

**CARSON WATER SUBCONSERVANCY DISTRICT  
BOARD OF DIRECTORS**

**NOTICE OF PUBLIC MEETING**

**DATE:** March 15, 2017  
**TIME:** 6:30 P.M.  
**LOCATION:** First United Methodist Church  
Wesley Room  
412 W. Musser St.  
Carson City, NV

**AGENDA**

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**Please Note:** The CWSD Board may 1) take agenda items out of order; 2) combine two or more items for consideration; or 3) remove an item from the agenda or delay discussion related to an item at any time. Reasonable efforts will be made to assist and accommodate individuals with disabilities who wish to attend the meeting. Please contact Toni Leffler at (775)887-7450 (<mailto:toni@cwsd.org>), at least a week in advance so that arrangements can be made.

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1. Call to Order
2. Convene CWSD/Alpine County Joint Powers Board
3. Roll Call
4. Pledge of Allegiance
5. Approval of Agenda (For Possible Action)
6. Approval of the Board Meeting Minutes from February 15, 2017. (For Possible Action)
7. Public Comment (Discussion Only) Action may not be taken on any matter brought up under public comment until scheduled on an agenda for action at a later meeting.

**CONSENT AGENDA**

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**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.

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8. Approval of Treasurer's Reports for February 2017. (For Possible Action)
9. Payment of Bills for February 2017. (For Possible Action)

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

10. Discussion for possible action regarding the award of the 2017 CWSD Andy Aldax Award for Exemplary Service in Conservation and Protection of the Carson River Watershed to Juan Guzman. (For Possible Action)
11. Discussion for possible action regarding a presentation by Kimley-Horn on the Ramsey Canyon Study. (Discussion only)
12. Discussion regarding an update on the Mercury Site Tour and workshop and the CRC Forum on February 21-22, 2017. (Discussion only)
13. Discussion regarding an update on the Carson River Stewardship Plan. (Discussion only)
14. Discussion for possible action regarding various bills that CWSD may want to support, oppose, or monitor during the 2017 Legislative Committee. (For Possible Action)
15. Discussion for possible action regarding approval of the Tentative FY 2017-18 Budget for the General, Acquisition/Construction, and Floodplain Management Funds. (For Possible Action)
16. Discussion for possible action regarding funding for flood avoidance and damage. (For Possible Action)

### 3/15/17 CWSD Board Meeting Agenda

17. Discussion for possible action regarding the runoff prediction for 2017. (Discussion only).
18. Staff Reports - General Manager
  - Legal
  - Correspondence
19. Directors Reports
20. Public Comment (Discussion Only) Action may not be taken on any matter brought up under public comment until scheduled on an agenda for action at a later meeting.
21. Adjournment

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Supporting material for this meeting may be requested from Toni Leffler at 775-887-7450 (<mailto:toni@cwsd.org>) and is available at the CWSD offices at 777 E. William St., #110A, Carson City, NV 89701 and on the CWSD website at [www.cwsd.org](http://www.cwsd.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

### AFFIDAVIT OF POSTING

The undersigned affirms that on or before 9:00 A.M. on March 9, 2017, he/she posted a copy of the Notice of Public Meeting and Agenda for the March 15, 2017, regular meeting of the Carson Water Subconservancy District in accordance with NRS 241.020; said agenda was posted at the following location: \_\_\_\_\_.

\_\_\_\_\_  
SIGNATURE

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

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

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

**AGENDA ITEM #6  
MINUTES OF LAST  
BOARD MEETING**

CARSON WATER SUBCONSERVANCY DISTRICT  
BOARD OF DIRECTORS MEETING

February 15, 2017, 6:30 P.M.

*DRAFT* Minutes

Directors present:

Karen Abowd, Chairman  
Brad Bonkowski  
Ken Gray  
David Griffith  
Don Jardine, Treasurer  
Austin Osborne, Storey County representative  
Barry Penzel  
Chuck Roberts  
Ernie Schank  
Steve Thaler

Directors not present:

Carl Erquiaga, Vice Chairman  
Don Frensdorff  
Doug Johnson  
Fred Stodieck

Staff present:

George Benesch, Legal Counsel  
Brenda Hunt, Watershed Program Manager  
Edwin James, General Manager  
Toni Leffler, Administrative Assistant/Secretary to the Board

Also present: None

Chairman Abowd called the meeting to order at 6:30 p.m. in the Wesley Room of the First United Methodist Church, 412 W. Musser St., Carson City, NV. The CWSD/Alpine County Joint Powers Board was convened. Roll call was taken and a quorum was determined to be present. The Pledge of Allegiance was led by Director Roberts.

Item #5 - Approval of Agenda. *Director Bonkowski made the motion to approve the agenda. The motion was seconded by Director Jardine and unanimously approved by the Board.*

Item #6 - Approval of the Board Meeting Minutes from January 18, 2017. *Director Penzel made the motion to approve the Minutes of the Board Meeting on January 18, 2017. The motion was seconded by Director Bonkowski and unanimously approved by the Board, with Directors Gray and Griffith abstaining for not having been at that meeting.*



Item #7 - Public Comment – Director Abowd invited new Directors Gray and Griffith to introduce themselves, and each gave some background information about themselves.

## CONSENT AGENDA

Item #8 - Approval of Treasurer's Report for January 2017. -

Item #9 - Payment of Bills for January 2017.

Item #10 – Discussion for possible action to dispose of the old CWSD fax machine.

*Director Bonkowski made the motion to approve the consent agenda, including items #8-10. The motion was seconded by Director Thaler and unanimously approved by the Board.*

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

Item #11 – Discussion for possible action regarding the selection of Cardno, Inc. to conduct the Restudy and Remapping of Voltaire Canyon Floodplain in Carson City. Ed James explained that CWSD received funding from FEMA as a Cooperating Technical Partner (CTP). This project is to do restudy and remapping of Voltaire Canyon Floodplain. CWSD, as the CTP, administers the grant, but the individual counties do the projects. FEMA pays for 100% of the projects, including administration costs. Staff sent out a Request for Qualifications (RFQ), which was reviewed by CWSD and Carson City, and Cardno was selected as the firm to conduct the study. Director Griffith asked where this canyon is. Mr. James explained that it is just north of Hwy. 50 going from Carson City to Lake Tahoe.

*Director Penzel made the motion to hire Cardno, Inc. to conduct the Restudy and Remapping of Voltaire Canyon Floodplain in Carson City. The motion was seconded by Director Bonkowski and unanimously approved by the Board.*

Item #12 – Discussion for possible action regarding the selection of Orangetree Studios to produce the “Floodplains as a Community Asset” videos and to update the CWSD overview videos. Brenda Hunt explained that as part of our FEMA MAS #5 grant, four “Floodplains as a Community Asset” videos will be produced: 1) a 30-second Public Service Announcement (PSA) for the community, 2) a two-minute video for developers, 3) a two-minute video for policy makers/public officials, and 4) a two-minute video for agricultural producers. Also, the CWSD overview video will be updated for \$5,950, which is a match for the grant from NDEP for outreach. Four proposals were received, but Orangetree was the most qualified. Staff met with Orangetree Studios in Reno, and NDEP also recommended them.

Director Osborne asked if these can be used as TV commercials. Mr. James responded that the 30-second PSA will be used on TV. Director Osborne asked if this video could also be donated to the high school and suggested showing them in local theaters. Director Abowd suggested that the theater be contacted for government PSA accommodations.

Director Penzel asked what politicians video is for. Ms. Hunt explained each type of video and how it would be used. Director Penzel wanted to be sure the videos were effective for their audiences. Director Bonkowski noted that these came out of the survey done last year. Ms. Hunt pointed out several locations that the videos can be used: website, schools, etc.

Director Schank joined the meeting at 6:45 pm,

*Director Bonkowski made the motion to hire Orangetree Studios to produce the “floodplains as a Community Asset” videos for an amount not to exceed \$24,000 and to update the CWSD overview video for an amount not to exceed \$5,950. The motion was seconded by Director Thaler and unanimously approved by the Board.*

Item #13 - Discussion for possible action regarding various bills that CWSD may want to support, oppose, or monitor during the 2017 Legislative Session. Mr. James explained that Susan Joseph-Taylor, Deputy Administrator for the Nevada Division of Natural Resources, also attended the Legislative Committee meeting. Ms. Joseph-Taylor noted that there are more water bills this year than at past legislative sessions. Mr. James mentioned that CWSD staff will be working to educate legislators. There are also some non-water bills effecting the Open Meeting Law, property tax, etc., which CWSD is watching.

Director Abowd noted that Ms. Joseph-Taylor mentioned the misinformation circulating in the communities (ex., domestic well metering). Mr. James will go to public meetings to help educate the public. Mr. Benesch mentioned a group at Pahrump who prides themselves in spreading misinformation to create a doubt. Director Thaler mentioned that Mary Walker said the Clearing and Snagging Account bill is being introduced this session. Mr. James noted that it would be in the full amount of \$250,000. We are working with the State Engineer and NDEP to make sure projects are done right. Director Griffith commented on the rumor that the government is going to take well water; he has been contacted in the Mesa area by people concerned with the rumors.

*Director Schank made the motion to authorize staff to participate in the 2017 Legislation Session and provide monthly updates to the CWSD Board. The motion was seconded by Director Gray and unanimously approved.*

Item #14 – Discussion for possible action for scheduling a CWSD Strategic Planning Meeting. Mr. James explained that staff tries to schedule a Strategic Planning meeting every two years. We are hoping to have one in March which would take about four hours. Toni Leffler will be sending out a Doodle poll to get availability dates.

*No action was required on this item; receive and file.*

Item #15 - Discussion for possible action regarding an update on the flooding recovery. Mr. James provided some pictures of recent flooding. Nevada declared a State of Emergency. FEMA came out and looked at flooding in the different counties. Nevada received more than the minimum amount of damage to qualify for FEMA funds, but the President still must declare the

flooding a Federal Disaster. Mr. James has suggested that everyone keep track of their bills and time for repairing flood control structures in case the costs can be submitted for reimbursement.

Mr. James reported that he had a good meeting with representatives from the US Army Corps of Engineer and State Lands and went to Tom Minor's ranch to view the damage. The bank can be repaired right away with State Lands' approval. We need to work with SHPO to determine what historic things they are looking for.

Director Jardine asked if Alpine County will qualify for FEMA funding. Director Griffith noted that California did declare a State of Emergency in 50 of 58 counties. Mr. James mentioned that the county needs to find out if they are one of the 50 counties included in the emergency declaration.

Director Schank mentioned that Lahontan Reservoir has about 60,000 af of storage left and explained the amount of releases being made from Lahontan Reservoir over the next few weeks. Mr. James mentioned that there will be a Carson River Regional Flood Management Workshop on March 8 to talk about places upstream we can do things to alleviate flooding. The next storm is expected to bring snow in the higher elevations and 1.5" of rain in the lower elevations.

Director Schank explained that Lahontan was not authorized as a flood control project. The Newlands Project was completed in 1905, but Lahontan was not dammed at that time. In 1907, there was flooding. Lahontan Dam was authorized in 1910 and finished in 1915. The Truckee Carson Irrigation District (TCID) is starting precautionary releases earlier than usual, before end of March or early April. There is 475,000+ af of snow pack in the headwaters of the Carson River. Lahontan Reservoir is expected to fill and spill twice before July this year. If 20,000 af of water topped the dam, it would flood Fallon and Churchill County, so it is preferable to make a controlled spill than overflow dam which is uncontrollable. Churchill County is hoping to begin February 20 to build the Sheckler structure which would spill into the NAS bombing range. The project is estimated to take two weeks.

Mr. James noted that if the flooding is declared a Federal Disaster, we still must come up with match funding, some of which have been set aside in the CWSD Floodplain Management Fund. There will be a discussion about this at the Finance Committee meeting on February 28.

*No action was required on this item; receive and file.*

#### Item #16 - Staff Reports

General Manager - Mr. James reported that the Finance Committee will need to cut out \$250,000 from project requests for FY 2017-18. CWSD is getting less ad valorem tax income than we did in 2008.

Brenda Hunt reported that on 2/21/17, the NDEP and EPA will be conducting a tour of the Mercury Superfund Site in Lyon County. On the morning of 2/22, a Mercury Site workshop will be conducted with Dave Freeman from NDEP and Andy Bain from EPA. For the afternoon of 2/22 and all day 2/23, the Carson River Coalition (CRC) will host a Watershed Forum with topics such as mapping, the new Virginia City wastewater plant, etc. This will be a true

integrated watershed management conference with a variety of speakers. The program for the Forum was handed out. Everyone is welcome.

Legal –Mr. Benesch did not have anything specific to report.

Correspondence – As handed out at the meeting.

Item #17 - Directors' Reports

Director Abowd reported that she was acting Mayor Pro Tem last week during flooding. She complimented the Carson City Public Works and Emergency Management Team who did a great job assisting residents during flooding.

Director Osborne reported that last week there was 3.5' of snow overnight in Virginia City and the Highlands. It caught some residents off guard and taxed county road snow removal equipment.

There were no other Directors' reports.

Item #18 - Public Comment. None

*There being no further business to come before the Board, Director Schank made the motion to adjourn, seconded by Director Jardine.* The meeting was adjourned at 7:50 p.m.

Respectfully submitted,

Toni Leffler  
Secretary

**AGENDA ITEM #8**  
**TREASURER'S REPORT**

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Balance Sheet

Accrual Basis

As of February 28, 2017

	Feb 28, 17
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1010-00 · Cash in Checking - B of A	43,649.11
1011-00 · Petty Cash	100.00
1014-00 · Local Gov't Inv. Pool-Regular	633,715.85
1028-00 · First Independent Bank of Nevad	248,524.51
1029-00 · Bank of America-Savings	54,138.46
Total Checking/Savings	980,127.93
Other Current Assets	
1055-00 · Payroll Deposit - Carson City	500.00
Total Other Current Assets	500.00
Total Current Assets	980,627.93
<b>TOTAL ASSETS</b>	<b>980,627.93</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Other Current Liabilities	
3307-00 · CC Payroll Due	82,549.06
3360-00 · Accrued Vacation	21,313.02
3362-00 · Accrued sick leave	42,086.47
Total Other Current Liabilities	145,948.55
Total Current Liabilities	145,948.55
Total Liabilities	145,948.55
Equity	
4000-00 · Fund Balance	624,532.86
Net Income	210,146.52
Total Equity	834,679.38
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>980,627.93</b>

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Profit &amp; Loss YTD Comparison

Accrual Basis

February 2017

	Feb 17	Jul '16 - Feb 17
Ordinary Income/Expense		
Income		
5008-00 · Alpine Co. Joint Powers contrib		9,300.00
5009-00 · Churchill County Ad Valorem		101,449.05
5010-00 · Lyon County Ad Valorem		97,495.14
5011-00 · Douglas County Ad Valorem	49,822.51	381,201.43
5012-00 · Carson City Ad Valorem		272,051.88
5022-00 · Water Lease - Mud Lake		
5025-00 · Int. Inc.-US Bank CD		625.15
5031-00 · Interest Income-LGIP Reg.	382.48	1,247.55
5044-00 · Int-1st Independent Bk of NV CD	94.95	749.41
5045-00 · Interest Income-B of A Savings	2.01	13.12
5050-00 · Watershed Coordinator		
5050-07 · CRC donation	100.00	100.00
5050-10 · NDEP Watershed Coord. 2015-18	10,286.93	24,092.46
Total 5050-00 · Watershed Coordinator	10,386.93	24,192.46
5060-00 · Misc. Income		
5060-02 · Watershed Tour		
Total 5060-00 · Misc. Income		
5063-00 · Environmental Education Program		
5063-04 · NDEP-Env.Ed.Coord.2015-17	11,930.43	19,046.37
Total 5063-00 · Environmental Education Program	11,930.43	19,046.37
5082-00 · Alpine Co.-CASGEM Grant		
5087-00 · FEMA MAS #4 (Flood Maps)	116,563.37	187,752.27
5090-00 · NDEP-Watershed Literacy Grant		
5091-00 · Rec.Trails Signage-Motorized	176.00	384.00
5092-00 · FEMA - MAS #5	7,241.72	36,749.67
5093-00 · FEMA - MAS #6		82,775.56
5094-00 · NDEP-VA/Rocky Bank Stab.Design		22,286.07
5095-00 · NDEP-WS Literacy Implementation	979.15	6,899.83
5096-00 · NFWF-Weed Mgmt.		17,646.84
5098-00 · FEMA -MAS #7		5,624.86
Total Income	197,579.55	1,267,490.66
Expense		
7015-00 · Salaries & Wages	28,296.13	229,315.55
7020-00 · Employee Benefits	11,028.81	85,971.69
7021-00 · Workers Comp Ins.		
7101-00 · Director's Fees		
7101-01 · Director Benefits	9.28	82.29
7101-00 · Director's Fees - Other	640.00	5,895.67
Total 7101-00 · Director's Fees	649.28	5,977.96
7102-00 · Insurance		6,225.38
7103-00 · Office Supplies	-92.48	774.25
7104-00 · Postage	34.19	384.72
7105-00 · Rent	2,085.10	16,680.80
7106-00 · Telephone/Internet	299.94	2,040.57
7107-00 · Travel-transport/meals/lodging		
7107-01 · Car Allowance	566.42	4,369.75
7107-00 · Travel-transport/meals/lodging - Other	67.96	2,935.13
Total 7107-00 · Travel-transport/meals/lodging	634.38	7,304.88
7108-00 · Dues & Publications		495.53
7109-00 · Miscellaneous Expense	50.00	108.50
7110-00 · Seminars & Education		505.00
7111-00 · Office Equipment	1,629.92	12,255.90
7112-00 · Bank Charges		

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Profit &amp; Loss YTD Comparison

Accrual Basis

February 2017

	Feb 17	Jul '16 - Feb 17
7114-00 · Outside Professional Services	156.25	1,111.75
7115-00 · Accounting		8,250.00
7116-00 · Legal	3,369.33	23,617.71
7117-00 · Lost Lakes Expenses		1,232.46
7120-00 · Integrated Watershed Programs		
7120-08 · Invasive Species Programs		
7120-11 · CRC Forum	252.78	252.78
7120-30 · Watershed Coord.Exp. 2015-18	85.76	3,189.92
Total 7120-00 · Integrated Watershed Programs	338.54	3,442.70
7125-00 · Environmental Ed.Coord.Exp.		
7125-02 · Env.Ed.Coord.Exp. 2015-17	30.22	16,513.20
Total 7125-00 · Environmental Ed.Coord.Exp.	30.22	16,513.20
7214-00 · Rec. Trails Signage-Motorized		2.70
7332-00 · Carson River Work Days		
7332-01 · CR Work Days 2015-16		
7332-02 · CR Work Days 2016-17		4,328.25
Total 7332-00 · Carson River Work Days		4,328.25
7337-00 · Carson River Restoration		
7337-01 · Upper Carson River Grant.		
7337-15 · CVCD-Bioengr/Erosion Control-CV	3,095.46	36,295.16
Total 7337-01 · Upper Carson River Grant.	3,095.46	36,295.16
7337-03 · Dayton Valley Conserv		
7337-31 · DVCD-Restoration Proj.2015-17		28,231.04
7337-32 · DVCD-Storey Co. Weed Abatement		
Total 7337-03 · Dayton Valley Conserv		28,231.04
Total 7337-00 · Carson River Restoration	3,095.46	64,526.20
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.		4,763.02
7404-05 · Noxious Weed Control-Churchill		
Total 7404-00 · Noxious Weeds Control-CR Wtrshd		4,763.02
7420-00 · FEMA MAS #4 (Flood Map)		
7420-01 · Flood Maps-HDR		156,314.09
7420-02 · Ordinance Review-Still Waters		6,600.00
7420-04 · Ordinance Review-Loveberg		5,790.00
7420-00 · FEMA MAS #4 (Flood Map) - Other		340.06
Total 7420-00 · FEMA MAS #4 (Flood Map)		169,044.15
7422-00 · BOR Basin Plan of Study		1.55
7424-00 · NDEP-Watershed Literacy Gr.Exp.		
7426-00 · FEMA MAS #5-Charter/Map/Model		
7426-01 · Alpine View Est.-Kimley Horn		4,500.00
7426-03 · Eagle Valley-Michael Baker		3,770.00
7426-05 · Inundation Flood Map-HDR/Orion		12,753.25
7426-06 · Public Flood Awareness		8,176.00
7426-00 · FEMA MAS #5-Charter/Map/Model - Other		95.49
Total 7426-00 · FEMA MAS #5-Charter/Map/Model		29,294.74
7427-00 · FEMA MAS #6		
7427-02 · Goni Cr(CC)-M.Baker	14,131.07	48,523.69
7427-03 · Ramsey (LyCo)-Kimley & ROA		32,827.80
7427-04 · CC Inundation Map-Kimley		9,937.80



10:40 AM

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Profit &amp; Loss YTD Comparison

