

AGENDA ITEM #15

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES 

DATE: MARCH 18, 2015

SUBJECT: Agenda Item #15 – Discussion for possible action regarding a report by the General Manager on the FEMA Cooperative Technical Partnership training on February 22-26, 2015

DISCUSSION: For the week of February 23-27, 2015, the General Manager attended the FEMA Cooperative Technical Partnership (CTP) Training Program in Emmitsville, Maryland. He will give a report on what he learned, particularly in reference to the FEMA MAS grants managed by CWSD.

STAFF RECOMMENDATION: Receive and file.

AGENDA ITEM #16

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES 

DATE: MARCH 18, 2015

SUBJECT: Agenda Item #16 – Discussion for possible action regarding an update on the Nevada Legislature.

DISCUSSION: Below is a brief description of various BDRs and Bills that staff is monitoring:

AB 19 (formerly BDR 456) - This bill modifies when you need to hold a public hearing on the tentative budget. This bill was amend and was passed by the Committee on Government Affairs.

AB 77 (formerly BDR 346) - This is a large bill but most of the bill does not affect CWSD. There is some discussion regarding noxious weeds. This bill was heard on 2/19/15 and is still in committee.

AB 198 (formerly BDR 805) - This bill would require the Legislative Committee on Public Lands to conduct a study concerning water conservation and alternative sources of water for Nevada communities. This bill was heard on 3/5/15 in Assembly Committee on Legislative Operations and Elections. Several large water agencies spoke in support of the bill. No one spoke against the bill. The bill is still in committee.

SB 28 (formerly BDR 464) - This bill would allow government agencies to charge a fee for the actual time it takes for someone to gather information for a public records request. There was a lot of opposition to this bill. Most of the opposition came from individuals, news organizations, and the ACLU. Their concerns had to do with the limiting of access to information due to costs.

SB 45 (formerly BDR 361) - This bill would allow the State Conservation Commission *“... to distribute grants of money to conservation districts in unequal amounts.”* This bill was passed through the Senate and was heard in the Assembly Committee on Natural Resources on 3/6/15.

SB 65 & SB 81(formerly BDR 366 & BDR 367) – Both these bills were introduced by the State Engineer. The bills were first heard in Senate Committee on Government Affairs on 2/11/15. There was a lot of discussion regarding these two bills and they were sent to work sessions held by the State Engineer. The State Engineer held three work sessions, and the bill will now be sent back to the Senate Committee on Government Affairs.

SB 70 (formerly BDR 155) - This bill makes some general changes to the Open Meeting law. Some of the changes are:

3/18/15 CWSD Board Meeting
Agenda Item #16 - Legislative Update

- Clarifies a "Quorum" for a public meeting. This does not impact CWSD since our quorum is defined in NRS.
- Defines "Working Days" for posting.
- Prohibits a member of a public body from designating someone else to attend the meeting on their behalf.
- Requires public bodies to approve the minutes of a meeting at the next board meeting.
- Modifies Attorney General rules regarding Open Meeting violations.

The bill was heard by the Senate Committee on Government Affairs on 2/25/15. No action was taken.

A couple of other bills were introduced that deal with water but do not impact our watershed. These bills are:

SB 173 which has to do with the requirement of the mining industry to get a water right for pit mines; and

SB 202 which has to do with hydraulic fracturing in the State.

Also, Assemblywoman Robin Titus may be introducing **BDR 1130** which would provide funding to the State's Clearing and Snagging Fund.

STAFF RECOMMENDATION: Provide direction to CWSD staff as appropriate.

ASSEMBLY AGENDA
COMMITTEE ON NATURAL RESOURCES, AGRICULTURE, AND MINING

Day Thursday Date February 19, 2015 Start Time 1:30 p.m. Room 3138
Room 3138 of the Legislative Building, 401 S. Carson St., Carson City, NV.

A.B. 77 Makes various changes relating to the regulation of agriculture. (BDR 49-346)

A.B. 79 Revises provisions relating to agriculture. (BDR 50-345)

Overview

Carson Water Subconservancy District
Edwin James, General Manager

Humboldt River Basin Water Authority
Mike Baughman, Executive Director

Matters continued from a previous meeting.

Possible Committee BDR introductions.

Public comment.

Unless waived by the Chair, proposed amendments, handouts and other exhibits for a hearing must be submitted electronically in PDF format to the Committee Manager at AsmNRAM@asm.state.nv.us no later than 2:00 p.m. on the business day prior to the meeting.

Proposed amendments must be submitted in writing to the committee along with the sponsor's name, contact information, and the intent of the amendment.

If you cannot attend the meeting, you can listen to it live over the Internet. The address for the legislative website is <http://www.leg.state.nv.us>. For audio broadcasts, click on the link "Calendar of Meetings."

Note: We are pleased to make reasonable accommodations for members of the public who are disabled and wish to attend the meeting. If special arrangements for the meeting are necessary, please notify the Assembly Committee on Natural Resources, Agriculture, and Mining at (775) 684-6738.

(R#) Indicates the reprint number of the bill/resolution being considered.

PLEASE PROVIDE 20 COPIES OF YOUR DOCUMENTS.



AGENDA ITEM #17

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES 

DATE: March 18, 2015

SUBJECT: Agenda Item #17 - Discussion for possible action regarding the 2015 Water Rate Report for the Carson River Watershed.

DISCUSSION: Attached is a draft of the 2015 *Water & Sewer Rate Report for the Carson River Watershed with Sewer Rate Supplement*. This is an annual advisory report that CWSD has been preparing for several years. It is used by several water purveyors and consultants throughout the watershed. Upon approval by this Board, a link to the report will be sent to all Water Purveyors in the watershed and posted on the CWSD website.

The report lists the retail connection fees, base rates, usage rates, and additional fees charged by each purveyor in the Carson River watershed. Entities that raised their rates:

- Carson City
- Churchill County
- Douglas County
- Indian Hills GID
- Lyon County
- Silver Springs
- Stagecoach GID
- Storey County

The report also includes water rate comparison of Truckee Meadows Water Authority's (TMWA) water rates as listed on its' website. Note TMWA took over Washoe County water operations for Washoe County, so TMWA rates apply to all water connections in Truckee Meadows.

STAFF RECOMMENDATION: Accept the *2015 Water Rate Report as presented*.

Water Rates in the Carson River Watershed

3-18-2014

Includes Sewer Rates Supplement

Compiled by
Carson Water Subconservancy District

TABLE OF CONTENTS

WATER RATES IN THE CARSON RIVER WATERSHED

CARSON CITY	4
CHURCHILL COUNTY	7
DOUGLAS COUNTY	9
FALLON	11
GARDNERVILLE RANCHOS GENERAL IMPROVEMENT DISTRICT	13
GARDNERVILLE WATER COMPANY	15
INDIAN HILLS GENERAL IMPROVEMENT DISTRICT	18
LYON COUNTY	20
TOWN OF MINDEN	22
SILVER SPRINGS MUTUAL WATER COMPANY	24
STAGECOACH GENERAL IMPROVEMENT DISTRICT	26
STOREY COUNTY	28
TRUCKEE MEADOWS WATER AUTHORITY	30
WASHOE COUNTY	33

SEWER RATES IN THE CARSON RIVER WATERSHED

CARSON CITY SEWER RATES	35
CHURCHILL COUNTY SEWER RATES	36
DOUGLAS COUNTY SEWER RATES	37
FALLON SEWER RATES	38
GARDNERVILLE RANCHOS GENERAL IMPROVEMENT DISTRICT SEWER RATES	39
INDIAN HILLS GENERAL IMPROVEMENT DISTRICT SEWER RATES	40
LYON COUNTY DAYTON – MOUNDHOUSE SEWER RATES	41
LYON COUNTY SILVER SPRINGS SEWER RATES	43
MINDEN – GARDNERVILLE SANITATION DISTRICT SEWER RATES	44
STOREY COUNTY SEWER RATES	45

Carson City

Population of Service Area:	54,115 *	DRAFT
Annual Demand (AF):	11,756 **	
Service Connections:	17,577	
Residential:	14,504	
Multi-Family:	414	
Commercial:	1,966	
Irrigation:	not split out	
Other:	693 Inactive	
Metered Connections:	100%	
Unmetered Connections:	0	
Re-Use Connections:	5 (Effluent use at capacity)	
Bill Frequency:	monthly	
Unidentified		
System Losses:	<3%	
Conservation Plan:	Yes	
Reason for		
Water Conservation:	Meet peak demands	
Rate Change Effective:	July 1, 2014, and each July 1 through FY 2017	
Expect Rate Change in the upcoming year?	Yes, July 1, 2015	

* 2015 Community Development estimate

** 2014 Total Production

Carson City

Carson City Water Rates:

