



# Carson Water Subconservancy District Board of Directors & Carson River Watershed Committee

## NOTICE OF PUBLIC MEETING

*A healthy watershed  
that meets the water  
needs of all users*

**DATE:** March 16, 2022  
**TIME:** 6:30 pm  
**LOCATION:** Carson City Community Center, Bonanza Room  
851 E. William Street, Carson City, NV 89701

Virtual attendance will be available via [Zoom](#). To phone in call (669)900-9128 and use Meeting ID: 852 8327 2371 and Passcode: 474236

## 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 limited ability to speak, write, or understand English and/or to those with disabilities who wish to join the meeting. Please contact Catrina Schambra at (775)887-7450 or email: [catrina@cwdsd.org](mailto:catrina@cwdsd.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 Feb. 16, 2022

## **\*\*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 2022
8. For Possible Action: Approval of Payment of Bills for February 2022
9. For Possible Action: Approval of Agreement #2022-1 with Michael Baker for East Carson City ADMP not to exceed \$174,465
10. For Possible Action: Approval of Agreement #2022-2 with Kimley-Horn for Southeast Carson City ADMP not to exceed \$129,560

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*To promote cooperative actions with communities to protect the Carson River Watershed.*

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11. For Possible Action: Approval of Agreement #2022-3 with Lumos for Virginia City/Six Mile Canyon ADMP not to exceed \$223,210
12. For Possible Action: Approval of Agreement #2022-4 with JE Fuller for Buckeye Creek Flood Mitigation Design not to exceed \$175,080.60
13. For Possible Action: Approval of the 2022 Water and Sewer Rate Report

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

14. For Possible Action: Update on the Watershed Literacy Campaign and show a new draft Watershed Moment video
15. For Possible Action: Approval of the Tentative General Fund, Tentative Acquisition/Construction Fund, and Tentative Floodplain Management Fund for Fiscal Year 2022-23 Budgets
16. For Possible Action: Update on the USACE determination that the Carson River is a navigable water of the United States pursuant to the Rivers and Harbors Act and review the water diversions map
17. For Discussion Only: Update on the Carson River Coalition Watershed Forum March 29 – 30 at Governor's Mansion
18. For Discussion Only: Update on the 2022 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

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*Supporting material for this meeting may be requested from Catrina Schambra at 775-887-7450 ([catrina@cwdsd.org](mailto:catrina@cwdsd.org)) and is available on the CWSD website at <https://www.cwdsd.org>*

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**In accordance with NRS 241.020, this notice and agenda has been posted at the following locations:**

Dayton Utilities Complex  
34 Lakes Blvd  
Dayton, NV

Minden Inn Office Complex  
1594 Esmeralda Avenue  
Minden, NV

Lyon County Administrative Building  
27 S. Main St.  
Yerington, NV

Churchill County Administrative Complex  
155 N Taylor St.  
Fallon, NV

Carson City Hall  
201 N. Carson St.  
Carson City, NV

Carson Water Subconservancy District Office  
777 E. William St., #110A  
Carson City, NV

Alpine County Administrative Building -  
99 Water St.  
Markleeville, CA

CWSD website:  
<https://www.cwsd.org>  
State public meetings website:  
<http://notice.nv.gov>

**AFFIDAVIT OF POSTING**

The undersigned affirms that on or before 9:00 am on March 8, 2022, he/she posted a copy of the *Notice of Public Meeting and Agenda* for the March 16, 2022, regular meeting of the Carson Water Subconservancy District Board of Directors, in accordance with NRS 241.020; said agenda was posted at the following location:

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**SIGNATURE**

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Date & Time of Posting:** \_\_\_\_\_

**AGENDA ITEM #6**

**MINUTES OF LAST  
BOARD MEETING**



CARSON WATER SUBCONSERVANCY DISTRICT  
BOARD OF DIRECTORS AND  
CARSON RIVER WATERSHED COMMITTEE MEETING  
February 16, 2021

**Minutes**

Chairman Giomi called the meeting of the Carson Water Subconservancy District (CWSD) to order at 6:32pm in the Bonanza Room at the Carson City Community Center at 851 East William Street in Carson City. Roll call of the CWSD Board was taken and a quorum was determined to be present.

**CWSD Directors present:**

Stacey Giomi  
Ken Gray  
Jim Hindle  
Lisa Schuette  
Ernie Schank  
Fred Stodieck  
Mike Workman

**Directors Absent:** John Engels, Mark Gardner, David Nelson, and Pete Olsen.

Roll call of the Carson River Watershed Committee included CWSD Directors and Committee Members present - David Griffith and January Riddle (*via Zoom*).

**CWSD Staff & Guests present:**

Geoff Brownell, Kimley-Horn  
Kathy Canfield, Storey County Planner  
Shane Fryer, Watershed Program Specialist  
Brenda Hunt, Watershed Program Manager  
Edwin James, General Manager  
Patrick King, CWSD Attorney  
Kaylee Maples, AmeriCorps/CWSD Watershed Technician  
Catrina Schambra, Administrative Assistant/Secretary to the Board

*The Pledge of Allegiance was led by Brenda Hunt.*

**Item #4 – Discussion Only: Public Comment** – None

**Item #5 – For Possible Action: Approval of Agenda**

*Director Schank made a motion to approve the Board Meeting Agenda as presented. The motion was seconded by Committee Member Griffith and unanimously approved by the Board.*

**Item #6 – For Possible Action: Approval of the Board Meeting Minutes of Jan. 19, 2022**

*Director Gray made a motion to approve the Board Meeting Minutes of January 19, 2022, as presented with correction to typo. The motion was seconded by Committee Member Griffith and unanimously approved by the Board.*

**\*\*CONSENT AGENDA\*\***

**Item #7 - For Possible Action: Approval of Treasurer's Report for January 2022**

**Item #8 - For Possible Action: Approval of Payment of Bills for January 2022**

**Item #9 - For Possible Action: Modify the Andy Aldax criteria to establish who is eligible for the award**

**Item #10 - For Possible Action: Approval of Agreement #2021-30 with Jungle Designs for High-Water Mark Mural project not to exceed \$6,495**

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

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

**Item #12 - For Possible Action: Update on the Watershed Literacy Campaign**

Ms. Hunt reported on the successful outreach of the first two PSA videos in series (1) "Bag-It," released 1/9/2022 and (2) "Motor Oil" released 2/9/2022. Combined over 29,000 people have been reached via social media sites Instagram and Facebook. The next video will be "Use a Carwash" to be released March 9, 2022. The Board viewed a rough cut of this video.

Brenda Hunt and Kaylee Maples were also guests on the broadcast Nevada Newsmakers on February 4 and were interviewed on the video campaign and what CWSD hopes to achieve with the outreach project.

Ms. Hunt also announced the stickers that are being distributed throughout the watershed to be placed on public dog poop bag dispensers that thank dog owners for being responsible and has a QR Code taking them to the film. Carson City was given 200 dog poop stickers and there are 300 more available to be distributed in other locations, including BLM and USFS trailheads.

*No action was taken.*

**Item #13 – For Possible Action: Update on the USACE determination that the Carson River is a navigable water of the United States pursuant to the Rivers and Harbors Act**

Mr. James reported on the January 28 Permit meeting. There were about 30 people on the Zoom and great participation, but it's clear that CWSD will need to take the lead on this. CWSD is currently working on a map that shows all the diversion structures. If we can develop a General Permit for the Carson River then the farmers would not have to get their own permit to work on their diversions. The USACE would like information on all the diversions that include the age of the structures (if known), locations, and pictures. CWSD will use the General Permit from Utah as the template to help develop a General Permit for the Carson River. CWSD will continue to gather the information needed. The next meeting will be late March.

*No action was taken.*

**Item #11 - For Discussion Only: Presentation by Geoff Brownell from Kimley-Horn regarding the Smelter Creek Flood Study**

Geoff Brownell gave an overview of the Smelter Creek Letter of Map Revision in Douglas

County which covers the Ruhenstroth Area Drainage Master Plan. The report was submitted to FEMA in January.

*No action was taken.*

**Item #14 – For Possible Action: Review comments to the Proposed Interim Plan by the US Environmental Protection Agency (USEPA) for the Carson River Mercury Super Fund Site**

MS. Hunt reported there were approximately 50 attendees on the last meeting call and from that came this final draft she was submitting for Board approval on the comments letter to the USEPA.

Chairman Giomi gave her kudos for doing such a great job of putting CWSD concerns front and center and still deep diving into further issues throughout the letter. He states it's a very well written research document and should be sent to legislators and their Public Lands representative. Kathy Canfield agrees the letter is very good and especially the point of asking the EPA to identify the mercury hotspots. There was further discussion on mercury and the issues it causes in the river.

*Vice Chairman Gray made a motion to approve Chairman Giomi sign the letter with minor edits as discussed. The motion was seconded by Committee Member Griffith and unanimously approved by the Board.*

**Item #15 – For Discussion Only: Staff Reports –**

Mr. James reported the following:

- The runoff on the East Fork is above average flows and the West Fork is flowing at average. The concern is the flows have been increasing due to the warm temperature and not due the heavy snowpack. The snow levels are at the same levels as they were last year on this date.
- He met with Chairman Giomi and Vice Chairman Gray to discuss a possible Strategic Planning Session that would be held in-lieu of the April Board meeting. It will be after Day Light Savings and if we start early in the day (4pm?) we could have the Board Members back home before dark. This will be an in-person meeting and would not be available via Zoom. More details to follow.

Ms. Hunt reported the following:

- Planning the annual Forum for the end of March or early April, in-person since mask requirements have been lifted.
- CWSD staff and AWG staff went out to landowners on the West Fork and were given tours of what they have done on their property.

**Legal – None**

**Correspondence –**

- ***Engineer received Andy Aldax Award*** - Record Courier
- ***Bruce Scott to receive the 2022 Andy Aldax Carson River Watershed Award*** – Nevada Appeal
- ***Carson River watershed video offers the scoop on dog poop*** – Nevada Appeal

- ***“Bag it” asks pet owners to protect river, lakes*** – Reno Gazette Journal (front page)
- ***Watershed officials: It’s your duty to pick up your pet’s doody*** - Reno Gazette Journal

**Item #19 – For Discussion Only: Directors Reports –**

- Director Stodieck reported he has missed meeting because the call on zoom was dropped. He discussed open Douglas County seat that is hard to fill because it must be an Ag member.

**Item #20– For Discussion Only: Update on activities in Alpine County –**

- Alpine County will receive a grant of \$2,000,000 to help homeowners after Tamarack Fire from the Forest Service.

**Item #21– For Discussion Only: Update on activities in Storey County – None**

- Storey County got 3-6” of snow from the storm.

**Item #22 – For Discussion Only: Public Comment – None**

There being no further business to come before the Board, Chairman Giomi adjourned the meeting at 7:46 pm.

Respectfully submitted,

*Catrina Schambra*

Secretary to the Board

## **AGENDA ITEM #7**

### **TREASURER'S REPORT**

**Floodplain Management Fund**  
**Balance Sheet**  
As of February 28, 2022

	Feb 28, 22
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1013-03 · LGIP - Floodplain	348,264.96
Total Checking/Savings	348,264.96
Total Current Assets	348,264.96
<b>TOTAL ASSETS</b>	<b>348,264.96</b>
<b>LIABILITIES &amp; EQUITY</b>	
Equity	
32000 · Retained Earnings	366,869.29
Net Income	-18,604.33
Total Equity	348,264.96
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>348,264.96</b>

**Floodplain Management Fund**  
**Profit & Loss Budget vs. Actual**  
July 2021 through February 2022

	<u>Jul '21 - Feb 22</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
5032-03 · Int. Inc.-LGIP-Floodplain	304.67	1,164.19	-859.52	26.2%
5032-04 · Storey County Contribution	16,091.00	0.00	16,091.00	100.0%
<b>Total Income</b>	<u>16,395.67</u>	<u>1,164.19</u>	<u>15,231.48</u>	<u>1,408.3%</u>
<b>Expense</b>				
8009-01 · Reg. Flood Preliminary Planning	0.00	300,000.00	-300,000.00	0.0%
8009-06 · TCID Flood Project	35,000.00	0.00	35,000.00	100.0%
<b>Total Expense</b>	<u>35,000.00</u>	<u>300,000.00</u>	<u>-265,000.00</u>	<u>11.7%</u>
<b>Net Ordinary Income</b>	<u>-18,604.33</u>	<u>-298,835.81</u>	<u>280,231.48</u>	<u>6.2%</u>
<b>Other Income/Expense</b>				
<b>Other Income</b>				
8000-03 · Beginning Equity	0.00	332,627.00	-332,627.00	0.0%
<b>Total Other Income</b>	<u>0.00</u>	<u>332,627.00</u>	<u>-332,627.00</u>	<u>0.0%</u>
<b>Net Other Income</b>	<u>0.00</u>	<u>332,627.00</u>	<u>-332,627.00</u>	<u>0.0%</u>
<b>Net Income</b>	<u><u>-18,604.33</u></u>	<u><u>33,791.19</u></u>	<u><u>-52,395.52</u></u>	<u><u>-55.1%</u></u>

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03/05/22  
Cash Basis

**Floodplain Management Fund**  
**Profit & Loss YTD Comparison**  
**February 2022**

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	Feb 22	Jul '21 - Feb 22
Ordinary Income/Expense		
Income		
5032-03 · Int. Inc.-LGIP-Floodplain	39.62	304.67
5032-04 · Storey County Contribution	0.00	16,091.00
Total Income	39.62	16,395.67
Expense		
8009-06 · TCID Flood Project	0.00	35,000.00
Total Expense	0.00	35,000.00
Net Ordinary Income	39.62	-18,604.33
Net Income	<u>39.62</u>	<u>-18,604.33</u>



**Balance Sheet**

As of February 28, 2022

	Feb 28, 22
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1013-01 · Local Gov't Inv.Pool-Reserve	930,919.75
Total Checking/Savings	930,919.75
Total Current Assets	930,919.75
<b>TOTAL ASSETS</b>	<b>930,919.75</b>
<b>LIABILITIES &amp; EQUITY</b>	
Equity	
4000-01 · Fund Balance - Capital Project	930,103.16
Net Income	816.59
Total Equity	930,919.75
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>930,919.75</b>

1:26 PM

**CARSON WTR SUBCONSERVANCY DIST - ACQUISITION/CONSTRUCTION**

03/05/22

**Profit & Loss Budget vs. Actual**

Cash Basis

July 2021 through February 2022

	<u>Jul '21 - Feb 22</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense				
Income				
5032-01 · Interest Income - LGIP Res.	816.59	2,790.67	-1,974.08	29.3%
Total Income	816.59	2,790.67	-1,974.08	29.3%
Expense				
8015-04 · Construction Projects		800,000.00	-800,000.00	
8015-05 · Right-A-Way Lyon Cty Utility SS		25,000.00	-25,000.00	
8015-06 · USBR Regional WS Mgmt Plan		25,000.00	-25,000.00	
Total Expense		850,000.00	-850,000.00	
Net Ordinary Income	816.59	-847,209.33	848,025.92	-0.1%
Other Income/Expense				
Other Income				
8000-01 · Beginning Equity		797,333.00	-797,333.00	
8001-01 · Transfer In-General Fund		105,000.00	-105,000.00	
Total Other Income		902,333.00	-902,333.00	
Net Other Income		902,333.00	-902,333.00	
Net Income	<u>816.59</u>	<u>55,123.67</u>	<u>-54,307.08</u>	<u>1.5%</u>

1:26 PM

## CARSON WTR SUBCONSERVANCY DIST - ACQUISITION/CONSTRUCTION

03/05/22

## Profit &amp; Loss YTD Comparison

Cash Basis

February 2022

	Feb 22	Jul '21 - Feb 22
Ordinary Income/Expense		
Income		
5032-01 · Interest Income - LGIP Res.	105.90	816.59
Total Income	105.90	816.59
Net Ordinary Income	105.90	816.59
Net Income	105.90	816.59

**CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND**

**Balance Sheet**  
**As of February 28, 2022**

	Feb 28, 22
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
1013-00 · Cash in Checking - U. S. Bank	216,670.10
1014-00 · Local Gov't Inv. Pool-Regular	825,476.94
1030-00 · Petty Cash	184.63
<b>Total Checking/Savings</b>	1,042,331.67
<b>Other Current Assets</b>	
1055-00 · Payroll Deposit - Carson City	500.00
<b>Total Other Current Assets</b>	500.00
<b>Total Current Assets</b>	1,042,831.67
<b>TOTAL ASSETS</b>	<b>1,042,831.67</b>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Other Current Liabilities</b>	
3360-00 · Accrued Vacation	24,979.38
3362-00 · Accrued sick leave	65,334.98
<b>Total Other Current Liabilities</b>	90,314.36
<b>Total Current Liabilities</b>	90,314.36
<b>Total Liabilities</b>	90,314.36
<b>Equity</b>	
4000-00 · Fund Balance	574,466.42
Net Income	378,050.89
<b>Total Equity</b>	952,517.31
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>1,042,831.67</b>

10:40 AM

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/22

## Profit &amp; Loss Budget vs. Actual

Cash Basis

July 2021 through February 2022

	Jul '21 - Feb 22	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
5008-00 · Alpine Co. Joint Powers contrib	11,423.11	10,897.74	525.37	104.8%
5009-00 · Churchill County Ad Valorem	119,920.49	224,981.67	-105,061.18	53.3%
5010-00 · Lyon County Ad Valorem	131,623.11	200,242.41	-68,619.30	65.7%
5011-00 · Douglas County Ad Valorem	528,051.14	650,989.68	-122,938.54	81.1%
5012-00 · Carson City Ad Valorem	372,039.87	477,771.17	-105,731.30	77.9%
5022-00 · Water Lease - Mud Lake		55,500.00	-55,500.00	
5023-00 · Water Lease-Lost Lakes	642.00		642.00	100.0%
5031-00 · Interest Income-LGIP Reg.	653.64	2,025.41	-1,371.77	32.3%
5050-00 · Watershed Coordinator Grant				
5050-13 · NDEP-WS Coord IV 2019-2022	75,230.58	86,925.00	-11,694.42	86.5%
<b>Total 5050-00 · Watershed Coordinator Grant</b>	<b>75,230.58</b>	<b>86,925.00</b>	<b>-11,694.42</b>	<b>86.5%</b>
5060-00 · Misc. Income		6,000.00	-6,000.00	
5072-00 · Al.Co.Groundwtr Monitoring	1,605.06		1,605.06	100.0%
5082-00 · Alpine Co.-CASGEM Grant	1,601.82	400.00	1,201.82	400.5%
5083-00 · Al.Co.-Mesa GW Monitoring Grant		300.00	-300.00	
5101-00 · State Parks Aquatic Trail Grant		85,000.00	-85,000.00	
6005-00 · FEMA -MAS #10	95,463.78	85,486.00	9,977.78	111.7%
6006-00 · FEMA-MAS #11	254,227.94	417,395.00	-163,167.06	60.9%
6007-00 · FEMA-MAS #12	17,914.80		17,914.80	100.0%
<b>Total Income</b>	<b>1,610,397.34</b>	<b>2,303,914.08</b>	<b>-693,516.74</b>	<b>69.9%</b>
<b>Expense</b>				
66900 · Reconciliation Discrepancies	-0.01		-0.01	100.0%
7015-00 · Salaries & Wages	280,080.61	422,280.00	-142,199.39	66.3%
7020-00 · Employee Benefits	111,259.87	179,170.00	-67,910.13	62.1%
7021-00 · Workers Comp Ins.	453.34	2,300.00	-1,846.66	19.7%
7101-00 · Director's Fees				
7101-01 · Director Benefits	85.44		85.44	100.0%
7101-02 · Director's Fees-Alpine Co.	1,601.81	1,920.00	-318.19	83.4%
7101-00 · Director's Fees - Other	5,605.15	14,080.00	-8,474.85	39.8%
<b>Total 7101-00 · Director's Fees</b>	<b>7,292.40</b>	<b>16,000.00</b>	<b>-8,707.60</b>	<b>45.6%</b>
7102-00 · Insurance	5,106.03	5,100.00	6.03	100.1%
7103-00 · Office Supplies	2,272.47	2,000.00	272.47	113.6%
7104-00 · Postage	913.45	1,250.00	-336.55	73.1%
7105-00 · Rent	25,920.00	38,885.00	-12,965.00	66.7%
7106-00 · Telephone/Internet	4,317.06	6,400.00	-2,082.94	67.5%
7107-00 · Travel-transport/meals/lodging				
7107-02 Staff Indirect Mileage	18.64		18.64	100.0%
7107-01 · Car Allowance	4,000.00	6,500.00	-2,500.00	61.5%
7107-00 · Travel-transport/meals/lodging - Other	3,198.85	9,500.00	-6,301.15	33.7%
<b>Total 7107-00 · Travel-transport/meals/lodging</b>	<b>7,217.49</b>	<b>16,000.00</b>	<b>-8,782.51</b>	<b>45.1%</b>
7108-00 · Dues & Publications	519.00	1,400.00	-881.00	37.1%
7109-00 · Miscellaneous Expense		1,000.00	-1,000.00	
7110-00 · Seminars & Education	330.00	1,500.00	-1,170.00	22.0%
7111-00 · Office Equipment	2,472.31	3,000.00	-527.69	82.4%
7112-00 · Bank Charges	35.00	50.00	-15.00	70.0%
7114-00 · Outside Professional Services	10,535.02	30,000.00	-19,464.98	35.1%
7115-00 · Accounting	13,900.00	16,800.00	-2,900.00	82.7%
7116-00 · Legal	14,000.00	32,000.00	-18,000.00	43.8%
7117-00 · Lost Lakes Expenses	1,595.55	14,000.00	-12,404.45	11.4%
7118-00 · Mud Lake O & M		1,250.00	-1,250.00	
7120-00 · Integrated Watershed Programs				
7120-07 · Watershed Tour		6,000.00	-6,000.00	
7120-33 · Watershed Coord IV 2019-22				
7120-34 · WS Coord Grant MATCH 2019-21				
7120-35 · WS COORD MATCH - Travel	325.36		325.36	100.0%

10:40 AM

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/22

## Profit &amp; Loss Budget vs. Actual

Cash Basis

July 2021 through February 2022

	Jul '21 - Feb 22	Budget	\$ Over Budget	% of Budget
7120-36 · WS COORD MATCH - Operations	217.00		217.00	100.0%
7120-34 · WS Coord Grant MATCH 2019-21 - Other		16,608.00	-16,608.00	
Total 7120-34 · WS Coord Grant MATCH 2019-21	542.36	16,608.00	-16,065.64	3.3%
7120-38 · WS COORD-REIMBURSABLE				
7120-39 · WS COORD REIMB - Travel	349.27		349.27	100.0%
7120-40 · WS COORD REIMB- Operations	240.87		240.87	100.0%
7120-43 · WS COORD REIMB- NEON	18,200.00		18,200.00	100.0%
Total 7120-38 · WS COORD-REIMBURSABLE	18,790.14		18,790.14	100.0%
7120-33 · Watershed Coord IV 2019-22 - Other	375.86	28,800.00	-28,424.14	1.3%
Total 7120-33 · Watershed Coord IV 2019-22	19,708.36	45,408.00	-25,699.64	43.4%
Total 7120-00 · Integrated Watershed Programs	19,708.36	51,408.00	-31,699.64	38.3%
7127-00 · State Parks Aquatic Trail 21-22		80,000.00	-80,000.00	
7215-00 · Sierra NV Journeys-Family Night				
7215-02 · SNJ 2021-22		3,279.00	-3,279.00	
Total 7215-00 · Sierra NV Journeys-Family Night		3,279.00	-3,279.00	
7217-00 · Alluvial Fan Study (match)	1.12		1.12	100.0%
7218-00 · Douglas Cty LID Project (match)	266.70		266.70	100.0%
7332-00 · Carson River Work Days				
7332-07 · CR Work Days 2021-22	9,312.45	36,000.00	-26,687.55	25.9%
Total 7332-00 · Carson River Work Days	9,312.45	36,000.00	-26,687.55	25.9%
7337-00 · Carson River Restoration				
7337-01 · Carson Valley Conserv District				
7337-27 · CVCD - Bio & Debris Remove 21-22	24,276.99	75,000.00	-50,723.01	32.4%
7337-28 · CVCD - West Fork Bank 2021-22	100,000.00	100,000.00		100.0%
Total 7337-01 · Carson Valley Conserv District	124,276.99	175,000.00	-50,723.01	71.0%
7337-03 · Dayton Valley Conserv				
7337-37 · DVCD - Projects Inventory 21-22		100,000.00	-100,000.00	
Total 7337-03 · Dayton Valley Conserv		100,000.00	-100,000.00	
7337-04 · Lahontan Conserv.Dist				
7337-44 · LCD- Lower Carson Project 21-22		25,000.00	-25,000.00	
Total 7337-04 · Lahontan Conserv.Dist		25,000.00	-25,000.00	
Total 7337-00 · Carson River Restoration	124,276.99	300,000.00	-175,723.01	41.4%
7404-00 · Noxious Weeds Control-CR Wtrshd				
7404-01 · Noxious Weed Control-Alpine Co.		15,000.00	-15,000.00	
7404-02 · Noxious Weed Control-Douglas Co		15,000.00	-15,000.00	
7404-03 · Noxious Weed Control-CarsonCity		15,000.00	-15,000.00	
7404-04 · Noxious Weed Control-Lyon Co.		15,000.00	-15,000.00	
7404-05 · Noxious Weed Control-Churchill		15,000.00	-15,000.00	
Total 7404-00 · Noxious Weeds Control-CR Wtrshd		75,000.00	-75,000.00	
7439-00 · FEMA MAS #10				
7439-02 · West CC Study (Kimley-Horn)	169.57		169.57	100.0%
7439-05 · Ch Cty Flood Maps (HDR)	71,769.65		71,769.65	100.0%
7439-06 · FEMA Training & Conferences	350.00		350.00	100.0%
7439-07 · River Wranglers	4,459.93		4,459.93	100.0%
7439-00 · FEMA MAS #10 - Other	3,100.99	68,905.00	-65,804.01	4.5%
Total 7439-00 · FEMA MAS #10	79,850.14	68,905.00	10,945.14	115.9%
7440-00 · FEMA - MAS #11				
7440-21 · Ruhlenstroth ADMP -JE Fuller	57,942.80		57,942.80	100.0%
7440-31 · Smelter Creek LOMR -Kimley Horn	59,870.00		59,870.00	100.0%
7440-51 · Clear Creek LOMR -Cardno	44,863.75		44,863.75	100.0%

For internal &amp; discussion purposes only.