Accrual Basis

February 2017

	Feb 17	Jul '16 - Feb 17
7427-00 · FEMA MAS #6 - Other		124.80
Total 7427-00 · FEMA MAS #6	14,131.07	91,414.09
7428-00 · NDEP-VA/Rocky Bank Stab. Design		
7428-01 · CWSD match-VA/Rocky Design	284.14	5,656.64
7428-00 · NDEP-VA/Rocky Bank Stab. Design - Other	5,529.27	43,835.97
Total 7428-00 · NDEP-VA/Rocky Bank Stab. Design	5,813.41	49,492.61
7429-00 · NDEP-Wtrshd Lit.Implementation	4.08	2,756.36
7430-00 · NFWF - Weed Mgmt.		17,446.62
7431-00 · BLM - Weed Mgmt.		3.58
7432-00 · FEMA MAS #7		
7432-03 · Outreach-		575.00
7432-00 · FEMA MAS #7 - Other	10.64	47.60
Total 7432-00 · FEMA MAS #7	10.64	622.60
7433-00 · NDEP-WS Lit.Impl.-Phase 3	3.45	3.45
7500-00 · USGS Stream Gage Contract		
7500-01 · Stream Gages 2015-17		35,742.75
Total 7500-00 · USGS Stream Gage Contract		35,742.75
7508-00 · USGS Do.Co.WQ & GW Monitoring		
7508-01 · Do/LyCo WQ/GW Mon. 2015-17		4,428.00
7508-00 · USGS Do.Co.WQ & GW Monitoring - Other		3,459.75
Total 7508-00 · USGS Do.Co.WQ & GW Monitoring		7,887.75
7524-00 · USGS-GW Lvl & WQ in Ch.Co.		
7524-01 · USGS-GW Lvl & WQ-ChCo 2014-17		4,463.00
Total 7524-00 · USGS-GW Lvl & WQ in Ch.Co.		4,463.00
7526-00 · USGS-Eagle/Dayton/Ch.Vly.Mon.	4,125.00	4,125.00
7600-00 · Alpine County Projects		
7600-05 · Alpine Watershed Programs		11,000.00
7600-09 · Al.Co.-CASGEM	0.30	5.18
7600-10 · Al.Co.-Mesa GW Monitoring		578.99
Total 7600-00 · Alpine County Projects	0.30	11,584.17
7610-00 · Douglas County Projects		
7610-10 · Do.Co.Reg.Pipeline Debt Service		62,500.00
Total 7610-00 · Douglas County Projects		62,500.00
7620-00 · Carson City Projects		
7620-11 · CC Reg.Pipeline Debt Service		62,500.00
Total 7620-00 · Carson City Projects		62,500.00
7630-00 · Lyon County Projects		
7630-11 · USGS Maint Costs-Dayton Gauge		5,375.00
Total 7630-00 · Lyon County Projects		5,375.00
7640-00 · Churchill County Projects		
7640-09 · Lahontan Vly.Wtr.Lvl.Measure.		3,536.10
7640-16 · Dixie Vly.Wtr.Lvl.Measurement		3,721.90
Total 7640-00 · Churchill County Projects		7,258.00
Total Expense	75,693.02	1,057,344.14
Net Ordinary Income	121,886.53	210,146.52
Net Income	121,886.53	210,146.52

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Profit &amp; Loss Budget vs. Actual

Accrual Basis

July 2016 through February 2017

	Jul '16 - Feb 17	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
5008-00 · Alpine Co. Joint Powers contrib	9,300.00	9,300.00		100.0%
5009-00 · Churchill County Ad Valorem	101,449.05	199,215.00	-97,765.95	50.9%
5010-00 · Lyon County Ad Valorem	97,495.14	151,546.00	-54,050.86	64.3%
5011-00 · Douglas County Ad Valorem	381,201.43	483,477.00	-102,275.57	78.8%
5012-00 · Carson City Ad Valorem	272,051.88	380,283.00	-108,231.12	71.5%
5022-00 · Water Lease - Mud Lake		50,000.00	-50,000.00	
5023-00 · Water Lease-Lost Lakes		1,800.00	-1,800.00	
5025-00 · Int. Inc.-US Bank CD	625.15	800.00	-174.85	78.1%
5031-00 · Interest Income-LGIP Reg.	1,247.55	600.00	647.55	207.9%
5044-00 · Int-1st Independent Bk of NV CD	749.41	1,000.00	-250.59	74.9%
5045-00 · Interest Income-B of A Savings	13.12	20.00	-6.88	65.6%
5050-00 · Watershed Coordinator				
5050-07 · CRC donation	100.00			
5050-10 · NDEP Watershed Coord. 2015-18	24,092.46	53,800.00	-29,707.54	44.8%
Total 5050-00 · Watershed Coordinator	24,192.46	53,800.00	-29,607.54	45.0%
5058-00 · 208 Water Quality Plan				
5058-03 · NDEP 208 LID Grant- 2013-15				
Total 5058-00 · 208 Water Quality Plan				
5060-00 · Misc. Income				
5060-02 · Watershed Tour		5,900.00	-5,900.00	
Total 5060-00 · Misc. Income		5,900.00	-5,900.00	
5063-00 · Environmental Education Program				
5063-04 · NDEP-Env.Ed.Coord.2015-17	19,046.37	50,000.00	-30,953.63	38.1%
Total 5063-00 · Environmental Education Program	19,046.37	50,000.00	-30,953.63	38.1%
5082-00 · Alpine Co.-CASGEM Grant		1,680.00	-1,680.00	
5085-00 · Ch.Co. for USGS GW/WQ Study		900.00	-900.00	
5087-00 · FEMA MAS #4 (Flood Maps)	187,752.27	113,000.00	74,752.27	166.2%
5090-00 · NDEP-Watershed Literacy Grant				
5091-00 · Rec.Trails Signage-Motorized	384.00	500.00	-116.00	76.8%
5092-00 · FEMA - MAS #5	36,749.67	35,000.00	1,749.67	105.0%
5093-00 · FEMA - MAS #6	82,775.56	156,400.00	-73,624.44	52.9%
5094-00 · NDEP-VA/Rocky Bank Stab.Design	22,286.07	45,400.00	-23,113.93	49.1%
5095-00 · NDEP-WS Literacy Implementation	6,899.83	36,000.00	-29,100.17	19.2%
5096-00 · NFWF-Weed Mgmt.	17,646.84	25,300.00	-7,653.16	69.8%
5098-00 · FEMA -MAS #7	5,624.86			
Total Income	1,267,490.66	1,801,921.00	-534,430.34	70.3%
<b>Expense</b>				
7015-00 · Salaries & Wages	229,315.55	351,100.00	-121,784.45	65.3%
7020-00 · Employee Benefits	85,971.69	143,000.00	-57,028.31	60.1%
7021-00 · Workers Comp Ins.		1,300.00	-1,300.00	
7101-00 · Director's Fees				
7101-01 · Director Benefits	82.29			
7101-00 · Director's Fees - Other	5,895.67	13,500.00	-7,604.33	43.7%
Total 7101-00 · Director's Fees	5,977.96	13,500.00	-7,522.04	44.3%
7102-00 · Insurance	6,225.38	7,500.00	-1,274.62	83.0%
7103-00 · Office Supplies	774.25	3,000.00	-2,225.75	25.8%
7104-00 · Postage	384.72	800.00	-415.28	48.1%
7105-00 · Rent	16,680.80	25,021.00	-8,340.20	66.7%
7106-00 · Telephone/Internet	2,040.57	4,000.00	-1,959.43	51.0%
7107-00 · Travel-transport/meals/lodging				
7107-01 · Car Allowance	4,369.75			
7107-00 · Travel-transport/meals/lodging - Other	2,935.13	14,000.00	-11,064.87	21.0%

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Profit &amp; Loss Budget vs. Actual

Accrual Basis

July 2016 through February 2017

	Jul '16 - Feb 17	Budget	\$ Over Budget	% of Budget
Total 7107-00 · Travel-transport/meals/lodging	7,304.88	14,000.00	-6,695.12	52.2%
7108-00 · Dues & Publications	495.53	1,000.00	-504.47	49.6%
7109-00 · Miscellaneous Expense	108.50	1,000.00	-891.50	10.9%
7110-00 · Seminars & Education	505.00	3,000.00	-2,495.00	16.8%
7111-00 · Office Equipment	12,255.90	3,000.00	9,255.90	408.5%
7112-00 · Bank Charges		200.00	-200.00	
7114-00 · Outside Professional Services	1,111.75	12,000.00	-10,888.25	9.3%
7115-00 · Accounting	8,250.00	10,000.00	-1,750.00	82.5%
7116-00 · Legal	23,617.71	40,700.00	-17,082.29	58.0%
7117-00 · Lost Lakes Expenses	1,232.46	10,000.00	-8,767.54	12.3%
7118-00 · Mud Lake O & M		1,000.00	-1,000.00	
7120-00 · Integrated Watershed Programs				
7120-07 · Watershed Tour		5,500.00	-5,500.00	
7120-08 · Invasive Species Programs				
7120-11 · CRC Forum	252.78			
7120-30 · Watershed Coord.Exp. 2015-18	3,189.92	6,500.00	-3,310.08	49.1%
Total 7120-00 · Integrated Watershed Programs	3,442.70	12,000.00	-8,557.30	28.7%
7125-00 · Environmental Ed.Coord.Exp.				
7125-02 · Env.Ed.Coord.Exp. 2015-17	16,513.20	42,000.00	-25,486.80	39.3%
Total 7125-00 · Environmental Ed.Coord.Exp.	16,513.20	42,000.00	-25,486.80	39.3%
7214-00 · Rec. Trails Signage-Motorized	2.70			
7215-00 · Sierra NV Journeys-Family Night		3,000.00	-3,000.00	
7332-00 · Carson River Work Days				
7332-01 · CR Work Days 2015-16				
7332-02 · CR Work Days 2016-17	4,328.25	26,000.00	-21,671.75	16.6%
Total 7332-00 · Carson River Work Days	4,328.25	26,000.00	-21,671.75	16.6%
7337-00 · Carson River Restoration				
7337-01 · Upper Carson River Grant.				
7337-15 · CVCD-Bioengr/Erosion Control-CV	36,295.16	52,500.00	-16,204.84	69.1%
7337-17 · CVCD-CV Clearing & Snagging		50,000.00	-50,000.00	
Total 7337-01 · Upper Carson River Grant.	36,295.16	102,500.00	-66,204.84	35.4%
7337-02 · Carson River Adv. Gr.				
7337-23 · Golden Eagle Ln Erosion		75,000.00	-75,000.00	
Total 7337-02 · Carson River Adv. Gr.		75,000.00	-75,000.00	
7337-03 · Dayton Valley Conserv				
7337-31 · DVCD-Restoration Proj.2015-17	28,231.04	165,000.00	-136,768.96	17.1%
7337-32 · DVCD-Storey Co. Weed Abatement		2,500.00	-2,500.00	
Total 7337-03 · Dayton Valley Conserv	28,231.04	167,500.00	-139,268.96	16.9%
7337-04 · Lahontan Conserv.Dist		15,000.00	-15,000.00	
Total 7337-00 · Carson River Restoration	64,526.20	360,000.00	-295,473.80	17.9%
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.	4,763.02	15,000.00	-10,236.98	31.8%
7404-05 · Noxious Weed Control-Churchill		15,000.00	-15,000.00	
Total 7404-00 · Noxious Weeds Control-CR Wtrshd	4,763.02	75,000.00	-70,236.98	6.4%
7420-00 · FEMA MAS #4 (Flood Map)				
7420-01 · Flood Maps-HDR	156,314.09			
7420-02 · Ordinance Review-Still Waters	6,600.00			
7420-04 · Ordinance Review-Loveberg	5,790.00			
7420-00 · FEMA MAS #4 (Flood Map) - Other	340.06	100,000.00	-99,659.94	0.3%

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Profit &amp; Loss Budget vs. Actual

Accrual Basis

July 2016 through February 2017

	Jul '16 - Feb 17	Budget	\$ Over Budget	% of Budget
Total 7420-00 · FEMA MAS #4 (Flood Map)	169,044.15	100,000.00	69,044.15	169.0%
7422-00 · BOR Basin Plan of Study	1.55			
7424-00 · NDEP-Watershed Literacy Gr.Exp.				
7426-00 · FEMA MAS #5-Charter/Map/Model				
7426-01 · Alpine View Est.-Kimley Horn	4,500.00			
7426-03 · Eagle Valley-Michael Baker	3,770.00			
7426-05 · Inundation Flood Map-HDR/Orion	12,753.25			
7426-06 · Public Flood Awareness	8,176.00			
7426-00 · FEMA MAS #5-Charter/Map/Model - Other	95.49	20,500.00	-20,404.51	0.5%
Total 7426-00 · FEMA MAS #5-Charter/Map/Model	29,294.74	20,500.00	8,794.74	142.9%
7427-00 · FEMA MAS #6				
7427-02 · Goni Cr(CC)-M.Baker	48,523.69			
7427-03 · Ramsey (LyCo)-Kimley & ROA	32,827.80			
7427-04 · CC Inundation Map-Kimley	9,937.80			
7427-00 · FEMA MAS #6 - Other	124.80	135,900.00	-135,775.20	0.1%
Total 7427-00 · FEMA MAS #6	91,414.09	135,900.00	-44,485.91	67.3%
7428-00 · NDEP-VA/Rocky Bank Stab. Design				
7428-01 · CWSD match-VA/Rocky Design	5,656.64	30,000.00	-24,343.36	18.9%
7428-00 · NDEP-VA/Rocky Bank Stab. Design - Other	43,835.97	43,800.00	35.97	100.1%
Total 7428-00 · NDEP-VA/Rocky Bank Stab. Design	49,492.61	73,800.00	-24,307.39	67.1%
7429-00 · NDEP-Wtrshd Lit.Implementation	2,756.36	30,000.00	-27,243.64	9.2%
7430-00 · NFWF - Weed Mgmt.	17,446.62	24,000.00	-6,553.38	72.7%
7431-00 · BLM - Weed Mgmt.	3.58			
7432-00 · FEMA MAS #7				
7432-03 · Outreach-	575.00			
7432-00 · FEMA MAS #7 - Other	47.60			
Total 7432-00 · FEMA MAS #7	622.60			
7433-00 · NDEP-WS Lit.Impl.-Phase 3	3.45			
7500-00 · USGS Stream Gage Contract				
7500-01 · Stream Gages 2015-17	35,742.75	70,232.00	-34,489.25	50.9%
Total 7500-00 · USGS Stream Gage Contract	35,742.75	70,232.00	-34,489.25	50.9%
7508-00 · USGS Do.Co.WQ & GW Monitoring				
7508-01 · Do/LyCo WQ/GW Mon. 2015-17	4,428.00	15,500.00	-11,072.00	28.6%
7508-00 · USGS Do.Co.WQ & GW Monitoring - Other	3,459.75			
Total 7508-00 · USGS Do.Co.WQ & GW Monitoring	7,887.75	15,500.00	-7,612.25	50.9%
7524-00 · USGS-GW Lvl & WQ in Ch.Co.				
7524-01 · USGS-GW Lvl & WQ-ChCo 2014-17	4,463.00	8,800.00	-4,337.00	50.7%
Total 7524-00 · USGS-GW Lvl & WQ in Ch.Co.	4,463.00	8,800.00	-4,337.00	50.7%
7526-00 · USGS-Eagle/Dayton/Ch.Vly.Mon.	4,125.00	16,000.00	-11,875.00	25.8%
7600-00 · Alpine County Projects				
7600-05 · Alpine Watershed Programs	11,000.00	22,000.00	-11,000.00	50.0%
7600-09 · Al.Co.-CASGEM	5.18	20.00	-14.82	25.9%
7600-10 · Al.Co.-Mesa GW Monitoring	578.99	250.00	328.99	231.6%
Total 7600-00 · Alpine County Projects	11,584.17	22,270.00	-10,685.83	52.0%
7610-00 · Douglas County Projects				
7610-10 · Do.Co.Reg.Pipeline Debt Service	62,500.00	125,000.00	-62,500.00	50.0%
7610-18 · DoCo-Sierra Country Estates		24,500.00	-24,500.00	
Total 7610-00 · Douglas County Projects	62,500.00	149,500.00	-87,000.00	41.8%
7620-00 · Carson City Projects				
7620-11 · CC Reg.Pipeline Debt Service	62,500.00	125,000.00	-62,500.00	50.0%

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Profit &amp; Loss Budget vs. Actual

Accrual Basis

July 2016 through February 2017

	Jul '16 - Feb 17	Budget	\$ Over Budget	% of Budget
Total 7620-00 · Carson City Projects	62,500.00	125,000.00	-62,500.00	50.0%
7630-00 · Lyon County Projects				
7630-11 · USGS Maint Costs-Dayton Gauge	5,375.00	5,375.00		100.0%
Total 7630-00 · Lyon County Projects	5,375.00	5,375.00		100.0%
7640-00 · Churchill County Projects				
7640-09 · Lahontan Vly.Wtr.Lvl.Measure.	3,536.10	21,000.00	-17,463.90	16.8%
7640-15 · LCD-Sand Bar Removal in ChCo		16,348.00	-16,348.00	
7640-16 · Dixie Vly.Wtr.Lvl.Measurement	3,721.90	24,000.00	-20,278.10	15.5%
Total 7640-00 · Churchill County Projects	7,258.00	61,348.00	-54,090.00	11.8%
Total Expense	1,057,344.14	2,021,346.00	-964,001.86	52.3%
Net Ordinary Income	210,146.52	-219,425.00	429,571.52	-95.8%
Other Income/Expense				
Other Income				
8005-00 · Beginning Equity		724,374.58	-724,374.58	
Total Other Income		724,374.58	-724,374.58	
Other Expense				
8008-00 · Preliminary Planning		405,000.00	-405,000.00	
Total Other Expense		405,000.00	-405,000.00	
Net Other Income		319,374.58	-319,374.58	
Net Income	210,146.52	99,949.58	110,196.94	210.3%

# CARSON WTR SUBCONSERVANCY DIST - ACQUISITION/CONSTRUCTION

03/03/17

## Balance Sheet As of February 28, 2017

	Feb 28, 17
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1013-01 · Local Gov't Inv.Pool-Reserve	687,794.13
Total Checking/Savings	687,794.13
Total Current Assets	687,794.13
<b>TOTAL ASSETS</b>	<b>687,794.13</b>
<b>LIABILITIES &amp; EQUITY</b>	
Equity	
4000-01 · Fund Balance - Capital Project	684,829.13
Net Income	2,965.00
Total Equity	687,794.13
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>687,794.13</b>

## Profit &amp; Loss YTD Comparison

February 2017

	Feb 17	Jul '16 - Feb 17
Ordinary Income/Expense		
Income		
5032-01 · Interest Income - LGIP Res.	455.21	2,965.00
Total Income	455.21	2,965.00
Net Ordinary Income	455.21	2,965.00
Net Income	455.21	2,965.00

## Profit &amp; Loss Budget vs. Actual

July 2016 through February 2017

	Jul '16 - Feb 17	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
5032-01 · Interest Income - LGIP Res.	2,965.00	2,720.00	245.00	109.0%
Total Income	2,965.00	2,720.00	245.00	109.0%
Expense				
7325-01 · Acquisition Wtr Rts/Structures		655,000.00	-655,000.00	
Total Expense		655,000.00	-655,000.00	
Net Ordinary Income	2,965.00	-652,280.00	655,245.00	-0.5%
Other Income/Expense				
Other Income				
8000-01 · Beginning Equity		684,830.00	-684,830.00	
Total Other Income		684,830.00	-684,830.00	
Net Other Income		684,830.00	-684,830.00	
Net Income	2,965.00	32,550.00	-29,585.00	9.1%



**Floodplain Management Fund**  
**Balance Sheet**  
As of February 28, 2017

	Feb 28, 17
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1013-03 · LGIP - Floodplain	281,692.24
1014-03 · Mutual of Omaha Bk CD	152,018.58
Total Checking/Savings	433,710.82
Total Current Assets	433,710.82
<b>TOTAL ASSETS</b>	<b>433,710.82</b>
<b>LIABILITIES &amp; EQUITY</b>	
Equity	
32000 · Retained Earnings	431,337.68
Net Income	2,373.14
Total Equity	433,710.82
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>433,710.82</b>

9:19 AM  
03/06/17  
Cash Basis

**Floodplain Management Fund**  
**Profit & Loss YTD Comparison**  
February 2017

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	Feb 17	Jul '16 - Feb 17
Ordinary Income/Expense		
Income		
5032-03 · Int. Inc.-LGIP-Floodplain	186.44	1,214.34
5033-03 · Int.Inc.-Mutual of Omaha CD	147.12	1,158.80
Total Income	333.56	2,373.14
Net Ordinary Income	333.56	2,373.14
Net Income	333.56	2,373.14

9:18 AM

03/06/17

Cash Basis

# Floodplain Management Fund

## Profit & Loss Budget vs. Actual

July 2016 through February 2017

	Jul '16 - Feb 17	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
5032-03 · Int. Inc.-LGIP-Floodplain	1,214.34	1,350.00	-135.66	90.0%
5033-03 · Int.Inc.-Mutual of Omaha CD	1,158.80	1,750.00	-591.20	66.2%
Total Income	2,373.14	3,100.00	-726.86	76.6%
Expense				
7203-03 · Reg. Flood Preliminary Planning	0.00	330,000.00	-330,000.00	0.0%
7206-03 · Flood Project Along SR88-Minden	0.00	40,000.00	-40,000.00	0.0%
Total Expense	0.00	370,000.00	-370,000.00	0.0%
Net Ordinary Income	2,373.14	-366,900.00	369,273.14	-0.6%
Other Income/Expense				
Other Income				
8000-03 · Beginning Equity	0.00	401,306.00	-401,306.00	0.0%
Total Other Income	0.00	401,306.00	-401,306.00	0.0%
Net Other Income	0.00	401,306.00	-401,306.00	0.0%
Net Income	2,373.14	34,406.00	-32,032.86	6.9%