Effective Date: 7/1/2014 7/1/2015

	Base Rate*	Base Rate*
≤ 5/8"	\$ 22.68	\$ 24.15
1"	\$ 34.51	\$ 36.75
1 1/2"	\$ 51.51	\$ 54.86
2"	\$ 64.09	\$ 68.25
3"	\$ 93.66	\$ 99.75
4"	\$ 123.24	\$ 131.25
6"	\$ 182.40	\$ 194.25
10"	\$ 453.53	\$ 483.01
Multi-Family Per Unit:	\$ 8.03	\$ 8.55
Single Family Residential	Single Family Residential	
Usage Chg per	Usage Chg	
k/gal*	per k/gal*	
≤ 3 in base	≤ 2 in base	
≥ 4 ≤ 5 @ <u>\$1.26</u>	≥ 3 ≤ 5 @ <u>\$1.44</u>	
≥ 6 ≤ 30 @ <u>\$2.57</u>	≥ 6 ≤ 30 @ <u>\$2.75</u>	
> 30 @ <u>\$4.41</u>	> 30 @ <u>\$4.59</u>	
Multifamily Residential	Multifamily Residential	
Usage Chg per	Usage Chg	
k/gal*	per k/gal*	
≤ 3 in base	≤ 2 in base	
≥ 4 ≤ 19 @ <u>\$1.20</u>	≥ 3 ≤ 19 @ <u>\$1.48</u>	
≥ 20 ≤ 49 @ <u>\$1.85</u>	≥ 20 ≤ 49 @ <u>\$1.91</u>	
> 49 @ <u>\$2.81</u>	> 49 @ <u>\$2.55</u>	
Commercial	Commercial	
Usage Chg per	Usage Chg	
k/gal*	per k/gal*	
≤ 3 in base	≤ 2 in base	
≥ 4 ≤ 19 @ <u>\$2.71</u>	≥ 3 ≤ 19 @ <u>\$3.01</u>	
≥ 20 ≤ 49 @ <u>\$3.00</u>	≥ 20 ≤ 49 @ <u>\$3.19</u>	
> 49 @ <u>\$3.94</u>	> 49 @ <u>\$3.82</u>	
Industrial / Manufacturing	Industrial / Manufacturing	
Usage Chg per	Usage Chg	
k/gal*	per k/gal*	
\$3.82 per k/gal	\$3.78 per k/gal	
Large Commercial	Large Commercial	
Usage Chg per	Usage Chg	
k/gal	per k/gal	
\$3.82 per k/gal	\$3.78 per k/gal	

* Increased rates from previous year are underlined; Decreased rates from previous year are *italicized*.

Carson City

Connection Fees:

Residential:

Meter Only

≤ 5/8"	\$409.50
1"	\$493.50
1 1/2"	\$661.50
2"	\$819.00
3"	\$2,341.50
4"	\$3,990.00
6"	\$7,350.00

Meter & Service Installation

≤ 5/8"	\$1,522.50
1"	\$1,785.00
1 1/2"	\$2,835.00
2"	\$3,675.00
3"	\$5,880.00
4"	\$9,754.45
6"	\$14,280.00

Commercial:

Commercial Connection

Single Family Residence =	1.0 WERC
Each living unit of Duplexes =	1.0 WERC
Each living unit of Apartments =	0.5 WERC
Mobile Home Lot =	1.0 WERC
Mobile Home Pad in Park =	0.5 WERC

Other Charges/Fees:

\$27.30/mo + a commodity rate equal to the highest commodity charge for commercial water service for each 1,000 gallons. (7/1/2014 rate is \$3.94 per k/gal; 7/1/2015 rate is \$3.82 per k/gal).

Construction/Water Truck Service:

Irrigation Water:

N/A

Stormwater:

Rate increase effective 10/1/2013

Classification:

Monthly Rate

Single Family Property	\$4.38
Multi Family Property	\$22.56
Public Property	\$24.64
Manufacturing Property	\$29.38
Commercial Property	\$31.51

1/2015 Updated by Dave Bruketta and Carson City staff

Churchill County

Population of Service Area: ±674
Annual Demand (AF): 145
Service Connections: 257
 Residential: 246
 Multi-Family:
 Commercial: 11
 Irrigation:
 Other:

DRAFT

Metered Connections: 100%
Unmetered Connections: 0
Re-Use Connections: 0
Bill Frequency: monthly
Unidentified
System Losses: Unknown
Conservation Plan: Yes
Reason for
Water Conservation: Long-term sustainability
Rate Increase Effective: 1/1/2015

Churchill County Residential and Commercial Water Rates

Residential:		
	Base Rate	Usage Chg
Small Domestic ≤ 1"	\$ 46.20	k/gal
Large Domestic 1 1/2"	\$ 69.20	≤6@\$2.10
2"	\$ 107.70	>6≤20@\$2.60
3"	\$ 225.50	>20@\$3.15
4"	\$ 328.00	
6"	\$ 656.00	
Commercial:		
	Base Rate	Usage Chg
Small Commercial		k/gal
≤ 1"	\$ 69.20	≤6@\$2.10
		>6≤20@\$2.60
		>20@\$3.15
Large Commercial		
1 1/2"	\$ 69.20	≤20@\$.0025
2"	\$ 107.70	>20≤40@\$.0030
3"	\$ 225.50	>40-60@\$.0035
4"	\$ 328.00	>60@\$.0040
6+"	\$ 656.00	

Expect Rate Change in the upcoming year? 2.5% annually January 1

Churchill County

Connection Fees:

Residential:	Connection Privilege Fee	Service Connection Installation
	≤ 3/4" \$ 7,200.00	\$ 450.00
Commercial:		
	≤ 3/4" \$ 7,000.00	\$ 450.00
	1" \$ 7,600.00	\$ 550.00
	1 1/2" \$ 9,200.00	Actual Cost
	2" \$ 11,000.00	Actual Cost
	>2" an amount greater than \$11,000 set by Churchill County	

Other Charges/Fees:

Construction/Water Truck Service: \$150/mo + \$2.60/1000 gal

Irrigation Water: No information at this time

Stormwater: No information at this time

2/2015 Information provided by Churchill County

Douglas County

Population of Service Area: 5,391 DRAFT

Annual Demand (AF): 1,925

Service Connections: 2,440

Residential: 2,109

Multi-Family: 0

Commercial: 216

Irrigation: 115

Other: 0

Metered Connections: 100%

Unmetered Connections: 0

Re-Use Connections: 0

Bill Frequency: monthly

Unidentified System Losses: <4%

Conservation Plan: Yes

Reason for Water Rate Increase: Better water management

Effective: 10/1/2014 Water rates will increase July 1 through FY 2018 - 2019.

Residential:		
Includes East Valley, West Valley, Fairgrounds, N. County, Sheridan Acres, & Job's Peak		
	Base Rate	Usage Chg ² k/gal
≤5/8" \$	23.72	
3/4" \$	23.72	0≥8@\$2.39
1" \$	49.03	>9-24@ \$2.97
1.5" \$	90.61	>24@\$4.28
2" \$	141.93	

Expect Rate Change in the upcoming year? Yes

Water rates will change annually July 1 through FY 2018-2019

Douglas County

Commercial:			Irrigation Water:		
Includes East Valley, West Valley, Fairgrounds, N. County, Sheridan Acres, & Job's Peak			Includes East Valley, West Valley, Fairgrounds, N. County, Sheridan Acres, & Job's Peak		
	Base Rate	Usage Chg		Base Rate	Usage Chg
≤5/8 "	\$ 27.76	k/gal	≤5/8 "	\$ 14.85	k/gal
3/4"	\$ 27.76	all @\$2.96	3/4"	\$ 14.85	all @\$3.18
1"	\$ 59.13		1"	\$ 26.86	
1 1/2"	\$ 110.82		1 1/2"	\$ 46.28	
2"	\$ 174.24		2"	\$ 70.97	
3"	\$ 355.17		3"	\$ 148.64	
4"	\$ 544.78		4"	\$ 222.07	
6"	\$ 1,068.41				
8"	\$ 1,695.87				

Water Connection Fees:

Includes East Valley, West Valley, Fairgrounds, N. County, Sheridan Acres, & Job's Peak

≤5/8 "	\$ 4,219.00
3/4"	\$ 4,219.00
1"	\$ 10,548.00
1 1/2"	\$ 21,096.00
2"	\$ 33,753.00
3"	\$ 67,506.00
4"	\$ 105,479.00
6"	\$ 210,958.00
8"	\$ 337,532.00

Other Charges/Fees:

Monthly Private Fire Charges

Includes East Valley, West Valley, Fairgrounds, N. County, Sheridan Acres, & Job's Peak

With Domestic Service -			
	Residential & Domestic	Without Domestic Service - Residential	Without Domestic Service - Commercial
≤5/8 "	\$ 2.28	\$ 14.24	\$ 24.41
3/4"	\$ 2.28	\$ 14.24	\$ 24.41
1"	\$ 3.19	\$ 15.15	\$ 25.33
1 1/2"	\$ 4.11	\$ 16.06	\$ 26.24
2"	\$ 6.61	\$ 18.57	\$ 28.75
2 1/2 "	\$ 15.97	\$ 27.93	\$ 38.11
3"	\$ 25.10	\$ 37.04	\$ 47.22
4"	\$ 31.94	\$ 43.89	\$ 54.07
6"	\$ 47.90	\$ 59.86	\$ 70.03
8"	\$ 66.15	\$ 78.11	\$ 88.29