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## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/22

## Profit &amp; Loss Budget vs. Actual

Cash Basis

July 2021 through February 2022

	Jul '21 - Feb 22	Budget	\$ Over Budget	% of Budget
7440-61 · CV Flood Forecast Model -HDR	20,072.95		20,072.95	100.0%
7440-71 · Web Access System-Michael Baker	60,953.04		60,953.04	100.0%
7440-00 · FEMA - MAS #11 - Other	72.11	384,995.00	-384,922.89	0.0%
<b>Total 7440-00 · FEMA - MAS #11</b>	<b>243,774.65</b>	<b>384,995.00</b>	<b>-141,220.35</b>	<b>63.3%</b>
7441-00 · FEMA - MAS #12				
7441-05 · Ramsey Cyn Flood Study-HMC	4,275.00		4,275.00	100.0%
7441-06 · Carson Valley Flood Study-HDR	2,415.00		2,415.00	100.0%
7441-00 · FEMA - MAS #12 - Other	283.16		283.16	100.0%
<b>Total 7441-00 · FEMA - MAS #12</b>	<b>6,973.16</b>		<b>6,973.16</b>	<b>100.0%</b>
7500-00 · USGS Stream Gage Contract				
7500-04 · USGS Stream Flow Gauges 21-23	38,765.75	77,022.00	-38,256.25	50.3%
<b>Total 7500-00 · USGS Stream Gage Contract</b>	<b>38,765.75</b>	<b>77,022.00</b>	<b>-38,256.25</b>	<b>50.3%</b>
7508-00 · USGS Do.Co.WQ & GW Monitoring				
7508-04 · DoCo WQ/GW Mon. 2021-23	7,496.25	16,800.00	-9,303.75	44.6%
<b>Total 7508-00 · USGS Do.Co.WQ &amp; GW Monitoring</b>	<b>7,496.25</b>	<b>16,800.00</b>	<b>-9,303.75</b>	<b>44.6%</b>
7524-00 · USGS-GW Lvl & WQ in Ch.Co.				
7524-02 · USGS-GW Lvl & WQ-ChCo 2018-22	3,153.17	5,930.00	-2,776.83	53.2%
<b>Total 7524-00 · USGS-GW Lvl &amp; WQ in Ch.Co.</b>	<b>3,153.17</b>	<b>5,930.00</b>	<b>-2,776.83</b>	<b>53.2%</b>
7526-01 · USGS Middle Carson GW 2020-22	7,625.00	15,250.00	-7,625.00	50.0%
7529-00 · USGS Water Resources 2022-24	6,950.00		6,950.00	100.0%
7600-00 · Alpine County Projects				
7600-09 · Al.Co.-CASGEM	4.95	5.00	-0.05	99.0%
7600-10 · Al.Co.-Mesa GW Monitoring	41.17	2.00	39.17	2,058.5%
7600-13 · AWG Programs 2021-22	12,500.00	25,000.00	-12,500.00	50.0%
<b>Total 7600-00 · Alpine County Projects</b>	<b>12,546.12</b>	<b>25,007.00</b>	<b>-12,460.88</b>	<b>50.2%</b>
7610-00 · Douglas County Projects				
7610-10 · Do.Co.Reg.Pipeline Debt Service	125,000.00	125,000.00		100.0%
<b>Total 7610-00 · Douglas County Projects</b>	<b>125,000.00</b>	<b>125,000.00</b>		<b>100.0%</b>
7620-00 · Carson City Projects				
7620-11 · CC Reg.Pipeline Debt Service		125,000.00	-125,000.00	
<b>Total 7620-00 · Carson City Projects</b>		<b>125,000.00</b>	<b>-125,000.00</b>	
7630-00 · Lyon County Projects				
7630-12 · HWY 50 Right-of-Way Project Exp	172.00		172.00	100.0%
<b>Total 7630-00 · Lyon County Projects</b>	<b>172.00</b>		<b>172.00</b>	<b>100.0%</b>
7640-00 · Churchill County Projects				
7640-09 · Lahontan Vly.Wtr.Lvl. 2018-21	4,080.00		4,080.00	100.0%
7640-18 · Dixie Vlt Wtr Lvl Meas 2019-22	4,175.00	23,000.00	-18,825.00	18.2%
7640-20 · Lahontan Vly.Wtr.Lvl. 2021-24		14,500.00	-14,500.00	
7640-21 · TCID-Diversion Dam 2021-22	50,000.00	50,000.00		100.0%
<b>Total 7640-00 · Churchill County Projects</b>	<b>58,255.00</b>	<b>87,500.00</b>	<b>-29,245.00</b>	<b>66.6%</b>
<b>Total Expense</b>	<b>1,232,346.45</b>	<b>2,267,481.00</b>	<b>-1,035,134.55</b>	<b>54.3%</b>
<b>Net Ordinary Income</b>	<b>378,050.89</b>	<b>36,433.08</b>	<b>341,617.81</b>	<b>1,037.7%</b>
<b>Other Income/Expense</b>				
<b>Other Income</b>				
8005-00 · Beginning Equity		578,688.35	-578,688.35	
<b>Total Other Income</b>		<b>578,688.35</b>	<b>-578,688.35</b>	
<b>Other Expense</b>				
8002-00 · Transfer Out-Acq/Const Fund		105,000.00	-105,000.00	

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Cash Basis

**CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND**  
**Profit & Loss Budget vs. Actual**  
July 2021 through February 2022

	<u>Jul '21 - Feb 22</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
8008-00 - Preliminary Planning		400,000.00	-400,000.00	
Total Other Expense		505,000.00	-505,000.00	
Net Other Income		73,688.35	-73,688.35	
Net Income	<u>378,050.89</u>	<u>110,121.43</u>	<u>267,929.46</u>	<u>343.3%</u>



## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/22

## Profit &amp; Loss YTD Comparison

Cash Basis

February 2022

	Feb 22	Jul '21 - Feb 22
Ordinary Income/Expense		
Income		
5007-00 · Storey County Contribution		11,423.11
5008-00 · Alpine Co. Joint Powers contrib		119,920.49
5009-00 · Churchill County Ad Valorem		131,623.11
5010-00 · Lyon County Ad Valorem		528,051.14
5011-00 · Douglas County Ad Valorem	104,017.76	372,039.87
5012-00 · Carson City Ad Valorem	57,940.70	
5022-00 · Water Lease - Mud Lake		
5023-00 · Water Lease-Lost Lakes		642.00
5031-00 · Interest Income-LGIP Reg.	97.21	653.64
5050-00 · Watershed Coordinator Grant		
5050-13 · NDEP-WS Coord IV 2019-2022	33,861.36	75,230.58
Total 5050-00 · Watershed Coordinator Grant	33,861.36	75,230.58
5072-00 · Al.Co.Groundwtr Monitoring	1,605.06	1,605.06
5082-00 · Alpine Co.-CASGEM Grant	1,601.82	1,601.82
6004-00 · BOR WaterSMART Grant		
6005-00 · FEMA -MAS #10	7,448.81	95,463.78
6006-00 · FEMA-MAS #11	36,608.10	254,227.94
6007-00 · FEMA-MAS #12		17,914.80
Total Income	243,180.82	1,610,397.34
Expense		
66900 · Reconciliation Discrepancies		-0.01
7015-00 · Salaries & Wages	35,189.35	280,080.61
7020-00 · Employee Benefits	13,862.39	111,259.87
7021-00 · Workers Comp Ins.		453.34
7101-00 · Director's Fees		
7101-01 · Director Benefits	12.76	85.44
7101-02 · Director's Fees-Alpine Co.	480.00	1,601.81
7101-00 · Director's Fees - Other	880.00	5,605.15
Total 7101-00 · Director's Fees	1,372.76	7,292.40
7102-00 · Insurance		5,106.03
7103-00 · Office Supplies	383.92	2,272.47
7104-00 · Postage	143.20	913.45
7105-00 · Rent		25,920.00
7106-00 · Telephone/Internet	414.93	4,317.06
7107-00 · Travel-transport/meals/lodging		
7107-02 Staff Indirect Mileage		18.64
7107-01 · Car Allowance	500.00	4,000.00
7107-00 · Travel-transport/meals/lodging - Other	735.23	3,198.85
Total 7107-00 · Travel-transport/meals/lodging	1,235.23	7,217.49
7108-00 · Dues & Publications		519.00
7110-00 · Seminars & Education		330.00
7111-00 · Office Equipment		2,472.31
7112-00 · Bank Charges	10.00	35.00
7114-00 · Outside Professional Services	218.75	10,535.02
7115-00 · Accounting		13,900.00
7116-00 · Legal	2,000.00	14,000.00
7117-00 · Lost Lakes Expenses		1,595.55
7120-00 · Integrated Watershed Programs		
7120-33 · Watershed Coord IV 2019-22		
7120-34 · WS Coord Grant MATCH 2019-21		
7120-35 · WS COORD MATCH - Travel		325.36
7120-36 · WS COORD MATCH - Operations		217.00
Total 7120-34 · WS Coord Grant MATCH 2019-21		542.36
7120-38 · WS COORD-REIMBURSABLE		
7120-39 · WS COORD REIMB - Travel		349.27
7120-40 · WS COORD REIMB- Operations		240.87
7120-43 · WS COORD REIMB- NEON	3,100.00	18,200.00
Total 7120-38 · WS COORD-REIMBURSABLE	3,100.00	18,790.14
7120-33 · Watershed Coord IV 2019-22 - Other	30.17	375.86
Total 7120-33 · Watershed Coord IV 2019-22	3,130.17	19,708.36
Total 7120-00 · Integrated Watershed Programs	3,130.17	19,708.36

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/22

## Profit &amp; Loss YTD Comparison

Cash Basis

February 2022

	Feb 22	Jul '21 - Feb 22
7217-00 · Alluvial Fan Study (match)		1.12
7218-00 · Douglas Cty LID Project (match)		266.70
7332-00 · Carson River Work Days		
7332-06 · CR Work Days 2020-21		
7332-07 · CR Work Days 2021-22		9,312.45
Total 7332-00 · Carson River Work Days		9,312.45
7337-00 · Carson River Restoration		
7337-01 · Carson Valley Conserv District		
7337-26 · CVCD - Westwood Channel 2020-21		24,276.99
7337-27 · CVCD - Bio & Debris Remove 21-22		100,000.00
7337-28 · CVCD - West Fork Bank 2021-22		
Total 7337-01 · Carson Valley Conserv District		124,276.99
7337-03 · Dayton Valley Conserv		
7337-34 · DVCD Bank Stab/Dayton Br (EXT)		
7337-36 · DVCD - Fort Churchill 2020-21		
Total 7337-03 · Dayton Valley Conserv		
Total 7337-00 · Carson River Restoration		124,276.99
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		
7438-00 · BOR WaterSMART Market Program		
7438-01 · Water Mktg Study-LUMOS 2019-21		
7438-02 · BOR WaterSmart-LUMOS MATCH		
7438-01 · Water Mktg Study-LUMOS 2019-21 - Other		
Total 7438-01 · Water Mktg Study-LUMOS 2019-21		
Total 7438-00 · BOR WaterSMART Market Program		
7439-00 · FEMA MAS #10		
7439-02 · West CC Study (Kimley-Horn)		169.57
7439-05 · Ch Cty Flood Maps (HDR)	4,800.00	71,769.65
7439-06 · FEMA Training & Conferences		350.00
7439-07 · River Wranglers	1,234.13	4,459.93
7439-00 · FEMA MAS #10 - Other	3.63	3,100.99
Total 7439-00 · FEMA MAS #10	6,037.76	79,850.14
7440-00 · FEMA - MAS #11		
7440-21 · Ruhenstroth ADMP -JE Fuller		57,942.80
7440-31 · Smelter Creek LOMR -Kimley Horn	1,789.00	59,870.00
7440-51 · Clear Creek LOMR -Cardno	2,477.50	44,863.75
7440-61 · CV Flood Forecast Model -HDR	1,245.20	20,072.95
7440-71 · Web Access System-Michael Baker	10,935.58	60,953.04
7440-00 · FEMA - MAS #11 - Other	9.36	72.11
Total 7440-00 · FEMA - MAS #11	16,456.64	243,774.65
7441-00 · FEMA - MAS #12		
7441-05 · Ramsey Cyn Flood Study-HMC		4,275.00
7441-06 · Carson Valley Flood Study-HDR	1,543.80	2,415.00
7441-00 · FEMA - MAS #12 - Other	8.62	283.16
Total 7441-00 · FEMA - MAS #12	1,552.42	6,973.16
7500-00 · USGS Stream Gage Contract		
7500-03 · USGS Stream Flow Gauges 2019-21		
7500-04 · USGS Stream Flow Gauges 21-23		38,765.75
Total 7500-00 · USGS Stream Gage Contract		38,765.75
7508-00 · USGS Do.Co.WQ & GW Monitoring		
7508-03 · DoCo WQ/GW Mon. 2019-21		
7508-04 · DoCo WQ/GW Mon. 2021-23		7,496.25
Total 7508-00 · USGS Do.Co.WQ & GW Monitoring		7,496.25
7524-00 · USGS-GW Lvl & WQ in Ch.Co.		

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Cash Basis

**CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND**  
**Profit & Loss YTD Comparison**  
**February 2022**

	Feb 22	Jul '21 - Feb 22
7524-02 · USGS-GW Lvl & WQ-ChCo 2018-22		3,153.17
Total 7524-00 · USGS-GW Lvl & WQ in Ch.Co.		3,153.17
7526-01 · USGS Middle Carson GW 2020-22		7,625.00
7529-00 · USGS Water Resources 2022-24		6,950.00
7600-00 · Alpine County Projects		
7600-09 · AI.Co.-CASGEM		4.95
7600-10 · AI.Co.-Mesa GW Monitoring		41.17
7600-13 · AWG Programs 2021-22		12,500.00
Total 7600-00 · Alpine County Projects		12,546.12
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
7630-00 · Lyon County Projects		
7630-12 · HWY 50 Right-of-Way Project Exp		172.00
Total 7630-00 · Lyon County Projects		172.00
7640-00 · Churchill County Projects		
7640-09 · Lahontan Vly.Wtr.Lvl. 2018-21		4,080.00
7640-18 · Dixie Vlt Wtr Lvl Meas 2019-22		4,175.00
7640-21 · TCID-Diversion Dam 2021-22	50,000.00	50,000.00
Total 7640-00 · Churchill County Projects	50,000.00	58,255.00
Total Expense	194,507.52	1,232,346.45
Net Ordinary Income	48,673.30	378,050.89
Other Income/Expense		
Other Income		
8009-00 · Trans. In-Floodplain Mgmt. Fd.		
Total Other Income		
Net Other Income		
Net Income	<b>48,673.30</b>	<b>378,050.89</b>

## **AGENDA ITEM #8**

### **PAYMENT OF BILLS**

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## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/22

## Transaction Detail by Account

Cash Basis

February 2022

Type	Date	Num	Name	Memo	Paid Amount	Balance
<b>1013-00 · Cash in Checking - U. S. Bank</b>						
Deposit	02/12/2022			Deposit	33,861.36	33,861.36
Check	02/12/2022	10487	VOID	VOID		33,861.36
Check	02/12/2022	10488	Carson City	CWSD Payroll #3	-24,385.82	9,475.54
Check	02/12/2022	10489	River Wranglers	FAW Inv #3	-1,234.13	8,241.41
Check	02/12/2022	10490	King & Russo, Ltd.	Professional Services Janaury 2022	-2,000.00	6,241.41
Check	02/12/2022	10491	Pacific Office Automation	Acct#710047	-154.24	6,087.17
Check	02/12/2022	10492	David Griffith	AlCty Dir Fee-JAN 2022	-80.00	6,007.17
Check	02/12/2022	10493	January Riddle	AlCty Dir Fee-JAN 2022	-160.00	5,847.17
Check	02/12/2022	10494	Cardno, Inc.	INV#326975	-2,447.50	3,399.67
Check	02/12/2022	10495	Michael Baker International, Inc.	Inv#1139126	-10,935.58	-7,535.91
Check	02/12/2022	10496	Kimley-Horn & Associates, Inc.	291417001-0122	-1,789.00	-9,324.91
Check	02/12/2022	10497	Edwin James	NWRA Conference Reimbursement	-627.84	-9,952.75
Check	02/12/2022	10498	Douglas County Treasurer	INV# 2022-2-CWSD Semi-Annual Douglas County ...	-62,500.00	-72,452.75
Check	02/14/2022	ACH	BANK FEE (disputed)		-10.00	-72,462.75
Deposit	02/15/2022			Deposit	104,017.76	31,555.01
Check	02/20/2022	10499	HDR Engineering, Inc.		-7,589.00	23,966.01
Check	02/20/2022	10500	NEON Agency	Inv#1436	-3,100.00	20,866.01
Check	02/20/2022	10501	Office Depot Business Credit	Acct #6011 5685 11775 7761	-132.10	20,733.91
Check	02/20/2022	10502	Carson City	CWSD Payroll #4	-26,058.68	-5,324.77
Check	02/22/2022	10503	Cardno, Inc.	INV#326975 under paid amount of invoice by \$30.	-30.00	-5,354.77
Deposit	02/24/2022			Deposit	61,147.58	55,792.81
Deposit	02/24/2022			Deposit	44,056.91	99,849.72
Check	02/26/2022	10504	Truckee-Carson Irrigation District	Inv#125069 Diversion Dam	-50,000.00	49,849.72
Check	02/26/2022	ACH	Charter Communications	Acct#8354110010917880	-319.94	49,529.78
Check	02/26/2022	10505	David Griffith	AlCty Dir Fee-FEB 2022	-160.00	49,369.78
Check	02/26/2022	10506	January Riddle	AlCty Dir Fee-FEB 2022	-80.00	49,289.78
Check	02/26/2022	10507	Bank of America	Acct. #4024 4910 0003 3949	-606.30	48,683.48
Check	02/27/2022	10509	Edwin James	Meals Reimbursement	-107.39	48,576.09
Total 1013-00 · Cash in Checking - U. S. Bank					48,576.09	48,576.09
<b>1014-00 · Local Gov't Inv. Pool-Regular</b>						
Deposit	02/01/2022			Interest	97.21	97.21
Total 1014-00 · Local Gov't Inv. Pool-Regular					97.21	97.21
<b>3307-00 · CC Payroll Due</b>						
General Jo...	02/12/2022			Payroll #3 (1/14/2022-1/27/2022)	-24,385.82	-24,385.82
Check	02/12/2022	10488	Carson City	Payroll #3 (1/14/2022-1/27/2022)	24,385.82	
Check	02/20/2022	10502	Carson City	Payroll #4 (1/28/22-2/10/2022)	26,058.68	26,058.68
General Jo...	02/20/2022			Payroll #4 (1/28/2022-2/10/2022)	-26,058.68	
Total 3307-00 · CC Payroll Due						
<b>5011-00 · Douglas County Ad Valorem</b>						
Deposit	02/15/2022	725964	Douglas County	January Ad Valorem Taxes	-104,017.76	-104,017.76
Total 5011-00 · Douglas County Ad Valorem					-104,017.76	-104,017.76
<b>5012-00 · Carson City Ad Valorem</b>						
Deposit	02/24/2022	90309...	Carson City	January Ad Valorem Taxes	-57,940.70	-57,940.70
Total 5012-00 · Carson City Ad Valorem					-57,940.70	-57,940.70
<b>5031-00 · Interest Income-LGIP Reg.</b>						
Deposit	02/01/2022			Interest	-97.21	-97.21
Total 5031-00 · Interest Income-LGIP Reg.					-97.21	-97.21
<b>5050-00 · Watershed Coordinator Grant</b>						
<b>5050-13 · NDEP-WS Coord IV 2019-2022</b>						
Deposit	02/12/2022	99651...	Nevada State Controller	Inv# 8 10/1/2021-12/31/2021	-33,861.36	-33,861.36
Total 5050-13 · NDEP-WS Coord IV 2019-2022					-33,861.36	-33,861.36
Total 5050-00 · Watershed Coordinator Grant					-33,861.36	-33,861.36
<b>5072-00 · Al.Co.Groundwtr Monitoring</b>						
Deposit	02/24/2022	270763	Alpine County	INV#3 1/5/2022	-1,605.06	-1,605.06
Total 5072-00 · Al.Co.Groundwtr Monitoring					-1,605.06	-1,605.06
<b>5082-00 · Alpine Co.-CASGEM Grant</b>						
Deposit	02/24/2022	270763	Alpine County	INV#1 12/31/2021	-1,601.82	-1,601.82
Total 5082-00 · Alpine Co.-CASGEM Grant					-1,601.82	-1,601.82
<b>6005-00 · FEMA -MAS #10</b>						
Deposit	02/24/2022		FEMA	Draw 25	-7,448.81	-7,448.81



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CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND  
Transaction Detail by Account  
February 2022