**AGENDA ITEM #9**  
**PAYMENT OF BILLS**

10:03 AM

03/06/17

Accrual Basis

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

## Transaction Detail by Account

February 2017

Type	Date	Num	Name	Memo	Amount	Balance
<b>1010-00 - Cash in Checking - B of A</b>						
Deposit	02/01/2017			Deposit	116,563.37	116,563.37
Deposit	02/01/2017			Deposit	7,241.72	123,805.09
Check	02/01/2017	8627	Euronev, Ltd.	Feb. 2017 rent-777 E. William St., #102, #103, #110 & #110A	-2,085.10	121,719.99
Check	02/01/2017	8628	U.S. Geological Survey	Bill #90507046 Agmt.#17WSNV00139, Mid-Carson GW	-4,125.00	117,594.99
Check	02/02/2017	8629	Law Office of George N. Benesch	Jan. legal services, inv. #14894	-3,369.33	114,225.66
Check	02/02/2017	8630	Carson Valley Conservation District	Inv. #03-16, Dec. Bioengineering exp.	-3,095.46	111,130.20
Check	02/02/2017	8631	Local Govt Investment Pool	Transfer to CCWSD for investment	-100,000.00	11,130.20
Transfer	02/02/2017			Funds Transfer for investment	-40,000.00	-28,869.80
Check	02/10/2017	8632	Edwin James	Reimb. for 3 computers on 2/9/17 from Best Buy	-1,559.97	-30,429.77
Check	02/10/2017	8633	Charter Communications	Acct. #8354 11 001 0917880, 2/13-3/12/17	-299.94	-30,729.71
Check	02/10/2017	8634	Konica Minolta Business Solutions USA Inc	Acct. #1110530, inv. #243866377	-39.76	-30,769.47
Check	02/13/2017	8635	Local Govt Investment Pool	VOID: Transfer to CCWSD for investment(returned NSF)		-30,769.47
Deposit	02/13/2017			Deposit	176.00	-30,593.47
Deposit	02/14/2017			Deposit	11,930.43	-18,663.04
Gener...	02/14/2017			OD fee	-35.00	-18,698.04
Deposit	02/15/2017			Deposit	60,109.44	41,411.40
Check	02/21/2017	8636	Edwin James	Reimb. for 2/22/17 Forum supplies	-194.94	41,216.46
Deposit	02/23/2017			Deposit	979.15	42,195.61
Check	02/24/2017	8637	First United Methodist Church	Donation for 2/15/17 Board meeting	-50.00	42,145.61
Check	02/24/2017	8638	Edwin James	Reimb. for 2/22/17 Forum supplies	-57.84	42,087.77
Check	02/24/2017	8639	Michael Baker International, Inc.	Proj. #151453, Goni Cr. Restudy	-14,131.07	27,956.70
Check	02/24/2017	8640	Cardno, Inc.	Inv. #221225, Project #E316103200, Virginia/Rocky	-5,812.50	22,144.20
Check	02/24/2017	8641	Geeks of Nevada	2/14/17 onsite service, Inv. #1504	-156.25	21,987.95
Deposit	02/24/2017			Deposit	100.00	22,087.95
Check	02/24/2017	8642	Local Govt Investment Pool	Transfer to CCWSD for investment (replaces ck.#8635)	-40,000.00	-17,912.05
Gener...	02/24/2017			reversed OD charge	35.00	-17,877.05
Check	02/27/2017	8643	Computer Crew	Order #116640, backup battery	-69.95	-17,947.00
Check	02/28/2017	8644	cash	Feb. 2017 petty cash reimb.	-55.39	-18,002.39
Total 1010-00 - Cash in Checking - B of A					-18,002.39	-18,002.39
<b>1011-00 - Petty Cash</b>						
Gener...	02/28/2017			Feb. petty cash reimb.	-105.27	-105.27
Check	02/28/2017	8644	cash	Feb. 2017 petty cash reimb.	55.39	-49.88
Total 1011-00 - Petty Cash					-49.88	-49.88
<b>1014-00 - Local Gov't Inv. Pool-Regular</b>						
Deposit	02/01/2017			Interest	382.48	382.48
Check	02/02/2017	8631	Local Govt Investment Pool	Transfer to CCWSD for investment	100,000.00	100,382.48
Check	02/13/2017	8635	Local Govt Investment Pool	Transfer to CCWSD for investment		100,382.48
Check	02/24/2017	8642	Local Govt Investment Pool	Transfer to CCWSD for investment	40,000.00	140,382.48
Total 1014-00 - Local Gov't Inv. Pool-Regular					140,382.48	140,382.48
<b>1028-00 - First Independent Bank of Nevad</b>						
Deposit	02/14/2017			Interest	94.95	94.95
Total 1028-00 - First Independent Bank of Nevad					94.95	94.95
<b>1029-00 - Bank of America-Savings</b>						
Transfer	02/02/2017			Funds Transfer for investment	40,000.00	40,000.00
Deposit	02/28/2017			Interest	2.01	40,002.01
Total 1029-00 - Bank of America-Savings					40,002.01	40,002.01
<b>3307-00 - CC Payroll Due</b>						
Gener...	02/10/2017			2/10 SF,BH,EJ,TL,DN	-19,844.82	-19,844.82
Gener...	02/24/2017			2/24 SF,BH,EJ,TL,DN; Feb.-KA,BB,KG,DJa,WP,CR,ES,ST	-20,695.82	-40,540.64
Total 3307-00 - CC Payroll Due					-40,540.64	-40,540.64
<b>5011-00 - Douglas County Ad Valorem</b>						
Deposit	02/15/2017	658798	Douglas County	Jan. 2017	-49,822.51	-49,822.51
Total 5011-00 - Douglas County Ad Valorem					-49,822.51	-49,822.51
<b>5031-00 - Interest Income-LGIP Reg.</b>						
Deposit	02/01/2017			Interest	-382.48	-382.48
Total 5031-00 - Interest Income-LGIP Reg.					-382.48	-382.48
<b>5044-00 - Int-1st Independent Bk of NV CD</b>						
Deposit	02/14/2017			Interest	-94.95	-94.95
Total 5044-00 - Int-1st Independent Bk of NV CD					-94.95	-94.95
<b>5045-00 - Interest Income-B of A Savings</b>						
Deposit	02/28/2017			Interest	-2.01	-2.01
Total 5045-00 - Interest Income-B of A Savings					-2.01	-2.01
<b>5050-00 - Watershed Coordinator</b>						
<b>5050-07 - CRC donation</b>						
Deposit	02/24/2017	155	Steve Waclo	CRC donation	-100.00	-100.00
Total 5050-07 - CRC donation					-100.00	-100.00
<b>5050-10 - NDEP Watershed Coord. 2015-18</b>						
Deposit	02/15/2017	3249...	NV Div. of Environmental Protection	Inv. #8 15014 FY 17, Oct.-Dec.	-10,286.93	-10,286.93
Total 5050-10 - NDEP Watershed Coord. 2015-18					-10,286.93	-10,286.93

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## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

03/06/17

## Transaction Detail by Account

Accrual Basis

February 2017

Type	Date	Num	Name	Memo	Amount	Balance
Total 5050-00 · Watershed Coordinator					-10,386.93	-10,386.93
<b>5063-00 · Environmental Education Program</b>						
<b>5063-04 · NDEP-Env.Ed.Coord.2015-17</b>						
Deposit	02/14/2017	3250...	NV Div. of Environmental Protection	Inv. #8 15011 FY 17, Oct.-Dec. 2016	-11,930.43	-11,930.43
Total 5063-04 · NDEP-Env.Ed.Coord.2015-17					-11,930.43	-11,930.43
Total 5063-00 · Environmental Education Program					-11,930.43	-11,930.43
<b>5087-00 · FEMA MAS #4 (Flood Maps)</b>						
Deposit	02/01/2017		FEMA	Draw #21	-116,563.37	-116,563.37
Total 5087-00 · FEMA MAS #4 (Flood Maps)					-116,563.37	-116,563.37
<b>5091-00 · Rec.Trails Signage-Motorized</b>						
Deposit	02/13/2017	9979...	NV Div. of State Parks	Inv. #10, Oct.-Dec. 2016, proj. 2013-31	-176.00	-176.00
Total 5091-00 · Rec.Trails Signage-Motorized					-176.00	-176.00
<b>5092-00 · FEMA - MAS #5</b>						
Deposit	02/01/2017		FEMA	Draw #21	-7,241.72	-7,241.72
Total 5092-00 · FEMA - MAS #5					-7,241.72	-7,241.72
<b>5095-00 · NDEP-WS Literacy Implementation</b>						
Deposit	02/23/2017	9985...	NV Div. of Environmental Protection	Oct.-Dec. 2016, Inv. #4 16022 FY17	-979.15	-979.15
Total 5095-00 · NDEP-WS Literacy Implementation					-979.15	-979.15
<b>7015-00 · Salaries &amp; Wages</b>						
Gener...	02/10/2017			2/10 S.Fryer	2,332.69	2,332.69
Gener...	02/10/2017			2/10 B.Hunt	2,715.55	5,048.24
Gener...	02/10/2017			2/10 E.James	4,891.20	9,939.44
Gener...	02/10/2017			2/10 T.Leffler	2,309.18	12,248.62
Gener...	02/10/2017			2/10 D.Neddenriep	1,815.58	14,064.20
Gener...	02/24/2017			2/24 S.Fryer	2,332.67	16,396.87
Gener...	02/24/2017			2/24 B.Hunt	2,829.90	19,226.77
Gener...	02/24/2017			2/24 E.James	4,891.20	24,117.97
Gener...	02/24/2017			2/24 T.Leffler	2,309.17	26,427.14
Gener...	02/24/2017			2/24 D.Neddenriep	1,868.99	28,296.13
Total 7015-00 · Salaries & Wages					28,296.13	28,296.13
<b>7020-00 · Employee Benefits</b>						
Gener...	02/10/2017			2/10 S.Fryer	346.67	346.67
Gener...	02/10/2017			2/10 B.Hunt	797.73	1,144.40
Gener...	02/10/2017			2/10 E.James	2,178.60	3,323.00
Gener...	02/10/2017			2/10 T.Leffler	1,045.66	4,368.66
Gener...	02/10/2017			2/10 D.Neddenriep	1,128.75	5,497.41
Gener...	02/24/2017			2/24 S.Fryer	346.67	5,844.08
Gener...	02/24/2017			2/24 B.Hunt	815.98	6,660.06
Gener...	02/24/2017			2/24 E.James	2,178.60	8,838.66
Gener...	02/24/2017			2/24 T.Leffler	1,045.66	9,884.32
Gener...	02/24/2017			2/24 D.Neddenriep	1,144.49	11,028.81
Total 7020-00 · Employee Benefits					11,028.81	11,028.81
<b>7101-00 · Director's Fees</b>						
<b>7101-01 · Director Benefits</b>						
Gener...	02/24/2017			Feb.- K.Abowd	1.16	1.16
Gener...	02/24/2017			Feb.- B.Bonkowski	1.16	2.32
Gener...	02/24/2017			Feb.- K.Gray	1.16	3.48
Gener...	02/24/2017			Feb.- D.Jardine	1.16	4.64
Gener...	02/24/2017			Feb.- W.Penzel	1.16	5.80
Gener...	02/24/2017			Feb.- C.Roberts	1.16	6.96
Gener...	02/24/2017			Feb.- E.Schank	1.16	8.12
Gener...	02/24/2017			Feb.- S.Thaler	1.16	9.28
Total 7101-01 · Director Benefits					9.28	9.28
<b>7101-00 · Director's Fees - Other</b>						
Gener...	02/24/2017			Feb.- K.Abowd	80.00	80.00
Gener...	02/24/2017			Feb.- B.Bonkowski	80.00	160.00
Gener...	02/24/2017			Feb.- K.Gray	80.00	240.00
Gener...	02/24/2017			Feb.- D.Jardine	80.00	320.00
Gener...	02/24/2017			Feb.- W.Penzel	80.00	400.00
Gener...	02/24/2017			Feb.- C.Roberts	80.00	480.00
Gener...	02/24/2017			Feb.- E.Schank	80.00	560.00
Gener...	02/24/2017			Feb.- S.Thaler	80.00	640.00
Total 7101-00 · Director's Fees - Other					640.00	640.00
Total 7101-00 · Director's Fees					649.28	649.28
<b>7103-00 · Office Supplies</b>						
Check	02/10/2017	8634	Konica Minolta Business Solutions USA Inc	1/1-31/17 copies	39.76	39.76
Gener...	02/28/2017			Feb. copies reimb. by grants	-135.36	-95.60
Gener...	02/28/2017			Feb. petty cash reimb.	3.12	-92.48
Total 7103-00 · Office Supplies					-92.48	-92.48
<b>7104-00 · Postage</b>						
Gener...	02/28/2017			Feb. petty cash reimb.	34.19	34.19

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03/06/17

## CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

## Transaction Detail by Account

Accrual Basis

February 2017

Type	Date	Num	Name	Memo	Amount	Balance
Total 7104-00 · Postage					34.19	34.19
<b>7105-00 · Rent</b>						
Check	02/01/2017	8627	Euronev, Ltd.	Feb. 2017 rent-777 E. Wm. St., #102, #103, #110 & #110A	2,085.10	2,085.10
Total 7105-00 · Rent					2,085.10	2,085.10
<b>7106-00 · Telephone/Internet</b>						
Check	02/10/2017	8633	Charter Communications	Feb. 2017 internet & phones	299.94	299.94
Total 7106-00 · Telephone/Internet					299.94	299.94
<b>7107-00 · Travel-transport/meals/lodging</b>						
<b>7107-01 · Car Allowance</b>						
Gener...	02/10/2017			2/10 E.James	283.21	283.21
Gener...	02/24/2017			2/24 E.James	283.21	566.42
Total 7107-01 · Car Allowance					566.42	566.42
<b>7107-00 · Travel-transport/meals/lodging - Other</b>						
Gener...	02/28/2017			Feb. petty cash reimb.	67.96	67.96
Total 7107-00 · Travel-transport/meals/lodging - Other					67.96	67.96
Total 7107-00 · Travel-transport/meals/lodging					634.38	634.38
<b>7109-00 · Miscellaneous Expense</b>						
Check	02/24/2017	8637	First United Methodist Church	Donation for 2/15/17 Board meeting	50.00	50.00
Total 7109-00 · Miscellaneous Expense					50.00	50.00
<b>7111-00 · Office Equipment</b>						
Check	02/10/2017	8632	Edwin James	Reimb. for 3 computers on 2/9/17 from Best Buy	1,559.97	1,559.97
Check	02/27/2017	8643	Computer Crew	backup battery	69.95	1,629.92
Total 7111-00 · Office Equipment					1,629.92	1,629.92
<b>7112-00 · Bank Charges</b>						
Gener...	02/14/2017			OD fee	35.00	35.00
Gener...	02/24/2017			reversed OD charge	-35.00	
Total 7112-00 · Bank Charges						
<b>7114-00 · Outside Professional Services</b>						
Check	02/24/2017	8641	Geeks of Nevada	setup 6 computers to network & printers	156.25	156.25
Total 7114-00 · Outside Professional Services					156.25	156.25
<b>7116-00 · Legal</b>						
Check	02/02/2017	8629	Law Office of George N. Benesch	Jan. legal services	3,369.33	3,369.33
Total 7116-00 · Legal					3,369.33	3,369.33
<b>7120-00 · Integrated Watershed Programs</b>						
<b>7120-11 · CRC Forum</b>						
Check	02/21/2017	8636	Edwin James	Reimb. for 2/22/17 Forum supplies	194.94	194.94
Check	02/24/2017	8638	Edwin James	Reimb. for 2/22/17 Forum supplies	57.84	252.78
Total 7120-11 · CRC Forum					252.78	252.78
<b>7120-30 · Watershed Coord.Exp. 2015-18</b>						
Gener...	02/28/2017			Feb. copies	85.76	85.76
Total 7120-30 · Watershed Coord.Exp. 2015-18					85.76	85.76
Total 7120-00 · Integrated Watershed Programs					338.54	338.54
<b>7125-00 · Environmental Ed.Coord.Exp.</b>						
<b>7125-02 · Env.Ed.Coord.Exp. 2015-17</b>						
Gener...	02/28/2017			Feb. copies	30.22	30.22
Total 7125-02 · Env.Ed.Coord.Exp. 2015-17					30.22	30.22
Total 7125-00 · Environmental Ed.Coord.Exp.					30.22	30.22
<b>7337-00 · Carson River Restoration</b>						
<b>7337-01 · Upper Carson River Grant.</b>						
<b>7337-15 · CVCD-Bioengr/Erosion Control-CV</b>						
Check	02/02/2017	8630	Carson Valley Conservation District	Jan. bioengineering exp.	3,095.46	3,095.46
Total 7337-15 · CVCD-Bioengr/Erosion Control-CV					3,095.46	3,095.46
Total 7337-01 · Upper Carson River Grant.					3,095.46	3,095.46
Total 7337-00 · Carson River Restoration					3,095.46	3,095.46
<b>7427-00 · FEMA MAS #6</b>						
<b>7427-02 · Goni Cr(CC)-M.Baker</b>						
Check	02/24/2017	8639	Michael Baker International, Inc.	Services through 12-29-17	14,131.07	14,131.07
Total 7427-02 · Goni Cr(CC)-M.Baker					14,131.07	14,131.07
Total 7427-00 · FEMA MAS #6					14,131.07	14,131.07
<b>7428-00 · NDEP-VA/Rocky Bank Stab. Design</b>						
<b>7428-01 · CWSD match-VA/Rocky Design</b>						

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

Accrual Basis

February 2017

Type	Date	Num	Name	Memo	Amount	Balance
Check	02/24/2017	8640	Cardno, Inc.	design services through 1/27/17-match	284.14	284.14
Total 7428-01 · CWSD match-VA/Rocky Design					284.14	284.14
<b>7428-00 · NDEP-VA/Rocky Bank Stab. Design - Other</b>						
Check	02/24/2017	8640	Cardno, Inc.	design services through 1/27/17	5,528.36	5,528.36
Gener...	02/28/2017			Feb. copies	0.91	5,529.27
Total 7428-00 · NDEP-VA/Rocky Bank Stab. Design - Other					5,529.27	5,529.27
Total 7428-00 · NDEP-VA/Rocky Bank Stab. Design					5,813.41	5,813.41
<b>7429-00 · NDEP-Wtrshd Lit.Implementation</b>						
Gener...	02/28/2017			Feb. copies	4.08	4.08
Total 7429-00 · NDEP-Wtrshd Lit.Implementation					4.08	4.08
<b>7432-00 · FEMA MAS #7</b>						
Gener...	02/28/2017			Feb. copies	10.64	10.64
Total 7432-00 · FEMA MAS #7					10.64	10.64
<b>7433-00 · NDEP-WS Lit.Impl.-Phase 3</b>						
Gener...	02/28/2017			Feb. copies	3.45	3.45
Total 7433-00 · NDEP-WS Lit.Impl.-Phase 3					3.45	3.45
<b>7526-00 · USGS-Eagle/Dayton/Ch.Vly.Mon.</b>						
Check	02/01/2017	8628	U.S. Geological Survey	10/1-12/31/16 Mid-CR GW	4,125.00	4,125.00
Total 7526-00 · USGS-Eagle/Dayton/Ch.Vly.Mon.					4,125.00	4,125.00
<b>7600-00 · Alpine County Projects</b>						
<b>7600-09 · Al.Co.-CASGEM</b>						
Gener...	02/28/2017			Feb. copies	0.30	0.30
Total 7600-09 · Al.Co.-CASGEM					0.30	0.30
Total 7600-00 · Alpine County Projects					0.30	0.30
<b>TOTAL</b>						



**CWSD PETTY CASH TRANSACTION RECORD**  
**February 2017**

Date	G/L No.	Description	Debits	Credits	Balance
		1/31/17 cash balance			\$149.88
2/2/17	7103-00	Smith's	(\$3.22)		\$146.66
	Office Supplies	dish detergent			
2/6/17	7103-00	from L. Conlin		\$0.10	\$146.76
	Office Supplies	copies			
2/6/17	7104-00	USPS	(\$34.19)		\$112.57
	Postage	Board packages			
2/28/17	7107-00	Pizza Factory	(\$36.00)		\$76.57
	Travel	Finance Committee lunch			
2/28/17	7107-00	Ed James	(\$31.96)		\$44.61
	Travel	reimb. for Finance Committee food			
2/28/17	1011-00	Balance in Petty Cash		\$55.39	\$100.00
	Petty Cash				

Date: 2-28-17 Prepared by: *Toni Keffer*  
 Approved by: *Edwin James*

*pd. 2/28/17  
 ck. # 8644*

Telephone  
[775) 853-8210

Law Office of  
GEORGE N. BENESCH  
3600 Lamay Lane  
Reno, NV 89511

**Tax I.D. #88-0329442**

Invoice submitted to:

Carson Water Subconservancy District  
777 E. William, Suite 110A  
Carson City, NV 89701

February 01, 2017

In Reference To: General

Invoice # 14894

	<u>Hours</u>	<u>Amount</u>
For professional services rendered	0.00	\$3,333.33
Additional Charges :		
<u>January 2017</u>		
1/18/2017 Mileage charge for trip to Carson City.		36.00
SUBTOTAL:	[	36.00]
Total additional charges		\$36.00
Total amount of this bill		\$3,369.33
For Legal Services Rendered		
Previous balance		\$3,369.33
Accounts receivable transactions		
1/14/2017 Payment - thank you. Check No. 8595		(\$3,369.33)
Total payments and adjustments		(\$3,369.33)
Balance due		<u>\$3,369.33</u>

*pd. 2-2-17  
OK. #8629*

*OK to pay  
Edwin Jarama  
2-2-17*

*#9116-00 Legal*

## **AGENDA ITEM #10**

## **CARSON WATER SUBCONSERVANCY DISTRICT**

**TO:** BOARD OF DIRECTORS

**FROM:** EDWIN D. JAMES

**DATE:** MARCH 15, 2017

**SUBJECT:** Agenda Item # 10 - Discussion for possible action regarding the award of the 2017 CWSD Andy Aldax Award for Exemplary Service in Conservation and Protection of the Carson River Watershed to Juan Guzman. (For Possible Action)

**DISCUSSION:** On November 29, 2016, the Administrative Committee met and reviewed the various applicants for the Andy Aldax Award for Exemplary Service in Conservation and Protection of the Carson River Watershed. This year CWSD received several good and deserving candidates. After reviewing the various candidates' backgrounds and contributions to the watershed, the Administrative Committee voted unanimously to recommend that Juan Guzman be awarded the Andy Aldax Watershed Award for 2017. This recommendation was brought forth and ratified by the full Board on December 14, 2016.

Mr. Guzman's accomplishments and dedication to the effort of protecting and enhancing the health of the Carson River Watershed are best described by the nomination letters submitted on behalf of Juan Guzman (see attachments).

**STAFF RECOMMENDATION:** Award the 2017 CWSD Andy Aldax Award for Exemplary Service in Conservation and Protection of the Carson River Watershed to Juan Guzman.

Dear Ms. Leffler,

Please accept my nomination of Mr. Juan Guzman, Retired, for the 2017(?) Andy Aldax Award, for his exceptional contributions to the management and protection of the natural resources in the Carson River Watershed.

I personally worked with Mr. Guzman for nearly a decade working with the Nevada Division of State Lands administering the Conservation Resource Protection Grant Program, commonly referred to as the Question 1 Program after the Assembly Bill that created it.