Water Truck Service: \$100/mo + \$3.00/1000 gal

2/2015 Information provided by Carl Ruschmeyer and staff

City of Fallon

Population of Service Area:	8,606	DRAFT
Annual Demand (AF):	2,334	
Service Connections:	3,178	
Residential:	2,851	
Multi-Family:	0	
Commercial:	0	
Irrigation:	0	
Other:	0	
Metered Connections:	3,178	
Unmetered Connections:	N/A	
Re-Use Connections:	N/A	
Bill Frequency:	monthly	
Unidentified		
System Losses:	N/A	
Conservation Plan:	Yes	
Reason for	N/A	
Water Conservation:		
Rate Increase Effective:	N/A	

City of Fallon Residential and Commercial Water Rates

All Rate Classes: **Treatment**

		Base Rate	Serve Charge	Usage Chg
		per Mo.	per Mo.	per K/gal
3/4"	\$	15.00	\$22.48	\$1.43
1"	\$	33.18	\$37.55	\$1.43
1 1/2"	\$	66.37	\$74.89	\$1.43
2"	\$	107.02	\$119.87	\$1.43
3"	\$	221.53	\$224.88	\$1.43
4"	\$	321.05	\$374.88	\$1.43
6"	\$	642.10	\$749.76	\$1.43

Expect Rate Change in the upcoming year? **No**

City of Fallon

Connection Fees:

		EDUs
3/4"	\$ 4,000	1
1"	\$ 8,000	2
1 1/2"	\$ 16,000	4
2"	\$ 25,600	6.4
3"	\$ 64,000	16
4"	\$ 160,000	40
6"	\$ 320,000	80

3/4" connection = 1 EDU = 1.12 af/yr

1 EDU = \$8,000

Other Charges/Fees:

Construction/Water Truck Service:	\$ 25.00	per month
Usage charge per hcf:	\$ 3.50	
	\$ 250.00	Deposit

2/2015 Information from Jim Souba, City of Fallon Engineer

Gardnerville Ranchos GID

Population of Service Area:	10,500	DRAFT
Annual Demand (AF):		
Service Connections:	4,161	
Residential:	4,121	
Multi-Family:		
Commercial:	48	
Irrigation:		
Other:		
Metered Connections:	1,668 used for billing	
Unmetered Connections:	Partial: As houses sell, they are transferred to metered billing	
Re-Use Connections:	0 or as title changes	
Bill Frequency:	monthly & quarterly	
Unidentified		
System Losses:	Unknown	
Conservation Plan:	Yes	
Reason for		
Water Conservation:	Meet State Requirements	
Rate Increase Effective:	N/A	

Gardnerville Ranchos GID Residential and Commercial Water Rates

Residential/Commercial Rates:			
	In GRGID Base Rate	Usage Chg k/gal	
Flat Rate Monthly	\$ 21.50	None	Customers pay quarterly in advance.
Metered Monthly	\$ 21.50	≤ 10 In Base	
	Outside GRGID		
	\$ 33.00	>10@\$0.90	
		≤ 10 In Base	
		>10@\$0.90	
Unit Charge:	For each unit in excess of one (1) unit served from a single metered service connection, the unit charge shall be \$29.00 per unit.		

Expect Rate Change in the upcoming year?	No, Water and sewer connection fees increased on March 6, 2013 for lots not currently in the District (future annexations) Tentatively fees will increase 01/01/2020 for all
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Gardnerville Ranchos GID

Connection Fees:

Service Size:	Connection Fee:	Adopted
3/4"	\$ 1,855	\$4,950
1"	\$ 2,790	\$8,250
1 1/2"	\$ 7,050	\$16,500
2"	\$ 13,350	\$26,400
2.5"	\$ 21,550	\$29,600
3"	\$ 32,375	\$52,800
4"	\$ 60,000	\$82,500
Deposit Required: \$ 100.00 May be waived with demonstration of good credit		

Other Charges/Fees:

Re-initiation of Disconnected fee:

New Customer

3/4" and 1"	\$ 50.00
> 1"	Equal to cost of materials/labor for such replacement or reading shall be paid.

Reconnection after non-payment of water bill:

3/4" and 1"	\$ 50.00
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Construction/Water Truck Service:	\$ 75.00 per month for hydrant monthly meter chg
	\$ 1,000.00 Deposit

Standby Fire Protection

Service Connection for fire	\$ 750.00
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Fire Connection Standby Fee:	\$ 12.00 per month for each commercial hookup
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Inspection Fees for Service

Construction: Included in connection fee

Inspection Fees for Line

Extensions: Actual cost of full-time inspection and testing

Late or Non-payment fee:	\$ 5.00 per month
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Bad Check Fee:	\$ 30.00
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Reconnection after non-payment of water bill:	\$50.00
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Reconnection or connection charge:	\$ 50.00
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Maintenance Fee for lots with homes on them but water is off	\$12.50 per month
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2/2015 Information provided by Bob Spellberg

Gardnerville Water Company

Population of Service Area:	5,200	DRAFT
Annual Demand (AF):	1,445	
Service Connections:	2,456	
Residential:	2,027	
Commercial:	347	
Irrigation:	82	
Other:		
Metered Connections:	100%	
Unmetered Connections:	0	
Re-Use Connections:	0	
Bill Frequency:	Bi-monthly	
Unidentified		
System Losses:	5-10%	
Conservation Plan:	Yes	
Reason for		
Water Conservation:	Delay the need for investment in new infrastructure	
Rate Increase Effective:	1/1/2014	

Gardnerville Water Company Residential and Commercial Water Rates

Residential:	Bimonthly rate		Usage Chg k/gal
	Base Rate		
	3/4"	\$ 29.00	≤8 in base
	1"	\$ 38.00	>8@\$1.33
	1 1/2"	\$ 53.00	
	2"	\$ 68.00	
	3"	\$ 293.00	
	4"	\$ 343.00	
	6"	\$ 393.00	
	8"	\$ 443.00	

Commercial:	Bimonthly Rate		Usage Chg k/gal
	Base Rate		
	3/4"	\$ 29.00	≤20@\$1.23
	1"	\$ 38.00	>20@\$1.76
	1 1/2"	\$ 53.00	
	2"	\$ 68.00	
	3"	\$ 293.00	
	4"	\$ 343.00	
	6"	\$ 393.00	
	8"	\$ 443.00	

Expect Rate Change in the upcoming year?

Rates are reviewed annually, but do not anticipate a rate increase for the next couple of years.

Gardnerville Water Company

Connection Fees:

Standard Impact Fees - Residential*

3/4"	\$	11,455.00
1"	\$	11,505.00
1 1/2"	\$	13,390.00
2"	\$	14,225.00
3"	\$	14,030.00
4"	\$	14,580.00
6"	\$	15,480.00
8"	\$	16,080.00

* Without Water Rights
\$7,220 per ERU
(Equivalent Residential Unit)

Standard Impact Fees- Commercial*

3/4"	\$	12,855.00
1"	\$	14,705.00
1 1/2"	\$	18,790.00
2"	\$	22,625.00
3"	\$	39,430.00
4"	\$	64,980.00
6"	\$	95,880.00
8"	\$	113,480.00

Other Charges/Fees:

Construction Water Charge \$ 3.00 per k/gal

Irrigation Use Charge k/gal ≤300@\$1.33 per k/gal

>300@\$1.77 per k/gal

Reconnect Fee \$ 50.00 per occurrence

Returned Payment Charge \$ 35.00

Final Read Fee \$ 25.00

*No charge for first 2 service calls. Charged
after 2nd visit per calendar year.