Type	Date	Num	Name	Memo	Paid Amount	Balance
Total 6005-00 · FEMA -MAS #10					-7,448.81	-7,448.81
<b>6006-00 · FEMA-MAS #11</b>						
Deposit	02/24/2022		FEMA	Draw 13	-36,608.10	-36,608.10
Total 6006-00 · FEMA-MAS #11					-36,608.10	-36,608.10
<b>7015-00 · Salaries &amp; Wages</b>						
General Jo...	02/12/2022			Salary Payroll #3 Farnham	903.27	903.27
General Jo...	02/12/2022			Salary Payroll #3 Fryer	2,696.27	3,599.54
General Jo...	02/12/2022			Salary Payroll #3 Hunt	3,609.91	7,209.45
General Jo...	02/12/2022			Salary Payroll #3 James	6,029.60	13,239.05
General Jo...	02/12/2022			Salary Payroll #3 Neddenriep	2,481.46	15,720.51
General Jo...	02/12/2022			Salary Payroll #3 Schambra	1,516.95	17,237.46
General Jo...	02/20/2022			Salary Payroll #4 Farnham	866.65	18,104.11
General Jo...	02/20/2022			Salary Payroll #4 Fryer	2,367.84	20,471.95
General Jo...	02/20/2022			Salary Payroll #4 Hunt	3,609.91	24,081.86
General Jo...	02/20/2022			Salary Payroll #4 James	6,029.60	30,111.46
General Jo...	02/20/2022			Salary Payroll #4 Neddenriep	2,381.10	32,492.56
General Jo...	02/20/2022			Salary Payroll #4 Schambra	2,696.79	35,189.35
Total 7015-00 · Salaries & Wages					35,189.35	35,189.35
<b>7020-00 · Employee Benefits</b>						
General Jo...	02/12/2022			Benies Payroll #3 Farnham	13.10	13.10
General Jo...	02/12/2022			Benies Payroll #3 Fryer	799.04	812.14
General Jo...	02/12/2022			Benies Payroll #3 Hunt	1,673.45	2,485.59
General Jo...	02/12/2022			Benies Payroll #3 James	2,451.86	4,937.45
General Jo...	02/12/2022			Benies Payroll #3 Neddenriep	1,154.56	6,092.01
General Jo...	02/12/2022			Benies Payroll #3 Schambra	806.35	6,898.36
General Jo...	02/20/2022			Benies Payroll #4 Farnham	12.57	6,910.93
General Jo...	02/20/2022			Benies Payroll #4 Fryer	696.57	7,607.50
General Jo...	02/20/2022			Benies Payroll #4 Hunt	1,673.45	9,280.95
General Jo...	02/20/2022			Benies Payroll #4 James	2,451.86	11,732.81
General Jo...	02/20/2022			Benies Payroll #4 Neddenriep	1,123.26	12,856.07
General Jo...	02/20/2022			Benies Payroll #4 Schambra	1,006.32	13,862.39
Total 7020-00 · Employee Benefits					13,862.39	13,862.39
<b>7101-00 · Director's Fees</b>						
<b>7101-01 · Director Benefits</b>						
General Jo...	02/12/2022			Director Benies Payroll #3 Gardner		
General Jo...	02/12/2022			Director Benies Payroll #3 Giomi		
General Jo...	02/12/2022			Director Benies Payroll #3 Gray		
General Jo...	02/12/2022			Director Benies Payroll #3 Hindle		
General Jo...	02/12/2022			Director Benies Payroll #3 Nelson		
General Jo...	02/12/2022			Director Benies Payroll #3 Olsen		
General Jo...	02/12/2022			Director Benies Payroll #3 Schank		
General Jo...	02/12/2022			Director Benies Payroll #3 Schuette		
General Jo...	02/12/2022			Director Benies Payroll #3 Stodieck		
General Jo...	02/12/2022			Director Benies Payroll #3 Workman		
General Jo...	02/20/2022			Director Benies Payroll #4 Gardner	1.16	1.16
General Jo...	02/20/2022			Director Benies Payroll #4 Giomi	1.16	2.32
General Jo...	02/20/2022			Director Benies Payroll #4 Gray	1.16	3.48
General Jo...	02/20/2022			Director Benies Payroll #4 Hindle	1.16	4.64
General Jo...	02/20/2022			Director Benies Payroll #4 Nelson	1.16	5.80
General Jo...	02/20/2022			Director Benies Payroll #4 Olsen	2.32	8.12
General Jo...	02/20/2022			Director Benies Payroll #4 Schank		8.12
General Jo...	02/20/2022			Director Benies Payroll #4 Schuette	2.32	10.44
General Jo...	02/20/2022			Director Benies Payroll #4 Stodieck		10.44
General Jo...	02/20/2022			Director Benies Payroll #4 Workman	2.32	12.76
Total 7101-01 · Director Benefits					12.76	12.76
<b>7101-02 · Director's Fees-Alpine Co.</b>						
Check	02/12/2022	10492	David Griffith	AlCty Dir Fee-JAN 2022	80.00	80.00
Check	02/12/2022	10493	January Riddle	AlCty Dir Fee-JAN 2022	160.00	240.00
Check	02/26/2022	10505	David Griffith	AlCty Dir Fee-FEB 2022	160.00	400.00
Check	02/26/2022	10506	January Riddle	AlCty Dir Fee-FEB 2022	80.00	480.00
Total 7101-02 · Director's Fees-Alpine Co.					480.00	480.00
<b>7101-00 · Director's Fees - Other</b>						
General Jo...	02/12/2022			Director Fee Payroll #3 Gardner		
General Jo...	02/12/2022			Director Fee Payroll #3 Giomi		
General Jo...	02/12/2022			Director Fee Payroll #3 Gray		
General Jo...	02/12/2022			Director Fee Payroll #3 Hindle		
General Jo...	02/12/2022			Director Fee Payroll #3 Nelson		
General Jo...	02/12/2022			Director Fee Payroll #3 Olsen		
General Jo...	02/12/2022			Director Fee Payroll #3 Schank		
General Jo...	02/12/2022			Director Fee Payroll #3 Schuette		

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CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND  
Transaction Detail by Account  
February 2022

Type	Date	Num	Name	Memo	Paid Amount	Balance
General Jo...	02/12/2022			Director Fee Payroll #3 Stodieck		
General Jo...	02/12/2022			Director Fee Payroll #3 Workman		
General Jo...	02/20/2022			Director Fee Payroll #4 Gardner	80.00	80.00
General Jo...	02/20/2022			Director Fee Payroll #4 Giomi	80.00	160.00
General Jo...	02/20/2022			Director Fee Payroll #4 Gray	80.00	240.00
General Jo...	02/20/2022			Director Fee Payroll #4 Hindle	80.00	320.00
General Jo...	02/20/2022			Director Fee Payroll #4 Nelson	80.00	400.00
General Jo...	02/20/2022			Director Fee Payroll #4 Olsen	160.00	560.00
General Jo...	02/20/2022			Director Fee Payroll #4 Schank		560.00
General Jo...	02/20/2022			Director Fee Payroll #4 Schuette	160.00	720.00
General Jo...	02/20/2022			Director Fee Payroll #4 Stodieck		720.00
General Jo...	02/20/2022			Director Fee Payroll #4 Workman	160.00	880.00
Total 7101-00 · Director's Fees - Other					880.00	880.00
Total 7101-00 · Director's Fees					1,372.76	1,372.76
<b>7103-00 · Office Supplies</b>						
Check	02/12/2022	10491	Pacific Office Automation	Jan Color Copies	126.24	126.24
Check	02/12/2022	10491	Pacific Office Automation	Jan B&W Copies	28.00	154.24
Check	02/20/2022	10501	Office Depot Business Credit	masks, binding combs; webcams (2)	132.10	286.34
Check	02/26/2022	10507	Bank of America	N95 Masks	40.63	326.97
Check	02/26/2022	10507	Bank of America	Bank Checks	136.63	463.60
Check	02/26/2022	10507	Bank of America	Cancelled N95 Mask order	-27.90	435.70
General Jo...	02/28/2022			February Copies	-51.78	383.92
Total 7103-00 · Office Supplies					383.92	383.92
<b>7104-00 · Postage</b>						
Check	02/26/2022	10507	Bank of America	Postage	89.50	89.50
Check	02/26/2022	10507	Bank of America	Postage	53.70	143.20
Total 7104-00 · Postage					143.20	143.20
<b>7106-00 · Telephone/Internet</b>						
Check	02/26/2022	ACH	Charter Communications	FEB Phone/Internet Svcs.	319.94	319.94
Check	02/26/2022	10507	Bank of America	JAN ZOOM.US	14.99	334.93
Check	02/26/2022	10507	Bank of America	JAN -Microsoft 365	5.00	339.93
Check	02/26/2022	10507	Bank of America	JAN - Microsoft Internet	75.00	414.93
Total 7106-00 · Telephone/Internet					414.93	414.93
<b>7107-00 · Travel-transport/meals/lodging</b>						
<b>7107-01 · Car Allowance</b>						
General Jo...	02/12/2022			Car AllowancePayroll #3 James	250.00	250.00
General Jo...	02/20/2022			Car AllowancePayroll #4 James	250.00	500.00
Total 7107-01 · Car Allowance					500.00	500.00
<b>7107-00 · Travel-transport/meals/lodging - Other</b>						
Check	02/12/2022	10497	Edwin James	NWRA Conference Expenses 1/30/2022-2/4/2022	627.84	627.84
Check	02/27/2022	10509	Edwin James	Dinner meeting and Finance Comm meal reimburse...	107.39	735.23
Total 7107-00 · Travel-transport/meals/lodging - Other					735.23	735.23
Total 7107-00 · Travel-transport/meals/lodging					1,235.23	1,235.23
<b>7112-00 · Bank Charges</b>						
Check	02/14/2022	ACH	BANK FEE (disputed)	Bank charge for covered expense (to be reimbursee...	10.00	10.00
Total 7112-00 · Bank Charges					10.00	10.00
<b>7114-00 · Outside Professional Services</b>						
Check	02/26/2022	10507	Bank of America	IT Support	218.75	218.75
Total 7114-00 · Outside Professional Services					218.75	218.75
<b>7116-00 · Legal</b>						
Check	02/12/2022	10490	King & Russo, Ltd.	Professional Services JAN 2022	2,000.00	2,000.00
Total 7116-00 · Legal					2,000.00	2,000.00
<b>7120-00 · Integrated Watershed Programs</b>						
<b>7120-33 · Watershed Coord IV 2019-22</b>						
<b>7120-38 · WS COORD-REIMBURSABLE</b>						
<b>7120-43 · WS COORD REIMB- NEON</b>						
Check	02/20/2022	10500	NEON Agency	JAN- Wateshed Moments Series of I AM CARSON ...	3,100.00	3,100.00
Total 7120-43 · WS COORD REIMB- NEON					3,100.00	3,100.00
Total 7120-38 · WS COORD-REIMBURSABLE					3,100.00	3,100.00
<b>7120-33 · Watershed Coord IV 2019-22 - Other</b>						

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**CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND**  
**Transaction Detail by Account**  
**February 2022**

Type	Date	Num	Name	Memo	Paid Amount	Balance
General Jo...	02/28/2022			February Copies	30.17	30.17
			Total 7120-33 · Watershed Coord IV 2019-22 - Other		30.17	30.17
			Total 7120-33 · Watershed Coord IV 2019-22		3,130.17	3,130.17
			Total 7120-00 · Integrated Watershed Programs		3,130.17	3,130.17
<b>7439-00 · FEMA MAS #10</b>						
<b>7439-05 · Ch Cty Flood Maps (HDR)</b>						
Check	02/20/2022	10499	HDR Engineering, Inc.	Ch Cty PMR 12/26/21-1/29/22	4,800.00	4,800.00
			Total 7439-05 · Ch Cty Flood Maps (HDR)		4,800.00	4,800.00
<b>7439-07 · River Wranglers</b>						
Check	02/22/2022	10489	River Wranglers	FAW Inv #3 (10/1/2021-12/31/2021)	1,234.13	1,234.13
			Total 7439-07 · River Wranglers		1,234.13	1,234.13
<b>7439-00 · FEMA MAS #10 - Other</b>						
General Jo...	02/28/2022			February Copies	3.63	3.63
			Total 7439-00 · FEMA MAS #10 - Other		3.63	3.63
			Total 7439-00 · FEMA MAS #10		6,037.76	6,037.76
<b>7440-00 · FEMA - MAS #11</b>						
<b>7440-31 · Smelter Creek LOMR -Kimley Horn</b>						
Check	02/12/2022	10496	Kimley-Horn & Associates, Inc.	Smelter Creek -Svcs thru January 30,2022	1,789.00	1,789.00
			Total 7440-31 · Smelter Creek LOMR -Kimley Horn		1,789.00	1,789.00
<b>7440-51 · Clear Creek LOMR -Cardno</b>						
Check	02/12/2022	10494	Cardno, Inc.	Inv#326975 thru 1/28/2022	2,447.50	2,447.50
Check	02/22/2022	10503	Cardno, Inc.	Inv#326975 thru 1/28/2022 under paid invoice by \$...	30.00	2,477.50
			Total 7440-51 · Clear Creek LOMR -Cardno		2,477.50	2,477.50
<b>7440-61 · CV Flood Forecast Model -HDR</b>						
Check	02/20/2022	10499	HDR Engineering, Inc.	CV Flood Forecast Model 12/26/21-1/29/22	1,245.20	1,245.20
			Total 7440-61 · CV Flood Forecast Model -HDR		1,245.20	1,245.20
<b>7440-71 · Web Access System-Michael Baker</b>						
Check	02/12/2022	10495	Michael Baker International, Inc.	Services thru 1/30/2022	10,935.58	10,935.58
			Total 7440-71 · Web Access System-Michael Baker		10,935.58	10,935.58
<b>7440-00 · FEMA - MAS #11 - Other</b>						
General Jo...	02/28/2022			February Copies	9.36	9.36
			Total 7440-00 · FEMA - MAS #11 - Other		9.36	9.36
			Total 7440-00 · FEMA - MAS #11		16,456.64	16,456.64
<b>7441-00 · FEMA - MAS #12</b>						
<b>7441-06 · Carson Valley Flood Study-HDR</b>						
Check	02/20/2022	10499	HDR Engineering, Inc.	CV Flood Study 12/26/21-1/29/22	1,543.80	1,543.80
			Total 7441-06 · Carson Valley Flood Study-HDR		1,543.80	1,543.80
<b>7441-00 · FEMA - MAS #12 - Other</b>						
General Jo...	02/28/2022			February Copies	8.62	8.62
			Total 7441-00 · FEMA - MAS #12 - Other		8.62	8.62
			Total 7441-00 · FEMA - MAS #12		1,552.42	1,552.42
<b>7610-00 · Douglas County Projects</b>						
<b>7610-10 · Do.Co.Reg.Pipeline Debt Service</b>						
Check	02/12/2022	10498	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
<b>7640-00 · Churchill County Projects</b>						
<b>7640-21 · TCID-Diversion Dam 2021-22</b>						
Check	02/26/2022	10504	Truckee-Carson Irrigation District	Carson River Diversion Dam Repairs (7/1/2021-12/2...	50,000.00	50,000.00
			Total 7640-21 · TCID-Diversion Dam 2021-22		50,000.00	50,000.00
			Total 7640-00 · Churchill County Projects		50,000.00	50,000.00



## **AGENDA ITEM #9**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #9 – For Possible Action: Approval of Agreement #2022-1 with Michael Baker for East Carson City ADMP not to exceed \$174,465

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**DISCUSSION:** Attached is an agreement with Michael Baker to conduct the East Carson City ADMP. CWSD and Carson City staffs reviewed the various proposals received and determined that Michael Baker was the most qualified firm to conduct the study. This project is fully funded through a FEMA grant.

**STAFF RECOMMENDATION:** Approve Agreement #2022-1 with Michael Baker for East Carson City ADMP not to exceed \$174,465.

**DRAFT**

# Agreement

Carson Water Subconservancy District (hereinafter "CWSD") and Michael Baker International (hereinafter "MB") hereby enter into an agreement whereby MB will complete the East Carson City Area Drainage Master Plan project in accordance with and subject to the following terms and conditions:

1) **ASSIGNMENT**

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

Complete that East Caron City Area Drainage Master Plan which is further identified and described in Exhibit "A," the compensation paid to MB for the CWSD Video shall not exceed **\$174,465**.

2) **INDEMNITIES**

(a) To the fullest extent permitted by law MB 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 MB, its officers, employees, and agents.

(b) CWSD will indemnify and hold MB harmless with respect to any claims or actions instituted by third parties which result from the use by MB of material furnished by CWSD or where material created by MB is substantially changed by CWSD. Information or data obtained by MB 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 MB, MB shall assist in the preparation of the defense of such action or proceeding and cooperate with CWSD and CWSD's attorneys. CWSD will reimburse MB any out-of-pocket costs MB 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 MB 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) MB 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 **1/18/2023**, unless extended by written agreement of the parties.

b) MB 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 MB 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 MB.

5) **PERFORMANCE**

Should MB fail to perform any of the services provided for in Exhibit "A," CWSD shall notify MB of such non-performance and allow thirty (30) days for MB 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: MB Business Plan

7) **INDEPENDENT CONTRACTOR**

MB 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 MB (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 MB upon completion, termination, or cancellation of this Agreement. MB shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of MB'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 MB 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 MB 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 MB 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 MB'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:

- (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) MB shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by the CWSD;



- (3) MB shall execute any documents and take any actions necessary to effectuate an assignment of this Agreement if so requested by the CWSD; and
- (4) MB 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, MB 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 MB 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 MB 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. MB may label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 333.333, provided that MB 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.: Mujahid Chandoo, PE.**  
**Michael Baker International**  
**5470 Kietzke Lane, Suite 208**  
**Reno, NV 89511**

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.

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:  
**Michael Baker International**

\_\_\_\_\_  
*Signature* *Date*  
Edwin D. James  
General Manager

\_\_\_\_\_  
*Signature* *Date*  
Mujahid Chandoo  
Project Manager

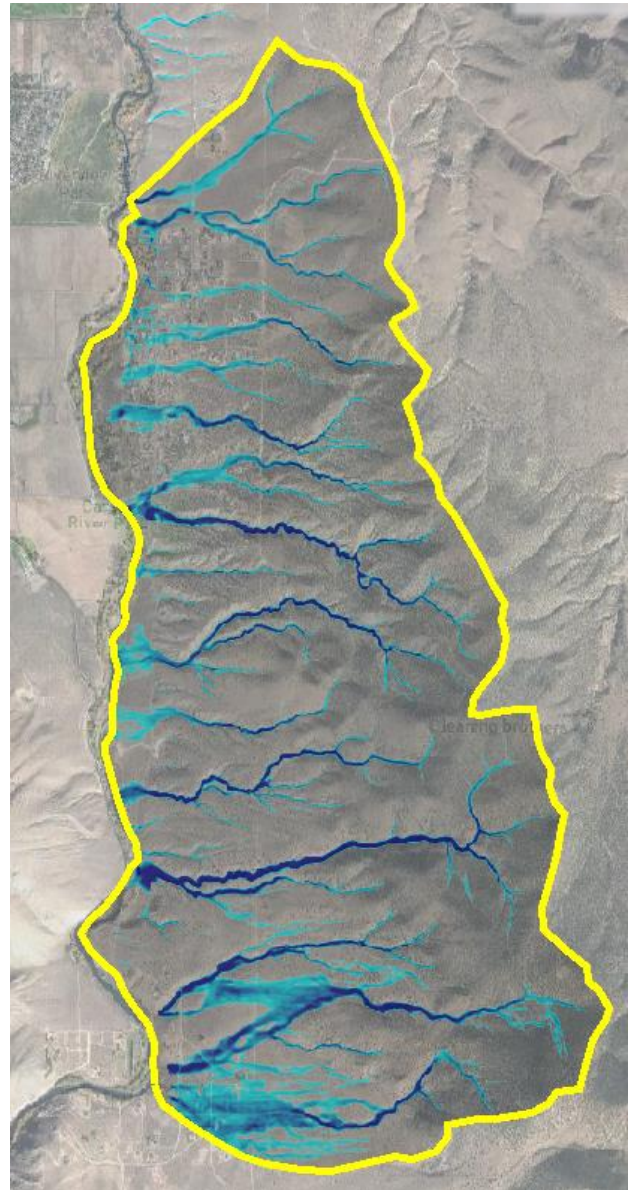
# East Carson City Area Drainage Master Plan (ADMP) Business Plan

## Project Purpose and Need

The primary purpose of the East Carson City ADMP is to identify and quantify the flood hazard risk within the Pinion Hills Area. The watershed is approximately 7.5 square miles and is within the eastern portion of Carson City. The watershed study will include hydrology and hydraulic analysis to identify existing deficiencies and propose infrastructure to reduce the number of properties and structures located in the flood areas and which may be subject to shallow flooding. The effective FEMA floodplain is confined along the Carson River which includes Zone A and Zone AE. The project objective and goals will include:

- I. Data Collection including topographic survey and existing drainage information
- II. Identify and quantify flood risk within the study area
- III. Establish guidance for future development and establish a flood hazard mitigation strategy that protects public safety and considers the unique natural and physical characteristics of the watershed.
- IV. Public Outreach

Michael Baker's team consists of experts who have the modeling expertise using various software packages. Our team has the experience to seamlessly find solutions to solve the upstream and downstream drainage issues in a comprehensive manner. Our experience with different modeling and software packages allows us to be able to choose the 'right tool for the job', whether it is HEC-RAS 2D or FLO-2D. We know that the different model platforms are not one-size fits-all in their application. The team has used the FEMA MIP application on multiple projects and have a good understanding of the best practices to seamlessly upload data. The team consists of local and regional staff dedicated to facilitating successful communication with the public and stakeholders.



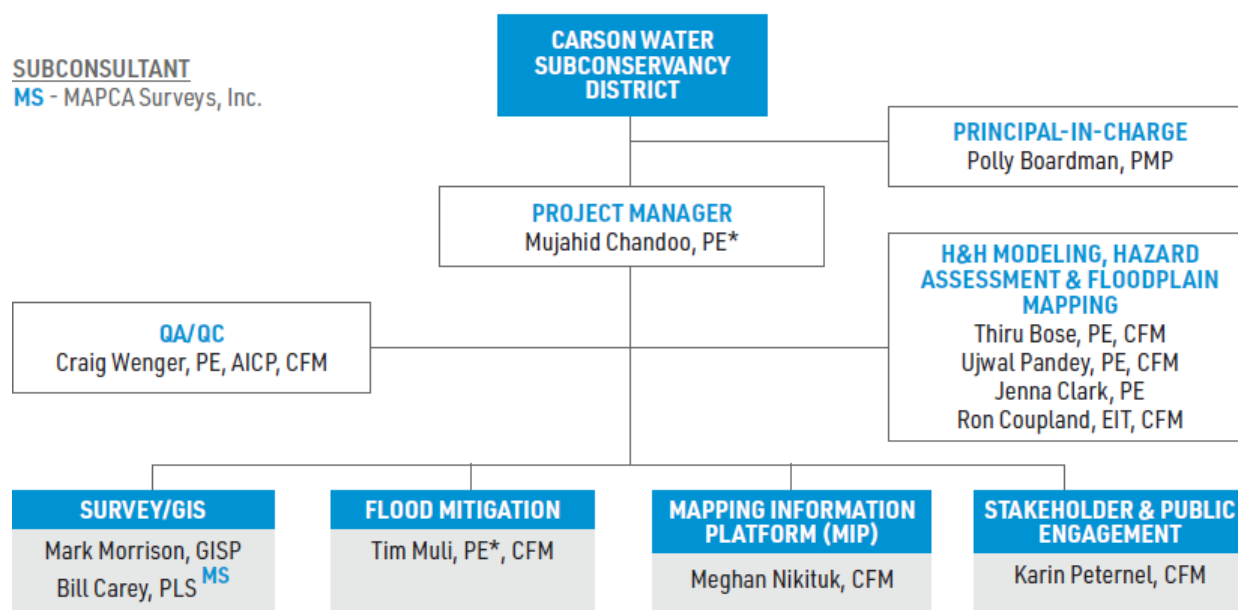


## Project Services and Tasks

### Task 1.0: Project Management and Coordination

**1.1: Project Management.** Michael Baker has identified Mujahid Chandoo, PE, as the Project Manager. He will be supported by Polly Boardman as the Project Principal from the Reno, Nevada office at 5470 Kietzke Ln., Suite 208, Reno, NV 89511. Mujahid has over 15 years of experience in surface water management projects. His areas of expertise include H&H, sediment transport, and advanced modeling. He has been involved with various projects, not limited to, floodplain management and FEMA mapping, complex watershed and drainage master planning, channel design, and large-scale 2D floodplain studies. Polly has almost 20 years of GIS management experience in Northern Nevada. As Principal-in-Charge in the Reno office and an Officer of Michael Baker, she will also be responsible and accountable for all contract issues and negotiations, as well as legally binding the company for contract agreements.

**Deliverables:** Monthly Progress Reports



**1.2: Project Coordination Meetings.** PM shall schedule monthly project coordination meetings with the client team to keep the team informed and to ensure communication and collaboration throughout the duration of the project.

**Deliverables:**

- Recurring monthly meeting invite



**1.3: Invoicing.** PM shall invoice the CWSD monthly with a percent complete estimate for each task. The invoice will be processed by Michael Baker on the first Tuesday of the following month and will be emailed or mailed to CWSD's point of contact prior to the 10<sup>th</sup> of each month, to be identified in the contracting process. The invoice each month will include a brief progress report per task.

***Deliverables:***

- Monthly invoice

## **Task 2.0: Topographic Data**

Michael Baker will obtain the 2017 USGS LiDAR for this entire study area from CWSD in .tif format (or other acceptable formats such as .asc). This information will be used to develop the terrain data. CWSD shall define the source(s) of data, dates, and accuracy for project record. If multiple sources are merged into a composite product, the raw and final files will be provided by CWSD/Carson City. This will include a Survey Report/accuracy statement signed and sealed by a Registered Professional Land Surveyor.

Michael Baker will review the topographic surface and determine if the data are sufficient for the project needs and provide feedback to CWSD/Carson City via a short memorandum. CWSD/Carson City will review the recommendations and decide whether the changes will be made in-house or tasked to Michael Baker. Changes to the base topographic data tasked to Michael Baker, will be authorized as an *Optional* work item per Task 3.4.

***Deliverables:***

- Memorandum Defining Supplemental Survey Requirements

## **Task 3.0: Data Collection**

**3.1: Hydraulic Structure Inventory.** Michael Baker will identify and inventory existing storm drain (greater than or equal to 18 inches), culverts and engineered channels within the study area. The hydraulic structures will be assessed for applicability and benefit of hydraulically routing inflow to the storm drain in Task 4.0. This will include collecting GIS inventories maintained by the CWSD, Carson City and HOAs in the study area as well as readily available as-built drawings. Michael Baker will use the as-built drawings to identify pipe inverts, pipe materials, pipe sizes and pipe lengths, as available. Michael Baker will then use mapping and aerial photography to identify additional facilities. Significant At-Grade crossings will be inventoried as well.

Michael Baker will prepare a GIS database of the inventory. Formal As-Built field surveying is not included in this task item. Michael Baker will make recommendations for performing a field reconnaissance to obtain data such as relative invert elevations to the roadway grade, size, material, sediment/scour conditions, and photographs for modeling purposes. Recommendations for further inventory or survey will be authorized as an *Optional* work item per Task 3.4.

**3.2: Site Visit.** Michael Baker will perform one (1) site visit to assess and verify hydraulic characteristics of the watershed. This will include field measurements documented via pictures and photo log. High water marks observed in the field will be measured.

**3.3: Previous Study Collection.** CWSD will provide or coordinate with the various City agencies within the project area to provide the following information:

- I. All hydrology reports
- II. All recent storm NEXRAD databases covering the project area
- III. Available shapefiles of all buildings, walls, land use, infiltration soil groups and related data, and flow roughness.
- IV. Any available rating curves or other data on hydraulic structures.