Question 1 Program grant funds awarded to Carson City via the Open Space Program managed by Juan allowed the City to leverage several additional funding sources, including but not limited to the City's own Question 16 – Quality of Life Initiative, and the Southern Nevada Public Lands Management Act, or SNPLMA. Juan cobbled together these funding sources to effectively build the City's current, vast Open Space Land Base including many lands in the Carson River watershed. During Juan's tenure, this space nearly doubled in size. In conjunction with the Lands Bill that allowed the City to acquire Silver Saddle Ranch, many of these acquisitions include important segments of the Carson River proper, including Carson River Canyon.

In addition to Juan's land acquisition efforts, Juan also participated in projects designed to allow Carson City's citizens to access the watershed and the river itself including improvements to the Morgan Mill Preserve Open Space Recreation Area, and creation of the Carson River Aquatic Trail, which was included in the City's Unified Master Pathways Plan. Many of Juan's efforts were supported by the District's Board of Directors, on which Mr. Guzman presided for many years.

Juan was passionate about Carson City's Open Space Lands, and continues to contribute positively to the Carson River watershed while retired by presiding on the Board of Directors with the Carson Valley Trails Association.

Please accept my nomination of Juan Guzman for the prestigious Andy Aldax Award, but give it to him in the morning before he gets so tired that you can no longer understand a single word he says.

Sincerely,

Jon Paul Kiel



**Jon Paul Kiel**  
Water Quality Planning  
Nevada Division of Environmental Protection  
901 S. Stewart St., Ste 4001  
Carson City, NV 89701  
p: 775.687.9558 f: 775.687.9561  
[www.ndep.nv.gov](http://www.ndep.nv.gov)  
[jpkriel@ndep.nv.gov](mailto:jpkriel@ndep.nv.gov)

## Nomination for the Andy Aldax Award – “Triple A”

Nominee: Juan Guzman, [juanguzman@aol.com](mailto:juanguzman@aol.com)

Nominators: Steve Lewis, [lewiss@unce.unr.edu](mailto:lewiss@unce.unr.edu) & John Cobourn, [cobournj@unce.unr.edu](mailto:cobournj@unce.unr.edu)

The Carson River Watershed Vision (as slightly modified by Brenda and Steve) – A healthy sustainable Carson River watershed, led by community and private/public partnerships, plans and projects, where all lands and waterways (surface and underground) safely receive, store, and release clean water for the good of all peoples, environments and natural resources of the Carson River Basin.

Juan Guzman has worked diligently within the Carson River Watershed for its conservation and protection from the early 1990s through today. His accomplishments, drive and love of work coincides precisely with the vision stated above.

As manager of the Carson City Open Space Program, from the program's inception until his retirement in September 2014, he has protected in perpetuity, over 5,000 acres of watershed lands.

*The Partnerships* – One of Juan's most noted skills is his ability to build partnerships and instill in others the vision for watershed conservation and protection. A few organizations Juan has built effective working relations include the BLM, Forest Service, The Nature Conservancy, Sierra Club, Nevada State Lands, Nevada Federal Delegation, American Land Conservancy, Resource Concepts Inc., Carson River Advisory Committee, National Park Service, Carson Water Subconservancy District and Friends of Silver Saddle Ranch. The foundation of Juan's success in building strong partnerships is his ability to foster lasting relationships with individuals. I've witnessed Juan in the field with prospective contributors describing future field work and its intended conservation outcome. He listens intently and speaks (with a thick accent) from the heart.

*The Plans* – Juan was instrumental in many planning efforts to conserve and protect watershed lands. He was actively involved with the Open Space Plan, Carson City Master Plan Envisions, Carson River Charrette, Carson City Community Vitality Act, Carson City Lands Bill and the Management Plan for Carson City Open Space and Parks.

*The Projects* – A few of watershed lands Juan has worked to protect include Buzzy's Ranch, Golden Eagle, Mexican Dam, Prison Hill, Silver Saddle Ranch, Ambrose Natural Area, Riverview Park and the Carson River Park. Juan's goals have been to conserve and protect vegetation, floodplains, riparian corridors, natural habitats, public access and passive recreation while respecting and honoring the rights of private property owners.

Since retirement Juan remains active as a board member with two nonprofit trail and public access preservation organizations, the Carson Valley Trails Association (Douglas County) and Muscle Power (Carson City) and volunteers with Carson City Open Space. Juan acknowledges that the partnerships, relationships, plans and projects he has fostered, administered and successfully implemented should be credited to the many dedicated and passionate individuals with which he has worked. This unselfish trait may also attribute to the tremendous impact he has made in reaching ever closer to our vision.

## **AGENDA ITEM #11**

**CARSON WATER SUBCONSERVANCY DISTRICT**

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 15, 2017

SUBJECT: Agenda Item # 11 - Discussion for possible action regarding a presentation by Kimley-Horn on the Ramsey Canyon Study. (Discussion only).

DISCUSSION: In 2015, CWSD hired Kimley/Horn to complete the flood mapping for the Ramsey Canyon. This project was funded through a grant from FEMA. Todd Cochran with Kimley/Horn will give a presentation on the Ramsey Canyon Study.

STAFF RECOMMENDATION: Receive and file.



## **AGENDA ITEM #12**

## **CARSON WATER SUBCONSERVANCY DISTRICT**

**TO:** BOARD OF DIRECTORS

**FROM:** EDWIN D. JAMES

**DATE:** MARCH 15, 2017

**SUBJECT:** Agenda Item #12 - Discussion regarding an update on the Mercury Site Tour and workshop and the CRC Forum on February 21-22, 2017. (Discussion only)

**DISCUSSION:** Staff will provide a brief presentation on the recent Mercury Superfund bus tour (Feb. 21) and the Carson River Watershed Management Tour (Feb. 22-23).

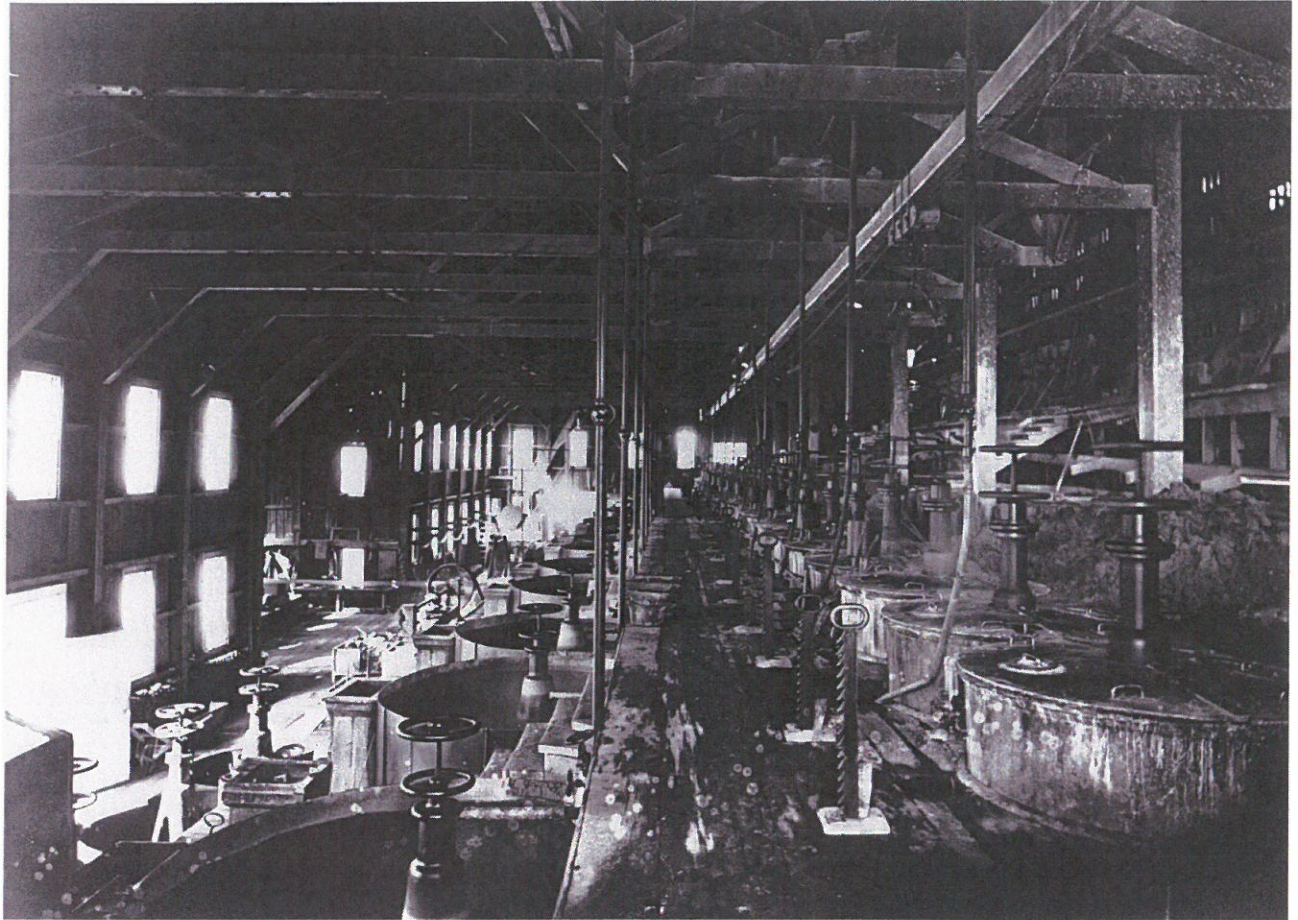
Staff partnered with Dave Friedman, Nevada Division of Environmental Protection (NDEP)'s CR Mercury Site Project Manager, and Andrew Bain, the Federal Environmental Protection Agency (EPA)'s Carson River Mercury Site Project Manager, to conduct a bus/field tour of the Carson River Mercury Superfund Site. Forty-six people attended the all-day tour. Stops included Morgan Mill Park – Carson City, Dayton Valley State Park (Rocky Point Mill) – Lyon County, Gold Hill Hotel – Storey County, and Lahontan State Park – Churchill County. The tour and speakers were very informative. The tour itinerary, speakers, and tour handouts are attached for your review.

For the first time, CWSD staff organized a two-day Carson River Watershed Management Forum. The Forum was jointly funded through CWSD and NDEP. The Forum was held in the theater at the Carson City Community Center which graciously allowed us to use the venue and all the technology. About 100 people attended over the two days. Speaker topics included floodplain protection, Parks and Open Space, algae issues, water quality improvements and river/bank stabilization/restoration projects. The program is attached for your review. An evaluation survey has been distributed to attendees, and staff will share the results during the presentation.

**STAFF RECOMMENDATION:** Receive and file.

# Carson River Mercury Site Tour

February 21, 2017



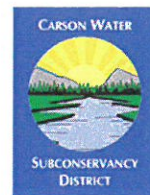
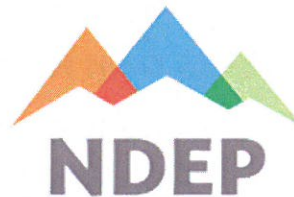
Courtesy of the California State Library ©

Pans inside the Brunswick Mill

Provided by a Grant through:



In Partnership With:



## ITINERARY

- 8:00 AM: Meet at the Carson City Community Center, 851 E William St, Carson City, NV 89701
- 8:30 AM: Depart Carson City Community Center
- 8:45 AM: Arrive at Morgan Mill Road River Access, Morgan Mill Road, Carson City. Presentations; Carson City Open Space Program and Considerations of the Carson River Mercury Site, Ann Bollinger, Open Space Administrator, Carson City, NV and Mills of the Empire Settlement and Brunswick Canyon, Dan Webster, Comstock Foundation
- 9:45 AM: Depart Morgan Mill Road River Access
- 10:15 AM: Arrive at Our Park, 370 River Street, Dayton, NV Presentations: Historic Mills of Carson River Part II, Dan Webster, Comstock Foundation and Carson River Mercury Site Operable Unit 1, Summary of the Work Done in the 1990s Including Sampling Efforts and Findings, Removal Actions and On-Going Management, Andy Bain USEPA and Dave Friedman NDEP (Porta-Potties Available)
- 11:15 AM: Depart Our Park, Dayton, NV
- 11:20 AM: Arrive Rocky Point Mill, 755 Old US Hwy 50, Dayton, NV 89403
- 11:40 AM: Depart Rocky Point Mill
- 12:15 PM: Lunch at the Gold Hill Hotel; 1540 S Main St, Virginia City, NV 89440 Luncheon Presentations; An Overview History of the Comstock- From Dry Placer Speculation to Large Corporations

and Everything In-Between, Joe Curtis, Historian and Storey County Emergency Planning Department and Efforts to Be Good Neighbors, Reduce Liability and Address Due Diligence Performing a Major Earthwork and Mining Operation in the CRMS, Corrado de Gasperis, President, Comstock Mining Inc. (full restrooms)

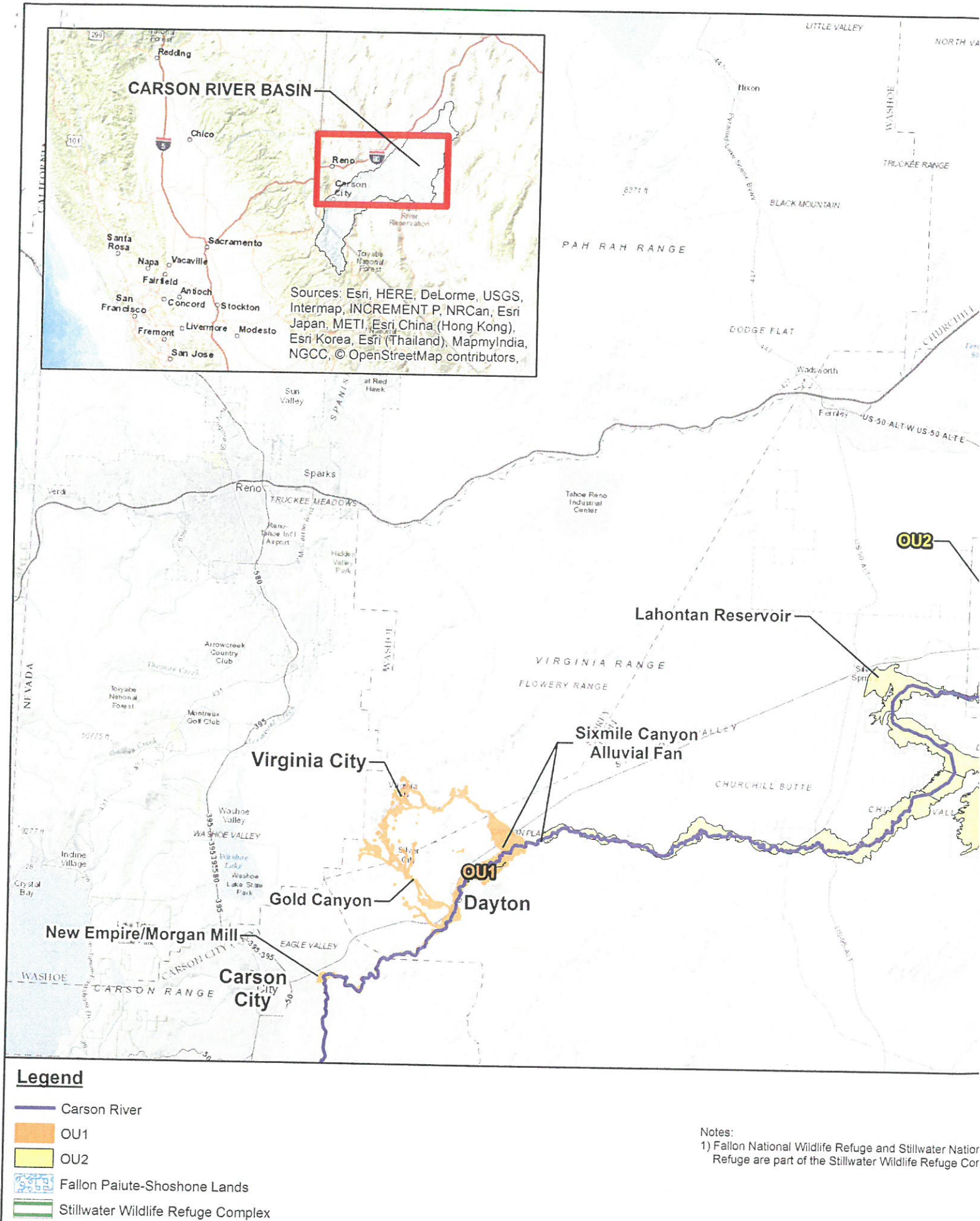
- 1:30 PM: Depart Lunch and travel to Lahontan State Park
- 2:15 PM: Arrive at Arrive Lahontan Dam, Lahontan Dam Road, Fallon, NV , Presentations: Mercury in the Environment and Impacts to the Carson River Ecosystem, Methylation Cycle, Bioaccumulation and Current Research Topics on the River, Glenn Miller, Ph.D., UNR Department of Natural Resources & Environmental Science and Operable Unit 2 of the Carson River Mercury Site; Presenters: Andy Bain USEPA and Dave Friedman NDEP
- 3:30 PM: Depart Lahontan Dam
- 4:30 PM: Return to Carson City Community Center, 851 E William St, Carson City, NV 89701

**Tour Objective:** To provide a broad understanding of the issue of mercury in the Carson River system downstream of the Mexican Dam through an educational road trip along the river's course.

**Key Elements of Understanding:**

- History of the Comstock Lode and the mining practices that released the mercury to the river system.
- The fate and transport of mercury through the environment and its interactions and effects on the ecosystem.
- Environmental regulation today and why Superfund was selected as the tool to address this issue including its benefits, limitations and shortcomings. Understanding the Superfund process and how it has been applied on the Carson River Mercury Site, where the process is currently and what remains to be accomplished.
- Living in a Superfund site. Coping with negative perceptions and dealing with an additional level of environmental regulation and oversight. Is all this really necessary and how can the affected communities get help?
- What is the on-going scientific research and study of the mercury issue in Carson River system and what is being learned. Is some clean-up a possibility or is continued management of the issue the realistic answer?







# The Superfund Process



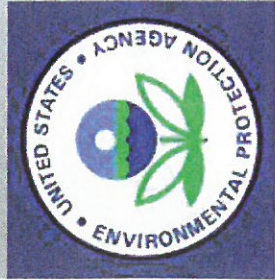
Community Involvement Activities Occur Throughout the Superfund Process

Enforcement Activities Occur Throughout the Superfund Process



# SUPERFUND PROCESS AT CARSON RIVER SITE

1860's – widespread mercury contamination from Comstock mining and milling district
1990 – Site listed on Superfund National Priorities List
1992 – EPA studies initiated on Operable Unit 1 (source) and 2 (river/lake)
1995 – OU1 - source area Record Of Decision (ROD) signed
1999 – cleanup of five yards in Dayton and one in Silver City
2013 – Minor remedy changes. Community Involvement Plan Interviews
2014 – NDEP and Parks posted bilingual health advisory at Lahontan Reservoir, Washoe Lake and access points along the river. Scoped OU2 Remedial Investigation (RI) and Risk Assessment report
2015 – OU2 fieldwork, RI kickoff, refine OU1 Long-Term Sampling and Response Plan
2017 – Remedial Investigation complete. Scope and award the Feasibility Study
*2017/18 – Feasibility Study
2019 - Proposed Plan and Public Comment Period
*2020 – anticipate Record Of Decision



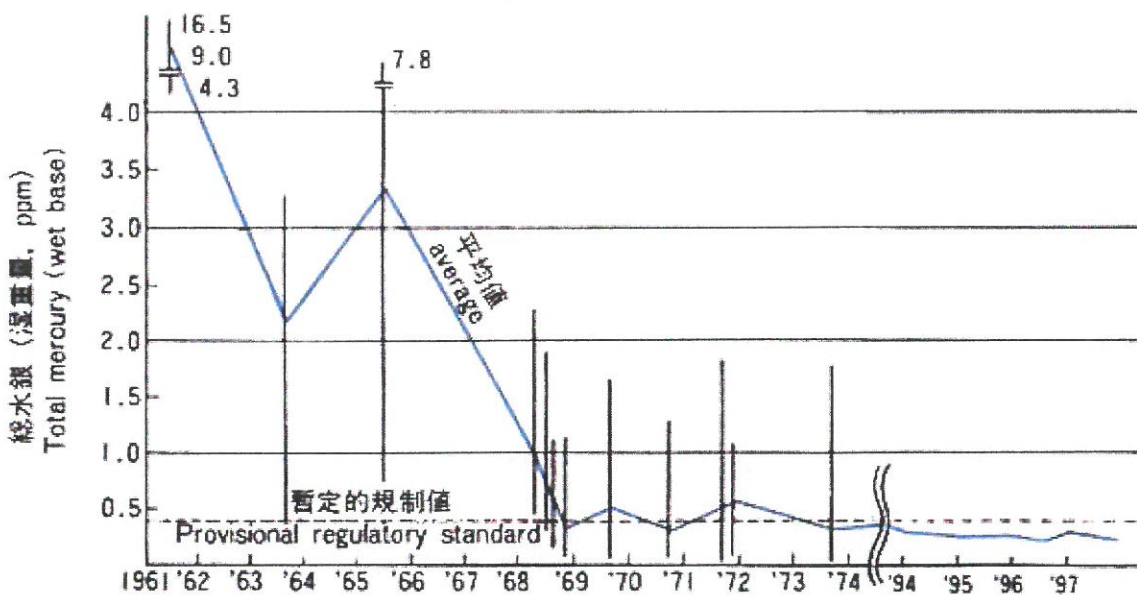
## Mercury and Fish

Minamata- a well-documented public health epidemic of methylmercury poisoning. Minamata disease sometimes referred to as Chisso-Minamata disease is a neurological syndrome caused by severe mercury poisoning. Symptoms include ataxia, numbness in the hands and feet, general muscle weakness, loss of peripheral vision, and damage to hearing and speech. In extreme cases, insanity, paralysis, coma, and death follow within weeks of the onset of symptoms. A congenital form of the disease can also affect fetuses in the womb.