Service Calls* \$ 10.00

After-Hours Service** \$ 50.00 ** Non - emergency

Other Fees:

Penalty on Late Payment 10%

Annexation Fee per ac. \$ 500.00

Fixture Unit Cost: \$ 315.00

Gardnerville Water Company

Theft of Water Fines

First Offense	\$	50.00
Second Offense	\$	200.00
Third Offense	\$	500.00
Fourth Offense	\$	1,000.00
Water Rights Cost	\$	12,900.00 per acre feet

Bi-Monthly Private Fire Fees

Meter Size	Bi-Monthly Fee
3/4"	\$ 4.93
1"	\$ 6.58
1 1/2"	\$ 9.87
2"	\$ 13.16
2 1/2"	\$ 16.45
3"	\$ 19.74
4"	\$ 26.32
6"	\$ 39.48
8"	\$ 52.64
Private Hydrant	\$ 39.48

Sewer Service Provided by Minden - Gardnerville Sanitation District

2/2015 Information provided by Mark Gonzales

Indian Hills GID

Population of Service Area: 5,627 DRAFT
Annual Demand (AF): 788
Service Connections: 1,939
 Residential: 1,867
 Multi-Family:
 Commercial: 72
 Irrigation:
 Other:
Metered Connections: 100%
Unmetered Connections: 0
Re-Use Connections: 1 effluent used at Sunridge Golf Course
Bill Frequency: monthly
Unidentified
System Losses: ±1%
Conservation Plan: Yes
Reason for
Water Conservation: Meet state requirements
Rate Increase Effective: 8/1/2014

Indian Hills Residential and Commercial Water Rates

All Rate Classes:		
	Base Rate	Usage Chg k/gal
3/4" \$	26.34	< 10 @\$1.95
1" \$	41.16	≥ 10 @ \$2.30
1.5" \$	86.02	
2" \$	126.45	
3" \$	211.17	
4" \$	426.56	
6" \$	622.78	
8" \$	940.16	

Expect Rate Change in the upcoming year? Rates will increase annually 8/1 through FY 2018

Connection Fees:

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

Indian Hills GID

Other Charges/Fees:

Construction/Water Truck Service:

Connection Fee:
\$ 150.00

Usage Chg
k/gal

< 50 @ \$2.50

> 50 < 100 @ \$3.00

> 100 @ \$3.75

Penalty Fee:	\$	500.00	Connecting to hydrant without notifying District
Tampering with Water Meter	\$	250.00	
Business Hours Service Call	\$	30.00	
After Hours Service Call	\$	60.00	
Storm Water:	\$	0.10	monthly
Sign-Up Fee:	\$	15.00	

2/2015 Information provided by John Lufrano and Indian Hills GID staff

Lyon County - Dayton and Moundhouse

DRAFT

	2014 Water	
Population of Service Area:	14,670	
Annual Demand (AF):	3,009	
Service Connections:	5,993	
Residential:	5,268	
Multi-Family:	124	
Commercial:	601	
Irrigation:		
Other:		
Metered Connections:	100%	
Unmetered Connections:	0	
Re-Use Connections:	1	
Bill Frequency:	monthly	
Unidentified		
System Losses:	6%	
Conservation Plan:	Yes	
Reason for	Develop predictable water use trends, consumptive use profiles,	
Water Conservation:	planning horizons	
Rate Increase Effective:	7/1/2014	

Dayton Valley & Moundhouse Residential and Commercial Water Rates

Residential:	FY 2014	FY 2015	Usage Chg
	Base Rate	Base Rate	k/gal
3/4" \$	23.58	24.16	≤5 in base >5@\$2.90
Low-Income Single -family \$	15.80	16.19	
Commercial:	FY 2014	FY 2015	Usage Chg
	Base Rate	Base Rate	k/gal
3/4 " \$	23.58	\$ 24.16	≤5 in base
1" \$	31.95	\$ 32.75	>5@\$2.90
1 1/2" \$	45.85	\$ 46.99	
2" \$	62.54	\$ 64.11	
3" \$	107.03	\$ 109.71	
4" \$	157.09	\$ 161.01	
6" \$	179.27	\$ 183.75	
8" \$	226.45	\$ 232.11	

Expect Rate Change in the upcoming year? Increase annually on 7/1 through FY 2018

Lyon County - Dayton and Moundhouse

Water Connection Fees:

DRAFT

Dayton and Mound House

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

Other Charges/Fees:

Water Truck Service:	\$	2.90	per k/gal
Groundwater Impact Fee		\$1.00	per month

SEWER RATES

FY 2014 FY 2015

RESIDENTIAL	\$53.40	\$54.74
MULTI FAMILY	\$48.65	\$49.87
COMMERCIAL - BASE	\$21.91	\$22.46
- COST PER 1,000	\$3.93	\$4.02

2/2015 Information provided by Mike Workman and staff

Town of Minden

Population of Service Area:	3,003	DRAFT
Annual Demand (AF):	1,702	
Service Connections:	1,667	
Residential:	1,414	
*Multi-Family:		
Commercial:	245	
Irrigation:		
***Other:	8	
**Metered Connections:	864	
Unmetered Connections:	803	
Re-Use Connections:		
Bill Frequency:	quarterly-residential; monthly-commercial ☐	
Unidentified		
System Losses:	Unknown	
Conservation Plan:	Yes/2007 (Update currently in Progress for 2015)	
Reason for		
Water Conservation:	Meets State requirement	
Rate Increase Effective:	N/A	

Town of Minden Residential and Commercial Water Rates

Residential Flat Rate:		In Service Area Fees		Out of Area Service Fees	
		Monthly	Quarterly	Monthly	Quarterly
Single Family	\$	28.95	\$ 86.85	\$ 38.80	\$ 116.40
Patio Home	\$	25.60	\$ 76.80		
Office Residential	\$	28.95	\$ 86.85		
Commercial :					
Metered:		Base Rate		Out of Area Service Fees	
				Commercial - Metered	
3/4"	\$	24.05	Usage Chg	\$ 32.25	Usage Chg
1"	\$	27.30	k/gal	\$ 36.60	k/gal
1 1/2"	\$	37.60	≤50@\$1.50	\$ 50.40	≤50k @\$2.05
2"	\$	61.40	<50≤100@\$1.65	\$ 82.30	>50-100k @\$2.25
3"	\$	122.75	>100@\$1.85	\$ 164.50	>100k @\$2.50
4" or larger	\$	151.45		\$ 203.60	
Unmetered:	\$	21.32	per month per equivalent dwelling unit		

Expect Rate Change in the upcoming year? No

*Multi Family Connections are billed either as Residential or Commercial connections, depending on the criteria met. There is no Multi-Family billing category.

**864 Metered Connections, but only 245 (commercial) are billed at a metered rate. The other 415 are Metered Residential customers who pay a flat rate and 5 are metered town property with no charge.

***Other denotes town property metered with no charge

Town of Minden

Connection Fees:

Residential		brings	town provides	
		water right		water right
	single family 3/4"	\$4,650		\$11,785
	single family 1"	\$5,215		\$12,440
	multi-family unit 3/4"	\$4,105		\$9,525
	multi-family unit 1"	\$4,680		\$10,100
Residential >1" pays non-residential rate				
Non-Residential				
		Fixed Cost		
	3/4"	\$1,010	Variable	Variable
	1"	\$1,665	cost/edu	cost of w/r
	1 1/2"	\$3,520	\$3,000	\$6,450 af
	2"	\$5,500		2.55 edus
	3"	\$10,650		per af/yr
	4"	\$16,450		
	>4"	case by case		

Other Charges/Fees:

Construction/Water Truck Service:

Base Rate	Usage Chg
Monthly	k/gal
\$ 50.00	\$1.50 per k/gal ≤50k
	\$1.65 per k/gal >50-100k
	\$1.85 per k/gal >100k

Fire Hydrant Standby Fee

1	\$ 18.20	Up to 3" line	\$ 18.20
2	\$ 36.50	4" line	\$ 24.35
3	\$ 54.10	6" line	\$ 36.50
4	\$ 73.05	8" line	\$ 48.65

Fire Sprinkler Standby Fee

Sewer Service Provided by Minden - Gardnerville Sanitation District

2/2015 Information provided by Town of Minden staff

Silver Springs Mutual Water Company

Population of Service Area:	2,813	DRAFT
Annual Demand (AF):	546	
Service Connections:	1,088	
Residential:	966	
Multi-Family:		
Commercial:	119	
Irrigation:		
Other:	3 Industrial	
Metered Connections:	100%	
Unmetered Connections:	0	
Re-Use Connections:		
Bill Frequency:	monthly	
Unidentified		
System Losses:	Unknown	
Conservation Plan:	Yes	
Reason for		
Water Conservation:	We live in a desert climate.	
Rate Increase Effective:	10/1/2014	

Silver Springs Mutual Water Company Residential and Commercial Water Rates

Residential:		Zone 1	Zone 2	Usage Chg	
	Residential	Base Rate	Base Rate		k/gal
	3/4"	\$ 45.00	\$ 49.00	< 15 in base	
	1"	\$ 75.15	\$ 81.83	≥15@\$2.00	
	1 1/2"	\$ 149.85	\$ 163.17		
	2"	\$ 239.85	\$ 261.17		
	3"	\$ 480.15	\$ 522.83		
	4"	\$ 750.15	\$ 816.83		
	6"	\$ 1,499.85	\$ 1,633.17		
Commercial/Industrial:		Zone 1	Zone 2	Usage	Trailer Parks, Apartments, Motels**
		Base Rate	Base Rate	Usage	Usage Chg
				< 15 in	
	3/4"	\$ 49.00	\$ 53.00	base	Silver Springs
				≥15@	MHP \$282.49 < 5 in base
	1"	\$ 81.83	\$ 88.51	\$2.00	Five Star
					MHP \$282.49 ≥5@\$2.00
	1 1/2"	\$ 163.17	\$ 176.49		Pioneer MHP
					\$163.17 < 15 in base
	2"	\$ 261.17	\$ 282.49		Silverado
	3"	\$ 522.83	\$ 565.51		Senior Apts. \$234.52 ≥15@\$2.00
	4"	\$ 816.83	\$ 883.51		
	6"	\$ 1,499.85	\$ 1,766.49		** Entire Business

Expect Rate Change in the upcoming year? Expect rate change October 2016.