Michael Baker will review these document/files for background information and data to be used for the study.

**3.4: Supplemental Survey.** Field survey data may be necessary to supplement data from task 2.0, 3.1 and Task 3.2. Michael Baker's teaming partner will provide field survey for some of the roadway crossing locations to determine geometry information (elevations and structure sizes) that were not captured from the provided DEM (Task 2.0). This task assumes 4 locations. If required, a scope of work will be developed and provided to CWSD for review and approval prior to the start of the Supplemental Survey.

**Deliverables:**

- Storm Drain Data Inventory in GIS format
- Field notes and Photos
- Summary of available drainage data
- Field Survey Proposal (if needed)

**Task 4.0: Flood Risk and Mitigation**

**4.1: Baseline Models (Hydrology and Hydraulics).** Michael Baker will collect and process data related to parameter development of the hydrologic and hydraulic models for the East Carson ADMP. This task is essential for determination of existing flood hazards and risks for the study area.

- **Software.** HEC-RAS 6.0 (or latest version at the start of H&H modeling)
- **Frequencies to Analyze.** Michael Baker will analyze the 10-, 25-, and 100-year storm events.
- **Duration (24-hr).** Michael Baker will run the base models with for the 24-hour duration (as discussed in the kick-off meeting 2021-01-06) and evaluate the results.
- **Distribution.** The rainfall distribution will use the 24-hour SCS Type II Rainfall distribution.
- **Rainfall Losses.** Green-Ampt method will be used to estimate rainfall and infiltration losses.
- **Manning's n-values.** Michael Baker will develop a spatially varied coverage for Manning's n-values based on the Surface Feature Characterization and other n-value guidance and input provided by CWSD/Carson City. Michael Baker will document changes to the n-value in a shapefile.
- **Grid Size Selection.** Michael Baker will evaluate and recommend the grid element size (e.g., 10-foot, 20-foot, etc.). This assessment will take into consideration issues associated with the ground surface and hydraulic accuracy as well as model size and

model integration. Michael Baker will refer to previous studies, evaluate the ground surface, and evaluate applicability for modeling goals before making a recommendation.

- **Key Hydraulic Structures.** For the base models, key hydraulic structures along major washes will be added to the models to assist with the model development based on data collected from Task 2.0 and 3.0. As-Built drawings for these structures will be provided by the CWSD and Carson City. As-builts or GIS database will be obtained from CWSD for storm drain components that need to be included in the study area if available.
- **Model Calibration and Verification Data.** This task includes data collection of past storms (i.e. rain and stream gage data if available) in the watershed for use in model calibration/correlation and verification.

**4.2: Flood Risk Assessment.** Michael Baker, along with CWSD and Carson City, will develop an approach to defining potential flood risk based on the baseline modeling (Task 4.1) results and the identified flood hazards. Flood risk will be based on some or all of the following: erosion potential, water depth and the product of depth multiplied by velocity. Michael Baker will quantify the number of buildings, road crossings and other critical infrastructure within each type of flood risk or defined risk category. This assessment will identify flooding problems also based on historical flood observations. Flooding problems are defined as areas the Michael Baker Team and CWSD/Carson City believe are worthy of further investigation/alternative analysis.

**4.3: Alternative Analysis.** Conceptual flood mitigation alternatives will be developed and analyzed for the identified flood hazard areas. Alternatives may include flood control features such as regional detention basins, channels, storm drain systems, and development standards.

Michael Baker shall collect updated plans from the CWSD and Carson City regarding parks/recreation, trails, future growth, updates to general plans, research and collect information relevant to current Area Developments and their respective master plans for the open space, drainage and trail connections strategies, and coordination with current and future development plans for the Pinion Area. This task will include identifying possible alternative opportunities and constraints pertaining to open space/multiuse benefits. Task 4.3 will incorporate green infrastructure as part of the mitigation evaluation.

Physical features will be input into the existing/baseline conditions hydraulic models to evaluate effectiveness. These analyses, along with input from the public and project stakeholders as described for the Outreach task, will also allow for the development of recommended alternatives. Recommended alternatives will be developed into conceptual designs to aid and support potential mitigation grant applications. The task assumes 3 alternatives/mitigation locations that will have conceptual designs.

**4.4: Cost Estimation.** As part of the infrastructure evaluation, preliminary/order-of-magnitude cost estimates will be developed for the three conceptual alternatives. These will be engineers cost estimates based on high-level unit costs from the City/CWSD or consultant recent bid documents. These data will be used to help select the recommended alternatives. The cost estimate for the recommended alternative will be refined for inclusion in the cost to benefit ratio analysis, and to support mitigation grant applications.

**4.5: Cost to Benefit Ratio Analysis.** FEMA’s Hazus economic loss analyses software will be run for both existing conditions, and the three alternatives. The economic benefit of each alternative will be used to help select the recommended alternatives, and to support mitigation grant applications. The Hazus analysis will use existing and proposed depth grids for determining flood depths, LiDAR and a 3” rule of thumb for determining finished floor elevations, and County Assessor’s property data for estimating full replacement costs.

**4.6: Conceptual Drainage Report.** Michael Baker will prepare a Hydrology and Hydraulics Report summarizing the results. The report will be organized in the TSDN format. The draft report will be delivered to the District digitally for review. After receipt of all city comments, we will address the comments and deliver the final report in digital format.

#### **Deliverables:**

- H&H Modeling (via electronic submittal)
- Draft and Final Flood Hazard Exhibits
- Alternative Analysis Memo (to be incorporated in the Draft/Final Report)
- Conceptual Report

### **Task 5.0: Public Outreach**

**5.1: Public and Stakeholder Involvement Plan.** Michael Baker shall prepare a Public and Stakeholder Involvement Plan for submittal to CWSD and Carson City. The plan will include a strategy, list of all homeowner associations or resident/community events with contact information and regularly scheduled meeting dates, a list of tools and recommended techniques to be used, and an implementation plan and schedule. This task includes meetings with maintenance staff from Carson City and Pinion Hills residents. It is anticipated that the first meeting will be at the onset of the project in an effort to educate the public regarding the East Carson City ADMP and collect residents’ flood pictures and first-hand accounts and information.

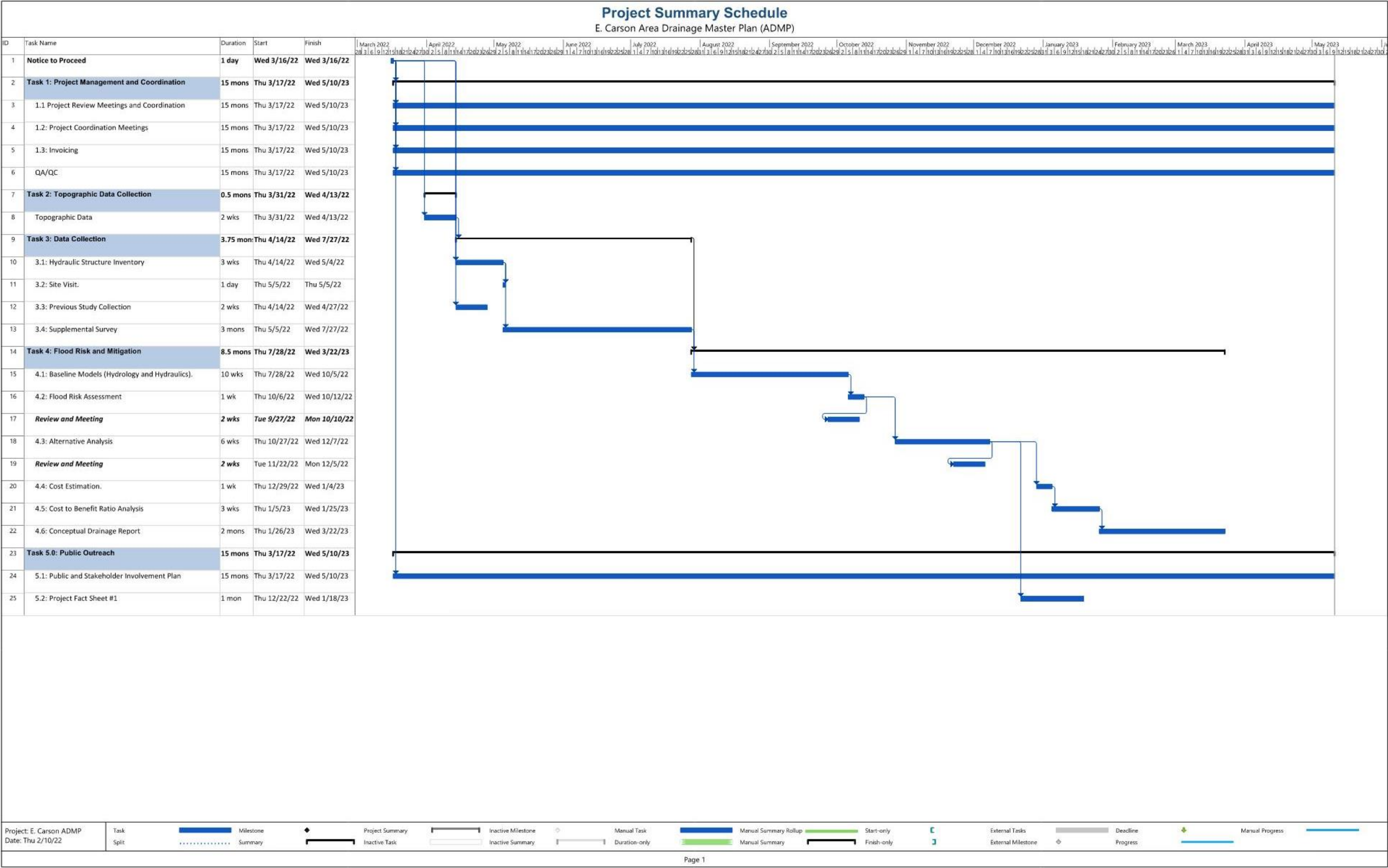
In addition to the stakeholder kick-off meeting, Michael Baker shall meet with stakeholders individually, as needed, to gather information about flooding issues. A second informational public meeting will be held to inform residents of the proposed plan and possible drainage infrastructure. Final public meetings will be held to present the results of the study. This will be presented to the CWSD Board and the Carson City Board of Supervisors. Online meetings will be prepared in the event in-person meetings are not feasible. CWSD Project Manager shall be advised of meetings and given an opportunity to attend. Michael Baker shall keep a written summary of all meetings and will include them as part of the project record. This scope includes up to two (2) individual stakeholder meetings and board presentation to CWSD and Carson City.

**5.2: Project Fact Sheet #1.** Michael Baker shall prepare a project fact sheet for use in the initial public and stakeholder outreach efforts. The fact sheet will include the project study area map, goals and objectives, and other pertinent information as appropriate. CWSD and Carson City shall be responsible for the design and production of printed material. CWSD and Carson City will post the project information packet materials on the project page website.

***Deliverables:***

- Public and Stakeholder Involvement Plan
- 2 Stakeholder Meetings
- Board Presentation (CWSD and Carson City)
- Project Fact Sheet #1

Project Schedule



## Project Fee

Task	Description	Allotted Budget
<b>1.0</b>	Project Management	\$17,090
<b>2.0</b>	Topographic Data	\$3,590
<b>3.0</b>	Data Collection	\$26,675
<b>4.0</b>	Flood Risk and Mitigation	\$98,930
<b>5.0</b>	Public Outreach	\$26,180
	Reimbursable/ODC	\$2,000
	<b>Total</b>	<b>\$174,465</b>



## **AGENDA ITEM #10**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #10 – For Possible Action: Approval of Agreement #2022-2 with Kimley-Horn for Southeast Carson City ADMP not to exceed \$129,560

---

**DISCUSSION:** Attached is an agreement with Kimley-Horn to conduct the Southeast Carson City ADMP. CWSD and Carson City staffs reviewed the various proposals received and determined that Kimley-Horn was the most qualified firm to conduct the study. This project is fully funded through a FEMA grant.

**STAFF RECOMMENDATION:** Approve Agreement #2022-2 with Kimley-Horn for Southeast Carson City ADMP not to exceed \$129,560.

**DRAFT**

# Agreement

Carson Water Subconservancy District (hereinafter "**CWSD**") and Kimley-Horn & Associates, Inc. (hereinafter "**KH**") hereby enter into an agreement whereby KH will complete the Southeast Carson City Area Drainage Master Plan project in accordance with and subject to the following terms and conditions:

1) **ASSIGNMENT**

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

Complete the Southeast Carson City Area Drainage Master Plan project, which is further identified and described in Exhibit "A," the compensation paid to KH for this project shall not exceed **\$129,560**.

2) **INDEMNITIES**

(a) To the fullest extent permitted by law KH 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 KH, its officers, employees, and agents.

(b) CWSD will indemnify and hold KH harmless with respect to any claims or actions instituted by third parties which result from the use by KH of material furnished by CWSD or where material created by KH is substantially changed by CWSD. Information or data obtained by KH 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 KH, KH shall assist in the preparation of the defense of such action or proceeding and cooperate with CWSD and CWSD's attorneys. CWSD will reimburse KH any out-of-pocket costs KH 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 KH 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) KH 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 **12/31/2022**, unless extended by written agreement of the parties.

b) KH 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 KH 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 KH.

5) **PERFORMANCE**

Should KH fail to perform any of the services provided for in Exhibit "A," CWSD shall notify KH of such non-performance and allow thirty (30) days for KH 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: KH Business Technical Plan

7) **INDEPENDENT CONTRACTOR**

KH 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 KH (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 KH upon completion, termination, or cancellation of this Agreement. KH shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of KH'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 KH 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 KH 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 KH 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 KH'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:

- (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) KH shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by the CWSD;



- (3) KH shall execute any documents and take any actions necessary to effectuate an assignment of this Agreement if so requested by the CWSD; and
- (4) KH 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, KH 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 KH 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 KH 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. KH may label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 333.333, provided that KH 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.: Geoff Brownell, P.E.**  
**Kimley-Horn**  
**7740 North 16<sup>th</sup> Street, Suite 300**  
**Phoenix, AZ, 85020**

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.

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:  
**Kimley-Horn**

\_\_\_\_\_  
*Signature* *Date*  
Edwin D. James  
General Manager

\_\_\_\_\_  
*Signature* *Date*  
Geoff Brownell  
Project Manager



# Exhibit A



## Carson Water Subconservancy District

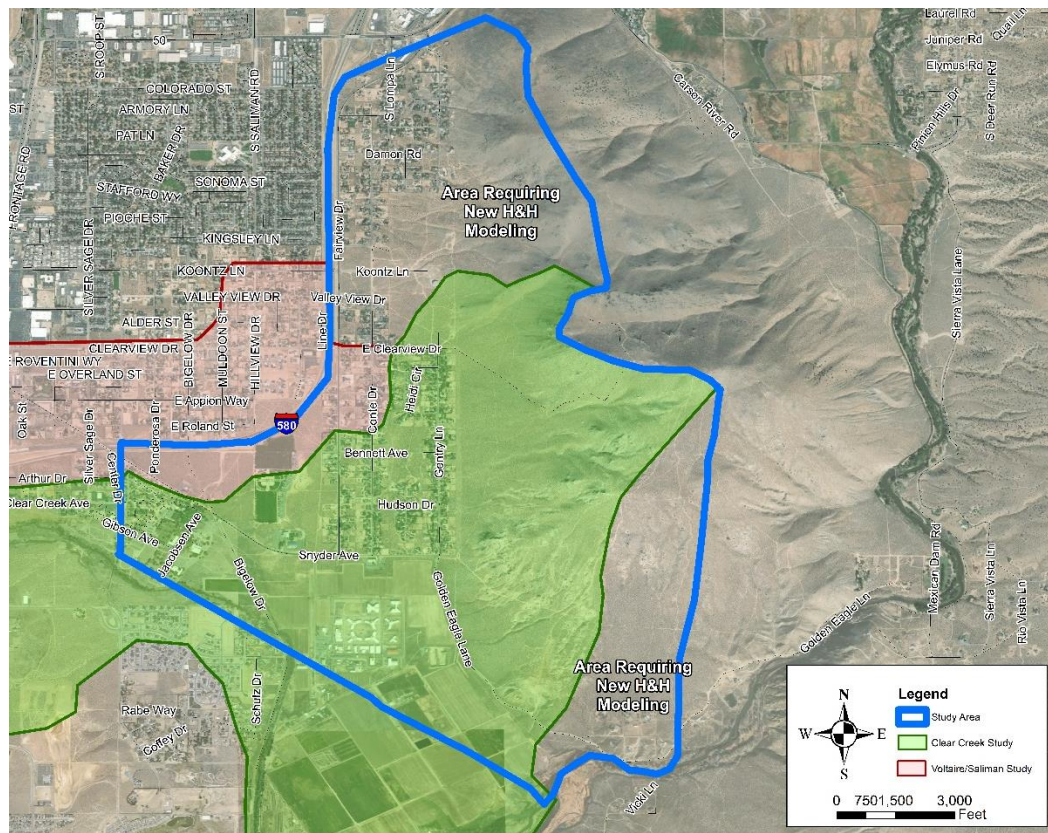
### Southeast Area Drainage Master Plan (ADMP)

#### Business/Technical Plan of Work

Prepared February 10, 2022

The Carson Water Subconservancy District (CWSD), Carson City (City), and FEMA have been working to more accurately define flood hazards in the Carson Valley region over the past several years. Hydrologic and hydraulic studies have been completed throughout the Carson City urban area using CTP grant funds and City funds. This study is a continuation of these efforts and will build on previous studies in the project area wherever possible.

The goals for the Southeast ADMP project will be to identify flood mitigation solutions for a southeast portion of Carson City as shown in the following figure.



The area is generally located south and east of Interstate 580 adjacent to Prison Hill. The Southeast Carson City ADMP is a continuation of the food hazard mitigation efforts initiated by the Voltaire/Saliman Restudy and Floodplain Remapping and the Clear Creek Letter of



Map Revision (LOMR), both of which are ongoing with Carson City. It is anticipated that the Voltaire/Saliman Restudy and the Clear Creek LOMR models will be provided and substantially completed to a point where proposed alternatives can be evaluated. This study will build on the hydrologic and hydraulic analyses completed by those studies while adding additional adjacent areas. This study will focus on mitigating flooding in the attempt to remove residents from the floodplain or reduce their overall flooding hazard. The scope of work for the study/plan would incorporate the follow tasks:

**Task 1. Data Collection**

- a. Kimley-Horn will coordinate with Carson City's consultants to obtain the latest hydrologic and hydral models associated with the Voltaire and Saliman Restudy and the Clear Creek LOMR.
- b. Carson City houses considerable data relevant to this study or the project area. Kimley-Horn will collect, review, and process existing data provided by Carson City and other sources as necessary to determine applicability of use for this effort. Data may include LiDAR, previous studies, GIS layers, and survey data. For the area requiring new hydrology and hydraulic modeling, USGS LiDAR, NRCS soil data and Carson City Landuse files will be obtained.
- c. As part of the effort to evaluate the existing drainage facilities, it may be necessary to conduct field assessments and/or actual field survey to collect required data. Fees associated with this task include these efforts. If not required, these fees will be redirected to other tasks as needed.

**Task 2. Existing Conditions Analyses**

- a. Kimley-Horn will create a FLO-2D Pro models to analyze the areas requiring new hydrology/hydraulic modeling. There are two main watersheds where new hydrologic and hydraulic data will be generated.
  - i. The first watershed is generally bounded by Interstate 580 to the west, Prison Hill to the east, Fairview Drive to the north, and Clearview Drive to the south which is approximately 700 AC.
  - ii. The second watershed will include the drainage area contributing to the community near Golden Eagle Lane and Hobbyhorse Lane. The watershed is generally bounded by the Prison complex to the west, the Carson River/ Golden Eagle Lane to the east and south, and Prison Hill to the north which is approximately 350 AC.

Hydraulically significant culverts (>18”) and buildings will be included in the FLO-2D model(s). Based on the watershed, there doesn’t seem to be any hydraulically significant walls that would alter flow directions.

The intent of this effort will be to determine the existing capacity of drainage infrastructure, identify weak points in the system, and quantify structures potentially impacted by flooding. Design storms will include 10-, 25-, and 100-year reoccurrence intervals.

### **Task 3. – Proposed Conditions Analyses**

- a. Kimley-Horn will coordinate with Carson City and stakeholders to identify the flood hazard areas and compare with the model results. Initial alternatives will be discussed with the City prior to conceptual design.
- b. Kimley-Horn will work with the City and stakeholders to develop a drainage master plan consisting of individual recommended alternatives. The recommended alternatives will be developed by analyzing cost, constructability, and with public and stakeholder input. Up to two (2) alternatives for each master plan component will be analyzed to identify the recommended alternative. The recommended design alternatives will be implemented into a proposed condition FLO-2D model. The focus of this effort will be on implementable solutions that fit within budget constraints and are effective in mitigating flooding conditions.
- c. Impact maps will be created to display the upstream and downstream impacts for the recommended alternatives

### **Task 4. – Public Outreach**

- a. Kimley-Horn will prepare and distribute postcards to residents in the study area to request information about flooding issues.
- b. Kimley-Horn will assist the City in conducting up to two (2) public meetings to present the results of existing conditions analyses and conceptual design. Public meetings may focus on existing conditions results first, followed by overall mitigation solutions and recommendations. We anticipate conducting these meeting in person but can conduct virtually as needed. Kimley-Horn will prepare public meeting materials including display boards, meeting invitation language, PowerPoint presentation, and any required handouts. Kimley-Horn can also present technical data at each meeting if desired by the City. It is assumed that the City will secure facilities to host in person public meetings.
- c. Kimley-Horn will conduct up to four (4) main stakeholder interviews with agencies such as NDOT, the Northern Nevada Correctional Center, Washoe Tribe, and/or State Public Works.
- d. In addition to the public meetings described above, Kimley-Horn will present the results of the project to the Board of Supervisors and the CWSD Board as directed

by Carson City and CWSD. It is assumed that these presentations will coincide with public meeting dates to reduce travel costs.

#### **Task 5. – Design Concept Report/Plan**

- a. Kimley-Horn will develop conceptual level plan sheets for the design alternatives. Plan sheets will show plan and profile considering known right-of-way and utility constraints. Notes, details, and specifications will not be included.
- b. Kimley-Horn will compile all collected data, analyses, and design into a design concept report for submittal and approval to the City and CWSD. Kimley-Horn will submit a draft report and final report that addresses all comments. It is assumed that all submittals will be electronic, and that one round of comments will be addressed.

#### **Task 6. Cost Benefit Analysis**

- a. Kimley-Horn will complete a benefit costs analysis per FEMA's methodology that will show the potential damage to structures in existing and proposed conditions with the recommended alternatives in place.

#### **Task 7. – Project Management**

- a. Project management includes onsite project meeting and presentation time, as well as FEMA Map Information Platform (MIP) management. The MIP tasks are general tasks that will only require the study data, a project narrative and self-certification forms to be uploaded to the MIP and no metadata. In addition, project management includes contract management, invoicing, internal meetings with staff, and Quality Control/Quality Assurance.

### **KIMLEY-HORN ALLOWANCES**

#### **Task 8. - Expenses (Allowance)**

- a. This allowance is for expenses anticipated for this project including: Travel expenses, in-house reproduction, and mileage.

### **OTHER EXCLUSIONS**

- a. Geotechnical and environmental services are not included
- b. Topographic mapping services are not included
- c. FEMA MIP Metadata

Kimley-Horn will perform the services in Tasks 1 - 8 for the total lump sum labor below. In addition to the lump sum labor fee, direct reimbursable expenses such as express delivery services, fees, air travel, and other direct expenses will be billed at cost.

Task 1	Data Collection	\$7,710
Task 2	Existing Conditions Analyses	\$19,125
Task 3	Proposed Conditions Analyses	\$47,420
Task 4	Public Outreach	\$19,460
Task 5	Design Concept Report	\$14,065
Task 6	Benefit Cost Analysis	\$2,940
Task 7	Project Management	\$16,340
Task 8	Expenses	\$2,500
Total Lump Sum Fee		\$129,560

## **AGENDA ITEM #11**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #11 – For Possible Action: Approval of Agreement #2022-3 with Lumos for Virginia City/Six Mile Canyon ADMP not to exceed \$223,210

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**DISCUSSION:** Attached is an agreement with Lumos to conduct the Virginia City/Six Mile Canyon ADMP. CWSD and Storey County staffs reviewed the various proposals received and determined that Lumos was the most qualified firm to conduct the study. This project is fully funded through a FEMA grant.

**STAFF RECOMMENDATION:** Approval of Agreement #2022-3 with Lumos Virginia City /Six Mile Canyon ADMP not to exceed \$223,210.

**DRAFT**

# Agreement

Carson Water Subconservancy District (hereinafter "CWSD") and Lumos & Associates, Inc. (hereinafter "Lumos") hereby enter into an agreement whereby Lumos will complete Virginia City/Six Mile Area Drainage Master Plan in accordance with and subject to the following terms and conditions:

1) **ASSIGNMENT**

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

Complete Virginia City/Six Mile Area Drainage Master Plan, which is further identified and described in Exhibit "A." The compensation paid to Lumos for Virginia City/Six Mile Area Drainage Master Plan shall not exceed **\$223,210**.