Minamata disease was first discovered in Minamata city in Kumamoto prefecture, Japan, in 1956. It was caused by the release of methylmercury in the industrial wastewater from the Chisso Corporation's chemical factory, which continued from 1932 to 1968. This highly toxic chemical bioaccumulated in shellfish and fish in Minamata Bay and the Shiranui Sea, which, when eaten by the local populace, resulted in mercury poisoning. While cat, dog, pig, and human deaths continued for 36 years, the government and company did little to prevent the pollution. The animal effects were severe enough in cats that they came to be named as having "dancing cat fever".

As of March 2001, 2,265 victims had been officially recognized as having Minamata disease (1,784 of whom had died).<sup>1</sup>

Graph of Mercury Concentrations in Fish & Shellfish from Minamata Bay<sup>1</sup>



<sup>1</sup> Reprinted from the Ministry of the Environment, Government of Japan



Mercury levels in commercial fish and shellfish							
	species	Mean (ppm) <sup>[1]</sup>	Std dev (ppm) <sup>[1]</sup>	Media n (ppm) <sup>[1]</sup>	Comment	Troph ic level <sup>[20]</sup>	Max age (years) <sup>[20]</sup>
	Swordfish	0.995	0.539	0.870		4.5	15
	Shark	0.979	0.626	0.811			
	Mackerel (king)	0.730	n/a	n/a		4.5	14
	Orange roughy	0.571	0.183	0.562		4.3	149
	Marlin *	0.485	0.237	0.390		4.5	
	Mackerel (Spanish)	0.454	n/a	n/a	Gulf of Mexico	4.5	5
	Grouper	0.448	0.278	0.399	All species	4.2	
	Bluefish	0.368	0.221	0.305		4.5	9
	Tuna (albacore)	0.358	0.138	0.360	Fresh/frozen	4.3	9
	Tuna (yellowfin)	0.354	0.231	0.311	Fresh/frozen	4.3	9
	Tuna (albacore)	0.350	0.128	0.338	Canned	4.3	9

Reprinted from Wikipedia "Mercury in fish"  
Source of Data Not Provided

Mercury levels in commercial fish and shellfish							
	species	Mean (ppm) <sup>(1)</sup>	Std dev (ppm) <sup>(1)</sup>	Media n (ppm) <sup>(1)</sup>	Comment	Troph i c level <sup>(20)</sup>	Max age (years) <sup>(20)</sup>
	Halibut	0.241	0.225	0.188		4.3	
	Snapper	0.166	0.244	0.113			
	Bass	0.152	0.201	0.084	Striped, black, and black sea	3.9	
	Perch	0.150	0.112	0.146	Freshwater	4.0	
	Tuna (skipjack)	0.144	0.119	0.150	Fresh/frozen	3.8	12
	Skate	0.137	n/a	n/a			
	Tuna	0.128	0.135	0.078	All species, canned, light		
	Perch (ocean) *	0.121	0.125	0.102			
	Cod	0.111	0.152	0.066		3.9	22
	Carp	0.110	0.099	0.134			
	Lobster (American)	0.107	0.076	0.086			

Mercury levels in commercial fish and shellfish							
	species	Mean (ppm) <sup>[1]</sup>	Std dev (ppm) <sup>[1]</sup>	Media n (ppm) <sup>[1]</sup>	Comment	Trophi c level <sup>[20]</sup>	Max age (years) <sup>[20]</sup>
	Whitefish	0.089	0.084	0.067			
	Mackerel (chub)	0.088	n/a	n/a	Pacific	3.1	
	Herring	0.084	0.128	0.048		3.2	21
	Jacksmelt	0.081	0.103	0.050		3.1	
	Hake	0.079	0.064	0.067		4.0	
	Trout	0.071	0.141	0.025	Freshwater		
	Crab	0.065	0.096	0.050	Blue, king and snow crab		
	Flatfish *	0.056	0.045	0.050	Flounder, plaice and sole		
	Haddock	0.055	0.033	0.049	Atlantic		
	Whiting	0.051	0.030	0.052			
	Mackerel (Atlantic)	0.050	n/a	n/a			



Mercury levels in commercial fish and shellfish						
species	Mean (ppm) <sup>[1]</sup>	Std dev (ppm) <sup>[1]</sup>	Median (ppm) <sup>[1]</sup>	Comment	Trophic level <sup>[20]</sup>	Max age (years) <sup>[20]</sup>
Crayfish	0.035	0.033	0.012			
Pollock	0.031	0.089	0.003			
Catfish	0.025	0.057	0.005		3.9	24
Squid	0.023	0.022	0.016			
Salmon *	0.022	0.034	0.015	Fresh/frozen		
Anchovies	0.017	0.015	0.014		3.1	
Sardine	0.013	0.015	0.010		2.7	
Tilapia *	0.013	0.023	0.004			
Oyster	0.012	0.035	n/d			
Clam *	0.009	0.011	0.002			
Salmon *	0.008	0.017	n/d	Canned		
Scallop	0.003	0.007	n/d			
Shrimp *	0.001	0.013	0.009			6.5 <sup>[23]</sup>

Summary of Mercury Concentrations in Fish Tissue Samples from the Carson River      Mercury Conc Wet Wt  
(mg/kg)

Sample Location on Carson River	Date Sampled	Species	Minimum	Maximum
East Fork Carson River - Border	9/6/2006	Brown Trout	0.08	0.43
	9/6/2006	Rainbow Trout	0.13	
	9/6/2006	Wiper	0.07	
East Fork Carson River - Apple Orchard	9/6/2006	Brown Trout	0.13	
	9/6/2006	Mountain Sucker	0.11	0.24
	9/6/2006	Rainbow Trout	0.04	
	9/6/2006	Speckled Dace	0.12	0.45
	9/6/2006	Wiper	0.06	0.25
East Fork Carson River - Ruhenstroth Dam	9/7/2006	Rainbow Trout	0.05	0.08
	9/7/2006	Wiper	0.09	0.28
West Fork Carson River - Harvey's Ranch (Place???)	10/10/1984	Carp	0.32	0.57
Carson River below US 395	6/30/2008	Sucker	0.35	0.48
	7/24/1984	Carp	0.50	0.75
	7/24/1984	Green Sunfish	0.65	
	9/8/2006	Green Sunfish	0.14	0.81
	7/24/1984	Lahontan Redside	0.50	
	7/24/1984	Mountain Sucker	0.18	
	9/8/2006	Mountain Sucker	0.06	0.18
	7/24/1984	Rainbow Trout	0.06	0.25
	9/8/2006	Smallmouth Bass	0.07	0.14
	7/24/1984	Tahoe Sucker	0.22	0.57
	9/8/2006	Tahoe Sucker	0.10	0.42
	9/8/2006	Tui Chub	0.10	0.15
	7/24/1984	Carp	0.26	0.95
	7/24/1984	Dace	0.36	
Carson River- Lloyds Bridge	7/24/1984	Lahontan Redside	0.42	
	7/24/1984	Mountain Sucker	0.16	0.20

Summary of Mercury Concentrations in Fish Tissue Samples from the Carson River

Mercury Conc Wet Wt  
(mg/kg)

Sample Location on Carson River	Date Sampled	Species	Minimum	Maximum
Carson River- Lloyds Bridge	7/24/1984	Rainbow Trout	0.06	0.28
	7/24/1984	Tahoe Sucker	0.32	0.46
Carson River- Santiago Canyon	7/1/2008	Bluegill	0.65	0.83
	7/24/1984	Dace	0.40	
	7/24/1984	Lahontan Redside	0.66	
	7/24/1984	Mountain Sucker	0.12	0.28
	7/24/1984	Tahoe Sucker	0.21	0.47
	7/25/1984	Dace	0.44	
Carson River- Como Road Bridge	7/25/1984	Mountain Sucker	0.17	0.19
	7/25/1984	Tahoe Sucker	0.33	0.68
	9/7/2006	Smallmouth Bass	1.40	4.84
Carson River - Ft Churchill	7/25/1984	Black Bullhead	1.44	
	7/25/1984	Carp	0.89	2.07
	9/8/2006	Carp	0.99	1.32
	7/25/1984	Channel Catfish	1.18	2.69
	7/25/1984	Mountain Sucker	0.72	1.22
	9/8/2006	Smallmouth Bass	1.39	11.27
	7/25/1984	Tahoe Sucker	1.36	1.51
	7/25/1984	White Bass	3.10	3.19
	9/2/1983	Black Bullhead	0.67	0.75
	8/9/2005	Black Crappie	3.04	
Lahontan Reservoir	9/19/1984	Bluegill	0.42	0.97
	1981	Brown Bullhead	0.95	1.09
	1981	Carp	0.71	2.34
	9/19/1984	Carp	0.84	2.30
	7/12/2007	Carp	0.90	2.28
	1981	Channel Catfish	1.01	2.36
	9/2/1983	Channel Catfish	0.43	2.23



# Summary of Mercury Concentrations in Fish Tissue Samples from the Carson River

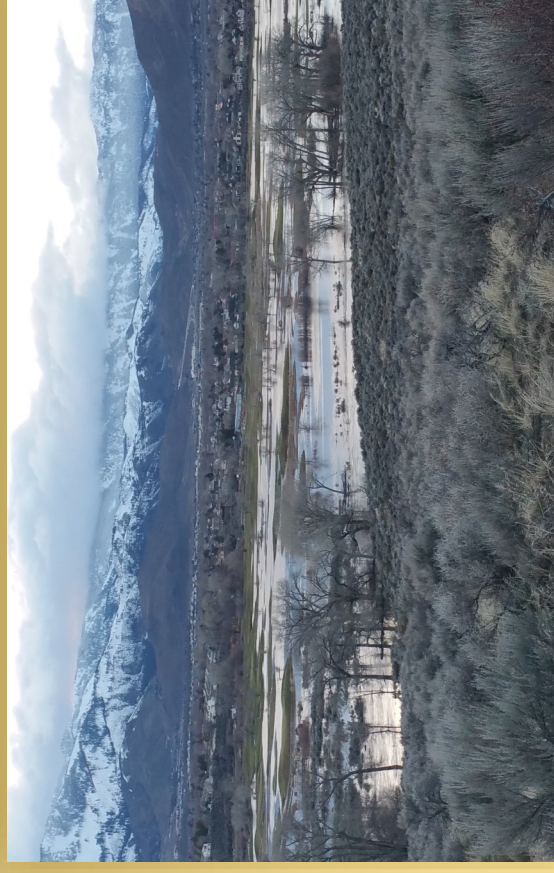
Mercury Conc Wet Wt  
(mg/kg)

Sample Location on Carson River	Date Sampled	Species	Minimum	Maximum
Lahontan Reservoir	9/19/1984	Channel Catfish	1.52	1.78
	Summer 1987	Channel Catfish	0.37	5.34
	7/20/2004	Channel Catfish	1.99	
	Summer 2005	Channel Catfish	1.18	2.06
	6/9/2010	Channel Catfish	1.40	2.20
	6/13/2012	Crappie	1.50	3.00
	1981	Crayfish	0.57	5.72
	9/19/1984	Green Sunfish	1.16	1.30
	9/19/1984	Largemouth Bass	0.38	2.88
	9/15/1987	Largemouth Bass	4.28	
	8/9/2005	Largemouth Bass	1.74	
	1981	Mosquito Fish	0.53	
	5/17/1988	Rainbow Trout	1.00	1.29
	7/26/1994	Rainbow Trout	0.18	1.20
	7/16/1996	Rainbow Trout	1.18	1.86
	1981	Sacramento Blackfish	0.44	1.92
	9/19/1984	Sacramento Blackfish	0.72	1.38
	12/1/1995	Sacramento Blackfish	0.80	1.64
	10/24/1996	Sacramento Blackfish	0.09	1.15
	2/8/1999	Sacramento Blackfish	0.47	0.90
	3/15/2004	Sacramento Blackfish	0.47	0.81
	4/3/2007	Sacramento Blackfish	1.34	1.77
	7/31/2007	Sacramento Blackfish	0.36	0.53
	6/7/2009	Sacramento Blackfish	0.65	1.60
	6/9/2010	Sacramento Blackfish	0.13	1.20
	6/13/2012	Sacramento Blackfish	1.80	2.20
	6/9/2010	Smallmouth Bass	1.80	3.40
	7/13/2005	Smallmouth Bass	0.89	1.52

# Summary of Mercury Concentrations in Fish Tissue Samples from the Carson River

Sample Location on Carson River	Date Sampled	Species	Mercury Conc Wet Wt (mg/kg)	
			Minimum	Maximum
Lahontan Reservoir	1981	Striped Bass	5.58	23.65
	10/10/1987	Striped Bass	10.40	
	1981	Tahoe Sucker	0.65	1.64
	9/19/1984	Tahoe Sucker	0.73	1.08
	9/2/1983	Walleye	0.54	1.33
	9/19/1984	Walleye	1.22	2.07
	Spring 1986	Walleye	1.70	3.86
	Summer 1986	Walleye	1.90	5.32
	Summer 1987	Walleye	0.69	3.22
	Spring 1988	Walleye	1.43	4.43
	6/7/1988	Walleye	0.72	2.66
	Apr-89	Walleye	1.47	9.52
	Jul-89	Walleye	1.37	2.40
	Spring 1990	Walleye	1.32	4.77
	3/1/1994	Walleye	5.45	9.56
	8/17/1994	Walleye	4.23	8.08
	11/22/1995	Walleye	1.49	2.86
	4/17/1996	Walleye	2.21	5.21
	7/16/1996	Walleye	2.76	12.40
	10/14/1997	Walleye	1.90	8.50
	Summer 1998	Walleye	2.36	16.00
	1999	Walleye	1.07	3.54
	6/20/2000	Walleye	1.69	5.80
	Summer 2005	Walleye	1.58	1.72
	6/9/2010	Walleye	0.86	16.00
	6/13/2012	Walleye	2.00	3.30

# 2017 Carson River Watershed Management Forum



**February 22 & 23, 2017**  
**9:00 am till 4:30 pm**



**Carson City Community Center**  
**Auditorium**

**851 E. William St., Carson City, NV**

The Carson River Coalition would like to thank you for attending the Forum! We hope that this event inspires you to get involved in making our watershed a healthy place to live, work and play!

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Thank you to all our partners who helped make this event successful. Special thanks to Carson City for providing the venue!

## Tabling Partners:

*Alpine Watershed Group*

*Carson City Weed Coalition*

*Carson Water Subconservancy District*

*Muscle Powered*

*NV Department of Conservation and Natural Resources*  
*Resource Concepts, Inc.*

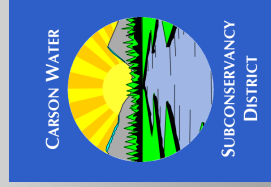
*River Wranglers*

*US Geological Survey*

*Wood Rodgers*

Sign up for our newsletter on the landing page at [www.cwsd.org](http://www.cwsd.org)

Carson River Coalition Watershed Management Forum Supported by:



Funding for the Roundtable provided by CWA 319 (h) grant  
from NDEP and CWSO.

# 2017 Carson River Watershed Management Forum

| Time                 | Wed., Feb. 22                                                                                               | Speakers                                                                        |
|----------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 9:00 am<br>9:20 am   | Welcome, Introductions & CWSD / CRC Update                                                                  | Ed James (General Mgr.)<br>Brenda Hunt (Program Mgr.)                           |
| 9:20 am<br>10:05 am  | Overview of the Remedial Investigation Report                                                               | Andrew Bain (Project Mgr.)<br>CR Mercury –US EPA                                |
| 10:05 am<br>11:20 am | Facilitated Remedy Brainstorming Session                                                                    | Steve Lewis (Ext. Ed.)<br>UN Cooperative Extension                              |
| 11:20-11:30          | 10-minute break                                                                                             |                                                                                 |
| 11:30 am<br>12:00 pm | Review of New Carson Floodplain Modeling & Mapping                                                          | Mitchell Blum (Eng.)<br>HDR, Inc.                                               |
| 12:00 pm<br>12:30 pm | Ranching Partnerships to Protect Open Spaces & Water Quality                                                | Valerie Gordon (Rancher)<br>Devere Dressler (Rancher)<br>Ace Hereford Ranch     |
| 12:30 pm - 1:45 pm   | One & one-half hour break for lunch & socializing. Maps to walkable restaurants available at registration . |                                                                                 |
| 1:45 pm<br>2:15 pm   | Meadow Assessment & Restoration in the Upper Carson Watershed                                               | Julie Fair (Assoc. Dir.)<br>American Rivers                                     |
| 2:15 pm<br>2:45 pm   | How Can We Protect More Riverine Floodplains?                                                               | Steve Lewis (Ext. Ed.)<br>UN Cooperative Extension                              |
| 2:45 pm<br>3:15 pm   | Weed Free Hay Growers Program & Douglas Co. Invasive Weed Program                                           | Jeff Begovich<br>(Douglas Co, Weed Coord.)<br>Sean Gephart<br>(NDA Weed Coord.) |
| 3:15 pm<br>3:45 pm   | 30-minute break to visit Tabling Partners (see reverse)                                                     |                                                                                 |
| 3:45 pm<br>4:15 pm   | Investigating Sources of Flooding in Johnson Ln. Area                                                       | John Cobourn (Water Spec.)<br>UN Cooperative Extension                          |
| 4:15 pm<br>4:45 pm   | Actions & Funding Available to Protect Drinking Water Sources throughout the CR Watershed                   | Lynn Zonge (Hydro.)<br>RCI                                                      |

| Time                 | Thurs., Feb. 23                                                                               | Speakers                                                                                      |
|----------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 9:00 am<br>9:30 am   | Carson City Weed Coalition & the Carson City Open Space Program                               | Dan Anderson (Weed Coord.)<br>Ann Bollinger (Open Space Admin)<br>CC Parks, Rec. & Open Space |
| 9:30 am<br>10:00 am  | Headwater Connections Alpine Watershed Group                                                  | Sarah Green (Dir.)<br>Gavin Feiger (Coord.)                                                   |
| 10:00 am<br>10:30 am | Virginia City Wastewater Improvement Project from Past to Present                             | Cherie Nevin (Com. Coord.)<br>Storey County, NV                                               |
| 10:30-10:40          | 10-minute break                                                                               |                                                                                               |
| 10:40 am<br>11:10 am | CRS Program & the Stormwater Utility                                                          | Erik Nilssen (Co. Eng.)<br>Courtney Walker (Program Mgr.)<br>Douglas Co. Eng. Division        |
| 11:10 am<br>11:40 am | Contribution of Nutrient-Enriched Groundwater to Algal Growth in the East CR                  | Nancy Alvarez (Hydro) USGS<br>Randy Pahl (Eng.) NDEP                                          |
| 11:40 am<br>12:10 pm | Dayton Valley Conservation District Projects                                                  | Rob Holley (Dist. Mgr.)<br>Dayton Valley Cons. District                                       |
| 12:10 -1:40          | One & one-half hour break for lunch & socializing.                                            |                                                                                               |
| 1:40 pm<br>2:10 pm   | Managing Lahontan in Changing Conditions. What Does the Future Hold for the Newlands Project? | Rusty Jardine (Dist. Mgr.)<br>Truckee-Carson Irrigation District                              |
| 2:10 pm<br>2:40 pm   | USGS—Clear Creek Sediment Study                                                               | Jena Huntington (Hydro.)<br>USGS                                                              |
| 2:40 pm<br>3:10 pm   | Flooding the Carson River Watershed with Education                                            | Linda Conlin (Dir.)<br>River Wranglers                                                        |
| 3:10 - 3:40          | 30-minute break to visit Tabling Partners (see reverse)                                       |                                                                                               |
| 3:40 pm<br>4:10 pm   | The Stormwater Circuit Rider Program & Nevada's General Stormwater Permits                    | Kristin Roaldson (Env. Eng.)<br>RCI                                                           |
| 4:10 pm<br>4:40 pm   | The Winter of 2016-17 - Where Have We Been & What's To Come?                                  | Chris Smallcomb (Meteorologist)<br>National Weather Service Reno                              |

## **AGENDA ITEM #13**

**CARSON WATER SUBCONSERVANCY DISTRICT**

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 15, 2017

SUBJECT: Agenda Item #13 - Discussion regarding an update on the Carson River Stewardship Plan. (Discussion only)

DISCUSSION: Staff will provide a brief presentation to the Board on the progress being made to update the 2007 Carson River Adaptive Stewardship Plan. Staff will briefly describe the purpose of the plan and go over content and next steps.

STAFF RECOMMENDATION: Receive and file.

## **AGENDA ITEM #14**

## **CARSON WATER SUBCONSERVANCY DISTRICT**

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 15, 2017

SUBJECT: Agenda Item #14 - Discussion for possible action regarding various bills that CWSD may want to support, oppose, or monitor during the 2017 Legislative Committee.  
(For Possible Action)

DISCUSSION: Attached is the list of BDR/bills that staff is currently monitoring. Staff will give an update on the status of the various bills. One BDR that staff is recommending that CWSD support is BDR 904 which provides for replenishment of the Channel Clearance Fund. Staff believes this BDR will authorize the State to replenish the Clearing and Snagging account.

Another Bill the staff recommends supporting is Bill SB 198. This bill would extend the Question 1 Natural Resources bond that was approved by the voters in 2002. This bill will extend the program from 2019 to 2024. Currently there is \$3.5 million dollars remaining in this program for river projects along the Carson River.

STAFF RECOMMENDATION: Provide staff with direction as needed.