Silver Springs Mutual Water Company

Connection Fees:

3/4"	\$3,200	+actual cost
1"	\$5,300	+actual cost
1 1/2"	\$10,500	+actual cost
2"	\$16,800	+actual cost
3"	\$33,600	+actual cost
4"	\$57,700	+actual cost
6"	\$105,000	+actual cost
4" Fire	\$5,000	System Service Line
6" Fire	\$7,500	System Service Line

Construction Water:

	Monthly Base Rate	Usage Chg k/gal
Hydrant Meter Acco	\$30.00	≤50 @ \$2.75 >50 ≤100 @ \$3.50 >100 @ \$4.50
Bulk Water Account	\$20.00	≤50 @ \$2.75 >50 ≤100 @ \$3.50 >100 @ \$4.50

Other Charges/Fees:

Other Fees

Returned Check:	\$25.00
Admin Fee/ Collector	\$20.00

Service Calls:

Regular Hours	\$25.00
After Hours/Holidays	\$50.00
Establish Service	\$25.00
Transfer Service	\$25.00
24 Hour Disconnect	
Notice	\$15.00
Reconnection Fee	\$50.00
After-Hours	
Reconnection	\$75.00
Stand-by Fire line	
Charge	\$10.00
Vector Unit/Dump	
Truck	\$125.00 hourly
Backhoe	\$125.00 hourly
Tamper/Asphalt	
Saw/Generator	\$25.00 hourly
Pickup or Utility	
Truck	\$25.00 hourly

2/2015 Information provided by Roy McDonald

Stagecoach GID

Population of Service Area:	1,282	DRAFT
Annual Demand (AF):	248	
Service Connections:	549	
Residential:	543	
Multi-Family:	2	
Commercial:	4	
Irrigation:		
Other:		
Metered Connections:	100%	
Unmetered Connections:	0	
Re-Use Connections:	0	
Bill Frequency:	monthly	
Unidentified		
System Losses:	9%	
Conservation Plan:	Yes/2007	
Reason for		
Water Conservation:	Prudent use of natural resources	
Rate Increase Effective:	1/1/2015	

Stagecoach GID Residential and Commercial Water Rates

Residential:		
	Base Rate	Usage Chg k/gal
	\$ 54.00	≤25 in base >25@\$3.00
Commercial:		
	Base Rate	Usage Chg k/gal
	1" \$ 76.90	
	1 1/2 " \$ 94.01	≤25 in base
	2" \$ 122.80	>25@\$3.50
	3" \$ 179.60	>50≤100@\$4.00
	4" \$ 237.11	>100@\$5.00
	6" \$ 351.49	
Water Dedication	.67 af per parcel	
	1 hook-up - none	
	split parcels - .67 af/parcel	

Expect Rate Change in the upcoming year?	Rates will increase annually at the beginning of the calendar year based on the Social Security Increase.
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Stagecoach GID

Connection Fees:

Residential All Sizes	\$5,000.00	District & Expansion Lots
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Commerical Hook Fees

Fee schedule will be the basis for assessing commercial hook-up fees.

Equivalent Residential Unit	GDP	Connection Fee	Dedication of Water Right
1	600	1 X residential fee	None
2	1,200	2 X residential fee	.67 acre feet
3	1,800	3 X residential fee	1.34 acre feet
4	2,400	4 X residential fee	2.01 acre feet

Plus additional cost for meter larger than 3/4 X 5/8.

2/2015 Information provided by Lynne Arndell

Storey County

Population of Service Area: 1,300 DRAFT
Annual Demand (AF):
Service Connections: 705
 Residential: 485
 Multi-Family:
 Commercial: 220
 Irrigation:
 Other:
Metered Connections: 100%
Unmetered Connections: 0
Re-Use Connections:
Bill Frequency: monthly
Unidentified
System Losses: Unknown
Conservation Plan: Yes
Reason for
Water Conservation: Meet State Requirements
Rate Increase Effective: 7/1/2014

Storey County Residential and Commercial Water Rates

Residential:		
	Base Rate	Usage Chg k/gal
	\$ 32.46	≤2 in base >2@\$2.79
Commercial:		
	Base Rate	Usage Chg k/gal
Commercial	49.62	≤2 in base >2@\$3.70

Expect Rate Change in the upcoming year?

Board approves annual increases at beginning of fiscal year (July 1) until rates are comparable to neighboring jurisdictions

Storey County

Water Connection Fees:

Standard Connection Fees with meter

Residential

Within 50 feet of main line	3/4"	\$ 2,500.00
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Commercial

Within 50 feet of main line	3/4"	\$ 4,100.00
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Other Charges/Fees:

Returned Check Fee:	\$ 25.00
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Disconnect Fee for Non-payment	\$ 60.00
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Disconnect/Reconnect Fee	\$ 10.00
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Service Calls	No Fees
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Total Disconnect fee	\$1,200.00
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2/2015 Information provided by Austin Osborne & Susan Breylinger

Truckee Meadows Water Authority

Truckee Meadows Water Authority Residential and Commercial Water Rates

For Information Purposes only - from TMWA Website

Residential:				
		Metered		
		Base Rate	Usage Chg	Flat Rate
			k/gal	
≤3/4"	\$	18.54		≤3/4" \$ 100.63
1"	\$	20.40	≤ 6@\$1.72	1" \$ 144.90
1 1/2"	\$	23.20	>6-28@\$2.78	1 1/2" \$ 262.60
2"	\$	26.90	>28@\$3.25	2" \$ 374.30
3"	\$	30.60		3" \$ 469.90
4"	\$	32.50		4" \$ 595.70
6"	\$	40.80		

Commercial:						
Commercial				Tier Quantities in k/gal		
	Base Rate			Tier 1	Tier 2	Tier3
≤3/4"	\$	18.54	Usage Chg	0-7	>7-30	>30
1"	\$	20.40	k/gal	0-14	>14-65	>65
1 1/2"	\$	23.20	Tier 1: \$1.72	0-28	>28-120	>120
2"	\$	26.90	Tier 2: \$2.78	0-50	>55-210	>210
3"	\$	30.60	Tier 3: \$3.25	0-165	>200-640	>640
4"	\$	32.50		0-300	>380-1,300	>1,300
6"	\$	40.80		0-1,000	>1,360-2,600	>2,600
8"	\$	47.30		0-1,475	>1,475-6,000	>6,000
10"	\$	55.60		0-9,500	>9,500-15,000	>15,000

See pages 2 - 3 for schedule of connection fees

From TMWA Website: http://tmwa.com/customer_services/waterrates/

Accessed 2/19/2015

Truckee Meadows Water Authority

TMWA Connection Fees

A. Design report or letter for NAC Compliance

	Engineering & Resources	Design or Drafting of "W-1" Plan	Inspection or Distribution Crew
1. Final Map	\$ 1,500.00	na	na
2. Tentative Map			
a. Discovery Fee	See Item E	na	na
b. Water Service Acknowledgement Letter	\$ 100.00	na	na
3. Other new or Modified water system facilities			
a. Commercial	\$ 1,100.00	na	na
b. Multi-tenant	\$ 1,100.00	na	na
c. Feeder of project main	\$ 1,100.00	na	na

B. Engineering and Planning review, approval, and inspection of water system facilities

	Engineering & Resources	Design or Drafting of "W-1" Plan	Inspection or Distribution Crew
1. New Service, or Modified Service for:			
a. Residential	\$ 150.00	\$ 500.00	\$ 150.00
b. Residential	\$ 720.00	na	\$ 150.00
i. Add for each point of inspection	\$ 15.00	na	\$ 150.00
c. Commercial & Industrial	\$ 300.00	\$ 750.00	\$ 150.00
a. Residential: single service tap with service pipe and meter facility (non-subdivision)			
b. Residential subdivisions, multi-tenant, and commercial/industrial with main			
c. Commercial, industrial, tenant improvements, Irrigation, fire protection or non-potable (includes up to three service taps with service pipes and/or meter facilities)			
i. Add for each additional service tap	\$ 150.00	\$ 250.00	\$ 150.00
2. Fire Hydrant	\$ 150.00	\$ 500.00	\$ 150.00
3. Feeder or project main only	\$ 720.00	na	\$ 150.00
a. Add per lineal foot	na	na	\$ 1.00
b. Add for each point of inspection along main	\$ 15.00	na	\$ 150.00
4. Retirements and domestic well disconnections	na	na	\$ 150.00