2) **INDEMNITIES**

- (a) To the fullest extent permitted by law Lumos 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 Lumos, its officers, employees and agents.
- (b) CWSD will indemnify and hold Lumos harmless with respect to any claims or actions instituted by third parties which result from the use by Lumos of material furnished by CWSD or where material created by Lumos is substantially changed by CWSD. Information or data obtained by Lumos 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 Lumos, Lumos shall assist in the preparation of the defense of such action or proceeding and cooperate with CWSD and CWSD's attorneys. CWSD will reimburse Lumos any out-of-pocket costs Lumos 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 Lumos 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) Lumos 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 **12/31/2023**, unless extended by written agreement of the parties.
- b) Lumos 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 Lumos 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 Lumos.

5) **PERFORMANCE**

Should Lumos fail to perform any of the services provided for in Exhibit "A", CWSD shall notify Lumos of such non-performance and allow thirty (30) days for Lumos 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: Lumos Business Plan

7) **INDEPENDENT CONTRACTOR**

Lumos 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 Lumos (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 Lumos upon completion, termination, or cancellation of this Agreement. Lumos shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of Lumos'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 Lumos 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 Lumos 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 Lumos 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 Lumos'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:
  - (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) Lumos shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by the CWSD;



- (3) Lumos shall execute any documents and take any actions necessary to effectuate an assignment of this Agreement if so requested by the CWSD; and
- (4) Lumos 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, Lumos 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 Lumos 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 Lumos 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. Lumos may label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 333.333, provided that Lumos 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.: Timm Russell  
Lumos & Associates, Inc.  
9222 Prototype Drive  
Reno, NV 89521

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.

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



17) **SEVERABILITY**

18) **GOVERNING LAW**

Accepted and agreed on behalf of:  
**Lumos & Associates, Inc.**

Signature \_\_\_\_\_ Date \_\_\_\_\_  
Tim Russell  
Project Manager



# Exhibit A

## **Virginia City and Six Mile Canyon Area Drainage Master Plan Business Plan**

The Lumos/JE Fuller (JEF) Team is pleased to present the following Business Plan to complete the Virginia City and Six Mile Canyon Area Drainage Master Plan (ADMP). This ADMP has the benefit of using base information from the recently completed Dayton Valley ADMP and supplementing that information with specific information from the Virginia City area. The limits of this project are the Storey County line to the east and Six Mile Canyon drainage boundaries to the west, south and north. Per discussions with the County, the design storm for sizing infrastructure improvements within Virginia City will be the 25-year, 24-hour storm event. For potential mitigation alternatives within Six Mile Canyon, both the 25-year and 100-year storm events will be considered for the sizing of improvements.

The following tasks present our approach to the completion of the ADMP based on the MAS activities presented by the Carson Water Subconservancy District (CWSD).

### **Task 1 – Data Collection**

Task 1 includes the collection of existing data for completion of the Area Drainage Master Plan (ADMP). The Lumos/JEF Team will work with Storey County (County) and the Carson Water Subconservancy District (CWSCD) to identify data needs.

This task includes meeting with the County to review available information on existing drainage issues. The Dayton Valley Area Drainage Master Plan (DVADMP), completed in 2020, included an analysis of the Virginia City and Six Mile Canyon area. Information collected as a part of that ADMP will be referenced for this study to the extent it is applicable. Also included is the collection and review of County land use/ownership data, soils data, Super Fund site data, Federal Emergency management Agency (FEMA) Flood Insurance Studies (FIS), historic aerial photography, and other pertinent data as may be needed.

Lumos proposes to begin with a meeting in Virginia City with the County to review the existing infrastructure within the study area and discuss problem areas identified by the County. This information will support the identification of the additional areas needed for supplemental survey in Task 2. A summary of the areas identified and discussed will be provided to the County and the CWSCD and will be documented in the Project Report.

### **Task 2 – Survey**

As indicated in Task 3, it is our intent to use the existing LiDAR mapping from the U.S. Geological Survey (USGS). To supplement that data, Lumos will conduct limited field survey to supplement the existing topographic mapping. The additional survey field work will be conducted to tie in with the

LiDAR topography control to ensure the supplemental work can be tied into the initial base mapping. The field survey will focus on collecting data on existing storm drain infrastructure as well as supplemental ground shots in areas the County has indicated are specific problem areas identified in Task 1. We have provided a budgetary estimate for providing up to three additional days of field survey work along with an estimate of the office work required.

### **Task 3 – Terrain**

The Lumos/JEF Team will develop a baseline terrain for the study area using the existing LiDAR mapping. The U.S. Geological Survey (USGS) recently (2018) released LiDAR mapping as a part of their National Geospatial Program (NGP) that includes the ADMP study area. The mapping includes both QL1-and QL2-level data<sup>1</sup>. Figure 2 shows the study area and available USGS LiDAR data.

### **Task 4 – Topographic Data**

No new topographic data is anticipated to be collected other than what is included in Task 2

### **Task 5 – Hydrology**

JEF developed comprehensive existing conditions hydrology for the ADMP study area using the FLO-2D Pro<sup>2</sup> software pack as a part of the recently completed DVADMP. Modeling for the 25-year, 24-hour; 100-year, 24-hour; and the 100-year, 6 hour recurrence interval storms was developed. We propose to utilize the 25-year, 24-hour; and the 100-year, 24-hour DVADMP hydrology for the ADMP with no substantial modifications.

### **Task 6 – Hydraulics**

#### **6.1 – Existing Conditions Model Development**

JEF developed a comprehensive, 15-foot grid-size existing conditions hydraulic model for the DVADMP using FLO-2D Pro. We proposed to modify the DVADMP model limits to include the Six Mile Canyon upper watershed, including Virginia City to the approximate alignment of R Street. Downstream of R Street, the model will include the approximate 100-year floodplain limits of Six Mile Canyon. The model grid-size will be reduced to 10-feet for higher resolution hydraulic output. Major tributary inflows into Six Mile Canyon downstream of Virginia City will be input into the model via inflow hydrographs from the DVADMP model. This approach will limit the overall number of model grid-elements and allow for more efficient model run times.

#### **6.2 – Sedimentation Engineering**

Flooding-related sedimentation and debris accumulation have historically been problematic within the study area. JEF will conduct sediment engineering tasks to identify the areas potentially impacted by sedimentation and quantify sedimentation rates. JEF will perform sediment yield computations to support the alternative assessments. Lumos will provide lab testing on an as needed basis from our Carson City lab. This scope of work includes up to 12 sieve analysis runs per our standard lab fees and including oversight from our geotechnical engineer.

### 6.3 – Field Assessment and Verification

The Lumos/JEF Team will conduct a field assessment of the project area to verify the results of the existing conditions modeling and to collect sediment information, if task 6.2 is proposed. Sediment samples may be collected by either bulk collection or pebble counts.

### 6.4 – Mitigation Alternatives Development

The Lumos/JEF Team will develop flood mitigation alternatives within the Virginia City limits and at selected locations within Six Mile Canyon. JEF will provide the modeling verification of the hydraulic impacts of the alternatives developed by Lumos. Lumos will prepare the hydraulic facility designs based on the initial model data provided by JEF. Based on our discussions with Storey County, this scope assumes the alternatives within Virginia City will be designed for the 25-year, 24-hour storm and that alternatives within Six Mile Canyon may be designed for both the 25-year and 100-year storms.

Modeling of alternative hydraulic structures may use the HEC-RAS (1D or 2D) software package or similar software. The latest non-beta software versions will be used.

### 6.5 – Preliminary Engineering Drawings

This task includes the preparation of 15% preliminary engineering drawings of the proposed mitigation alternatives.

These alternatives could include:

- Improvements to road crossings/culverts/channel along Six Mile Canyon;
- Storm drain pipe;
- Stormwater/sediment basins/ponds;
- Rock/concrete lined ditches;
- Concrete or other lining of area to mitigate erosion and protect roadways; and
- Other drainage structures as may be appropriate for the specific site.

Lumos will prepare 15% preliminary engineering drawings based upon the modeling and coordination of improvements conducted with and by JEF. These designs will be coordinated to ensure they match with the final recommended alternatives which will allow for a savings compared to developing 15% designs for all alternatives. Sizing of any structures will be included along with supporting calculations for any structures. All assumptions, including consideration of obstructions, will be documented for inclusion in the Project Report.

Additionally, we will assess the alternatives for constructability, land acquisition, cost/benefit, environmental permitting requirements (including any Carson River Mercury Super Fund permitting requirements) and other factors that may be relevant to identify which alternatives may be most appropriate to address the flooding concerns.

The schematic plans will include:

- Plan sheets prepared on 11"x17" format sheets at a standard engineering scale;
- Drainage structure location and sizing;

- Development of preliminary grading quantity estimates for any proposed basins or channels;
- Plan and profile concepts for channels to understand grading impacts; and
- Preliminary details for proposed structures.

Based upon the 15% design plans Lumos will prepare life cycle cost estimates for the facilities to account for annual maintenance and future replacement costs of the proposed facilities. We will provide these for all conceptual designs.

Also included in this phase Lumos will develop a priority list of projects to assist the County in determining which projects provide the best return in terms of improvements versus the estimated costs.

### **Task 7 – Public Outreach**

The Lumos/JEF Team will lead the public outreach and information efforts for this project, including the preparation and implementation of public meetings, designed to educate and gather initial input and concerns regarding the Area Drainage Master Plan. For the purposes of this proposal, Lumos will lead and implement a total of 2 public meetings and presentations to the public including the following tasks:

#### **Open House Educational and Input Meeting in Virginia City:**

- Location research, availability, confirmation and set-up
- Development and review of speaker and content order
- Development of Boards
- Development of feedback handout
- Advertising (assuming assistance by the County)
- Press Release development and distribution (assuming assistance by the County)
- Website correspondence management (assuming assistance by the County)
- Compilation of input from residents

#### **Informational Public Meeting in Virginia City:**

- Location research, availability, confirmation and set-up
- Development and review of speaker and content order
- Development of Boards
- Public input reporting
- Advertising (assuming assistance by the County)
- Press Release development and distribution (assuming assistance by the County)
- Website correspondence management

The Lumos/JEF Team will also present the results of modeling efforts and recommended alternatives to the CSWD Board and the Storey County Board of Commissioners (2 meetings in addition to the public meetings identified above). Key members of the design team will make the presentation and be available to respond to questions from each of the Boards.



### **Task 8 – Project Report with Draft Design Alternatives**

The Lumos/JEF Team will prepare a report that details the efforts completed to characterize the flood flows, develop the alternatives and prepare the construction cost estimations and cost benefit analysis. The Report will provide documentation of the public outreach, concerns raised by the stakeholders and results of the hydraulic modeling for the proposed alternatives.

This task includes two review meetings with the CWSD and the County. It is assumed that there will be one round of comments and edits.

The final report will be presented to both the CWSD and County (under Task 7).

### **Assumptions / Exceptions**

Lumos has made the following assumptions in preparation of this proposal:

- This proposal does not include a geotechnical report.
- The County will assist in locating documentation regarding existing easements and property information.
- The County will pay for any meeting location fees
- The County will pay for any website fees

### **Proposed Fees:**

Task	Description	Fee
1	Data Collection	\$8,920
2	Survey	\$13,700
3	Terrain	\$2,900
4	Topographic Data	\$0
5	Hydrology	\$1,475
6	Hydraulics, with optional Sedimentation Engineering	\$114,520
7	Public Outreach	\$22,685
8	Project Report with Design Alternatives	\$43,270
9	Contractor Project Management	\$15,740
<b>Total</b>		<b>\$223,210</b>



Carson City • Fallon • Lake Tahoe • Reno

[www.LumosInc.com](http://www.LumosInc.com)

**Reno**

9222 Prototype Drive  
Reno, Nevada 89521  
775.827.6111

Virginia City Six Mile Area Drainage Master Plan  
Preliminary Schedule  
March 3, 2022

March 17, 2022	Assumed Notice to Proceed
March 21, 2022	Initiate Task 1 - Data Collection
	Schedule initial meeting with Storey County
March 21, 2022	Initiate Task 5 - Hydrology
April 8, 2022	Complete Tasks 1 and 5
April 11, 2022	Initiate Task 2 – Survey. Weather permitting, schedule field crew for site supplemental survey
April 11, 2022	Initiate Task 3 – Terrain.
May 6, 2022	Complete Tasks 2 and 3 including site survey and basemap revisions and updated baseline terrain.
May 9, 2022	Initiate Task 7 – Public Outreach. Schedule initial public meeting with Storey County. Tentative public meeting during week of June 6, 2022.
May 30, 2022	Initiate Task 6 – Hydraulics.
Week of June 6, 2022	Field assessment and verification, sediment collection.
June 13, 2022	Initiate Mitigation Alternatives Development
October 3, 2022	Initiate Preliminary Engineering
March 31, 2023	Complete Task 6 – Hydraulics.
March 6, 2023	Initiate Task 8 – Project Report with Draft Design Alternatives
August 4, 2023	Draft Project Report to CWSD and Storey County
September 29, 2023	Final Project Report. Complete Task 8
October 2023	Presentations to CWSD and Storey County. Complete Task 7

## **AGENDA ITEM #12**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item # – For Possible Action: Approval of Agreement #2022-4 with JE Fuller for Buckeye Creek Flood Mitigation Design not to exceed \$175,080.60

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**DISCUSSION:** Attached is an agreement with JE Fuller to conduct the Buckeye Creek Flood Mitigation Design study. CWSD and Douglas County staffs reviewed the various proposals received and determined that JE Fuller was the most qualified firm to conduct the study. This project is fully funded through a FEMA grant.

**STAFF RECOMMENDATION:** Approve Agreement #2022-4 with JE Fuller Buckeye not to exceed \$175,080.60.

**DRAFT**

# Agreement

Carson Water Subconservancy District (hereinafter "CWSD") and JE Fuller Hydrology & Geomorphology, Inc. (hereinafter "JEF") hereby enter into an agreement whereby JEF will complete Buckeye Creek Flood Mitigation Design project in accordance with and subject to the following terms and conditions:

1) **ASSIGNMENT**

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

Complete Buckeye Creek Flood Mitigation Design project, which is further identified and described in Exhibit "A," the compensation paid to JEF for this project shall not exceed **\$175,080.60**.

2) **INDEMNITIES**

(a) To the fullest extent permitted by law JEF 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 JEF, its officers, employees and agents.

(b) CWSD will indemnify and hold JEF harmless with respect to any claims or actions instituted by third parties which result from the use by JEF of material furnished by CWSD or where material created by JEF is substantially changed by CWSD. Information or data obtained by JEF 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 JEF, JEF shall assist in the preparation of the defense of such action or proceeding and cooperate with CWSD and CWSD's attorneys. CWSD will reimburse JEF any out-of-pocket costs JEF 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 JEF 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) JEF 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 **8/31/2023**, unless extended by written agreement of the parties.

b) JEF 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 JEF 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 JEF.

5) **PERFORMANCE**

Should JEF fail to perform any of the services provided for in Exhibit "A", CWSD shall notify JEF of such non-performance and allow thirty (30) days for JEF 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: JEF Business Plan**

7) **INDEPENDENT CONTRACTOR**

JEF 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 JEF (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 JEF upon completion, termination, or cancellation of this Agreement. JEF shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of JEF'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 JEF 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 JEF 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 JEF 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 JEF'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:

- (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) JEF shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by the CWSD;



- (3) JEF shall execute any documents and take any actions necessary to effectuate an assignment of this Agreement if so requested by the CWSD; and
- (4) JEF 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, JEF 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 JEF 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 JEF 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. JEF may label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 333.333, provided that JEF 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, Suite 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.

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  
Project Manager



# Exhibit A

**DATE** February 23, 2022

**TO** Ed James, Director  
Carson Water Subconservancy District

**FROM** Mike Kellogg, PG, CFM, GISP  
JE Fuller Hydrology & Geomorphology, Inc.

**RE** Buckeye Creek Flood Mitigation Design – Business Plan

## 1. Introduction

The following is a Business Plan (BP) for the Buckeye Creek Mitigation Design project (project) based on our understanding of the overall project goals. The project major task headings in this BP were selected to be consistent with the FEMA Mapping Activity Statement (MAS) and Mapping Information Platform (MIP) activities.

### 1.1 Project Goals

1. Reduce the 100-year discharge of Buckeye Creek by identifying potential locations for and viability of detention basin(s).
2. If detention basin(s) are viable, develop 15% concept design plans for the basin(s). Outflow discharge from the proposed basins to be no greater than 400 cfs if possible. A higher discharge may be used if 400 cfs is not viable but will be agreed upon with the County.
3. The proposed outflow discharge must be compatible with the on-going proposed Muller Parkway improvement design plans.
4. Evaluate the existing network of drainage ditches and canals downstream of Orbit Way and their capacity for the proposed outflow discharge. Where capacity is inadequate, develop 15% concept designs to sufficiently convey the proposed outflow discharge.
5. Evaluate existing topographic mapping sources and identify areas where new mapping is needed and acquire new LiDAR mapping as needed.

### 1.2 Deliverables

All Deliverables and Submittals for the project will be provided to the Client Team in digital format. A submittal for each task will be provided to the Client Team for review and approval and will include supporting digital data.

### 1.3 Study Area

The study area is defined by the Buckeye Creek watershed area from the headwaters to immediately upstream of the U.S. Highway 395 alignment. Figure 1 shows the project area.

## **1.4 Consultant Team**

The Consultant Team is comprised of: JE Fuller/Hydrology & Geomorphology (JEF) who will serve as Prime and CA Group as Subconsultant.

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

## **1.5 Client Team**

The Client Team is comprised of Douglas 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

# **2. Business Plan**

## **2.1 Task 1.0 – Data Collection**

JEF will coordinate with Douglas County and the Carson Water Subconservancy District (CWDS) to collect, organize, and review pertinent data, reports, and plans for Buckeye Creek.

## **2.2 Task 2.0 – Terrain**

JEF will develop a baseline terrain for the study area from existing and/or new LiDAR mapping.

## **2.3 Task 3.0 – Topographic Data**

JEF will subcontract for the acquisition of new LiDAR mapping. It is anticipated that the contract will be with Quantum Spatial, Inc. Figure 2 shows the extent of new LiDAR needed. The final digital product from Quantum Spatial will be:

- Classified Return .las files
- Bare Earth DEMs
- Technical Data Report

## **2.4 Task 4.0 – Hydrology**

JEF will utilize the effective Flood Insurance Study (FIS) hydrology for Buckeye Creek. It is our understanding that the FIS hydrology was developed using the HEC-HMS software package. This model will be reviewed, and outflow hydrographs for the 100-year recurrence interval storm will be extracted from the HMS model at appropriate locations and used as inflows into the hydraulic model developed for this study. We do not anticipate making any modifications to the FIS hydrology.

## **2.5 Task 5.0 – Hydraulics**

### **2.5.1 Task 5.1 – Existing Conditions Model Development**

JEF will develop an existing conditions hydraulic model for Buckeye Creek from the approximate upstream limit of the effective FEMA floodplain mapping to the downstream project limit. It is anticipated that the model will be developed using the software package HEC-RAS2D. The latest non-beta software version will be used. No hydrologic modeling will be done within HEC-RAS2D. Inflows to the model will be from the 100-year outflow hydrographs extracted from the FIS HEC-HMS model.

### **2.5.2 Task 5.2 – Field Assessment and Verification**

JEF will conduct a field assessment of the project area to verify surface features, land use, and the results of the existing conditions modeling. Up to six (6) sediment samples will be collected for the Sedimentation Engineering task. Samples will be collected either by bulk collection or pebble count. Grain size distribution for bulk collected samples will be determined by mechanical sieve laboratory procedures. Lab analysis will be conducted by a local geotechnical lab facility.

### **2.5.3 Task 5.3 – Sedimentation Engineering**

JEF will conduct sedimentation engineering tasks to assess sediment transport within Buckeye Creek. JEF will perform sediment yield computations to support the alternative assessments.

### **2.5.4 Task 5.4 – Mitigation Alternatives Development**

JEF will work closely with Douglas County in developing flood mitigation alternatives. Detention basin(s) concepts will be investigated within the following parcels, listed in order of priority by Douglas County (Figure 3):

1. 1320-24-002-010
2. 1320-24-002-001
3. 1320-24-002-002
4. 1320-24-002-003
5. 1320-24-002-004
6. 1320-22-000-011
7. 1320-22-000-012
8. 1320-23-002-001
9. 1320-23-002-002
10. 1320-27-001-021
11. 1321-00-001-026

A single, or combination of basins will be investigated with the goal of reducing the 100-year FIS peak discharge to 400 cfs or lower. Concept (15%) design plans will be developed for the final basin alternative(s).

JEF will investigate the existing drainage infrastructure downstream of the basin(s) alternative(s) considering the new with-alternative(s) discharge. If the existing infrastructure cannot convey the new discharge, channel improvement alternatives will be investigated. If needed, concept (15%) design plans will be developed for the channel improvement alternatives.

## **2.6 Task 6.0 – Public Outreach**

The project technical team will work with Douglas County to secure a venue for one public outreach meeting. All parcels within the project area will be notified of the public meeting via a postcard mailer. Douglas County will provide addresses for the mailers. The meeting will occur near the conclusion of the project. This will be an Open House format and the content will be to present the project results and alternatives.

JEF staff will prepare for and attend the following meetings at the conclusion of the project where the project results and alternatives will be presented:

- CWSD Monthly Board Meeting
- Douglas County Monthly Commissioners Meeting

## **2.7 Task 7.0 – Report: Detention Basin Design with Culvert Size Evaluation**

### **2.7.1 Task 7.1 – Deliverables**

JEF will draft a technical report encompassing all hydrologic, hydraulic, and design tasks and submit to the Client Team for review. One round of revisions is anticipated to address Client Team comments.

Final digital copies of all models and model output will be provided to the Client Team.

### **2.7.2 Task 7.2 – MIP Submittal**

JEF will collect, organize, format, and submit the project data to the FEMA MIP.

## **2.8 Task 8.0 – Contractor Project Management**

JEF will prepare for and attend progress meetings as requested by Douglas County.

JEF will invoice CWSD monthly for work completed. A progress report will be included with each invoice.

Stakeholder Coordination. It is anticipated that multiple stakeholders will be involved in the project, including but not limited to:

- Bureau of Land Management
- Carson Water Subconservancy District
- Local Irrigation Districts
- Local Ranchers/Farmers

It is anticipated that the Douglas County will assist JEF with identifying and coordinating with local stakeholders for data collection efforts and to obtain right-of-entry for the Field Assessment task.

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

Project Schedule. The project will be completed by no later than January 2024. A project schedule is included with this BP as Attachment A.

Project Fee. A project fee table is included with the BP as Attachment B.