2017 Legislation

| 2017 Legislation |        |                                                                                                                                        |                                                                                           | Propose     |
|------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------|
| BDR #            | Bill # | BDR Title                                                                                                                              | Sponsor                                                                                   | Action      |
| 35               |        | Makes various changes relating to collective bargaining.                                                                               | Assemblyman Wheeler                                                                       |             |
| 23-44            |        | Revises provisions governing state employees.                                                                                          | Assemblyman Ellison                                                                       |             |
| 43-89            |        | Revises provisions governing off-highway vehicles.                                                                                     | Assemblywoman Titus                                                                       |             |
| 101              | AJR 4  | Calls for Glen Canyon Dam to be decommissioned, drained and destroyed.                                                                 | Senator Segerblom                                                                         | Watch       |
| 103              |        | Revises provisions governing public administrators.                                                                                    | Assemblywoman Titus                                                                       |             |
| 110              |        | Revises provisions governing ethics in government.                                                                                     | Assemblywoman Dickman                                                                     |             |
| 157              |        | Makes various changes relating to certain professions.                                                                                 | Assemblyman Stewart                                                                       |             |
| 176              | AB 32  | Revises provisions relating to governmental entities that apply pesticides.                                                            | State Department of Agriculture                                                           | Participate |
| 177              | SB 73  | Revises provisions relating to conjunctive water management and tools for managing over-appropriated groundwater basins                | Division of Water Resources of the State Department of Conservation and Natural Resources | Participate |
| 178              | SB 74  | Revises provisions relating to the planning and development of water resources.                                                        | Division of Water Resources of the State Department of Conservation and Natural Resources | Support     |
| 179              | AB 34  | Makes various changes relating to state lands.                                                                                         | Division of Water Resources of the State Department of Conservation and Natural Resources | Watch       |
| 180              | SB 51  | Makes various changes relating to the adjudication of vested water rights and the appropriation of water.                              | Division of Water Resources of the State Department of Conservation and Natural Resources | Participate |
| 181              | AB 50  | Revises provisions relating to the imposition of fees, civil penalties and administrative fines by the State Environmental Commission. | Division of Water Resources of the State Department of Conservation and Natural Resources | Watch       |
| 192              |        | Revises provisions governing certain boards and commissions.                                                                           | Assemblywoman Swank                                                                       |             |
| 211              |        | Authorizes the creation of park, trail and open space districts.                                                                       | Assemblywoman Joiner                                                                      |             |
| 220              | AB 29  | Revises provisions governing the Commission on Off-Highway Vehicles.                                                                   | Division of Water Resources of the State Department of Conservation and Natural Resources | Watch       |
| 308              | AB 209 | Revises provisions governing the forfeiture and abandonment of water rights.                                                           | Assemblyman Oscarson                                                                      | Participate |
| 325              |        | Revises provisions relating to taxation.                                                                                               | Senator Hardy                                                                             |             |
| 336              |        | Makes various changes relating to water.                                                                                               | Legislative Committee on Public Lands (NRS 218E.510)                                      |             |
| 356              |        | Revises provisions relating to grants for capital improvements to publicly owned water systems.                                        | Legislative Commission's Subcommittee to Study Water (NRS 218E.200)                       |             |
| 357              |        | Makes various changes relating to water.                                                                                               | Legislative Commission's Subcommittee to Study Water (NRS 218E.200)                       |             |
| 358              |        | Makes various changes relating to water.                                                                                               | Legislative Commission's Subcommittee to Study Water (NRS 218E.200)                       |             |
| 359              |        | Revises provisions relating to water.                                                                                                  | Legislative Commission's Subcommittee to Study Water (NRS 218E.200)                       |             |
| 367              |        | Makes various changes relating to water.                                                                                               | Legislative Commission's Subcommittee to Study Water (NRS 218E.200)                       |             |
| 389              | AB 42  | Makes various changes to the Nevada Public Records Law.                                                                                | Attorney General                                                                          | Watch       |
| 441              | AB 43  | Revises provisions governing the partial abatement of taxes levied on residential and other property.                                  | Nevada Association of Counties                                                            | Watch       |
| 445              | AB 138 | Authorizes de minimus rainwater collection for certain uses.                                                                           | Assemblywoman Carlton                                                                     | Support     |
| 473              |        | Revises provisions governing financing of flood management projects.                                                                   | Assemblyman Sprinkle                                                                      |             |
| 492              |        | Revises provisions relating to forestry                                                                                                | Oversight of the Tahoe Regional Planning Agency and the Marlette Lake Water System        |             |
| 493              | SB 197 | Extends the authority to issue bonds for environmental improvement projects in the Lake Tahoe Basin.                                   | Oversight of the Tahoe Regional Planning Agency and the Marlette Lake Water System        | watch       |
| 494              | SB 198 | Provides authority for the issuance of general obligation bonds for the Conservation and Resource Protection Grant Program.            | Oversight of the Tahoe Regional Planning Agency and the Marlette Lake Water System        | Support     |
| 495              |        | Reorganizes provisions relating to local improvement districts.                                                                        | Oversight of the Tahoe Regional Planning Agency and the Marlette Lake Water System        |             |
| 496              |        | Makes various changes relating to general improvement districts.                                                                       | Oversight of the Tahoe Regional Planning Agency and the Marlette Lake Water System        |             |
| 499              | SB 47  | Makes various changes relating to the appropriation of water.                                                                          | Division of Water Resources of the State Department of Conservation and Natural Resources | Participate |

2017 Legislation

| 2017 Legislation |        |                                                                                                                        |                                                                  | Propose     |
|------------------|--------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------|
| BDR #            | Bill # | BDR Title                                                                                                              | Sponsor                                                          | Action      |
| 514              |        | Revises provisions relating to revenue.                                                                                | Senator Ratti                                                    |             |
| 518              |        | Revises provisions relating to contractors.                                                                            | Senator Settelmeyer                                              |             |
| 635              |        | Revises provisions relating to taxation.                                                                               | Senator Settelmeyer                                              |             |
| 639              | AB 114 | Revises provisions governing irrigation districts.                                                                     | Assemblywoman Titus                                              | Participate |
| 647              |        | Revises provisions governing distribution of proceeds of certain taxes to local governments.                           | Assemblywoman Titus                                              |             |
| 656              |        | Encourages and acknowledges the use of public lands in Nevada including state parks.                                   | Assemblyman Yeager                                               |             |
| 667              |        | Revises provisions relating to public works.                                                                           |                                                                  |             |
| 710              |        | Revises provisions relating to taxes.                                                                                  | Assembly Committee on Taxation                                   |             |
| 716              | AB 193 | Requires the fluoridation of water provided by certain public water systems and water authorities in certain counties. | Assemblywoman Joiner                                             | watch       |
| 735              |        | Revises provisions relating to water.                                                                                  | Assembly Committee on Natural Resources, Agriculture, and Mining |             |
| 736              |        | Revises provisions pertaining to basin water budget calculations.                                                      | Senate Committee on Natural Resources                            |             |
| 747              | AB 154 | Revises provisions governing prevailing wage.                                                                          | Assemblyman Brooks                                               | Watch       |
| 781              |        | Revises provisions governing public works.                                                                             | Assemblyman Daly                                                 |             |
| 782              | AB 152 | Revises provisions relating to the investment of public money.                                                         | Assemblyman Kramer                                               | Watch       |
| 787              | SB 134 | Revises provisions concerning plans for monitoring, management and mitigation relating to water resources.             | Senator Goicoechea                                               | Participate |
| 818              |        | Revises provisions relating to taxes.                                                                                  | Senate Committee on Revenue and Economic Development             |             |
| 830              |        | Revises provisions governing taxation.                                                                                 | Assemblywoman Jauregui                                           |             |
| 873              |        | Revises provisions governing taxation.                                                                                 | Assemblywoman Bustamante Adams                                   |             |
| 874              |        | Revises provisions governing taxation.                                                                                 | Assemblywoman Bustamante Adams                                   |             |
| 903              |        | Revises provisions governing the Division of Water Resources.                                                          | Office of Finance in the Office of the Governor                  |             |
| 904              |        | Provides for replenishment of the Channel Clearance Fund.                                                              | Office of Finance in the Office of the Governor                  | Support     |
| 905              |        | Revises provisions governing the administration of the Humboldt River Decree.                                          | Office of Finance in the Office of the Governor                  |             |
| 914              |        | Makes various changes relating to taxation.                                                                            | Assemblywoman Bustamante Adams                                   |             |
| 922              |        | Revises provisions governing certain taxes.                                                                            | Assemblyman Kramer                                               |             |
| 929              |        | Revises provisions concerning taxation.                                                                                | Senator Kieckhefer                                               |             |
| 934              |        | Revises provisions pertaining to groundwater allocation.                                                               | Senate Committee on Natural Resources                            |             |
| 935              |        | Revises provisions relating to taxation.                                                                               | Senator Hammond                                                  |             |
| 999              |        | Makes various changes relating to public lands.                                                                        | Senate Committee on Natural Resources                            |             |
| 1000             |        | Makes various changes relating to wildlife.                                                                            | Senate Committee on Natural Resources                            |             |
| 1008             |        | Revises provisions relating to taxation.                                                                               | Senate Committee on Revenue and Economic Development             |             |
| 1049             |        | Revises provisions governing taxes.                                                                                    | Assemblywoman Neal                                               |             |
| 1078             |        | Makes various changes relating to agriculture.                                                                         | Senate Committee on Natural Resources                            |             |

## **AGENDA ITEM #15**

## **CARSON WATER SUBCONSERVANCY DISTRICT**

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 15, 2017

SUBJECT: Agenda Item #15 - Discussion for possible action regarding Discussion for possible action regarding approval of the Tentative FY 2017-18 Budget for the General, Acquisition/Construction, and Floodplain Management Funds. (For Possible Action)

DISCUSSION: On February 28, 2017, the CWSD Finance Committee reviewed the proposed Tentative Budgets for FY 2017-18. This year's meeting was tougher than past Finance Committee meetings because the committee had to cut over \$300,000 out of the proposed budget. It should be noted that the amount of Ad Valorem taxes CWSD will receive for this fiscal year is less than what we received in Fiscal Year 2009-10 by approximately \$200,000 (see attached figure). 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 recommended by the Finance Committee for FY 2017-18 for the General Fund, Acquisition/Construction Fund, and Floodplain Management Fund.

Each of the tentative budgets is divided into three columns. The left column shows the proposed budget for FY 2017-18, the center column shows the adopted budget for FY 2016-17, and the right column shows the projected actual income and expenses for FY 2016-17. For the General Fund Tentative Budget the numbers in blue are grant funds and the numbers in red are projects the Finance Committee reduced.

Also, 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 for Ad Valorem taxes is staff's best guess. The actual projected tax figures from the State will not be able 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 budgets are sent to the State.

FINANCE COMMITTEE and STAFF RECOMMENDATION: Approval of the FY 2017-18 Tentative Budgets for the Acquisition/Construction Fund and the Floodplain Management Fund as presented and approval of the General Fund with the actual Ad Valorem tax figures when they become available.

## CARSON WATER SUBCONSERVANCY DISTRICT General Fund

|                                                    | Proposed<br>Tentative<br>Budget | Revised<br>Final<br>Budget | Projected<br>Actual<br>Budget | Notes                     |
|----------------------------------------------------|---------------------------------|----------------------------|-------------------------------|---------------------------|
|                                                    | Jul '17 - Jun '18               | Jul '16 - Jun '17          | Jul '16 - Jun '17             |                           |
| <b>Income</b>                                      |                                 |                            |                               |                           |
| 5008-00 · Alpine County                            | 9,500.00                        | 9,300.00                   | 9,300.00                      | Based on a 2.2 % Increase |
| 5009-00 · Churchill County Ad Valorem              | 203,597.73                      | 199,215.00                 | 199,215.00                    | Based on a 2.2 % Increase |
| 5010-00 · Lyon County Ad Valorem                   | 154,880.01                      | 151,546.00                 | 151,546.00                    | Based on a 2.2 % Increase |
| 5011-00 · Douglas County Ad Valorem                | 494,113.49                      | 483,477.00                 | 483,477.00                    | Based on a 2.2 % Increase |
| 5012-00 · Carson City Ad Valorem                   | 388,649.23                      | 380,283.00                 | 380,283.00                    | Based on a 2.2 % Increase |
| 5022-00 · Mud Lake Water Lease                     | 52,500.00                       | 50,000.00                  | 51,000.00                     |                           |
| 5023-00 · Lost Lake Water Lease                    | 2,000.00                        | 1,800.00                   | 2,000.00                      |                           |
| 5025-00 · Int. Inc. - US Bank CD                   | 0.00                            | 800.00                     | 523.00                        |                           |
| 5031-00 · Interest Income - St Pool Reg            | 4,000.00                        | 600.00                     | 2,400.00                      |                           |
| 5044-00 · Interest Income - First Independent Bank | 1,100.00                        | 1,000.00                   | 1,125.00                      |                           |
| 5045-00 · Interest Income - BOA Savings            | 20.00                           | 20.00                      | 20.00                         |                           |
| 5050-00 · Watershed Coordinator                    | 23,600.00                       | 53,800.00                  | 42,300.00                     | Grant                     |
| 5050-00 · Watershed Coordinator (new 2018)         | 24,810.00                       | 0.00                       | 0.00                          | Grant                     |
| 5050-07 · CRC Donation                             | 0.00                            | 0.00                       | 4.00                          |                           |
| 5060-00 · Misc. Income / Watershed Tour            | 5,900.00                        | 5,900.00                   | 5,900.00                      |                           |
| 5063-01 · NDEP Grant-Watershed Education           | 0.00                            | 50,000.00                  | 53,500.00                     | Grant                     |
| 5067-01 · NDEP Grant-Watershed Education (New)     | 49,550.00                       | 0.00                       | 0.00                          | Grant                     |
| 5082-00 · CASGEM                                   | 1,450.00                        | 1,680.00                   | 1,550.00                      | Grant                     |
| 5087-00 · Alpine Co Mesa GW Study                  | 1,400.00                        | 900.00                     | 2,600.00                      | Grant                     |
| 5087-00 · FEMA - MAS # 4                           | 0.00                            | 113,000.00                 | 187,728.00                    | Grant                     |
| 5091-00 · NV Recreational Motorized Trails Grant   | 0.00                            | 500.00                     | 500.00                        | Grant                     |
| 5092-00 · FEMA - MAS # 5                           | 0.00                            | 35,000.00                  | 36,749.00                     | Grant                     |
| 5093-00 · FEMA - MAS # 6                           | 10,200.00                       | 156,400.00                 | 166,800.00                    | Grant                     |
| 5097-00 · FEMA - MAS # 7                           | 384,900.00                      | 0.00                       | 85,900.00                     | Grant                     |
| 5094-00 · Virginia/Rocky Project                   | 0.00                            | 45,400.00                  | 43,822.00                     | Grant                     |
| 5095-00 · Watershed Literacy Implementation        | 650.00                          | 36,000.00                  | 38,576.00                     | Grant                     |
| 5097-00 · Watershed Literacy Implementation (new)  | 50,600.00                       | 0.00                       | 16,200.00                     | Grant                     |
| 5097-00 · BLM Weed Grant                           | 15,100.00                       | 0.00                       | 19,900.00                     | Grant                     |
| 5096-00 · NFWF Weed Grant                          | 0.00                            | 25,300.00                  | 83,365.00                     | Grant                     |
| <b>Total Income</b>                                | <b>1,878,520.46</b>             | <b>1,801,921.00</b>        | <b>2,066,283.00</b>           |                           |
| <b>Expense</b>                                     |                                 |                            |                               |                           |
| <b>ADMINISTRATIVE EXPENSES:</b>                    |                                 |                            |                               | Notes                     |
| 7015-00 · Salaries & Wages                         | 375,000.00                      | 351,100.00                 | 351,100.00                    |                           |
| 7020-00 · Employee Benefits                        | 152,500.00                      | 143,000.00                 | 128,500.00                    |                           |
| 7021-00 · Workers Comp Ins.                        | 1,500.00                        | 1,300.00                   | 1,300.00                      |                           |
| 7101-00 · Director's Fees                          | 13,500.00                       | 13,500.00                  | 11,500.00                     |                           |
| 7102-00 · Insurance                                | 6,500.00                        | 7,500.00                   | 6,225.38                      |                           |
| 7103-00 · Office Supplies                          | 4,000.00                        | 3,000.00                   | 2,000.00                      |                           |
| 7104-00 · Postage                                  | 800.00                          | 800.00                     | 700.00                        |                           |
| 7105-00 · Rent                                     | 25,780.00                       | 25,021.00                  | 25,021.00                     |                           |
| 7106-00 · Telephone                                | 4,200.00                        | 4,000.00                   | 3,900.00                      |                           |
| 7107-00 · Travel-transport/meals/lodging           | 16,000.00                       | 14,000.00                  | 13,500.00                     |                           |
| 7108-00 · Dues & Publications                      | 1,200.00                        | 1,000.00                   | 1,000.00                      |                           |
| 7109-00 · Miscellaneous Expense                    | 1,500.00                        | 1,000.00                   | 1,000.00                      |                           |
| 7110-00 · Seminars & Education                     | 3,000.00                        | 3,000.00                   | 3,000.00                      |                           |
| 7111-00 · Office Equipment                         | 3,000.00                        | 3,000.00                   | 12,325.00                     |                           |
| 7112-00 · Bank Charges                             | 200.00                          | 200.00                     | 100.00                        |                           |
| 7115-00 · Accounting                               | 16,000.00                       | 10,000.00                  | 10,000.00                     |                           |
| 7116-00 · Legal                                    | 40,700.00                       | 40,700.00                  | 40,500.00                     |                           |
| <b>Subtotal-Administrative Expenses</b>            | <b>665,380.00</b>               | <b>622,121.00</b>          | <b>611,671.38</b>             |                           |

# CARSON WATER SUBCONSERVANCY DISTRICT

## General Fund

### Multi Year and On-Going Projects

#### PROJECTS:

|                                                   | Proposed<br>Tentative<br>Budget | Revised<br>Final<br>Budget | Projected<br>Actual<br>Budget | Reductions |
|---------------------------------------------------|---------------------------------|----------------------------|-------------------------------|------------|
|                                                   | Jul '17 - Jun '18               | Jul '16 - Jun '17          | Jul '16 - Jun '17             | Notes      |
| 7114-00 · Professional Outside Services           | 10,000.00                       | 12,000.00                  | 12,000.00                     | -\$5,000   |
| 7117-00. Lost Lakes Expenses                      | 11,000.00                       | 10,000.00                  | 10,000.00                     |            |
| 7118-00 · Mud Lake O & M                          | 1,000.00                        | 1,000.00                   | 1,000.00                      |            |
| 7120-00 · Integrated Watershed Plan               |                                 |                            |                               |            |
| 7120-07 · Watershed Tour                          | 6,000.00                        | 5,500.00                   | 5,500.00                      |            |
| 7120-08 · Regional Invasive Species Programs      | 0.00                            | 0.00                       | 0.00                          |            |
| 7120-25 · Watershed Coordinator Expenses          | 10,700.00                       | 6,500.00                   | 6,200.00                      | Grant      |
| 7125-00 · Environ. Education Coordinator Program  | 0.00                            | 42,000.00                  | 47,469.00                     | Grant      |
| 7125-00 · Environ. Educ. Coord. Program (New)     | 46,430.00                       | 0.00                       | 0.00                          | Grant      |
| 7214-00 · Motorized Rec. Trails Signage           | 0.00                            | 0.00                       | 2.70                          | Grant      |
| 7215-00 · Sierra NV Journeys - Family Night       | 3,000.00                        | 3,000.00                   | 3,000.00                      | -\$800     |
| 7404-00 · Noxious Weeds Control                   | 75,000.00                       | 75,000.00                  | 75,000.00                     |            |
| 7420-00 · FEMA MAS #4 Carson Valley               | 0.00                            | 100,000.00                 | 170,280.00                    | Grant      |
| 7426-00 · FEMA MAS #5                             | 0.00                            | 20,500.00                  | 30,127.00                     | Grant      |
| 7427-00 · FEMA MAS #6                             | 7,760.00                        | 135,900.00                 | 149,780.00                    | Grant      |
| 7428-00 · Virginia/Rocky Project (reimbursed)     | 0.00                            | 43,800.00                  | 42,004.00                     | Grant      |
| 7428-00 · Virginia/Rocky Project (Match)          | 0.00                            | 30,000.00                  | 43,236.00                     |            |
| 7429-00 · Watershed Literacy Implementation #2    | 254.00                          | 30,000.00                  | 31,574.00                     | Grant      |
| 7430-00 · NFWF Weed Grant                         | 0.00                            | 24,000.00                  | 79,350.00                     | Grant      |
| 7431-00 · BLM Weed Grant                          | 14,000.00                       | 0.00                       | 14,500.00                     | Grant      |
| 7432-00 · FEMA MAS #7                             | 356,809.00                      | 0.00                       | 70,743.00                     | Grant      |
| 7477-00 · Watershed Literacy # 3                  | 48,360.00                       | 0.00                       | 0.00                          | Grant      |
| 7500-00 · USGS Stream Gage Contracts              | 75,530.00                       | 70,232.00                  | 75,880.00                     | -\$1,030   |
| 7508-00 · USGS Do. Co. GW Collection Data         | 14,440.00                       | 15,500.00                  | 16,745.75                     | -\$2,180   |
| 7524-01 · USGS GW level & WQ Churchill Co.        | 0.00                            | 8,800.00                   | 13,390.00                     |            |
| 7526-01 · USGS GW Study Eagle, Dayton & Churchill | 19,195.00                       | 16,000.00                  | 16,000.00                     |            |
| Subtotal Multi Year & On-going Projects           | 699,478.00                      | 649,732.00                 | 913,781.45                    | -\$9,010   |

### Counties and River Projects

|                                                    |            |            |            | Reductions |
|----------------------------------------------------|------------|------------|------------|------------|
|                                                    |            |            |            | Notes      |
| 7332-00 · Carson River Work Days                   | 26,000.00  | 26,000.00  | 26,000.00  | -\$6,000   |
| 7337-00 · Carson River Restoration                 |            |            |            |            |
| 7337-15 · CVCD Bioengineering                      | 0.00       | 52,500.00  | 37,585.00  | -\$65,000  |
| 7337-17 · CVCD CV Bank Stabilization               | 80,000.00  | 50,000.00  | 50,000.00  | -\$45,000  |
| 7337-23 · Carson City - Golden Eagle               | 0.00       | 75,000.00  | 75,000.00  |            |
| 7337-31 · Dayton Valley Conservation               | 32,000.00  | 165,000.00 | 165,000.00 | -\$35,800  |
| 7337-32 · DVCD Storey Co. Weed Abatement           | 2,000.00   | 2,500.00   | 2,500.00   | -\$500     |
| 7337-04 · Lahontan Conservation District           | 15,000.00  | 15,000.00  | 15,000.00  | -\$5,000   |
| 7600-05 · Alpine Co. Watershed Group.              | 20,000.00  | 22,000.00  | 22,000.00  | -\$5,000   |
| 7600-09 · CASGEM                                   | 10.00      | 20.00      | 10.00      |            |
| 7600-10 · Mesa GW Measurement Project              | 10.00      | 250.00     | 545.00     |            |
| 7610-10 · Douglas Co Regional Pipeline             | 125,000.00 | 125,000.00 | 125,000.00 |            |
| 7610-18 · Do. Co. Sierra Country Estates           | 0.00       | 24,500.00  | 24,500.00  |            |
| 7620-11 · Regional Pipeline Payment to Carson City | 125,000.00 | 125,000.00 | 125,000.00 |            |
| 7630-10 · Lyon Co. Dayton Stream Gage              | 5,375.00   | 5,375.00   | 5,375.00   | -\$5,375   |
| 7640-09 · Lahontan Valley WTR Level Program        | 30,700.00  | 21,000.00  | 14,144.00  |            |
| 7640-15 · LCD Sand Bar Removal                     | 15,000.00  | 16,348.00  | 16,348.00  | -\$5,000   |
| 7640-16 · Dixie Valley WTR LVL measurement         | 23,600.00  | 24,000.00  | 23,000.00  |            |
| Subtotal Carson River Projects                     | 499,695.00 | 749,493.00 | 727,007.00 | -\$172,675 |