Truckee Meadows Water Authority

TMWA Connection Fees

C. Installation of Service Tap	Engineering & Resources	Design or Drafting of "W-1" Plan	Inspection or Distribution Crew
1. Tapping < 2 inches	na	na	\$ 400.00
2. Tapping > than 12 inches	na	na	\$ 500.00
3. Construction standards/costs	na	na	\$ 500.00
1. Tapping up to 2" hot tap (Light or 2-man crew) 2. Tapping greater than 12 inches are subject to Authority rules 3. Construction standards, and costs are the responsibility of the applicant			
	Engineering & Resources	Design or Drafting of "W-1" Plan	Inspection or Distribution Crew
D. Design review and inspection	\$ 430.00	na	\$ 2,380.00
D. Pressure regulating station design review and inspection (includes set-up of station)			
E. Due diligence fees for water projects			
1. Annexation	\$ 1,500.00	na	na
2. Discovery - Level 1	\$ 720.00	na	na
3. Discovery - Level 2	\$ 1,440.00	na	na
4. Hardship Letters:			
a. Parcels/Lots < 500 ft from TMWA	\$ 150.00	na	na
b. Parcels/Lots > 500 ft from TMWA	\$ 50.00	na	na
a. For parcels or lot less than 500 ft from the Authority's water system facilities			
b. For parcel or lot greater than 500 ft. from the Authority's water system facilities			
TMWA connections from Website: Business Service Fees			
Connection Fees	Engineering & Resources	Design or Drafting of "W-1" Plan	Inspection or Distribution Crew
F. Due diligence for property and water resources			
1. Research / Title Non-permitted water rights	\$ 250.00	na	na
2. Research/Title Permitted Water rights	\$ 100.00	na	na
3. Tenant improvement of Water Resource Credit(s)	\$ 150.00	na	na
4. Easement, right-of-way, etc.	\$ 150.00	na	na
5. Document preparation	\$ 100.00	na	na
1. Due diligence fees to research and verify title of non-permitted water rights, per parcel			
2. Due diligence to research and verify title of permitted water rights, per parcel			
3. Due diligence fees for tenant improvement of water resource credit (s)			
4. Due diligence fees for easement, right--of-way or fee property dedications per parcel			
5. Preparation of documents			

Washoe County

Water Rates for Informational purposes only

**As of 1/2015 Truckee Meadows Water Authority took over Washoe County Water Utility;
see Truckee Meadows Water Authority for rates.**

Sewer Rates in the Carson River Watershed

3-18-2015

Supplement to Water Rates in the Carson River
Watershed

Compiled by
Carson Water Subconservancy District

Carson City Sewer Rates

Carson City Sewer Rates:

DRAFT

Effective:	7/1/2014	7/1/2015	7/1/2016	7/1/2017
Flat Rates:				
Single - Family Residential (per unit)	\$ 29.68	\$ 33.01	\$ 36.61	\$ 40.45
Multi Family Residential (per unit)	\$ 17.53	\$ 20.29	\$ 23.48	\$ 27.18
Metered Rates:				
Low-Strength Commercial				
Base Charge	\$ 21.17	\$ 27.60	\$ 34.03	\$ 40.45
Volume charge (per 1,000 gallons of metered domestic water)	\$ 4.41	\$ 5.03	\$ 5.82	\$ 6.78
High-Strength Commercial				
Base Charge	\$ 21.17	\$ 27.60	\$ 34.03	\$ 40.45
Volume charge (per 1,000 gallons of metered domestic water)	\$ 6.44	\$ 7.91	\$ 9.73	\$ 11.98
Septage haulers shall be charged \$45.60 for the first 1,000 gallons or fraction thereof plus \$0.047 per gallon for each gallon in excess of the first 1,000 gallons.				
Septage haulers				
Base Charge	\$ 45.60	0 - 1,000 gallons		
per gallon for each gallon >1,000 gallons	\$ 0.047			

Sewer Connection Fees:	\$ 577.00	per the sewer equivalent residential customer value.
Sewer Equivalent Residential Customer (SERC)	SERC	
Single Family Residential	1.00	
Duplex (each living unit)	1.00	
Apartment (each living unit)	0.50	
Mobile Home		
Individual Lot	1.00	
Mobile Home Park (each	0.50	
All others, per SERC	1.00	

Each SERC is equal to 250 gallons, per 12.02.030

For all other sewer connections not specified above, connection charge will be based on the "total SERC" of proposed development. Value will be assigned by utility director or his designee.

Connection Fees currently under review.

2/2015 updated by Dave Bruketta & Carson City staff

Churchill County Sewer Rates

Churchill County Sewer Rates:

DRAFT

Effective:

1/1/2015

Flat Sewer Rates:

Single - Family Residential (per unit)	\$ 50.80
Multi Family Residential (per unit)	\$ 50.80

Metered Sewer Rates:

Low-Strength Commercial	
Base Charge	\$ 50.80
Volume charge (per 1,000 gallons of metered domestic water when > 10,000 gpm)	\$ 4.20
High-Strength Commercial	
Base Charge	\$ 50.80
Volume charge (per 1,000 gallons of metered domestic water when > 10,000 gpm)	\$ 4.20 plus additional surcharge as determined by Churchill County

Sewer Connection Fees:

Single Family Residential	\$ 6,500.00	Connection privilege & capital costs before connection to the Churchill County sewer services.
Commercial	Base Rate	\$ 6,500.00
	Base Rate +	\$ 325.00
		Included: 15 ERUs per ERU equivalent when > 15 ERUs Calculation of ERU units will be performed using flow formula by Churchill County Building Department

2/2015 Information provided by Churchill County

Douglas County Sewer Rates

North Valley Wastewater Facility

DRAFT

Rate Effective: 10/1/2014 Sewer Rate will increase every year on July 1 through FY 2018-2019.

Monthly Sewer Rates \$ 64.43 per EDU 1 EDU = 250 gallons
 \$ 0.11 per gallon for domestic septage*

* As a practical matter, Douglas County does not accept septage at the North Valley Wastewater Facility, but the \$0.11 per gallon charge is still in place on the books.

Sewer Connection Fees

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

2/2015 Information provided by Carl Ruschmeyer and staff

City of Fallon Sewer Rates

City of Fallon Sewer Rates:

DRAFT

Flat Rates:

Single - Family Residential (per unit)	\$	25.00	per month
Multi Family Residential (per unit)	\$	25.00	per month

Metered Rates:

Commercial Normal

Base Charge	\$	8.33	per month
Volume charge (per 1,000 gallons of metered domestic water)	\$	1.55	per kgal metered water

High-Strength Commercial

Base Charge	\$	8.33	per month
Volume charge (per 1,000 gallons of metered domestic water)			Determined on a case-by-case basis

Sewer Connection Fees:

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

2/2015 Information from Jim Souba, City of Fallon Engineer

**Gardnerville Ranchos GID
Sewer Rates**

DRAFT

Monthly Sewer User Fees:

Category One:	\$ 21.50	Original Contract
Category Two:	\$ 14.50	Discount for GRGID line maintenance

A rate increase of \$.50 per month will commence for the July 2014 billing.

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

2/2015 Information provided by Bob Spellberg

**Indian Hills GID
Sewer Rates**

DRAFT

Monthly Sewer Fees:

Residential Flat Rate	\$	34.32	
Commercial	\$	34.32	per EDU
			250 gpd = 1 EDU
			Additional charges determined by IHGID if discharge contains non-standard constituents
Sewer Connection Fees:			
Single Family Residential	\$	5,130.00	

2/2015 Information provided by John Lufrano and Indian Hills GID staff

**Lyon County - Dayton and Moundhouse
Sewer Rates**

DRAFT

	2013 Sewer
Population of Service Area:	11,973
Annual Demand (AF):	N/A
Service Connections:	4,506
Residential:	4,259
Multi-Family:	117
Commercial:	130
Irrigation:	
Other:	
Metered Connections:	100%
Rate Increase Effective:	7/1/2009

Lyon County Sewer Rates for Moundhouse & Dayton:

Flat Rates:

Single - Family Residential (per unit)	\$	53.40	per month
Multi Family Residential (per unit)	\$	47.75	per month
Low Income Single - Family Residential	\$	35.17	per month

Metered Rates:

Commercial & Industrial			
Base Charge (No Usage Allowance)	\$	21.01	per month
Volume charge (per 1,000 gallons of metered domestic water)	\$	3.83	per k/gal
High-Strength Commercial			
Base Charge	\$	21.01	per month
Volume charge (per 1,000 gallons of metered domestic water)		Determined on a case-by-case basis	

Lyon County - Dayton and Moundhouse

Sewer Rates

Sewer Connection Fees:

DRAFT

Single Family Residential				
Reimbursement Fee - Collection	\$	307.00		
Bond Payments Fee	\$	2,200.00		
Capital Facility Charge	\$	7,109.00		
Total Sewer Service Connection Fee	\$	9,616.00		
		TSS (per lb.per	BOD (per lb.	
Non-resident or Mixed Uses	Flow (per gpd)	day)	per day)	
Reimbursement Fee - Collection	\$	1.53	\$	-
Bond Payments Fee	\$	8.14	\$	867.00
Capital Facility Charge	\$	26.30	\$	2,801.00
Total Sewer Service Connection Fee	\$	35.97	\$	3,668.00
One Single Family Dwelling Unit (EDU) refers to a single family unit with an estimated sewage flow of 200 gpd and sewage strength not to exceed 200 mg per liter of biochemical oxygen demand (BOD) and 200 mg per liter for total suspended solids (TSS).				
The number of single family EDUs per residential uses.				
Residential Use	Equivalent Single Family Dwelling Unit			
Single Family Residential	1			
Residential Duplex	2			
Residential Triplex	3			
Residential Fourplex	4			
Apartments	Number of Single Family Units			
Mobile Home	1			

2/2015 Information provided by Mike Workman and staff

Lyon County - Silver Springs Sewer Rates

Rate Increase Effective:

7/1/2014

DRAFT

Lyon County Sewer Rates for Silver Springs:

Residential	\$	20.00	per EDU	Except 8.5 EDUs
Commercial	\$	30.00	per EDU	
Rate Codes		EDU Cost		EDU Cost
		1	\$	20.00
		1.5	\$	30.00
		2	\$	40.00
		2.5	\$	50.00
		2.7	\$	54.00
		2.8	\$	56.00
		3	\$	60.00
		3.1	\$	62.00
		4	\$	80.00
		5.2	\$	104.00
		5.5	\$	110.00
		6	\$	120.00
		8.5	\$	235.00
		10	\$	200.00
		11	\$	220.00
		11.9	\$	238.00
		19	\$	380.00
		25	\$	500.00
		33	\$	660.00
		35	\$	700.00
		38	\$	760.00
		197	\$	3,940.00

One Single Family Dwelling Unit (EDU) refers to a single family unit with an estimated sewage flow of 242 gpd.

Sewer Connection Fees:

The majority of customers pay connection fee via tax assessment

However, if the connection fee did not have an assessment, the fee would be \$8,264.00

2/2015 Information provided by Mike Workman and staff and Roy McDonald and staff

Minden Gardnerville Sanitation District

Sewer Rates

DRAFT

Population of Service Area:

Annual Demand (AF): N/A

Service Connections:

Residential:	2,800
*Multi-Family:	50
Commercial:	350
Irrigation:	0
***Other:	0

**Metered Connections:

Unmetered Connections: 3,200

Re-Use Connections:

Bill Frequency: Quarterly

Unidentified

System Losses: Unknown

Conservation Plan: N/A

Reason for

Water Conservation: N/A

Rate Increase Effective: N/A

Sewer Fees

Sewer User Fees are billed quarterly as follows:

First Quarter:	\$	41.40	per EDU
Second Quarter:	\$	41.86	per EDU
Third Quarter:	\$	42.32	per EDU
Fourth Quarter:	\$	42.32	per EDU

Connection Fees:

Residential

\$ 275.00 includes 1 EDU

Commercial

\$ 300.00 per EDU
Capacity fee \$ 3,800.00

Minden - Gardnerville Sanitation District serves customers in Minden and Gardnerville. The Minden-Gardnerville Sanitation District has a contract with Gardnerville Ranchos GID to provide sewer service to the area. Gardnerville Ranchos GID bills its residents for sewer service.

Expect Rate Change in the upcoming year?

No

2/2015 Information provided by Frank Johnson and staff

**Storey County
Sewer Rates**

Population of Service Area: 1,300

DRAFT

Rate Increase Effective: 7/1/2014

Sewer Fees:

Residential		
Flat Rate	\$ 27.73	No usage fee
Standby *	\$ 13.86	
Commercial		
Flat fee:	\$ 37.77	Include 2,000 gallons of water usage
Usage fee:	\$ 2.14	per additional k/gal of water usage
Standby *	\$ 18.88	
Reconnect Fee	\$ 60.00	
*Standby fee is equal to to half the monthly water and sewer rates.		

Sewer Connection Fees:

Standard Connection Fees with meter	
Residential	\$ 3,300.00
Commercial	\$ 4,800.00

2/2015 Information provided by Austin Osborne & Susan Breylinger

AGENDA ITEM #18

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES 

DATE: MARCH 18, 2015

SUBJECT: Agenda Item #18 - Discussion for possible action regarding an update on the runoff predictions for 2015.


DISCUSSION: Staff will give an update on the runoff predictions for 2015.

STAFF RECOMMENDATION: Receive and file.

STAFF REPORTS

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES 

DATE: MARCH 18, 2015

SUBJECT: Agenda Item #19 - Staff reports

DISCUSSION: The following is a list of meetings/activities attended by Ed James and staff since the last Board meeting on February 18, 2015:

- 2/20-21/15 - Courtney manned a CWSD/CRC booth at the Eagles and Agriculture event in Douglas County.
- 2/19/15 - Ed gave a presentation to the Assembly Committee on Natural Resources regarding CWSD activities.
- 2/19/15 - Brenda, Debbie, and Toni tested audiovisuals at the Dayton Community Center as the venue for the 4/22/15 CRC Floodplain Management Forum and researched caterers for events in the area.
- 2/23-27/15 - Ed attended the FEMA Cooperative Technical Partnership training in Emmitsburg, MD.
- 2/24/15 - Debbie participated in a meeting with interested parties regarding the Silver Springs drainage area development.
- 2/24/15 - Brenda took a tour of the Voltaire Canyon rumble pit with Ann Bollinger and Rich Wilkinson of Carson City.
- 2/25/15 - Brenda attended a Nevada Silver Jackets meeting in Reno.
- 3/4/15 - Ed and Toni participated in the Finance Committee meeting to hear project proposals and determine the FY 2014-15 budget.
- 3/4/15 - Brenda, Courtney, and Debbie met with Brandon Robinson of RDM Infinity regarding the CWSD website.
- 3/5/15 - Courtney attended in a Carson City Weed Coalition presentation by Jamie Greer of the Nevada Department of Agriculture.
- 3/5/15 - Ed attended the Assembly Committee on Legislative Operations and Elections meeting regarding AB 198 requiring the Legislative Committee on Public Lands to conduct a study concerning water conservation and alternative sources of water for Nevada communities.
- 3/6/15 - Brenda, Courtney, Duane Petite of The Nature Conservancy, and Mary Kay Wagner of NDEP had a teleconference with Mark Duda of Responsive Management regarding the Watershed-Literacy Survey.
- 3/6/15 - Ed participated in a State Engineer's workshop regarding SB 81 dealing with critical management areas and SB 65 to clean up some of their statutes.
- 3/6/15 - Ed attended the Central Nevada Regional Water Authority Board meeting.

- 3/6/15 - Ed and Debbie met to review grant reporting information from the FEMA Cooperative Technical Partner training that Ed attended
- 3/7/15 - Ed participated in the interview panel for Dayton Valley Conservation District's Manager in Dayton.
- 3/9/15 - Ed was interviewed by University of Nevada Cooperative Extension personnel regarding water resource planning.
- 3/9/15 - Ed participated in a meeting with USGS and the Federal Water Master regarding modeling the Carson River.
- 3/10/15 - Ed participated in a meeting with Robb Fellows of Carson City and Geoff Brownell of Michael Baker Engineering regarding the Eagle Valley drainage.
- 3/10/15 - Ed participated in the Carson Truckee Water Conservancy District Board meeting.
- 3/10/15 - Courtney participated in a GREENevada meeting at the Desert Research Institute (DRI) in Reno.
- 3/11/15 - Ed and Brenda met with Steve Lewis of the University of Nevada Cooperative Extension to discuss the 3/27/15 CWSD Strategic Planning Session.
- 3/11/15 - Ed participated in a Nevada Water Resource Association (NWRA) Board meeting.
- 3/11/15 - Brenda, Courtney, Toni, and the CRC Weed Working Group participated in a meeting with Dean Tonena of the Bureau of Land Management (BLM) regarding the BLM Resource Management Plan for weeds.
- 3/13/15 - Ed participated in a NWRA meeting.
- 3/17/15 - Courtney and Toni participated in a CRC Education Working Group meeting.
- 3/17/15 - Courtney participated in a River Network webinar regarding Innovative Funding Mechanisms.
- 3/18/15 - Ed and Courtney listened to a webcast regarding the Environmental Law Institute (ELI)/The Nature Conservancy (TNC) Watershed Approach Handbook.

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

- 3/25/15 - Ed will participate in a water supply movie screening and discussion panel at the Gardnerville Community Center.
- 3/26/15 - Courtney will participate in a webinar regarding the Stream Channel Repair and Restoration After Extreme Flooding.
- 3/27/15 - Staff and Board will participate in a Strategic Planning Session in the Nevada Association of Counties' (NACO) Conference Room.

STAFF RECOMMENDATION: Receive and file.

CORRESPONDENCE



USACE Considers Changes for PL 84-99 Program

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

Background on Public Law 84-99. The U.S. Army Corps of Engineers (USACE) has authority under Public Law 84-99 (PL 84-99) to undertake activities including disaster preparedness and advance measures, emergency operations including flood response and post-flood response, and the rehabilitation of flood risk management projects damaged or destroyed by floods. PL 84-99 authorities also include the protection or repair of federally-authorized Coastal Storm Damage Reduction projects.