## **EXCLUSIONS, LIMITATIONS, AND ASSUMPTIONS**

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

- Preparation of FEMA submittals for floodplain revisions are not included
- All data will be available at no cost (with the exception of LiDAR mapping data)
- 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
- The Client Team will pay for any meeting venue rental fees



Figure 1. Project area



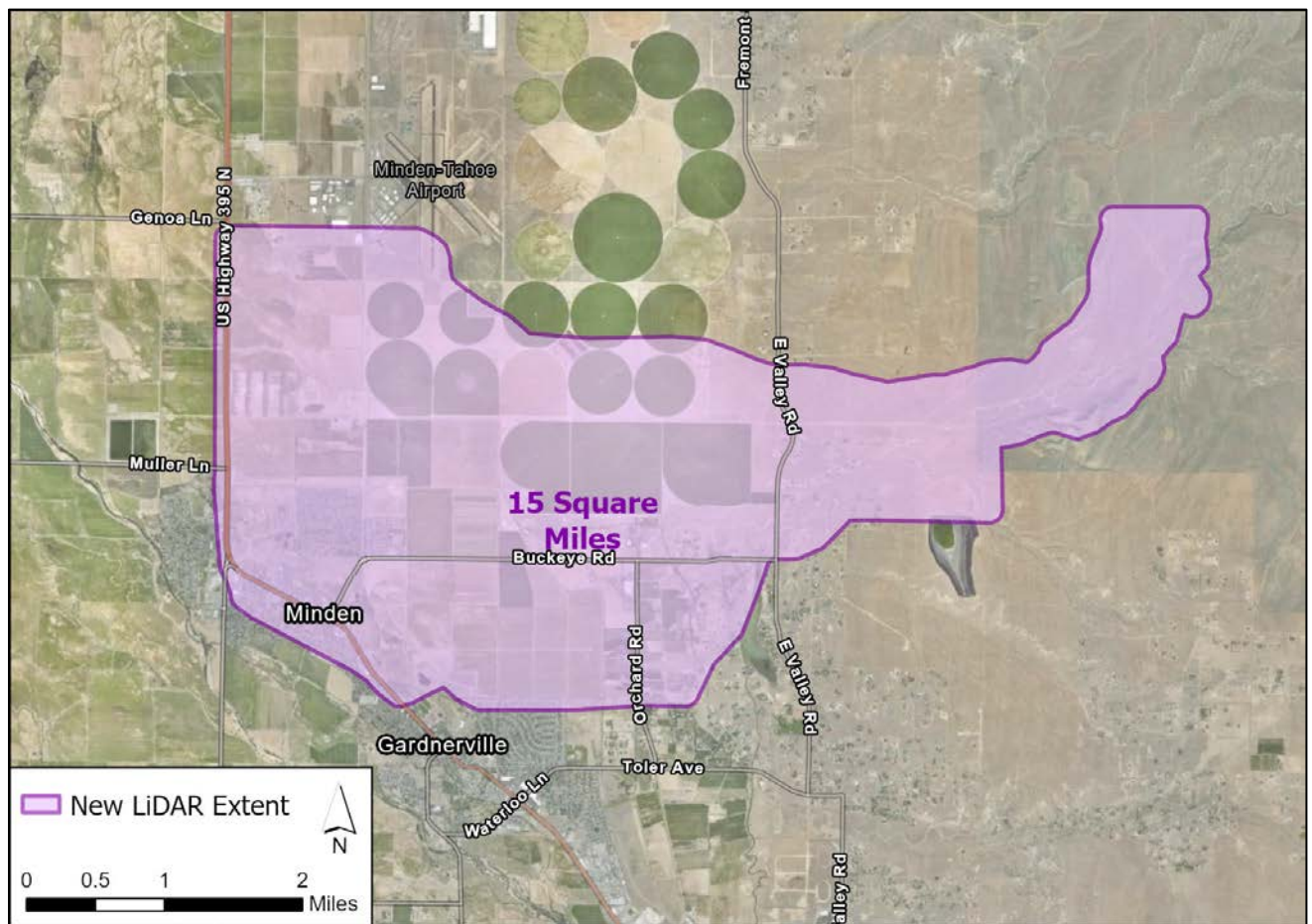


Figure 2. New LiDAR extent



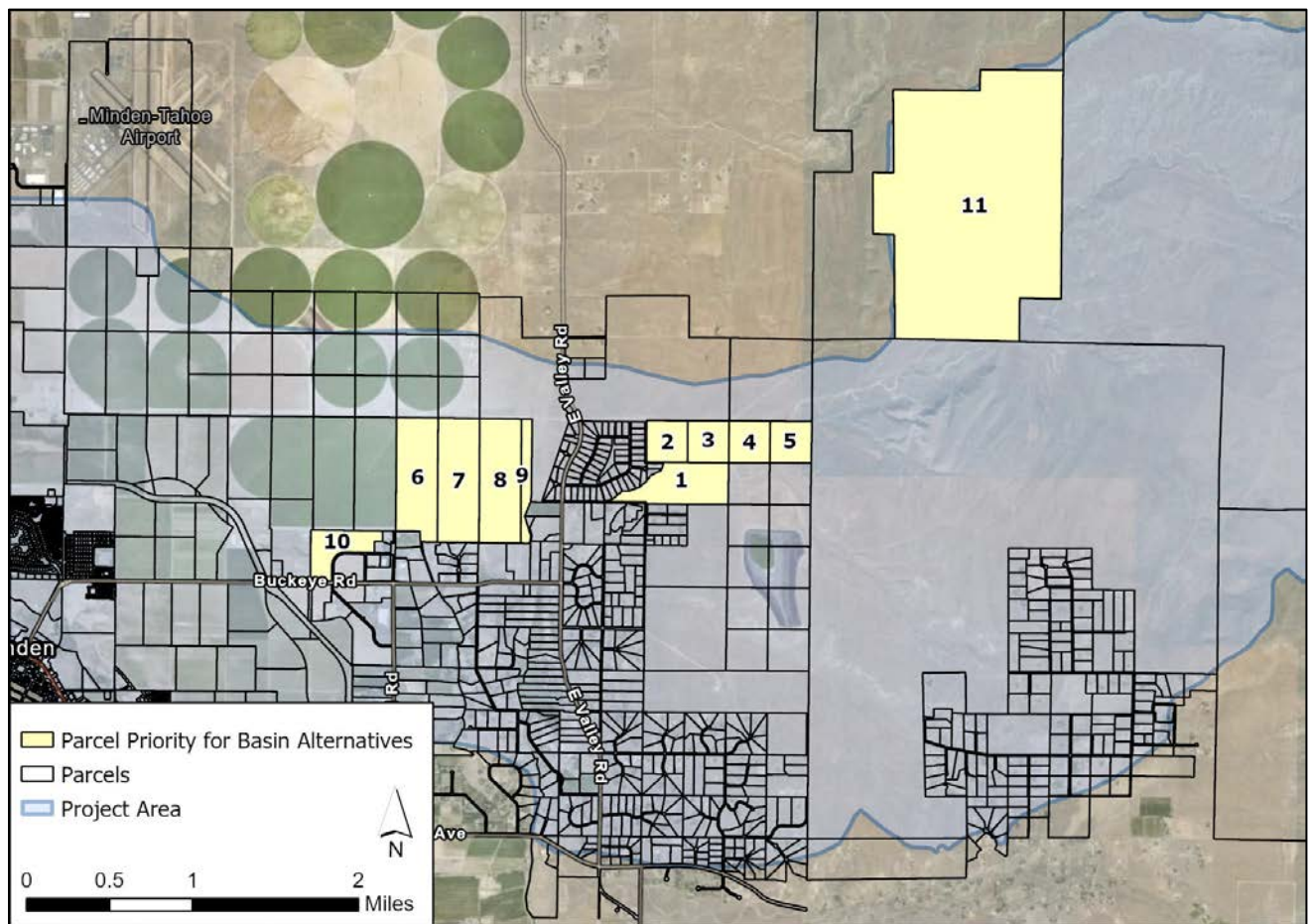
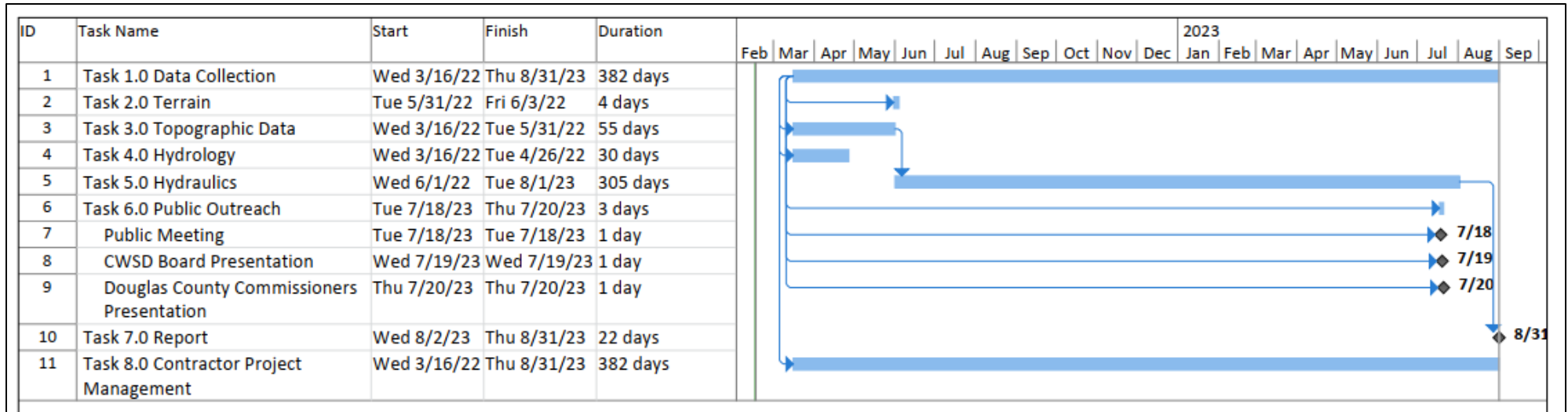


Figure 3. Parcel priority for basin alternatives

# ATTACHMENT A – PROJECT SCHEDULE



## ATTACHMENT B – FEE TABLE

## BUCKEYE CREEK MITIGATION DESIGN

Task	TASK DESCRIPTION	JE Fuller						CA Group						Team Total With Expenses
		Project Manager	Project Principal	Sr. Project Engineer	Project Engineer	JEF Labor Total	JEF Direct Expenses	Project Manager / QC	Lead Engineer	CADD Design	Public Outreach Coordinator	CA Group Labor Total	CA Group Direct Expenses	
		\$150.00	\$178.00	\$160.00	\$140.00			\$249.00	\$190.00	\$160.00	\$100.00			
1.0	DATA COLLECTION	10				\$ 1,500.00	\$ -	2	16			\$ 3,538.00		\$ 5,038.00
2.0	TERRAIN			20		\$ 3,200.00						\$ -		\$ 3,200.00
3.0	TOPOGRAPHIC DATA	10				\$ 1,500.00	\$ 38,382.60					\$ -		\$ 39,882.60
4.0	HYDROLOGY	5		24		\$ 4,590.00						\$ -		\$ 4,590.00
5.0	HYDRAULICS	110	0	204	40	\$ 54,740.00	\$ 2,720.00	8	40	80	0	\$ 22,392.00	\$ -	\$ 79,852.00
5.1	Existing Conditions Model Development			64										
5.2	Field Assessment and Verification	20		14			\$ 2,720.00							
5.3	Sedimentation Engineering	60		6										
5.4	Mitigation Alternatives Development	30		120	40			8	40	80				
6.0	PUBLIC OUTREACH	20		16		\$ 5,560.00	\$3,110.00				30	\$ 3,000.00	\$ -	\$ 11,670.00
7.0	REPORT DETENTION BASIN DESIGN	22	2	40	30	\$ 14,256.00		8	40	10	0	\$ 11,192.00	\$ -	\$ 25,448.00
7.1	Deliverables	20	2	40				8	40	10				
7.2	MIP Submittal	2			30									
8.0	CONTRACTOR PROJECT MANAGEMENT	36				\$ 5,400.00						\$ -	\$ -	\$ 5,400.00
TOTALS		213	2	304	70	\$ 90,746.00	\$ 44,212.60	18	96	90	30	\$ 40,122.00	\$ -	PROJECT TOTAL
														\$ 175,080.60

## **AGENDA ITEM #13**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** BOARD OF DIRECTORS

**FROM:** EDWIN D. JAMES

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #13 – For Possible Action: Approval of the  
2022 Water and Sewer Rate Report

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**DISCUSSION:** Attached is a draft of the 2022 *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 2022 Water & Sewer Report as submitted.

# 2022 Water and Sewer Rates in the Carson River Watershed

March 16, 2022

Advisory Report prepared by:

Deborah L. Neddenriep, CFM

Carson Water Subconservancy District



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Lyon County – Dayton and Moundhouse Sewer Rates	-----	B7
Minden Gardnerville Sanitation Sewer Rates	-----	B8
Lyon County – Silver Springs GID Sewer Rates	-----	B9
Stagecoach Sewer Rates	-----	B9
Storey County Sewer Rates	-----	B10



## 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 and sewer districts in our watershed. This report is made available to each water purveyor and to the general public via our website [www.cwsd.org](http://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 and Sewer Districts 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 approved a multi-year rate resolution in in 2019 that extends to June 30, 2024. Lyon County rates will increase annually on 7/1 from 2021-2024. Table 2.1 summarizes water rate changes as of 1/1/2022.

Table 2.1 Summary of Water Rate Changes in 2021

<b>Water Rate Changes as of 1/1/2022</b>	
<b>Water Purveyor</b>	<b>Approved Annual Increase Date</b>
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.
Douglas County	Water Rate Resolution passed in 2019, will increase rates annually on 7/1 through 6/30/2024.
Gardnerville Water Company	3.5% increase on 1/1/2022
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 2021

<b>Unchanged Water Rates as of 1/1/2022</b>	
<b>Water Purveyor</b>	<b>Approved Annual Increase Date</b>
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 had planned to increase sewer rates in 2020, but sewer rate change was put on hold, essentially due to COVID.

Table 3.1 Summary of Sewer Rate Changes in 2021

<b>Sewer Rate Changes as of 1/1/2022</b>	
<b>Water Purveyor</b>	<b>Approved Annual Increase Date</b>
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
Lyon County Utilities	Increased 1/1/20 and will also increase 7.55% annually on 7/1 2020 - 7/1/ 2024.

Table 3.2 Summary of Unchanged Sewer Rates in 2021

<b>Unchanged Sewer Rates as of 1/1/2022</b>	
<b>Water Purveyor</b>	<b>Approved Annual Increase Date</b>
Douglas County Public Works	Rate increase planned in 2020 did not occur due to Covid.
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

## Water Rates as of January 1, 2022

Base Rate (7/1/2021-6/30/2022)

Meter Size	Monthly Base Rate:
≤ 5/8"	\$ 29.06
1"	\$ 44.22
1 1/2"	\$ 66.01
2"	\$ 82.12
3"	\$ 120.03
4"	\$ 157.94
6"	\$ 233.75
10"	\$ 581.21
<b>Single Family Residential</b>	
<b>Usage Chg per k/gal*</b>	
0 - 5 @ \$1.86	
≥ 6 ≤ 30 @\$3.25	
> 30 @\$5.21	
<b>Multifamily Residential</b>	
\$ 2.11 per k/gal	
Base Rate \$10.29 Per Unit	
<b>Commercial</b> \$ 3.75 per k/gal	<b>Industrial / Manufacturing</b> \$ 3.93 per k/gal
<b>Large Commercial</b> \$ 3.93 per k/gal	

Connection Fees:		Residential and Commercial:	
Meter Size			Meter & Service Installation (city installed)
≤ 5/8"	\$3,440.00	≤ 5/8"	\$1,522.50
1"	\$8,600.00	1"	\$1,785.00
1 1/2"	\$6,219.00	1 1/2"	\$2,835.00
2"	\$6,219.00	2"	\$3,675.00
3"	\$6,219.00	3"	\$5,880.00
4"	\$6,219.00	4"	\$9,754.45
6"	\$6,219.00	6"	\$14,280.00
Multifamily per unit	\$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 <sup>2</sup> ;			
Multi Story < 2400 ft <sup>2</sup>	\$6.29	Small < 0.25 acre	\$30.00
Single Family Property:			
Single Story 1600 ≤ 2400 ft <sup>2</sup> ;			
Multi Story 2400 ≤ 3600 ft <sup>2</sup>	\$7.96	Medium > 0.25 ≤ 0.99 acr	\$45.00
Single Family Property:			
Single Story > 2400 ft <sup>2</sup> ;			
Multi Story > 3600 ft <sup>2</sup>	\$8.79	Large ≥ 1 ≤ 4.99 acres	\$60.00
		Very Large ≥ 5 acres	\$60.00

**Questions:**

Do you anticipate a rate increase in 2022? 3 % annual increase on 7/1 from 2022 to 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

**Reason for** precious

**Water Conservation:** resources.



## Water Rates As Of January 1, 2022

## 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
<b>Single Family Residential</b>	
<b>Usage Chg per k/gal*</b>	
0 - 6@ \$2.10	
≥ 6 ≤ 20 @\$2.60	
> 20 @\$3.40	
<b>Multifamily Residential</b>	
<b>Usage Chg per k/gal*</b>	
Meter charge priced based on meter size + \$53.80	
0 - 6@ \$2.10	
≥ 6 ≤ 20 @\$2.60	
> 20 @\$3.40	
<b>All Commercial/ Industrial / Manufacturing</b>	
<b>Usage Chg per k/gal*</b>	
\$ 80.50 base rate	
0 - 6@ \$2.10	
≥ 6 ≤ 20 @\$2.60	
> 20 @\$3.40	

**Connection Fees:**

<b>Residential:</b>	≤ 3/4"	\$7,200
	1"	\$7,200
<b>Commercial:</b>	≤ 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

<b>Stormwater Rates:</b>	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

## Water Rates As Of January 2022

**Residential Base Rate (7/1/2021-6/30/2022)**

Meter Size	Monthly Base Rate:	includes first 4k gallons
≤ 5/8"	\$ 34.83	
3/4"	\$ 34.83	
1"	\$ 72.00	
1 1/2"	\$ 133.06	
2"	\$ 208.40	

**Commercial Base Rate**

Meter Size	Monthly Base Rate:	includes first 4k gallons
≤ 5/8"	\$ 35.71	
3/4"	\$ 35.71	
1"	\$ 76.06	
1 1/2"	\$ 142.55	
2"	\$ 224.14	
3"	\$ 456.87	
4"	\$ 700.78	
6"	\$ 1,374.36	
8"	\$ 2,181.49	

**Irrigation Base Rate**

Meter Size	Monthly Base Rate:	includes first 4k gallons
≤ 5/8"	\$ 19.10	
3/4"	\$ 19.10	
1"	\$ 34.55	
1 1/2"	\$ 59.53	
2"	\$ 91.29	
3"	\$ 191.21	
4"	\$ 285.67	

**Single Family Residential****Usage Chg per k/gal\***

5≥12@\$3.03

&gt;13-21@ \$4.21

&gt;21@\$6.63

**Multifamily Residential****Usage Chg per k/gal\***

N/A

**Commercial****Usage Chg per k/gal**

All @ \$3.80

**Irrigation****Usage Chg per k/gal**

All at \$4.09

**Large Commercial****Usage Chg per k/gal**

N/A

**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

**Questions:**

Do you anticipate a rate increase in 2022?

Water rate Resolution 2019R-032 ; water rates will increase annually on 7/1 from 2020 -2024.

Are rates posted on your website:

[https://www.douglascountynv.gov/government/departments/public\\_works/w](https://www.douglascountynv.gov/government/departments/public_works/w)**General information on your service area :**

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

<https://www.douglascountynv.gov/governm>**Conservation Plan:**Yes [ent/departments/public\\_works/water\\_utility](https://www.douglascountynv.gov/government/departments/public_works/water_utility)**Reason for****Water Conservation:**

**Water Rates as of January 2022****Base Rate**

<b>Meter Size</b>	<b>Monthly Base Rate:</b>	<b>Water Treatment Service Charge</b>
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

**Connection Fees:**

<b>Residential:</b>		<b>Meter &amp; Service Installation</b>	
	<b>Meter Only</b>		
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 =

<b>Stormwater Rates:</b>	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 2017**

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

**Water Rates as of January 2022****Residential/Commercial Rates:**

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

**Connection Fees:**

<b>Service Size:</b>		<b>Connection Fee A*:</b>	<b>Connection Fee B:</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

<b>Classification:</b>	<b>Monthly Rate</b>
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 rate change in 2022? 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

**Connection Fees:**

Residential & Commercial Impact Fees		Water Rights Fee (per ERU)	Total Impact Fee with Water Rights	Fire Impact Fees
3/4" \$	6,381	\$ 8,960	\$ 15,341	\$ 1,000
1" \$	10,345	\$ 10,140	\$ 20,485	\$ 2,500
1 1/2" \$	20,582	\$ 13,260	\$ 33,842	\$ 5,000
2" \$	26,689	\$ 21,840	\$ 48,529	\$ 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
<b>Stormwater Rates:</b>		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 2022? Yes 3.5% on 1/1/2022

Are rates posted on your website: Yes

[http://www.gardnervillewater.org/index.php?option=com\\_content&view=article&id=21&Itemid=120](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):** 2676

**Service Connections:** 2413

Residential: 1961

Mutli-Family: 84

Commercial: 285

Irrigation: 83

Other: 0

**Metered Connections:** 2413

**Unmetered Connections:** 0

**Re-Use Connections:** 0

**Bill Frequency:** Bi-Monthly

**Unidentified**

**System Losses:** 5%

**Conservation Plan:** Yes

**Reason for**

**Water Conservation:** State requirement

**Water Rates as of January 2022****Indian Hills Residential and Commercial Water Rates**

<b>Meter Size</b>	<b>Monthly Base Rate:</b>
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
<b>Usage Chg per k/gal*</b>	
< 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:**

<b>Classification:</b>	<b>Monthly Rate</b>
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**

**Questions:**

Do you anticipate rate change in 2022? NO

Are rates posted on your website: Yes

[http://indianhillsnevada.com/Water\\_Department.shtml](http://indianhillsnevada.com/Water_Department.shtml)

**General information on your service area :**

**Population of Service Area:** 5,962

**Annual Demand (AF):** 762

**Service Connections:** 2,026

Residential: 1,945

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:**

**Water Rates as of January 2022****Dayton Valley & Mound House Residential**

Meter Size	Monthly Base Rate:
3/4"	\$ 28.02

**Dayton Valley & Mound House Residential**

Meter Size	Monthly Base Rate:
3/4"	\$ 28.02
1"	\$ 37.98
1 1/2"	\$ 54.51
2"	\$ 74.34
3"	\$ 127.22
4"	\$ 186.71
6"	\$ 213.10
8"	\$ 269.18
Low Income	\$ 18.79

**Single Family Residential/  
Commercial****Usage Chg per k/gal\***

≤5 in base

&gt;5@\$3.44

**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

**Questions:**

Do you anticipate rate change in 2022? Yes - 2.5% effective July 1, 2022  
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)

<b>Population of Service Area:</b>	18,675
<b>Annual Demand (AF):</b>	2,892
<b>total Service Connections:</b>	7,577
Residential:	6,193
Mutli-Family:	723
Commercial:	661
Irrigation: Incl in Commercial	
Other:	
<b>Metered Connections:</b>	100%
<b>Unmetered Connections:</b>	0
<b>Re-Use Connections:</b>	0
<b>Bill Frequency:</b>	Monthly
<b>Unidentified</b>	
<b>System Losses:</b>	0.02
<b>Conservation Plan:</b>	YES
<b>Reason for</b>	
<b>Water Conservation:</b>	System Ops

## Water Rates as of January 2022

## Town of Minden Residential and Commercial Water Rates

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

## Commercial :

## Commercial - Out of Area Service fees

<b>Metered:</b>	<b>Base Rate</b>	<b>Metered:</b>	<b>Base Rate</b>
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
<b>Unmetered:</b>	\$ 21.32	per month per equivalent dwelling unit	
<b>Commercial Usage Chg k/gal</b> ≤50k @\$1.5 >50-100k @\$1.65 >100k @ \$1.85		<b>Commercial - Out of Area Service fees Usage Chg k/gal</b> ≤50k @\$2.05 >50-100k @\$2.25 >100k @ \$2.50	

**Connection Fees:**

<b>Residential</b>	brings	town provides
	water right	water right
single family 3/4"	\$5,685	\$12,910
single family 1"	\$8,955	\$16,180
multi-family unit 3/4"	\$5,685	\$11,105
multi-family unit 1"	\$8,955	\$14,375
Residential >1" pays non-residential rate		

<b>Non-Residential</b>	Fixed Cost	Variable	Variable
3/4"	\$5,685	quote required	cost of water right
1"	\$8,955		\$6,450
1 1/2"	\$17,450		acre-feet (af) per year
2"	\$28,520		
3"	\$60,060		
4"	Quote Required		
>4"	Quote Required		

**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 2022? No  
 If known, please attach 2022 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 :**

<b>Population of Service Area:</b>	3,151	2019 Census Data
<b>Annual Demand (AF):</b>	1,849	
<b>Service Connections:</b>	2,073	
Residential:	1,779	
Mutli-Family:	5	
Commercial:	255	
Irrigation:		
Other:	34	

**Metered Connections:** 2,071

**Unmetered Connections:** 2

**Re-Use Connections:**

**Bill Frequency:** quarterly-residential; monthly-commercial

**Unidentified**

**System Losses:** Unknown

**Conservation Plan:** Yes/2021

**Reason for**

**Water Conservation:** Meets State requirement

**Water Rates as of January 2022**

<b>Residential Base Rate:</b>	<b>Zone 1</b>	<b>Zone 2</b>
	<b>Monthly Base Rate:</b>	<b>Monthly Base Rate:</b>
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:**

	<b>Zone 1</b>	<b>Zone 2</b>
	<b>Monthly Base Rate:</b>	<b>Monthly Base Rate:</b>
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

**Questions:**

Do you anticipate rate change in 2022? No  
 Are rates posted on your website: Yes

<https://www.silverspringsmwc.com/forms-and-documents>

**General information on your service area :**

<b>Population of Service Area:</b>	3070		3070
<b>Annual Demand (AF):</b>	564	<b>Annual Demand (AF):</b>	
<b>Service Connections:</b>	1191	<b>Service Connections:</b>	
Residential:	1113	Residential:	
Mutli-Family:			
Commercial:	62	Commercial:	
Irrigation:			
Other:	16	Other:	
<b>Metered Connections:</b>	100%		
<b>Unmetered Connections:</b>	0		
<b>Re-Use Connections:</b>			
<b>Bill Frequency:</b>	monthly		
<b>Unidentified System Losses:</b>	Unknown		
<b>Conservation Plan:</b>	Yes		
<b>Reason for</b>	We live in a desert climate. Water is a resource which must be managed		
<b>Water Conservation:</b>	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.		