\*+\* Request to carry over funds



# CARSON WATER SUBCONSERVANCY DISTRICT

## General Fund

|                                                   | Proposed<br>Tentative<br>Budget | Revised<br>Final<br>Budget | Projected<br>Actual<br>Budget | Reductions     |
|---------------------------------------------------|---------------------------------|----------------------------|-------------------------------|----------------|
|                                                   | Jul '17 - Jun '18               | Jul '16 - Jun '17          | Jul '16 - Jun '17             | Notes          |
| <b>New Projects</b>                               |                                 |                            |                               |                |
| Planet Savvy (Mg study of streambanks)            | 0.00                            |                            |                               | -\$3,500       |
| NSHE DRI (Climate impact on runoff)               | 0.00                            |                            |                               | -\$18,178      |
| Dayton Bridge gage                                | 3,925.00                        |                            |                               | -\$3,075       |
| Arsenic Study USGS (Carson Valley)                | 0.00                            |                            |                               | -\$29,400      |
| DVCD Projects (river restoration)                 | 43,000.00                       |                            |                               | -\$44,500      |
| Living With Beaver Project                        | 0.00                            |                            |                               | -\$4,515       |
| Total Expenses for New Projects                   | 46,925.00                       | 0.00                       | 0.00                          | -\$103,168     |
| Total Expenditures                                | 1,911,478.00                    | 2,021,346.00               | 2,252,459.83                  |                |
| Net Income                                        | -32,957.54                      | -219,425.00                | -186,176.83                   |                |
|                                                   |                                 |                            |                               | Reductions     |
| Beginning Equity                                  | 496,658.17                      | 724,374.58                 | 682,835.00                    | Based on Audit |
|                                                   | 496,658.17                      | 724,374.58                 | 682,835.00                    |                |
| Other Expense                                     |                                 |                            |                               |                |
| 8008-00 - Preliminary Planning                    | 385,000.00                      | 405,000.00                 | 0.00                          | -\$20,000      |
| Transfer from Gen. Fd. to Floodplain Fd.          | 0.00                            | 0.00                       | 0.00                          |                |
| Transfer from Gen. Fd. to Acqu./Const. Fd.        | 0.00                            | 0.00                       | 0.00                          |                |
| Total Other Expense                               | 385,000.00                      | 405,000.00                 | 0.00                          |                |
| Net Balance from Beginning Equity & Other Expense | 111,658.17                      | 319,374.58                 | 682,835.00                    |                |
| ENDING BALANCE                                    | 78,700.63                       | 99,949.58                  | 496,658.17                    |                |

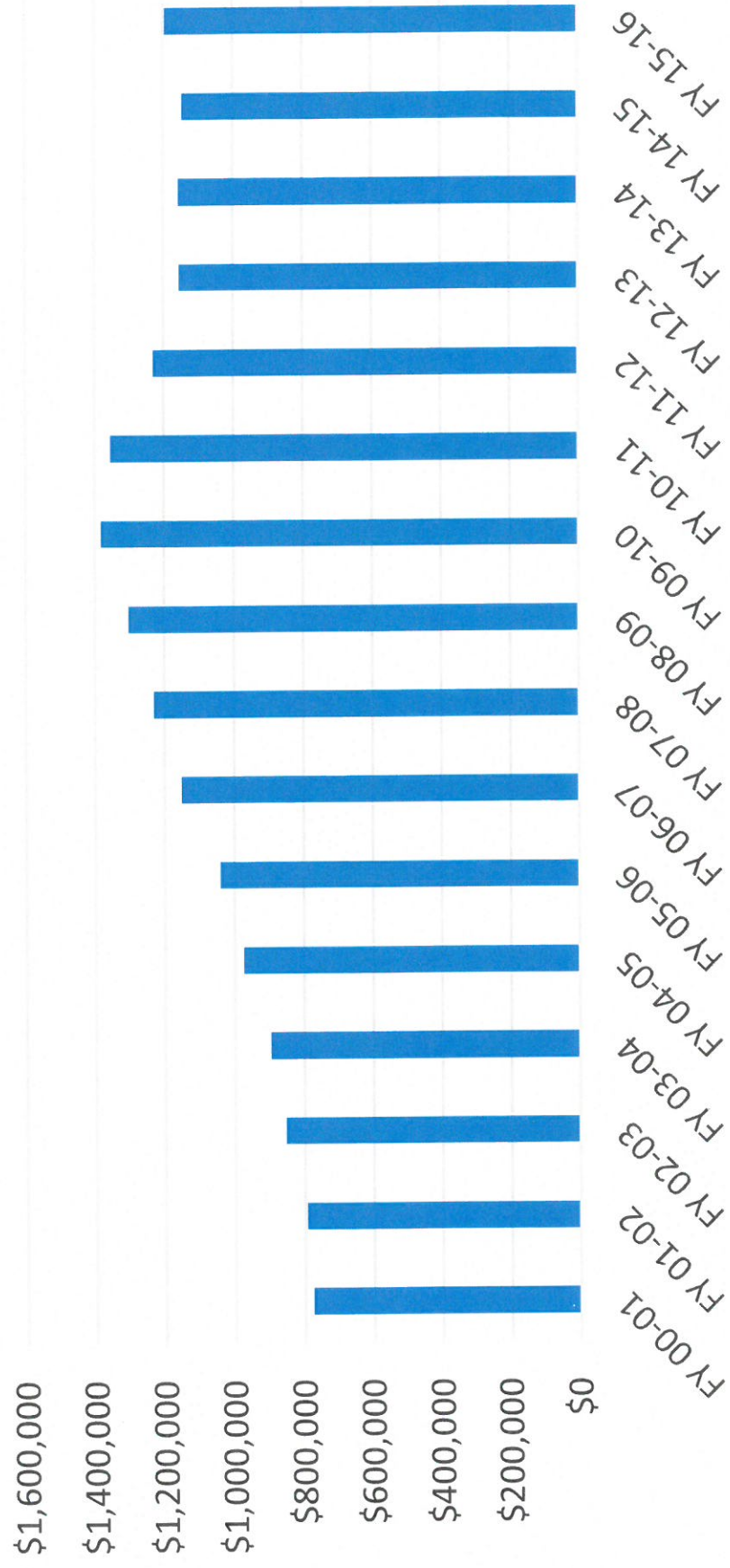
\* Based on 2015-16 Audit

Total Reduction

-\$304,853

Need an Ending balance of \$91,800

## Ad Valorem Tax





**CARSON WATER SUBCONSERVANCY DISTRICT  
FLOODPLAIN MANAGEMENT FUND  
FY 2017-18 Tentative Budget**

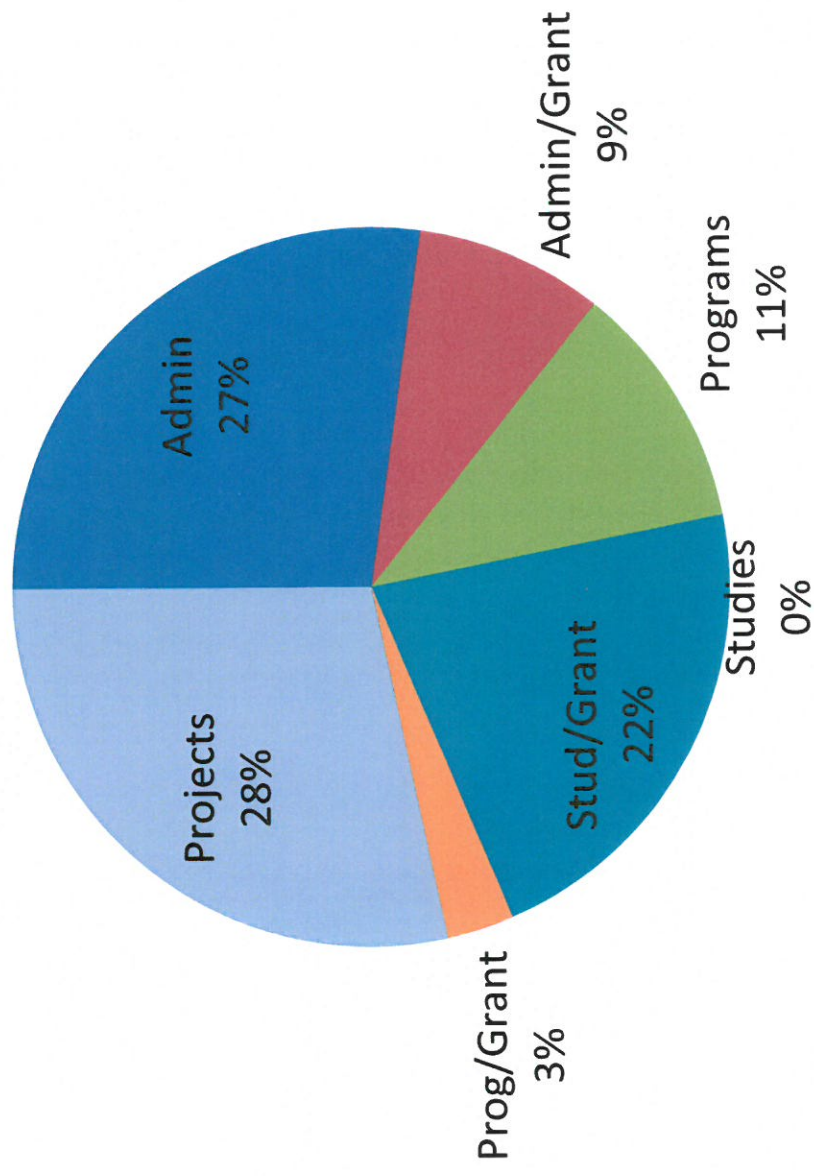
| <b>FLOODPLAIN MANAGEMENT FUND</b>           | Proposed           | Adopted            | Projected         | Notes |
|---------------------------------------------|--------------------|--------------------|-------------------|-------|
|                                             | Tentative          | Final              | Actual            |       |
|                                             | Budget             | Budget             | Budget            |       |
|                                             | Jul '17 - Jun '18  | Jul '16 - Jun '17  | Jul '16 - Jun '17 |       |
| <b>Ordinary Income/Expense</b>              |                    |                    |                   |       |
| Income                                      |                    |                    |                   |       |
| 5032-01 · Interest Inc - Inv. Pool          | 1,000.00           | 1,350.00           | 1,800.00          |       |
| 5033-03 · Interest Inc - Mutual Of Omaha CD | 0.00               | 1,750.00           | 1,740.00          |       |
| <b>Total Income</b>                         | <b>1,000.00</b>    | <b>3,100.00</b>    | <b>3,540.00</b>   |       |
| Expense                                     |                    |                    |                   |       |
| 7203-03 Floodplain Planning                 | 210,000.00         | 330,000.00         | 0.00              |       |
| 7206-03 Flood Project along SR 88 in Minden | 0.00               | 40,000.00          | 40,000.00         |       |
| Flood damage Repairs                        | 152,000.00         | 0.00               |                   |       |
| <b>Total Expense</b>                        | <b>362,000.00</b>  | <b>370,000.00</b>  | <b>40,000.00</b>  |       |
| <b>Net Ordinary Income</b>                  | <b>-361,000.00</b> | <b>-366,900.00</b> | <b>-36,460.00</b> |       |
| <b>Other Income/Expense</b>                 |                    |                    |                   |       |
| Other Income                                |                    |                    |                   |       |
| 8000-01 · Beginning Equity                  | 392,876.00         | 401,306.00         | 429,336.00 *      |       |
| 8001-01 · Transfer In-General Fund          | 0.00               | 0.00               | 0.00              |       |
| <b>Total Other Income</b>                   | <b>392,876.00</b>  | <b>401,306.00</b>  | <b>429,336.00</b> |       |
| <b>Ending Equity</b>                        | <b>31,876.00</b>   | <b>34,406.00</b>   | <b>392,876.00</b> |       |

\* Based on the 2016 Audit

**CARSON WATER SUBCONSERVANCY DISTRICT  
ACQUISITION/CONSTRUCTION FUND  
2017-18 Tentative Budget**

| <b>ACQUISITION/CONSTRUCTION FUND</b>    | Proposed<br>Tentative<br>Budget | Approved<br>Final<br>Budget | Projected<br>Actual<br>Budget |
|-----------------------------------------|---------------------------------|-----------------------------|-------------------------------|
|                                         | <b>Jul '17 - Jun '18</b>        | <b>Jul '16 - Jun '17</b>    | <b>Jul '16 - Jun '17</b>      |
| <b>Ordinary Income/Expense</b>          |                                 |                             |                               |
| <b>Income</b>                           |                                 |                             |                               |
| 5032-01 · Interest Inc - Inv. Pool      | 4,500.00                        | 2,720.00                    | 4,400.00                      |
| 5038-01 · Interest Income - Heritage CD | 0.00                            | 0.00                        | 0.00                          |
| <b>Total Income</b>                     | <u>4,500.00</u>                 | <u>2,720.00</u>             | <u>4,400.00</u>               |
| <b>Expense</b>                          |                                 |                             |                               |
| 7325-01 Acquisition Water.              | 0.00                            | 0.00                        | 0.00                          |
| Construction Projects                   | 660,000.00                      | 655,000.00                  | 0.00                          |
| <b>Total Expense</b>                    | <u>660,000.00</u>               | <u>655,000.00</u>           | <u>0.00</u>                   |
| <b>Net Ordinary Income</b>              | -655,500.00                     | -652,280.00                 | 4,400.00                      |
| <b>Other Income/Expense</b>             |                                 |                             |                               |
| <b>Other Income</b>                     |                                 |                             |                               |
| 8000-01 · Beginning Equity              | <u>689,229.00</u>               | <u>684,830.00</u>           | <u>684,829.00 *</u>           |
| 8001-01 · Transfer In-General Fund      | 0.00                            | 0.00                        | 0.00                          |
| <b>Total Other Income</b>               | <u>689,229.00</u>               | <u>684,830.00</u>           | <u>684,829.00</u>             |
| * Based on 2015-16 Audit                |                                 |                             |                               |
| <b>Ending Equity</b>                    | <u><u>33,729.00</u></u>         | <u><u>32,550.00</u></u>     | <u><u>689,229.00</u></u>      |

# 2017-18 Projected Tentative Budget



**CARSON WATER SUBCONSERVANCY DISTRICT  
FINANCE COMMITTEE MEETING  
February 28, 2017, 8:30 A.M.**

***DRAFT Meeting Minutes***

**Directors Present:**

Brad Bonkowski, Carson City  
Ken Gray, Lyon County  
Don Jardine, Alpine County  
Barry Penzel, Douglas County  
Ernie Schank, Churchill County

**Directors Not Present:** none

**Staff Present:**

Edwin James, General Manager  
Toni Leffler, Secretary

**Others Present:**

Kip Allander, USGS  
Steve Berris, USGS  
Jackie Bogdanovicz, Lahontan Conservation District (LCD)  
Craig Burnside, Carson Valley Conservation District (CVCD)  
Linda Conlin, River Wranglers  
Mike Hayes, CVCD  
Sean Hill, Sierra Nevada Journeys  
Rob Holley, Dayton Valley Conservation District (DVCD)  
Dan Kaffer, Alpine Watershed Group  
Jason VanHavel, Storey County  
Rich Wilkinson, Carson Valley Conservation District (by telephone)

The meeting was called to order at 8:35 a.m. by Director Schank. The meeting was held in the Conference Room of the Carson Water Subconservancy District, 777 E. William St., #110, Carson City, Nevada. A quorum of the Finance Committee was present.

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

**Item #3 - Discussion for possible action regarding approval of the minutes from the Finance Committee meeting on February 24, 2016.** Director Bonkowski made the motion to approve the minutes of the Finance Committee meeting on February 24, 2016, as handed out. The motion was seconded by Director Schank which was unanimously approved, with Directors Penzel and Jardine abstaining for not having been at that meeting.

**Item #3 - Discussion regarding the tentative General Fund FY 2017-18 budget and presentations for proposed projects.** Ed James explained that the grant requests are greater than the funds available. We also have not been able to put any funds into the Acquisition/Construction Fund for the past three years. We will have to address this in our Strategic Planning Session. He explained that the proposed tentative FY 2017-18 budget is shown in the left column, the FY 2016-17 final budget is the middle column, and the right column reflects the projected actual FY 2016-17

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income and expenses. Mr. James will provide a pie chart regarding expense allocation in the Board package.

Director Bonkowski noted that Carson City estimates \$30 million in new construction this year and a proposed \$.05 increase in tax rate on new construction. This could mean an additional \$20,000 in CWSD revenue. Director Penzel reported that he met with the Douglas County Assessor yesterday who anticipates a minor amount of additional revenue but no decrease. Lyon County has seen a lot of growth. Director Schank commented that Mr. James has done a good job of painting a realistic picture for funding. Director Penzel suggested ranking the projects and create a standby list of projects in the event CWSD has additional funding.

Director Schank asked about emergency funding. There have been a lot of changes on the river, so our first priority needs to be helping the agencies that get the river back in shape after the flood and maybe not as much into the programs. Director Penzel agreed.

Mr. James noted that the Floodplain Management Fund has \$152,000 earmarked for flood protection/repair. The funding for repairing diversion structures after past flood events came from FEMA (75%), CWSD (12.5%), and individuals (12.5%). Repairs in 2006 cost approximately \$440,000. We can't fix the whole river, but we can focus on the diversion structures as valuable flood control. Director Penzel suggested keeping in mind what things support the main issue: the river and flooding on the river. The other projects can be put on the "nice to do" list. Also, FEMA has declared a State of Emergency, but where is the money? Mr. James responded that most of the work will be done in the summer and fall. Director Penzel urged getting the projects accomplished, speeding things up. We don't get things done until we have the money, so when will the money come? Mr. James responded that State Historic Preservation Office (SHPO) is a bigger issue to address in order to get the permitting. Director Penzel conceded that the second criteria is the speed with which we can more effectively get the project done.

Director Bonkowski asked about funds set aside for "planning" in the Floodplain Management Fund. Mr. James explained that it is like a contingency fund. The first priority is to clean the river and stabilize the banks; the second is flood repair from Floodplain Management Fund; and the third is the speed of project completion. Mr. James explained that some of flood repair can come from Floodplain Management Fund, but we need to save some funds for potential flooding next year. Director Schank noted that some of the funds expended this year won't have to be spent next year with the channels cleared. We may be in a two to three year flooding cycle because of how wet the snow is in the mountain.

GENERAL FUND Income: Mr. James explained that on the budget, the items in blue are grant funding and the items in red are new requests that may be altered to balance the budget. Director Penzel noted that conservation districts should maybe go farther down the list, but Mr. James explained that they are the ones who get the work done on the ground for us and that is what their requests are for.

Director Bonkowski noted that Carson City is expecting a 2.6% increase instead of the 2.3% which Mr. James projected. Staff will get the exact numbers from the Tax Department at the end of March, which will be reflected in the final budget. CWSD gets interest from investment in various

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CDs. Carson City expects to lease all the available water from both *Mud Lake* (#5022-00) and *Lost Lakes* (#5023-00) this year. Mr. James went over the grant income which is comprised of pass-through income accounts with expense accounts to offset them.

**Administrative budget:** Mr. James explained that the increases in *Salaries* (#7015-00) and *Benefits* (#7020-00) are based on the merit or longevity and COLA increases for employees who qualify. Benefits are higher in case Shane elects to take our insurance instead of being on his wife's, so benefits usually come in lower. We do get reimbursed for staff time from each grant in an amount of about 25% of the salaries account budget. During FY 2016-17, CWSD purchased a new printer and replaced three computers because of unexpected computer problems which is reflected in the higher actual expenditures than budget for *office equipment* (#7111-00).

Mr. James explained that there is not enough income to fund all the project requests this year and there are no transfers anticipated to the *Floodplain Fund* (#8009-00) or the *Acquisition/Construction (A/C) Fund* (#8002-00). He explained that the Acquisition/Construction Fund is for regional water systems. It can only be increased by transfers from General Fund and investment income. At one point, it was up to almost \$2 million, but it currently down to about \$660,000 because we have funded several construction projects. The list of potential regional projects would cost about \$1,500,000. Mr. James has already notified the groups making project requests that there is a shortfall in the CWSD budget this year and urged the group to consider what the minimum amount would be with which they could still conduct their projects.

**Multi-Year and Ongoing Projects:**

*Professional Outside Services* (#7114-00) – This account covers CWSD web and internet services and other unknown projects that may come up over the next fiscal year. \$15,000 is budgeted for this account because of computer problems.

*Lost Lakes and Mud Lake Expenses* (#7117-00 & #7118-00) – Lost Lakes expenses are high because of dam fees. Mud Lake always provides an income source with few expenses. Director Bonkowski noted that Carson City will take whatever they can get to rest their wells. Director Penzel asked if Carson City decreases its demand from the intertie because of water from Lost Lakes and Mud Lake. Director Bonkowski responded that the water replaces groundwater usage. Mr. James explained that we measure amount released and the amount Carson City takes, with 7% transportation loss.

*Integrated Watershed Projects* (#7120-00, -07, -25) - Most of these projects are pass-through grants. The watershed bus tour expense is covered by the fee and sponsors.

*Environmental Education Coordinator Program* (#7125-00) - Mr. James explained that this is a highly respected River Wranglers program covered by a NDEP grant, and Linda Conlin will give a presentation on it later in the meeting.

*Noxious Weeds Control* (#7404-00) - Mr. James pointed out that budgeting \$75,000 would give each county \$15,000 for noxious weed control. This money is being matched by federal grants.

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*FEMA MAS #6 (#7427-00)* - This phase has several study project areas which are almost completed and has \$7,760 budgeted for FY 2017-18.

*FEMA MAS #7 (#7432-00)* – This newest round of approved FEMA-funded projects has been budgeted for \$356,809 in FY 2017-18 as a pass-through grant.

*Watershed Literacy Implementation (#7429-00)* – As the continuation of the Watershed Literacy Program, this phase refined the survey results, created a Spanish version of the printed Watershed Map, and will reconfigure the online interactive Watershed Map. Only \$254 is required in FY 2017-18 for this pass-through grant.

*Watershed Literacy Implementation-Phase III (#7433-00)* – This third phase of the Watershed Literacy grant is budgeted for \$48,360 to hire a marketing firm to design a Healthy Watershed campaign with messages connecting people with their watershed, addressing polluted runoff, encouraging floodplain protection, and linking drinking water to the Carson River watershed. There will also be components for putting an interactive version of the Spanish Watershed Map on the CWSD website and hiring a consultant to create a Geomorphology 101 class for county staff and elected officials.

*National Fish & Wildlife Foundation (NFWF) Weed Grant (#7430-00)* - This two-year grant for noxious weed treatment is completed and does not include funding in FY 2017-18. Shane has been working with NFWF regarding an issue to do with the National Environmental Policy Act (NEPA) for the grant.

*BLM Weed Grant (#7431-00)* – This is the second year of a two-year grant from the Bureau of Land Management for treating weed on BLM land adjacent to private/county-owned properties, budgeted for \$14,000 in FY 2017-18.

*Alpine County CASGEM (#7600-09)* - The California Statewide Groundwater Elevation Monitoring (CASGEM) is a program that California has initiated to monitor groundwater levels. Staff gathers and prepares the data. Alpine County reimburses CWSD for its time.

*Regional Pipeline Payment to Douglas County (#7610-10)* - Mr. James explained that CWSD committed \$125,000/yr. for 20 years to both Douglas County and Carson City toward the debt service on the Douglas County/Carson City Regional Pipeline Intertie. CWSD paid for upsizing the system. Public entities may use the additional capacity without cost, but if a private entity wants to use it, CWSD would recuperate its investment.

*Regional Pipeline Payment to Carson City (#7620-11)* – This is the on-going debt service payment to Carson City for the Douglas County/Carson City pipeline intertie.

*Lahontan Valley Water Level Measurement Program (#7640-09)* – Project Proposal #1 – This is a three-year contract. They didn't spend as much last year so there is more in the budget for this year.

*Dixie Valley Water Level Measurement Program (#7640-16)* – Project Proposal #2 – An agreement is in place for this unusual project because Dixie Valley could be a source of water for Churchill



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County. This is year two of three-year contract. Groundwater recharge takes a long time in Churchill County so it won't be greatly affected by this wet year.

Director Gray joined the meeting at 9:20 a.m. The committee to a brief break at 9:25 a.m., and the meeting resumed at 9:35 a.m.

**County and Carson River Projects:**

*River Wranglers - Carson River Work Days & Vegetation Management (#7332-00)* - Project proposal #3 – This funding is used to match other grants. Linda Conlin explained that they work with the conservation districts, county departments, and private contributors to conduct the Carson River Work Days. The program pairs two-to-five fourth and fifth grade elementary school students with a high school FFA and science student to mentor them on the field trips. The grant request would allow for \$2,500 per county for Work Days, and the remaining money is spent on conservation district needs that don't easily get covered in typical conservation group grants. River Wranglers is requesting \$2,000 for overhead and travel and an additional \$6,000 to help pay for half of the living expenses of the AmeriCorps volunteer who River Wranglers shares half time with Alpine Watershed Group. The total request for \$32,000 is to do education and outreach, as well as work with the conservation districts on projects. In 2016, the program conducted work days which involved 1,091 student participants from 12 elementary and six high schools. All funds from CWSD are used as match for other funding. Ms. Conlin requested that the program be granted at least as much as last year: \$26,000

*Alpine Watershed Group – Upper Carson River Watershed Programs (#7600-05)* – Project proposal #3 – Sarah Green requested \$25,000 and explained that funding from CWSD is at the core of the Alpine Watershed Group (AWG) program and used as leverage for bigger grants. AWG's four primary programs are water monitoring, water quality, youth education, and community outreach, most focused in the Carson River watershed. Markleeville Creek Day is the largest work day and has received an outpouring of volunteer support. The East Fork Carson River restoration is an Off-Highway Vehicles (OHV) restoration project to keep OHV out of the stream corridor. To date, 1.2 miles of corridor and five miles of habitat has been restored. The Hope Valley Restoration Project is completing this year but another reach has been identified for work between two restored areas. AWG is working with broad spectrum of partnerships. CWSD's grant funding is critical to their program infrastructure/general program management. When asked their minimum amount to function, Sarah responded that they needed at least the same as this year: \$22,000.

*"Living with Beaver" Project - Dan Kaffer* – Project proposal #4A – Mr. Kaffer explained that tens of thousands of dollars are spent in beaver trapping. The population has skyrocketed. There are 100 beaver dams between Sorensen's and Red Lake. This project proposes to do stabilization of an area in Faith Valley eroded by beaver dam head cut. The total project cost is \$11,000, with \$6,600 in donated materials and labor and a request for \$4,000 from CWSD. Mr. Kaffer will come before the CWSD Board with a presentation on beaver management. River otters kill beaver so introducing river otters back into the system that may be a solution to controlling the beaver population.

*Carson Valley Conservation District (CVCD) - Carson Valley Streambank Bioengineering and Erosion Control Project (#7337-15)* - Project proposal #5 - Mike Hayes explained that CVCD is

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active in river restoration and repairs. His meeting with most of the ranchers and the East Fork Fire Protection District prior to atmospheric rivers coming through and removing 50,000 cubic yards of material near the hospital was very successful. CVCD is active with entities in the county to assess damage and grade control structure damage. He noted that residents of the Aspen Trailer Park must be evacuated during flooding.

*Carson Valley Conservation District (CVCD) – Bank Stabilization Cradlebaugh Phase #1 (#7337-17)* – Mr. Hayes explained that Rich Wilkinson would do hard rock repairs while Mr. Hayes does bioengineering/revegetation. Their request is modified to request that CWSD grant funds to CVCD and let the CVCD Board determine how to use the resources. Mr. Hayes spoke with Nevada Department of Transportation (NDOT) who is on board to be a partner upstream of Cradlebaugh Bridge. High water events has impacted NDOT structures. NDOT wants to do work like that done at Cradlebaugh to other six bridges in Carson Valley. He requested that funding be more flexible to use as CVCD Board determines to be higher priorities. They will work on getting NDWP and EQUIP grants. Spring runoff can create additional flooding. Conservation districts need state clearing and snagging funding as soon as possible.

Director Penzel asked about the source of flooding on Hwy. 395 between Minden and Carson City. Unless NDOT increases the capacity of water under the highway, it will flood there during high water events. Mr. Hayes noted that NDOT might add a culvert in the future. The Fire Chief is concerned about road closure for emergency services.

*Dayton Valley Conservation District – Lyon County Rolling A Open Space below River Park (#7337-31)* – Project proposal #7 – Rob Holley explained that Dayton Valley Conservation District (DVCD) requested carry over of \$65,747 from FY 2016-17 because of the continued delays in the permitting process to get work done last fall. He has received estimates of FEMA funding to help address the project on the Minor Ranch. He is hopeful to get grant from the U.S. Forest Service (USFS) through Lyon County Open Space. The area is covered in uncontrolled vegetation and perennial pepperweed at Rolling A. Lyon County now has water to those open space areas so that range seedings can be irrigated. This grant is a stop gap until the Fire Protection grant comes through for floodplain restoration with the additional benefit of reducing fire hazard to the nearby subdivision.

*Dayton Valley Conservation District – Project MCR 020C (#7337-31)* – Project proposal #8 – \$87,500. Mr. Holley explained that grants to Dayton Valley Conservation District (DVCD) is match for NDEP funding on bends of the river where no rip rap was installed. They have started the archeological part of the project using NDEP funding and want to stabilize the banks so water won't continue to encroach on four private properties.

*Storey County Weed Abatement (#7337-32)* - Project proposal #9 - Austin Osborne, via teleconference, explained that Storey County is requesting \$2,500 to continue the progress made on the weed treatment they've accomplished over the past several years. Weed abatement started in 2008-2009 in Six and Seven Mile Canyons and expanded to Gold Hill and Silver City. DVCD and Storey County shares resources. Storey County will contribute \$12,000, and DVCD and Storey County will make in-kind contributions. The focus is on hoary cress and other invasive weeds, supporting progress made from past years' spraying.

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*Lahontan Conservation District – Lower Carson River Clearing and Snagging (#7337-04)* - Project proposal #10 - Jackie Bogdanovicz asked for \$20,000 for Clearing and Snagging projects in the lower Carson River. From Diversion Dam to Sagouspi Lane, Lahontan Conservation District (LCD) removed most beaver dams last year so there are fewer beavers to relocate. They have had vegetation ingrowth which has been addressed by Nevada Division of Forestry (NDF) crews by scalping islands and removed large trees. The recent influx of water is expecting increase the beaver population. LCD would be grateful to receive \$15,000.

*Lahontan Conservation District – Carson River Channel Below Diversion Dam to the Carson River Sink (#7337-\_\_\_)* – Project Proposal #11 – Ms. Bogdanovicz explained that funds are for sand bar removal and bank stabilization. The channel capacity has increased and will need bank stabilization after the water recedes.

*Sierra Nevada Journeys (SNJ) Family Night (#7404-00)* - Project proposal #12 – Sean Hill presented Sierra Nevada Journey's (SNJ) funding request and explained that he oversees the educational programs to teach kids about outdoor sciences. Also, their mission is to get kids to think critically--how to think, not what to think. They conduct family science nights with stations for stormwater and groundwater models. Regarding funding and sustainability, they charge a small program fee to the schools, but this funding request is for background support for five family nights. The request is for \$3,800, but they could do four events for \$3,000.

A short break was taken at 10:40 a.m. The meeting resumed at 10:57 a.m.

### **USGS Projects**

*USGS Stream Gages (#7500-00)* – Director Schank asked why more was budgeted this year than last year for stream gages. Mr. James responded that this is a multi-year contract, and the USGS didn't bill us enough last year, so we make up for it this year. Steve Berris, Data Chief for the State of Nevada, and Kip Allander, Studies Chief for Northern Nevada, explained that the USGS provides a matching funds shortage allocation, but the Data Center's matching funds have decreased by 15%, causing the customer's portion to increase by 9%. The surface water monitoring program consists of nine gaging stations in the Carson Basin (under proposal #15). The agreements are for two years. The cost to CWSD will be \$76,500/yr. USGS has been running cost scenarios to decrease costs by dropping real time on the Daggett Creek gage (#4). This gage is not used for flood warning so real time readings are not as necessary. This saves \$1,030/yr., and the USGS could transfer those matching funds to the Dayton Bridge gage. Director Penzel asked why there are such large differences between the costs of the gages. Mr. Berris explained that some of the gages have other funding partners. The cost is \$18,000 annually per gage which includes O&M every six weeks or more often as warranted.

*Lyon County Utilities Department – USGS Maintenance Costs for River Gage in Dayton (#7630-10)* – Project proposal #14 – The request from Mike Workman is for \$10,750, but the request may be reduced to \$5,375. Steve Berris noted that USGS does not fund this gage.

*USGS – Douglas County Groundwater Collection Data (#7508-00)* – Project proposal #16 – Mr. Berris noted that the \$16,620 request measures 100 groundwater wells quarterly and 10 annually to

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determine many factors, such as nitrates and water level. If the USGS changes to semi-annual measurements, it would reduce the costs by \$2,180/yr. Matching funds from the USGS could be reapplied to another task.

*USGS – Arsenic Study (New Project)* – Project Proposal #17- Kip Allandar explained that this study is an extension of work done with CWSD last year looking at existing data and conditions which allows arsenic to be mobile. Arsenic concentrations increase with the depth of aquifer which may affect public supply wells. This proposal is to gather additional information to help characterize arsenic concentration for public supply wells, such as geochemical conditions, depth profile, and coordination with water purveyors to understand the mobility potential for arsenic. The total cost is \$43,000. The USGS is matching 30%, with an additional \$700 from the Nevada Bureau of Mines. They are asking CWSD for \$29,400 to collect additional data to make the findings from last year's project more conclusive.

### **New Projects**

*Planet Savvy – 2017 Carson Canyon Mill Site Discharge Mapping (New Project)* – Project Proposal #18 – Requesting \$3,500, Lynn Zonge from Resource Concepts Inc. (RCI) explained that this project is to capitalize on the fresh cut banks and lack of vegetation from the flood waters. It is for soils to be sampled for mercury. While on a float down the river she noticed yellow mercury markings along banks which would be helpful to map and easier to do this year. Mr. James asked if EPA or NDEP could help fund the project. Ms. Zonge said they would like to come and take some random sampling but weren't offering funding. Shane Fryer would be the drone operator, and RCI has the boating equipment to take the group downstream.

*NSHE DRI – Revised Review of Streamflow and Climate Records in the Carson System 1940-2017 (New Project)* – Project Proposal #19 -- Dr. Alexandra Lutz explained that in 2009 DRI helped evaluate climate records. With the spring happening earlier the plants are blooming earlier. From 1940-2009, DRI looked at four gages which showed a forward shift of spring flow which is statistically significant from March to June. This could possibly be because the minimum average temperature is higher, a suggested loss of streamflow between the upper and lower gages, and relatively more streamflow at Fort Churchill because of a decrease of agriculture since 1940. There has been no change in overall precipitation, rainfall, or snow water equivalent. This is to update the charts to include 2017. The study would start in October. Technology has made it easier to access data trends. DRI would update all charts, maps, and plots and provide the information to CWSD to help inform decision making for the future. Dr. Lutz would like to publish this information in comparison with the Walker River Watershed to get a better idea of the climate in our area. Their initial request of \$18,178 was reduced by \$5,000. DRI will cover one-third and two-thirds coming from CWSD.

The committee took a break for lunch at 12:20 p.m. and resumed the meeting at 12:50 p.m.

### **Item #4 - Discussion regarding the tentative Acquisition/Construction and tentative Floodplain Management Funds FY 2016-17 budgets.**

Mr. James explained that the Acquisition/Construction Fund is for regional projects. There is not a lot of activity in this fund; it is more identifying and holding funds for projects.

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In the Floodplain Management Fund, with all the flood damage that has occurred it is anticipated there will be requests for funding assistance.

**Item #5 - Discussion for possible action regarding recommendations for the tentative General Fund, Acquisition/Construction Fund, and Floodplain Management Fund FY 2016-17 budgets.**

The Finance Committee agreed to the following changes to the proposed budget:

- Outside Professional Services – 10,000
- Sierra Nevada Journeys' Family Nights - \$3,000
- USGS Stream Gauges - \$75,530
- USGS Groundwater Collection – Douglas County - \$14,440
- Carson River Work Days - \$26,000
- Combined CVCD Projects- \$80,000
- Combined DVCD Projects - \$75,000
- Storey County Weed Management - \$2,000
- Combined Lahontan Conservation District Projects - \$30,000
- Alpine Watershed Group - \$20,000
- Lyon County's Dayton Gage - \$5,375
- USGS Dayton Flood Gage - \$3,925
- Preliminary Planning reduced by \$20,000

*Director Penzel made the motion that the Finance Committee recommend that the tentative budget General Fund be approved as adjusted above. Director Jardine seconded the motion which was unanimously approved by the Finance Committee.*

*Director Bonkowski made the motion that the Finance Committee recommend that the tentative budgets for the Acquisition/Construction and Flood Management Funds be approved as submitted. Director Gray seconded the motion which was unanimously approved by the Finance Committee.*

No public comment. There being no further business to come before the Finance Committee, Director Bonkowski made a motion to adjourn which was seconded by Director Gray, and the meeting was adjourned at 12:40 p.m.

Respectfully submitted,

Toni Leffler  
Secretary

## **AGENDA ITEM #16**

## **CARSON WATER SUBCONSERVANCY DISTRICT**

**TO:** BOARD OF DIRECTORS

**FROM:** EDWIN D. JAMES

**DATE:** MARCH 15, 2017

**SUBJECT:** Agenda Item #16 - Discussion for possible action regarding funding for flood avoidance and damage. (For Possible Action)

**DISCUSSION:** There is a saying that every drought ends in a flood, and this year is no exception. The added twist this year is the amount of snow water equivalent there is in the upper watershed. Even if we get no more precipitation for the rest of the year, there is enough water in the upper watershed to flood Churchill County during runoff season.

After the 1997 and 2006 federally declared disasters, CWSD assisted with the repairs to the various diversions (also known as grade control structures) along the Carson River. Not only did CWSD help to deal with the FEMA paper work, but CWSD also provided some matching funds.

In Fiscal Year 2009-10, CWSD created the Floodplain Management Fund. One of the purposes of the Fund was to provide some financial assistance to farmers impacted by a flood event. The Fund was also used to help counties deal with flood projects such as the Highway 88 Culvert project in Douglas County. Since this is the first time CWSD has had a federally declared disaster since the Fund account was created, staff is looking for direction on how much funding assistance we can provide and what process we want to use regarding what projects we want to help fund.

**STAFF RECOMMENDATION:** Provide direction to staff.



## **AGENDA ITEM #17**

**CARSON WATER SUBCONSERVANCY DISTRICT**

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 15, 2017

SUBJECT: Agenda Item #17 - Discussion for possible action regarding the runoff prediction for 2017

DISCUSSION: Staff will give an update on the current 2017 runoff prediction.

STAFF RECOMMENDATION: Receive and file.

## **STAFF REPORTS**

## **CARSON WATER SUBCONSERVANCY DISTRICT**

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 15, 2017

SUBJECT: Agenda Item #18 - Staff reports. (For Information Only)

DISCUSSION: The following is a list of meetings/activities attended by Ed James and staff since the last Board meeting on February 15, 2017:

- 2/16/17 – Toni listened to the AB42 hearing by the Assembly Committee on Government Affairs online.
- 2/16/17 – Ed participated in a NWRA Board meeting in Reno.
- 2/21/17 – Ed, Brenda, Shane, and Debbie participated in the EPA/NDEP Mercury Superfund Site tour in Lyon County.
- 2/22-23/17 – Ed, Brenda, Shane, and Debbie participated in the 2017 CRC Watershed Forum in Carson City and the EPA/NDEP Mercury workshop.
- 2/24/17 – Ed, Brenda, Shane, and Debbie met to discuss the Request for Qualifications (RFQ) for Discovery and Floodplain Management.
- 2/28/17 – Ed and Toni participated in the CWSD Finance Committee meeting to discuss the FY 2017-18 budget and hear presentations for project grant requests.
- 2/28/17 – Ed gave a presentation regarding CWSD to the Nevada Senate Committee on Natural Resources.
- 2/28-3/2/17 – Debbie participated in an Emergency Management Cost Benefit class.
- 3/1/17 – Ed met with Mike Workman, Lyon County Utilities Manager, and Damon McAllister of Farr West regarding the USGS collecting LiDAR data for the Mark Twain area.
- 3/1/17 – Brenda listened to the National Weather Service weather briefing.
- 3/2/17 – Ed attended the hearings for SB74 and SB51 by the Senate Committee on Natural Resources at the Legislature.
- 3/3/17 – Ed participated in a meeting with Carson Valley ranchers, the East Fork Fire Department, and Douglas County staff regarding flood repairs in Douglas County.
- 3/6/17 – Brenda helped Linda Conlin of River Wranglers with the Montessori School's trout release at Baily Pond in Carson City.
- 3/6/17 – Ed listened to the AB79 hearing by the Assembly Committee on Government Affairs online.
- 3/6/17 – Brenda participated in the Nevada Booklet Check-In conference call.
- 3/7/17 – Brenda and Debbie met to discuss the video projects
- 3/7/17 – Ed attended a Truckee Carson Irrigation District Board meeting regarding the Bureau of Reclamation update on the releases from Lahontan Reservoir and impacts.
- 3/7/17 – Ed gave an update on the flood repairs to the Dayton Valley Conservation District (DVCD) Board in Dayton.

- 3/8/17 – Ed, Brenda, and Debbie participated in a Carson River Flood Management Workshop in Carson City.
- 3/8/17 – Ed, Brenda, Debbie, and Toni participated in a Risk Mapping, Assessment, and Planning (MAP) Charter meeting.
- 3/8/17 – Brenda met with Austin Osborne of Storey County to discuss Storey County projects to include in the Stewardship Plan Update.
- 3/9/17 – Ed and Brenda participated in an Alluvial Fan Workshop update conference call.
- 3/10/17 – Debbie helped Linda Conlin of the River Wranglers with a Trout in the Classroom fish release at Baily Pond.
- 3/14/17 – Ed participated in a Carson Truckee Water Conservancy District (CTWCD) Board of Directors meeting.
- 3/14/17 – Brenda participated in an EPA Science to Achieve Results (STAR) Grants webinar.

Additional meetings/activities anticipated by staff until the end of March include:

- 3/16/17 – Ed will attend the Lyon County Board of Commissioners meeting regarding a Ramsey Canyon presentation by Kimley-Horn.
- 3/16/17 – Debbie will participate in the FEMA Mapping Information Platform (MIP) Users call.
- 3/27/17 – Staff will meet with Chris Utley of Geeks of Nevada to discuss a comprehensive computer networking plan.
- 3/29/17 – Shane and Toni will participate in a 2017 Flood Awareness Week (FAW) planning meeting.
- 3/29/17 – Brenda will participate in a Clean Water State Revolving Fund webinar.

STAFF RECOMMENDATION: Receive and file.

**NO CORRESPONDENCE**