## Water Rates as of January 2022

## Stagecoach GID Residential and Commercial Water Rates

<b>Residential:</b>	<b>Monthly Base Rate:</b>
	\$ 64.00

**Commercial:**

Meter Size	Monthly Base Rate:
1"	\$ 85.90
1 1/2 "	\$ 104.01
2"	\$ 132.80
3"	\$ 189.60
4"	\$ 247.11
6"	\$ 361.39

Water Dedication .67 af per parcel  
 1 hook-up - none  
 split parcels - .67 af/parcel

<b>Residential</b> <b>Usage Chg per k/gal*</b> ≤25 in base >25@\$3.00
<b>Commercial</b> <b>Usage Chg per k/gal*</b> < 1 in base ≥ 1 ≥ 50 @ \$3.50 <u>&gt;50&lt;100@\$4.00</u> ≥100@\$5.00

**Connection Fees:**

<b>Residential All Sizes</b>	\$5,000.00	District & Expansion Lots
<b>Commercial Fees All Sizes</b>		
Fee schedule will be the basis for assessing commercial hook-up fees.		
Equivalent Residential Unit	GPD	Connection Fee
		Dedication of Water Right
1	600	1 X residential fee
2	1,200	2 X residential fee
3	1,800	3 X residential fee
4	2,400	4 X residential fee
Plus additional cost for meter larger than 3/4 X 5/8.		

**Stormwater Rates:**

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

**Questions:**

Yes

Do you anticipate rate change in 2022?

Effective July 1, 2022 a base-rate increase of \$1 to monthly Residential and Commercial Water Service

Are rates posted on your website:

Yes, it's under Policies, Water Ordinance, and then

<http://www.stagecoachgid.com>

located in Pages 20-23 (Rate and Charges).

**General information on your service area:**

**Population of Service Area:** 1,637  
**Annual Demand (AF):** 296  
**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, 2020

**Reason for** To protect our

**Water Conservation:** natural resource

## Water Rates as of July 1, 2021

## Residential Base Rate

Meter Size	Monthly Base Rate:	Capitalization Fee:	Total Base Rate:
≤ 5/8"	\$ 34.06	\$ 11.24	\$ 45.30
<b>Single Family Residential</b> <b>Usage Chg per k/gal*</b> 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
<b>Commercial</b> <b>Usage Chg per k/gal*</b> 0 - 2 in base ≥ 2 @ \$3.94			
<b>Connection Fees:</b> <b>Residential:</b> \$ 2,500.00  <b>Connection Fees:</b> <b>Commercial:</b> \$ 4,100.00			

<b>Stormwater Rates:</b>	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 2022? 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:** 723

Residential: 524

Mutli-Family:

Commercial: 199

Irrigation:

Other:

**Metered Connections:** 723

**Unmetered Connections:** N/A

**Re-Use Connections:** N/A

**Bill Frequency:** Monthly

**Unidentified**

**System Losses:** Unknown

**Conservation Plan:** Yes

**Reason for**

**Water Conservation:**

**Truckee Meadows Water Authority Service Area Monthly Rates and Charges as of 1/31/2022:**

<b>Residential:</b>	<b>Monthly Metered</b>		Small Unit Flat Rate:	\$	42.54
	<b>Base Rate</b>	<b>Usage Chg</b>	<b>Multi-Unit Residential</b>		
	≤3/4" \$	20.16	k/gal	≤3/4" \$	20.16
	1" \$	22.18	≤ 6@\$1.87	1" \$	22.18
	1 1/2" \$	25.23	>6,001-25@\$3.02	1 1/2" \$	25.23
	2" \$	29.25	>25@\$3.54	2" \$	29.25
	3" \$	33.27		3" \$	33.27
	4" \$	38.27		4" \$	38.27
	6" \$	44.38		6" \$	44.38
				8" \$	51.43
				10" \$	60.46
<b>Commercial:</b>	<b>Commercial Metered</b>		<b>Tier Quantities in k/gal* (same usage rates as residential above)</b>		
	<b>Base Rate</b>		<b>Tier 1</b>	<b>Tier 2</b>	<b>Tier3</b>
	≤3/4" \$	10.07	3/4" 0-7k	7,001-30k	>30k
	1" \$	12.32	1" 0-14k	>14,001-65k	>65k
	1 1/2" \$	17.47	1 1/2" 0-28k	20,001-120k	>120k
	2" \$	23.58	2" 0-50k	<b>50,001-210k</b>	>210k
	3" \$	41.79	3" 0-165k	<b>165,001-640k</b>	> 640k
	4" \$	61.08	See link below for 4"-10" tiers		
	6" \$	114.84			
	8" \$	192.43			
	10" \$	291.19			

**Former Washoe County Water Utility Monthly Rates and Charges:**

<b>Residential:</b>	<b>Monthly Metered</b>			<b>Monthly Unmetered</b>
	<b>Base Rate</b>	<b>Meters &lt;1.5"</b>	<b>Meters &gt; 1.5"</b>	<b>Rate</b>
	≤3/4" \$	18.95	Usage Chg	\$ 89.82
	1" \$	24.38	k/gal	\$ 90.18
	1 1/2" \$	34.87	<6,999@\$2.85	\$ 92.12
	2" \$	46.49	≥7<20,999@\$3	\$ 93.55
	3" \$	74.87	≥21<40,999@\$	\$ 94.96
	4" \$	109.65	>41@\$5.71	\$ 99.18
	6" \$	199.93	See link below for larger & commercial rates	

**Former STMGID Monthly Rates and Charges:**

<b>Residential:</b>	<b>Monthly Metered</b>		<b>Meters &lt;2"</b>
	<b>Base Rate</b>		<b>Usage Chg</b>
	≤3/4" \$	10.32	k/gal
	1" \$	12.63	≤30@\$1.60
	1 1/2" \$	17.91	>30,001≤50@\$1.98
	2" \$	24.17	>20@2.85

See link below for 3:- 10" and commercial rates

\* Tier usage levels are set for each Meter size according to this table.

Will also increase 5/2022

Information collected from TMWA staff

[2022-1-31-TMWA Water Rates](#)



**Sewer Rates as on January 2022:**

<b>Flat Rates:</b>	<b>Monthly Rate:</b>
Single - Family Residential (per unit)	\$ 43.34
Multi - Family Residential (per unit)	\$ 29.11

<b>Metered Rates:</b>	<b>Monthly Rate:</b>
Low-Strength Commercial	
Base Charge	\$ 43.34
Volume charge (per 1,000 gallons of metered domestic water)	\$ 7.27
High-Strength Commercial	
Base Charge	\$ 43.34
Volume charge (per 1,000 gallons of metered domestic water)	\$ 12.83

<b>Sewer Connection Fees:</b>	\$ 4,493.00	Sewer Water Equivalent Residential Value
Sewer Connection Fees calculated by <b>Sewer Equivalent Residential Customer (SERC)</b> value; 1 SERC = 200 gallons		
Sewer Rate Classes	SERC	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.
Single -family residence,		
Mobile home (individual lot)	1.00	
Duplex (each living unit)	0.75	
Apartment (each living unit)	0.65	
Mobile home (individual lot)	1.00	
Mobile park (each pad)	0.65	

**Rate Change in the upcoming year?** 3.5 % annual increase on 7/1 from 2022 to 2024

Are rates posted on your website: Yes

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

**Sewer Rates as on January 2022:**

<b>Flat Sewer Rates:</b>		<b>Monthly Rate:</b>	
Single - Family Residential (per unit)		\$	59.20
<b>Metered Sewer Rates:</b>		<b>Monthly Rate:</b>	
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
<b>Sewer Connection Fees:</b>			
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?** No  
 Are rates posted on your website: Yes  
<http://nv-churchillcounty.civicplus.com/index.aspx?NID=105>

**Sewer Rates as on January 2022:****Monthly Rate:** See Resolution 2014R-030

<b>FY21 July 1, 2021 - June 30, 2022</b>	\$	72.08	Per Equivalent Dwelling Unit (EDU). 1 EDU = 250 gallons.
		N.A.	per gallon for domestic septage*

\* 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?**

Are rates posted on your website:

Had planned sewer rate increase in 2020, but it was put off due to Covid 19.

Yes

[https://www.douglascountynv.gov/government/departments/public\\_works/sewer\\_utility](https://www.douglascountynv.gov/government/departments/public_works/sewer_utility)

**Sewer Rates as on January 2022:**

<b>Flat Rates:</b>		Monthly Rate:
Single - Family Residential (per unit)	\$	35.00
	\$	35.00
<b>Metered Rates:</b>		
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**

**Sewer Rates as on January 2022:**

## Monthly Rate:

Category One* :	\$	23.00		
*Billing rate for connections to Sewer System after May 17, 1990.				
Category Two**:	\$	16.00		
** Billing rate for connections to Sewer System prior to May 17, 1990.				
Pump Station 1				
In-District Service Area:	\$	23.00	per month / EDU	Applies to district customers and annexed into district customers
	\$	5.00	Lift station fee	
	\$	28.00		
Pump Station 1				
Out-of-District Customers	\$	36.00	per month / EDU	

A rate increase of \$0.50 per month will commence for the July 2014 billing.

**Sewer Connection Fees:**

Category I	\$	2,200.00	per Equivalent Dwelling Unit
Category II	\$	6,300.00	
Category I was for people on septic, which is now down to 2 homes.			
Prior to Annex 3/6/2013	\$	6,300.00	per Equivalent Dwelling Unit
UnAnnexed after 3/6/2018	\$	6,300.00	per Equivalent Dwelling Unit
Pump Station 1 Surcharge	\$	1,728.00	

Expect Rate Change in the upcoming year? No

Are rates posted on your website: Yes

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

The Gardnerville Ranchos GID has a contract with MGSD to accept effluent from the Ranchos. The Ranchos maintains its own sewer mains.

**Sewer Rates as on January 2022:**

<b>Residential Flat Rate:</b>	<b>Monthly Rate:</b>	
	\$ 41.72	per Equivalent Dwelling Unit (EDU) 250 gpd = 1 EDU Additional charges determined by IHGID if discharge contains non-standard
<b>Sewer Connection Fees:</b>		
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 Mound House Sewer Rates DRAFT

## Sewer Rates as of January 2022

### Lyon County Sewer Rates for Moundhouse & Dayton:

#### Flat Rates:

Single - Family Residential (per unit)	\$	73.33	per month
Multi Family Residential (per unit)	\$	66.80	per month
Low Income Single - Family Residential	\$	49.53	per month

#### Metered Rates:

Commercial & Industrial			
Base Charge (No Usage Allowance)	\$	30.08	per month
Volume charge (per 1,000 gallons of metered domestic water)	\$	5.39	per k/gal
High-Strength Commercial			
Base Charge	\$	30.08	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?

Yes - 7.55%

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)

**Sewer Rates as on January 2022:**

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
<b>Connection Fees:</b>			
<b>Residential</b>			
	\$	275.00	includes 1 EDU
<b>Commercial</b>			
	\$	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:	-

**\*\*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

The Minden-Gardnerville Sanitation District also has a contract with Gardnerville Ranchos GID to provide sewer treatment service to the area. Gardnerville Ranchos GID bills its residents for sewer treatment service.



**Sewer Rates as on January 2022:****Sewer Service in Silver Springs provided by Lyon County****Lyon County Sewer Rates for Silver Springs:**

Monthly Rate:	
Monthly Rate	\$ 20.50 per EDU*
*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

Storey County  
Sewer Rates

DRAFT

**Sewer Rates as of July 1, 2021:**

Residential Sewer Rate:	Monthly	USDA Loan	Total Base
	Base Rate:	Repayment	Rate:
	\$ 18.60	34.28	\$ 52.88
Commercial Sewer Rate:	Monthly	USDA Loan	Total Base
	Base Rate:	Repayment	Rate:
Monthly Base Rate:	\$ 28.89	42.87	\$ 71.76
	Usage charge per k/gal		
Monthly Usage fee:	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 but on the list to add!

**AGENDA ITEM #%**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #14 – For Possible Action: Update on the Watershed Literacy Campaign and show a new draft Watershed Moment video.

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**DISCUSSION:** Staff will give an update on the Watershed Literacy Campaign and show a new draft Watershed Moment video.

**STAFF RECOMMENDATION:** Provide comments on the new draft Watershed Moment video.

## **AGENDA ITEM #15**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** BOARD OF DIRECTORS

**FROM:** EDWIN D. JAMES

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #15 – For Possible Action: Approval of the Tentative General Fund, Tentative Acquisition/Construction Fund, and Tentative Floodplain Management Fund for Fiscal Year 2022-23 Budgets

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**DISCUSSION:** On February 22, 2022, the CWSD Finance Committee reviewed the proposed Tentative Budgets for FY 2022-23. 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). Based on the discussion at the meeting, attached are the proposed tentative budgets as recommended by the Finance Committee for FY 2022-23 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 2022-23, the center column shows the adopted budget for FY 2021-22, and the right column shows the projected actual income and expenses for FY 2021-22. For the General Fund Tentative Budget, the numbers in blue are grant funds. The draft budget includes transferring \$100,000 to the Acquisition/Construction Fund and \$16,800 to the Floodplain Management 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 2022-23 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 FINANCE COMMITTEE

*DRAFT Meeting Minutes*  
February 22, 2022, 8:30am – 12:20pm

**Committee Members Present:**

David Griffith, Alpine County  
David Nelson, Douglas County (Zoom)  
Ernie Schank, Churchill County  
Lisa Schuette, Carson City  
Mike Workman, Lyon County

**Staff Present:**

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

**Others Present:**

Jim Barbee, Churchill County  
Lyndsey Boyer, Carson City  
David Bruketta, Lyon County Utilities Director  
Rob Holley, Dayton Valley Conservation District  
Lori Leonard, The Nature Conservancy  
Chris Mahannah, Churchill County

Kimra McAfee, Alpine Watershed Group  
Darcy Phillips, River Wranglers  
Christy Sullivan, Lahontan Conservation District  
Georgia Vasey, Carson City  
Rich Wilkinson, Carson Valley Conservation District

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.

**Item #2 - Public comment:** None

**Item #3 - For Possible Action: Approval of Finance Committee Minutes of May 5, 2021**

*Director Schuette made a motion to approve the minutes of the Finance Committee meeting of May 5, 2021. The motion was seconded by Director Workman and approved unanimously by the Finance Committee.*

**Item #4 - For Discussion Only: Review the Tentative General Fund FY 2022-23 Budget and hear presentations for proposed projects; Review the Tentative Acquisition/Construction Fund FY 2022-23 Budget; and Review the Tentative Floodplain Management Fund FY 2022-23 Budget**

Mr. James explained the tentative budget spreadsheets and the committee process. The committee will reach consensus on budget recommendations to be brought to full Board for action at the March 16, 2022, 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 noting it includes transferring \$100,000 to the Acquisition/Construction Fund and \$16,800 funds to the Floodplain Management Fund per earlier Board direction. The \$16,800 matches that amount of funds CWSD is receiving from Storey County.

Mr. James started by explaining the General Fund income section. The proposed county taxes are based on 4% increase over last year projections, but the official numbers from the state will not be available until March 25. He also noted that \$6,000 needed to be added to Misc. Income/Watershed Tour with the hope that the bus tour will happen next fiscal year.

Mr. James mentioned that the proposed increase in salary was based on the projected COLA increase of 4.5% and annual merit increases. Committee Member Griffith suggested the COLA be at least 5% and the committee agreed. Rent and Telephone expenses were listed in red because of the possibility of moving at the end of our lease in June. CWSD is currently looking at options. He reminded the committee that this is the tentative budget and we do not submit the final budget until May, and we can adjust the budget as needed once we have variables set.

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**

### **Carson River Projects:**

#### **Carson Valley Conservation District – Genoa River Restoration & Flood Damage Recovery - Phase 3 (Proposal #1)**

*Rich Wilkinson, Grant Manager/River Coordinator*

The Carson Valley Conservation District will attempt to restore vertical cutbanks that are approximately 1/4 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 is to use a combination of traditional rip-rap and bioengineering 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, Nevada Dream Tag, Douglas County and NDEP to complete these river restoration projects by the spring of 2023. The district already contracted both a fluvial Geomorphologist and Engineer for this area. The Geomorphological Assessment is complete along with Engineered Plans. The section 106 review, endangered species evaluations have already been completed in phase 3 for the proposed project sites.

Benefits of project include:

- Improve water quality stabilize the entire project reach
- Stabilize eroding banks
- Establish native or desirable vegetation
- Improve wildlife habitat
- Establish meander bends to dissipate hydraulic energy if feasible
- Help protect ranch irrigation infrastructure improve overall function
- Assist local agricultural producers with ability to grow food and fiber
- Keep riverbanks intact minimizing sediment deposition and impacts downstream
- Multi agency input and contribution coordinated effort to improve river conditions

**Funding request: \$210,000**

#### **Dayton Valley Conservation District – Pradere & Ricci Stabilization/Channel Maint & Riparian/Bridge Protection (Proposal #2)**

*Rob Holley, District Manager*



The requested funds intended to match other funds, and help fund the cultural assessment, engineer's survey, engineering costs and staff time required to initiate and coordinate permitting and construction of critical bank stabilization and channel maintenance at and directly upstream from the Dayton Bridge.

1. Increase the capacity of the river channel in the area adjacent to and upstream from frequently flooded areas and eroding stream banks.
2. Stabilize and protect private property, restore actively eroding banks, sequester mercury, and minimize its introduction into stream flows, and protect the mature cottonwood gallery in that area from continued loss.
3. Restore the location and function of the US Army Corp's levee to protect the Baroni diversion from continued obstruction, to reduce active sediment deposition in the river, and to prevent uncontrolled river flow from entering the Baroni ditch and adjacent private lands.
4. Restore and protect the capacity of the Dayton Bridge and remove willows, cottonwood trees and sediment at the bridge, below the confluence with Eldorado Canyon, and to a point near and below the bridge. Stabilize eroded banks at the terminus of Eldorado Canyon, left eroded by the 2017 floods.

**Funding request: \$150,000 (\$100,000 FY 2023, \$50,000 FY 2024)**

(Mr. Holley modified his funding request to \$118,000 for FY 22-23)

### **Lahontan Conservation District – Clearing & Snagging Carson River (Proposal #3)**

*Christy Sullivan, District Manager*

The project is an ongoing effort to create a river channel that is clear of obstructions and provides a free flow at natural choke points. For example, the Reno Highway Bridge has historically been clogged by debris during high water flooding events. Obstructions in these locations causes back up and overflow that moves into residential housing areas in both the county and City of Fallon. Locations where sediment caused islands changed the flow, eroded banks, or blocked flows under bridge. Removal of sediment will provide debris/obstructions to flow downstream more freely.

- Continue with a long-term monitoring program on the lower Carson River.
- Beaver and beaver dam removal to improve water flow in the channel.
- Clear brush and sediment back to original riverbank starting at Diversion Dam and continuing downstream.
- Remove sediment build-up above and below Sheckler Bridge.
- Remove sediment build-up above and below McLean Bridge.
- Remove sediment build-up above and below Highway 50 Bridge.
- Remove sediment build-up above and below Highway 95 Bridge.
- Remove sediment build-up above and below Bafford Bridge.

This project will prevent and minimize property loss and other damage during flood conditions.

Riverbank stabilization after sediment removal will minimize erosion, improve water quality, and re-establish native vegetation. Maintaining a clear channel will enable the citizens to utilize the river for recreation. Maintaining an adequate velocity of the river flow prevents stagnant pools from developing where mosquitoes can propagate and create health issues for residents along the course of the Carson River.

**Funding request: \$27,000**

### **River Wranglers- Conserve the Carson River Workdays (Proposal #4)**

*Darcy Phillips, Executive Director*

River Wranglers continues to Conserve the Carson River Workdays (CCRWD) throughout the Carson River watershed. We are thrilled to be back in the classroom and at the river with students. We plan to go into high school FFA and science classrooms to teach high school students the necessary information and skills so that they in turn can teach elementary students at the river in a combined workday. The

high school students are trained on activities that teach children about our watershed, the importance of clean water, the water cycle, and non-point source pollution. At the river, they become “mentors” to the younger students, spending the day with them, leading them through the activities. In addition to the educational stations, we partner with conservation districts to include river work projects that the students complete together. After the workdays, elementary students are visited by River Wranglers staff to do a “wrap-up,” which reinforces the messages they learned at the river. We once again discuss non-point source pollution, the geography and features of the watershed, and the importance of the river and watershed to their own lives. We do a pre- and post-test with all involved students to track their increase in knowledge about the watershed and non-point source pollution to gauge the effectiveness of our programs.

**Funding request: \$26,000**

### **Alpine County Watershed Group- Upper Carson River Watershed Programs (Proposal #5)**

*Kimra McAfee, Executive Director*

Alpine Watershed Group (AWG) seeks funding for the fiscal year 2022-23 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 21 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, 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**

## **New Projects:**

### **The Nature Conservancy – Riparian Revegetation & Streambank Stabilization (Proposal #6)**

*Lori Leonard, River Fork Ranch Preserve Manager*

TNC is looking for effective cost-effective methods to use native plant materials to stabilize streambanks, create wildlife habitat, and improve ecological diversity and floodplain resiliency at The Nature Conservancy’s 805-acre River Fork Ranch Preserve. The goal of the proposal is to reduce nonpoint source pollution from agriculture and irrigation in the Carson Valley. This project aims to experiment with cost-effective streambank restoration options, using native willows, cottonwood trees, and native shrubs along river, stream, and irrigation ditch banks to improve and enhance streambank stabilization, reduce sediment, and improve water quality.

**Funding request: \$25,142**

### **Carson City Parks, Recreation & Open Space – Carson River Pollinator Gardens (Proposal #7)**

*Georgia Vasey, Senior Natural Resource Specialist*

Pollinators are vital species in Nevada, supporting healthy watersheds, ecosystem diversity, and invaluable food production. Yet, over the years many pollinators have been in decline due to habitat loss. For pollinators to thrive, they need ample pollen and nectar from established native wildflowers and grasses, water for drinking and reproduction, and bare ground and available nesting materials for shelter. In addition, having connected natural areas provides a wildlife corridor for pollinators to breed among different populations to ensure genetic diversity and stability. The riparian habitat along the Carson River in Carson City is a perfect location to augment pollinator habitat by having five miles of contiguous protected natural areas free from development and within close proximity to year-round

water supply. The gardens will be strategically located in areas that are highly accessible to the public, with the goal to educate about pollinator importance using new interpretive panels, building nesting sites like bee hotels, and engaging community members in stewarding the gardens through planting and weeding programs.

- In the fall 2022, plant approximately 1,100 plants in four pollinator gardens along the Carson River using volunteer support during organized planting events. Each garden will have 200-300 plants.
- Install two interpretive panels on pollinators at Carson River Park and Riverview Park.
- Install at least one bee hotel in one of the pollinator gardens.
- Install bat boxes on poles throughout the river corridor.
- Lead weeding volunteer programs in the spring 2023 to reduce noxious and nuisance weed competition within pollinator gardens.

**Funding request: \$7,200**

### **Churchill County – Dixie Valley Water Level Meas & Precip Gage Monitoring (Proposal #8)**

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

Churchill County's Water Resource Plans have identified Dixie Valley as a potential long-term underground supply for Quasi-municipal purposes in the Lahontan Valley. This would involve a groundwater importation project which would represent the only supply to Lahontan Valley totally independent of the highly litigated and contested waters of the Truckee and Carson River watersheds and associated underground aquifers. Churchill County currently has the senior most priority pending applications before the State Engineer dating from the mid-1980's to appropriate all remaining underground waters in Dixie Valley for export to the Lahontan Valley.

This project is technically and environmentally sound and will assist the water users, managers, hydrologists and public in understanding climate, water issues and the status of their aquifers. It will help identify potential areas where discharge exceeds recharge and aquifer storage change. The project has regional benefits to the Carson River watershed in that it is supporting data collection efforts for an importation project, which if constructed, would lessen the demand on the over allocated and contested waters of the Truckee and Carson River watersheds. There also exists the possibility of resource trading in the Carson watershed if the importation project were implemented, however this would require additional consideration of feasibility and investigation of possible legal/physical constraints that would need to be overcome. The project also has a larger regional benefit for the west-central portion of Nevada in helping define high altitude precipitation distributions with site specific data where virtually none exists now, and reliance is currently on models such as PRISM.

The ongoing funding request is for an additional three-year term through FY24/25; however, it is anticipated for this program to be successful as a long-term management tool, it be continued as an ongoing effort.

**3-Year Funding request: FY22/23: \$23,000; FY23/24: \$23,000; FY24/25: \$25,000**

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

### **Lyon County – Highway 50 Utility Right-of- Way Project – Funding Request Extension**

*David Bruketta, Lyon County Utilities Director*

Lyon County is requesting a two-year extension of the funding for the Highway 50 Utility Right-of-Way Project (CWSD Interlocal Contract #2020-10) that expires June 30, 2022. Vidler Water Company has provided in-kind engineering to identify a possible route. The land crossed is a combination of NDOT, Private, Public, and BLM property. A section of the route runs through BLM property that is unavoidable. Vidler submitted the Plan of Development in May 2021 and is awaiting processing.

According to the latest from BLM, a response is not expected until Fall 2022. Vidler continues to work on the project. The original funding amount was \$125,000 and it is estimated that only \$25,000 will be spent this current fiscal year. The contract ends June 30, 2022, and Lyon County would like to extend the contract for 3-years with an end date of June 25, 2025, to complete the project.

*No action was taken.*

**Item #5 - For Possible Action: Make recommendations for the Tentative General Fund, Acquisition/Construction Fund, and Floodplain Management Fund FY 2022-23 Budgets**

Based on further discussion and consideration, the committee proposed the following recommendations to the Board. The Committee recommended not funding the project Carson River Pollinator Gardens. The Finance Committee consensus was this project was outside of our mission and funding guidelines, but the committee recommended that additional \$4,000 be given to the RW program with could facilitate the pollinator garden.

The Committee recommended funding these projects in amounts listed:

- Carson Valley Conservation District – Genoa River Restoration & Flood Damage **\$210,000**
- Dayton Valley Conservation District – Stabilization/Dayton Bridge **\$118,000**
- Lahontan Conservation District – Clearing & Snagging **\$27,000**
- River Wranglers- Conserve the Carson River Workdays **\$30,000**
- Alpine County Watershed Group- Upper Carson River Watershed Programs **\$30,000**
- The Nature Conservancy - Riparian Revegetation & Streambank Stabilization **\$25,142**
- Churchill County – Dixie Valley Water Level Meas & Precip Gage Monitoring **\$23,000**

*Committee Member Griffith made a motion that the Finance Committee recommend the Tentative Budget for the General Fund be approved to include funding the projects as note above, extending the Right of Way Project to June 30, 2025, adding \$5,000 to AWG project, adding \$4,000 to RW project, and adding \$10,000 for Weed Abatement Program in Storey County. Director Workman seconded the motion which was unanimously approved by the Finance Committee.*

*Committee Member Griffith made a motion that the Finance Committee recommend the Tentative Budget for the Acquisition/Construction Fund be approved as presented. Director Workman seconded the motion which was unanimously approved by the Finance Committee.*

*Director Hindle made a motion that the Finance Committee recommend the Tentative Budget for the Floodplain Management Fund be approved as presented. Director Schuette seconded the motion which was unanimously approved by the Finance Committee.*

**Item #6 - Public comment:**

Mr. James did want to note that he had received a letter from DVCD that they would like a time extension for their current funding. This would just be an addendum to their contract.

The meeting adjourned at 12:20pm.

Respectfully submitted,  
*Catrina Schambra*  
Secretary to the Board

**CARSON WATER SUBCONSERVANCY DISTRICT  
FLOODPLAIN MANAGEMENT FUND  
FY 2022-23 Tentative Budget**

FLOODPLAIN MANAGEMENT FUND	Proposed	Adopted	Projected	Notes
	Tentative	Final	Actual	
	Budget	Budget		
	Jul '22- Jun '23	Jul '21- Jun '22	Jul '21- Jun '22	
<b>Ordinary Income/Expense</b>				
Income				
5032-01 - Interest Inc - Inv. Pool	783.50	1,164.19	440.00	Based on 0.25%
<b>Total Income</b>	783.50	1,164.19	440.00	
Expense				
7203-03 Floodplain Planning	300,000.00	300,000.00	0.00	
TCID Flood Project	0.00	0.00	35,000.00	
<b>Total Expense</b>	300,000.00	300,000.00	35,000.00	
<b>Net Ordinary Income</b>	-299,216.50	-298,835.81	-34,560.00	
<b>Other Income/Expense</b>				
Other Income				
8000-01 - Beginning Equity	313,400.00	332,627.00	331,869.00	*
8001-01 - Transfer In-General Fund	16,800.00	0.00	16,091.00	
<b>Total Other Income</b>	330,200.00	332,627.00	347,960.00	
<b>Ending Equity</b>	30,983.50	33,791.19	313,400.00	

\* Based on the 2020-21 Audit

**CARSON WATER SUBCONSERVANCY DISTRICT  
ACQUISITION/CONSTRUCTION FUND  
2022-23 Tentative Budget**

<b>ACQUISITION/CONSTRUCTION FUND</b>	Proposed Tentative Budget	Approved Final Budget	Projected Actual
	<b>Jul '22 - Jun '23</b>	<b>Jul '21 - Jun '22</b>	<b>Jul '21 - Jun '22</b>
<b>Ordinary Income/Expense</b>			
Income			
5032-01 · Interest Inc - Inv. Pool	2,476.15	2,790.67	1,160.00
<b>Total Income</b>	<b>2,476.15</b>	<b>2,790.67</b>	<b>1,160.00</b>
Expense			
Upstream Storage Evaluation	0.00	0.00	0.00
Right-A-Way Lyon County Utility to Silver Springs	100,000.00	25,000.00	25,000.00
Proposed USBR Regional Watershed Management Plan	0.00	25,000.00	20,805.00
Construction Projects	800,000.00	800,000.00	0.00
<b>Total Expense</b>	<b>900,000.00</b>	<b>850,000.00</b>	<b>45,805.00</b>
<b>Net Ordinary Income</b>	<b>-897,523.86</b>	<b>-847,209.33</b>	<b>-44,645.00</b>
<b>Other Income/Expense</b>			
Other Income			
8000-01 · Beginning Equity	<b>990,458.00</b>	<b>797,333.00</b>	<b>930,103.00 *</b>
8001-01 · Transfer In-General Fund	100,000.00	105,000.00	105,000.00
<b>Total Other Income</b>	<b>1,090,458.00</b>	<b>902,333.00</b>	<b>1,035,103.00</b>
* Based on 2020-21 Audit			
<b>Ending Equity</b>	<b>192,934.15</b>	<b>55,123.67</b>	<b>990,458.00</b>

# CARSON WATER SUBCONSERVANCY DISTRICT

## Tentative General Fund

	Proposed Tentative Budget	Approved Final Budget	Projected Actual	Notes
	Jul '22 - Jun '23	Jul '21 - Jun '22	Jul '21 - Jun '22	
Income				
5007-00 · Storey County Ad Valorem	16,734.64	0.00	16,091.00	based on 4.0 %
5008-00 · Alpine County	11,880.03	10,897.74	11,423.11	error in the budget
5009-00 · Churchill County Ad Valorem	233,980.94	224,981.67	224,981.67	based on 4.0 %
5010-00 · Lyon County Ad Valorem	208,252.11	200,242.41	200,242.41	based on 4.0 %
5011-00 · Douglas County Ad Valorem	677,029.27	650,989.68	650,989.68	based on 4.0 %
5012-00 · Carson City Ad Valorem	494,493.16	477,771.17	477,771.17	based on 4.0 %
5022-00 · Mud Lake Water Lease	58,000.00	55,500.00	55,000.00	
5023-00 · Lost Lake Water Lease	0.00	0.00	0.00	
5031-00 · Interest Income - St Pool Reg	1,749.17	2,025.41	1,000.00	0.25%
5050-13 · Watershed Coord Grant IV 19-22	8,175.00	86,925.00	91,231.00	Grant
5050-13 · Watershed Coord Grant V 2022	70,166.00	0.00	49,554.00	Grant
5050-07 ·CRC Donation	0.00	0.00	0.00	
Aquatic Trail Grant	50,460.00	85,000.00	6,950.00	Grant
NDEM - USBR WaterSmart Grant	0.00	0.00	0.00	Grant
5058-04 ·208 Water Quality AG	18,620.00	0.00	9,950.00	Grant
5060-00 · Misc. Income / Watershed Tour	6,000.00	6,000.00	0.00	
5082-00 · CASGEM	800.00	400.00	1,600.00	Grant
5083-00 · Alpine Co Mesa GW Study	800.00	300.00	1,600.00	Grant
6005-00 · FEMA - MAS # 10	0.00	85,486.00	141,325.00	Grant
6006-00 · FEMA - MAS # 11	72,494.00	417,395.00	445,915.00	Grant
FEMA MAS 12	569,560.00	0.00	141,904.00	Grant
FEMA MAS 13	0.00	0.00	0.00	Grant
Total Income	2,482,459.67	2,303,914.08	2,511,437.04	
Expense				
ADMINISTRATIVE EXPENSES:				Notes
7015-00 · Salaries & Wages	506,147.00	422,280.00	452,780.00	
7020-00 · Employee Benefits	186,220.00	179,170.00	172,000.00	
7021-00 · Workers Comp Ins.	1,200.00	2,300.00	970.00	
7101-00 · Director's Fees	18,000.00	16,000.00	14,000.00	
7102-00 · Insurance	5,400.00	5,100.00	5,106.00	
7103-00 · Office Supplies	3,200.00	2,000.00	3,200.00	
7104-00 · Postage	1,500.00	1,250.00	1,400.00	
7105-00 · Rent	39,300.00	38,885.00	38,880.00	
7106-00 · Telephone	10,000.00	6,400.00	7,000.00	
7107-00 · Travel-transport/meals/lodging	16,000.00	16,000.00	14,000.00	
7108-00 · Dues & Publications	1,200.00	1,400.00	1,200.00	
7109-00 · Miscellaneous Expense	1,000.00	1,000.00	1,000.00	
7110-00 · Seminars & Education	1,700.00	1,500.00	1,200.00	
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	14,100.00	
7116-00 · Legal	30,000.00	32,000.00	24,000.00	
Subtotal-Administrative Expenses	840,717.00	745,135.00	753,886.00	

# CARSON WATER SUBCONSERVANCY DISTRICT

## General Fund

Multi Year, Studies, and Grants	Proposed	Revised	Projected	Notes
	Tentative	Final	Actual	
	Budget	Budget		
PROJECTS:	Jul '22 - Jun '23	Jul '21 - Jun '22	Jul '21 - Jun '22	
7114-00 · Professional Outside Services	30,000.00	30,000.00	30,000.00	
7117-00 · Lost Lakes Expenses	14,700.00	14,000.00	14,000.00	
7118-00 · Mud Lake O & M	1,400.00	1,250.00	1,250.00	
7120-00 · Integrated Watershed Plan	0.00		0.00	
7120-07 · Watershed Tour	7,000.00	6,000.00	0.00	
7120-33 Watershed Coord Grant IV 19-21	8,175.00	28,800.00	31,884.00	Grant
7120-33 Watershed Coord Match IV 19-21	0.00	16,608.00	210.98	Grant
7120-41 Watershed Coord Grant V 2022	16,765.00	0.00	11,550.00	Grant
7120-42 Watershed Coord Match V 2022	1,312.00	0.00	1,000.00	Grant
7404-00 · Noxious Weeds Control	85,000.00	75,000.00	75,000.00	
7406-00 · 208 Planning - AG Runoff	2,200.00	0.00	100.00	Grant
7433-10 · State Park Aquatic Trail	22,660.00	80,000.00	0.00	Grant
7439-00 · FEMA MAS #10	0.00	68,905.00	123,934.00	Grant
7440-00 · FEMA MAS #11	38,525.00	384,995.00	424,980.00	Grant
7441-00 · FEMA MAS #12	526,350.00	0.00	106,726.00	Grant
7442-00 · FEMA MAS #13	0.00	0.00	0.00	Grant
7500-00 · USGS Stream Gage Contracts	81,089.00	77,022.00	77,022.00	
7508-03 · USGS Do. Co. & Lyon Co GW Collection	17,580.00	16,800.00	16,800.00	
7524-01 · USGS GW level & WQ Churchill Co.	4,921.33	5,930.00	3,133.17	
7526-01 · USGS Middle Carson Groundwater	15,250.00	\$ 15,250.0	\$ 15,250.0	
7529-01 · USGS Water Resources 2022-2024	44,375.00	\$ -	0.00	
NDEM - USBR WaterSmart Grant	0.00	\$ -	0.00	Grant
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	
<b>Subtotal Multi Year &amp; On-going Projects</b>	<b>1,167,302.33</b>	<b>1,070,560.00</b>	<b>1,182,840.15</b>	

## Counties and River Projects

	Notes		
7215-00 · Sierra NV Journeys - Family Night	0.00	3,279.00	3,279.00
7332-00 · Carson River Work Days	0.00	36,000.00	30,000.00
7337-00 · Carson River Restoration			0.00
7337-25 · CVCD Bioengineering 2021-22	0.00	75,000.00	75,000.00
7337-26 · CVCD West Fork Bank Stab 2021-22	0.00	100,000.00	100,000.00
7337-34 · DVCD Bank Stab & Dayton Bridge	45,000.00	100,000.00	55,000.00
7337-04 · LCD Clearing & Sand Bar Removal	0.00	25,000.00	25,000.00
7600-05 · Alpine Co. Watershed Group.	0.00	25,000.00	25,000.00
7600-09 · CASGEM	5.00	5.00	5.00
7600-10 · Mesa GW Measurement Project	2.00	2.00	2.00
7640-20 · Lahontan Valley WTR Level 2021-2024	14,500.00	14,500.00	14,500.00
7640-18 · Dixie Valley WTR LVL measurement	0.00	23,000.00	23,000.00
7640-19 TCID Carson Diversion Dam Gate	0.00	50,000.00	50,000.00
<b>Subtotal Carson River Projects</b>	<b>59,507.00</b>	<b>451,786.00</b>	<b>400,786.00</b>

Carryover



\*+\*

## CARSON WATER SUBCONSERVANCY DISTRICT General Fund

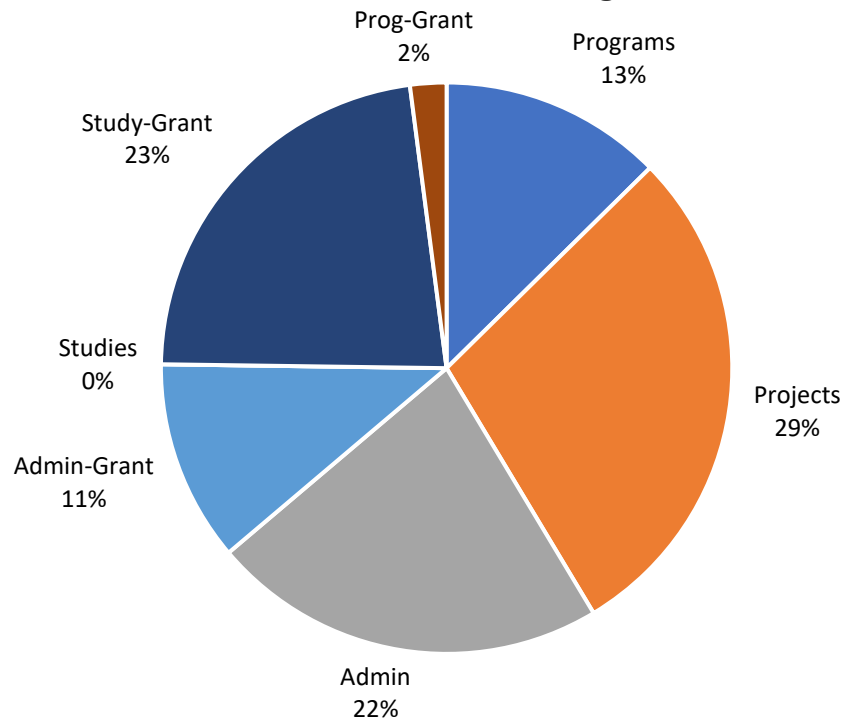
### New Projects

	Recommendation	Proposed to		Notes
	Fin Committee	Fin Comm		
7337-26 - CVCD West Fork Bank Stab 2021-22	\$ 210,000	\$ 210,000		
7640-18 - Dixie Valley WTR Lvl. measurement	\$ 23,000	\$ 23,000		
7332-00 - Carson River Work Days	\$ 30,000	\$ 26,000		
7337-34 - DVCD Bank Stab & Dayton Bridge	\$ 118,000	\$ 118,000		
7337-04 - LCD Clearing & Sand Bar Removal	\$ 27,000	\$ 27,000		
7600-05 - Alpine Co. Watershed Group.	\$ 30,000	\$ 25,000		
Carson City Pollinator Gardens	\$ -	\$ 7,200		
TNC Riparian Reveg & bank Stabilization	\$ 25,142	\$ 25,142		
				Fed 2021-22    Fed 2022-23
				886,829.00    781,300.00
Total Expenses for New Projects	463,142.00	0.00	0.00	
Total Expenditures	2,530,668.33	2,267,481.00	2,337,512.15	
Net Ordinary Income	-48,208.66	36,433.08	173,924.89	
Other Income/ Other Income				
Beginning Equity	699,666.89	578,688.35	646,833.00	*
Transfer from Acqu./Const. Fd to Gen Fd.	0.00	0.00	0.00	
	699,666.89	578,688.35	646,833.00	
Total Other Inc/Other Expenses				
8008-00 - Preliminary Planning	400,000.00	400,000.00	0.00	
Transfer from Gen. Fd. to Floodplain Fd.	16,800.00	0.00	16,091.00	
Transfer from Gen. Fd. to Acqu./Const. Fd.	100,000.00	105,000.00	105,000.00	
Total Other Expenses	516,800.00	505,000.00	121,091.00	
Net Other Income	182,866.89	73,688.35	525,742.00	
ENDING BALANCE	134,658.23	110,121.43	699,666.89	

\* Based on the 2020-21 Audit  
4 percent of expenditures

\$ 117,226.73

FY 2022-23  
Tentative General Budget



**AGENDA ITEM #%**

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #16 – For Possible Action: Update on the USACE determination that the Carson River is a navigable water of the United States pursuant to the Rivers and Harbors Act and review the water diversions map

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**DISCUSSION:** On March 24, 2022, CWSD will conduct another workshop regarding the permitting requirements for the Carson River Watershed. The workshop will review the General Permit requirements. Staff will also show the map that has been developed that shows all the diversions structures located on the Carson River.

**STAFF RECOMMENDATION:** Provide direction if needed.

**AGENDA ITEM #%**

# CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 17, 2022

**SUBJECT:** Agenda Item #17 – For Possible Action: Update on the Carson River Coalition Watershed Forum March 29 – 30 at Governor's Mansion

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**DISCUSSION:** The 2022 Carson River Watershed forum will be an in-person event held in the Ruvo Stateroom at the Governor's Mansion, in Carson City. This year's forum will be a free 2-day event, Tuesday, March 29<sup>th</sup> - Wednesday, March 30<sup>th</sup>. The forum will run from 9:00am to 4:30pm, with doors open at 8:30am. Presentations will be available online following the event. Lunch will be provided.

Topics include Water Quality - River Rehabilitation - Climate Environmental Planning and Education - Water Supply - Noxious Weeds - Trails and Recreation - Flood Prevention

DRAFT – Forum Program – Not all Speakers Confirmed.

## Tuesday, March 29<sup>th</sup> 2022

Start	End	Duration	Speaker	Topic
9:00	- 9:05	5min	Ed James	Welcome
9:05	- 9:15	10 min		Forum Opening
9:15	- 9:30	15min	Shane Fryer	Overview of Working Groups (Ag, Weed, Ed)
9:30	- 10:10	40min	Brenda Hunt	I am Carson River Watershed Campaign
<b>10:10</b>	<b>- 10:30</b>	<b>20min</b>		<b>Break 20 mins</b>
10:30	- 11:00	30min	Georgia Vasey	Milfoil, CC Weeds Georgia Vasey
11:00	- 11:45	45min	Lyndsey B & Gregg B	Carson City Parks Rec Open Space
11:45	- 12:30	45min	Chuck Schembre	Soil Health and Water Quality Slake Test Demo
<b>12:30</b>	<b>- 1:30</b>	<b>1 hr.</b>	<b>Lady Tamales</b>	<b>Lunch</b>
1:30	- 2:00	30min	Chris Smallcomb	NOAA Season Outlook Forecast
2:00	- 2:30	30min	Jon Benedict	Perennial Yield Ground Water
2:30	- 3:00	30min	Nick Charles	Water Availability Trends
<b>3:00</b>	<b>- 3:20</b>	<b>20min</b>		<b>Break 20 mins</b>
3:20	- 3:50	30min	Ramon Naranjo	Ground Water Quality
3:50	- 4:30	40mins	MP & CVTA	Trails and Rec

**Wednesday, March 30th 2022**

Start	End	Duration	Speaker	Topic
9:00	- 9:05	5min	Brenda Hunt	Welcome
9:05	- 9:15	10 min		Forum Opening 2nd Day
9:15	- 9:30	15min	Ed J and Neddenriep	Overview of Working Groups (Floodplain and Water Purveyor)
9:30	- 10:00	30min	Kimra McAfee	Updates on Alpine Restoration Projects
<b>10:00</b>	<b>- 10:30</b>	<b>30min</b>		<b>Break 20 mins</b>
10:30	- 11:00	30min	Julie Fair	Faith Valley Restoration
11:00	- 11:30	30min	Rich Wilkinson	Carson Valley River Rehabilitation
11:30	- 12:00	30min	Brandon Bishop	Nevada Conservation & Recreation Fund
<b>12:00</b>	<b>- 1:00</b>	<b>1 hr</b>	<b>Lady Tamales</b>	<b>Lunch</b>
1:00	- 1:30	30min	Mitchell Blum	Churchill Floodplain Mapping
1:30	- 2:00	30min	Polly Boardman	Web Access System Demo, ADMPs
2:00	- 2:30	30min	Freyja Knapp, Ph.D.	US EPA Region 9 - Leviathan
2:30	- 2:35	5min		Survey
<b>2:35</b>	<b>- 2:55</b>	<b>20min</b>		<b>Break 20 mins</b>
2:55	- 3:25	30min	Birgit Widegren	NRCS/NDEP NWQI project
3:25	- 3:55	30min	Courtney Walker	LID Westwood Neighborhood
3:55	4:00	5min	Brenda Hunt	Closing

**STAFF RECOMMENDATION:** Receive and file.

**AGENDA ITEM #%**



## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** Board of Directors

**FROM:** Edwin James

**DATE:** March 16, 2022

**SUBJECT:** Agenda Item #18 – For Discussion Only: Update on the 2022 Water Year

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**DISCUSSION:** Staff will give an update on the 2022 Water Year.

**STAFF RECOMMENDATION:** Receive and file.

# STAFF REPORT

## CARSON WATER SUBCONSERVANCY DISTRICT

**TO:** BOARD OF DIRECTORS  
**FROM:** EDWIN D. JAMES  
**DATE:** March 16, 2022  
**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 16, 2022:

2/17/22 – Debbie attended ASFPM Arid Regions Committee meeting  
2/22/22 – Ed & Catrina hosted Finance Committee meeting  
2/23/22 – Ed attended NWRA Board of Directors meeting  
2/24/22 – Brenda & Shane met with Carson City re: CRMP update discussion  
2/24/22 – Debbie attended National Policy Briefing by Association of National Floodplain Managers  
3/1/22 – Ed attended NWRA 2022 Annual Conference Debrief/2023 Conference Brainstorm session  
3/1/22 – Brenda, Shane & Kaylee film day for Healthy Soil PSA  
3/1/22 – Ed attended Perennial Yield Webinar  
3/2/22 – Holly attended FEMA Non-Disaster Grant Zoom Training Session  
3/2/22 – Ed met with Mark Gookin from Terraphase  
3/2/22 – Ed met with Nick Charles to discuss the Carson River Water Supply Webinar  
3/2/22 – Ed attended NDWR Drought Working Group meeting  
3/8/22 – Ed attended CTWCD Board meeting  
3/8/22 – Brenda, Shane & Kaylee attended AWG meeting re: Ranching for WF Vision Plan  
3/10/22 – Ed met with Douglas County & USGS to discuss study progress  
3/15/22 – Ed attended Carson Watershed & How it is Changing Webinar

**STAFF RECOMMENDATION:** Receive and file.

# **CORRESPONDENCE**

## OBITUARY



### **James Lanier Baushke** **August 19, 1939 – February 15, 2022**

James was born in Benton Harbor, Michigan. He graduated from Benton Harbor Senior High School in 1957, went on to earn a Bachelor of Science Degree in Civil Engineering from Michigan Technological University in 1961, and a Master of Science Degree from the University of Pittsburg in 1966.

James was commissioned a Second Lieutenant from Air Force ROTC in 1961 and served a 25-year career in Air Force Civil Engineering and Systems Acquisition with tours of duty in Vietnam, Korea, the Pentagon, and Germany retiring with the rank of Colonel. Among his decorations are the Bronze Star, the Defense Meritorious Service Medal, the Air Force Commendation Medal, and the Republic of Korea Defense Commendation Medal. He was one of the youngest recipients of the Newman Medal awarded by the society of American Military Engineers.

After retiring from active duty, James worked for Jacob's Engineering in Pasadena, California and the Claremont College's Physical Plant Dept. in Claremont, California.

James, and his wife Donna, moved to Gardnerville, Nevada, in May 2000 where they joined the Saint Gall Catholic Parish. James became a Fourth Degree Knight in the local Knights of Columbus at St. Gall. He helped with numerous charitable endeavors and held several offices including Comptroller of Assembly 2777.

James served on the Douglas County Board of Commissioners from 2003 to 2008. During his tenure he represented the county on numerous State and Local Boards including the Carson Water Sub conservancy district and the Nevada Association of Counties (NACO) of which he was President in the year 2007.

He was also a member of the Douglas County Composite Squadron of the Civil Air Patrol at Minden Airport. He had held positions of Commander, Mission Pilot, Aircrew Training Officer, and Personnel Officer. James was a Private Pilot with Instrument Rating and accumulated over 2300 hours of flying time.

James is survived by his wife Donna, Lynn Marie Weddle, Kathleen Ann Baushke, Michael James Baushke, and Christopher Saikevich.

**A celebration of life will be held at St. Gall Catholic Church on April 2, 2022, at 11 a.m.**