USACE Considering Changes to the Implementation of PL 84-99. USACE is considering changes to policies and procedures for activities administered under authority of PL 84-99. These changes will update USACE policies to align with national preparedness and response frameworks, encourage broader flood risk management activities by sponsors, reduce repetitive damage to projects and incorporate a life cycle risk management approach to Civil Works disaster preparedness, response and recovery. These changes support the agency's strategic direction and advances in risk-informed decision making, increased risk awareness communications, improved relationships with non-federal sponsors and enhanced long-term sustainability and resiliency of projects.

The USACE will implement policies in accordance with the following guiding principles:

- Effective risk management and levee safety includes working with non-federal sponsors and stakeholders to assess, communicate, and manage life-safety risks.
- Federal assistance under PL 84-99 supplements tribal, state, and local efforts, and does not replace them.
- Non-federal sponsors have primary responsibility for operations and maintenance (O&M) of flood control works and risk communication activities associated with their projects.
- USACE will promote the use of a risk-informed decision making process to guide non-federal sponsors' O&M activities and inspection activities for flood control projects.
- USACE will encourage a collaborative approach to address complex natural resources issues, Tribal Treaty Rights, and complex systemic deficiencies.

Highlights of Specific Policy Changes Being Considered

- ♦ **Developing Additional Guidance for Advance Measures.** Specific guidance for the development of improvements to structures or other Advance Measures will address increased short term flood risk in areas downstream of areas denuded by wild land fire. Consider adjusting cost share requirements to align with permanent structure construction policy. Consider additional types of Advance Measures and related performance requirements for non-federal sponsors.
- ♦ **Revising Eligibility for Rehabilitation Program.** Consider changes to eligibility criteria for rehabilitation assistance from a strict condition-based assessment to a set of requirements that encourage flood risk management activities such as emergency preparedness planning, risk communication and prioritizing maintenance activities based on risk. Overall system rating will no longer be the determining factor for eligibility. However, USACE will continue to conduct inspections and risk assessments and provide results to non-federal sponsors. Inspection results should guide operations and maintenance activities, identify potential problem areas early, and provide information for sponsors to use when prioritizing and sequencing risk management activities.
- ♦ **Improving Collaboration to Address Complicated Natural Resources Challenges and System-Wide Repairs.** Formally incorporate System-Wide Improvement Framework tenets, which allow sponsors to retain

eligibility for rehabilitation assistance while conducting longer-term, system-wide improvement activities beyond usual operations and maintenance. This includes activities related to addressing complex natural resources challenges or treaties with tribes that require additional time and coordination. The purpose is to ensure the imperatives of public safety, Tribal Treaty Rights, and environmental requirements are adequately met.

- ◆ ***Mitigating Impacts to Threatened or Endangered Species and Tribal Treaty Rights During Project Rehabilitation.*** Incorporate additional guidance on types of features and approaches that can be incorporated into project repairs (i.e., planting berms, set-back levees) to mitigate impacts to threatened and endangered species and Tribal Treaty Rights.
- ◆ ***Early identification of Potential Nonstructural Alternative Projects (NSAPs).*** Expand the ability to investigate non-structural alternatives to a structural repair where sponsors are willing. This will allow non-structural alternatives to receive more consideration in the tight timeframes associated with rehabilitation assistance.

Stakeholder Feedback on Advance Notice of Proposed Rulemaking. USACE is soliciting stakeholder feedback on the overall policy concepts being considered through an Advance Notice of Proposed Rulemaking (ANPR). The ANPR is available at <http://www.regulations.gov>. The ANPR provides background information on PL 84-99 authority, objectives of the policy changes under consideration, summary of the policy concepts, and targeted questions to help focus public comments. The ANPR has a 60-day comment period through which interested parties can provide input prior to the development of the Proposed Rule for 33 CFR Part 203. Comments may be submitted:

- Electronically at www.regulations.gov
- Via email to 33CFR203@usace.army.mil
- By mail to HQ, US Army Corps of Engineers, ATTN: 33CFR203/CECW-HS/3D64, 441 G Street NW, Washington DC 20314-1000

Future Opportunities to Provide Input. Following the ANPR comment review, USACE will update and publish the Proposed Rule for a 60-day comment period, revise the document based on comments received, publish the Final Rule, and then revise USACE internal guidance for 33 CFR Part 203 implementation.

For Additional Information. If you are interested in learning more about the PL 84-99 Program and/or your opportunities to provide input to changes to this program please contact Jeffrey Jensen Jeffrey.D.Jensen@usace.army.mil.

**EXECUTIVE OFFICE OF THE PRESIDENT
COUNCIL ON ENVIRONMENTAL QUALITY
WASHINGTON, D.C. 20503**

**FOR IMMEDIATE RELEASE
January 30, 2015**

Contact: press@ceq.eop.gov

FACT SHEET: Taking Action to Protect Communities and Reduce the Cost of Future Flood Disasters

Across the country, extreme weather and other impacts of climate change are threatening the health, safety, and prosperity of our communities. This month, NOAA and NASA announced that 2014 was the hottest global year on record. And as the planet continues to warm, impacts like rising sea levels, intensified storms, and heavy downpours are contributing to an increased risk of flooding. President Obama is committed to ensuring that American communities thrive in the face of a changing climate. That is why, today, the President signed an Executive Order establishing a flood standard that will reduce the risk and cost of future flood disasters by requiring all Federal investments in and affecting floodplains to meet higher flood risk standards. By requiring that Federally funded buildings, roads and other infrastructure are constructed to better withstand the impacts of flooding, the President's action will support the thousands of communities that have strengthened their local floodplain management codes and standards, and will help ensure Federal projects last as long as intended.

This new Federal Flood Risk Management Standard, called for by the President's State, Local and Tribal Task Force on Climate Preparedness and Resilience, builds on the unprecedented actions President Obama has taken to support communities as they prepare for the impacts of climate change. Agencies will have flexibility in implementing the new Standard and will incorporate input from the public and stakeholders as they move forward, including through a series of public listening sessions across the country. This week, the Army Corps of Engineers released a comprehensive study that evaluates flood risks to the coastal areas affected by Hurricane Sandy and provides a framework to help communities address increasing flood risks. The study, which was called for by Congress, emphasizes the importance of improved planning, and notes that managing coastal storm risk is a shared responsibility by all levels of government. The Administration has made significant investments in resilient disaster recovery in the wake of devastating storms like Hurricane Sandy to ensure that infrastructure projects factor in climate impacts like rising sea levels, and to invest in making transit systems more resilient to flooding and extreme weather.

Flood Impacts on Communities

Floods leave behind big costs for communities and taxpayers. Between 1980 and 2013, the United States suffered more than \$260 billion in flood-related damages. Recent examples include record flooding from excessive rainfall in central and northern Illinois in April 2013 that damaged homes and businesses and caused an estimated \$1 billion in losses. And damages from Hurricane Sandy in 2012 – when high wind and coastal storm surge devastated the Northeast – are estimated at \$67 billion, with recovery efforts still ongoing.

More than 50 percent of Americans live in coastal counties, where key infrastructure and evacuation routes are increasingly vulnerable to impacts like higher sea levels, storm surges, and flooding. And according to the National Climate Assessment, more than \$1 trillion of property and structures in the U.S. are at risk of inundation from sea level rise of two feet above current sea level – an elevation that could be reached as early as 2050. That further jeopardizes the critical infrastructure Americans depend on every day for housing, transportation, energy, water supply, and more.

Protecting Communities and Reducing the Cost of Flood Disasters

In 2013, the President's Hurricane Sandy Rebuilding Task Force adopted a higher flood standard for the Sandy-affected region to ensure that Federally funded buildings, roads and other projects were rebuilt stronger to withstand future storms. The strengthened standard is similar to flood risk standards in place in the States of New York and New Jersey. The Sandy Task Force also recommended that the Federal Government create a national flood risk standard for Federally funded projects beyond the Sandy-affected region. In the President's Climate Action Plan, he followed through on this recommendation by directing agencies to update their flood-risk reduction standard to ensure that federally funded projects across the country last as long as they are intended. Over the past year, Federal agencies collaborated on this update. The new standard announced today gives agencies the flexibility to select one of three approaches for establishing the flood elevation and hazard area they use in siting, design, and construction. They can:

- Use data and methods informed by best-available, actionable climate science;
- Build two feet above the 100-year (1%-annual-chance) flood elevation for standard projects, and three feet above for critical buildings like hospitals and evacuation centers; or
- Build to the 500-year (0.2%-annual-chance) flood elevation.

To protect their homes, businesses and vital infrastructure from disasters, at least 350 communities across the country – ranging from Dallas and Nashville to Denver and Tulsa –and the States of Indiana, Montana, New York and Wisconsin have already adopted standards that either meet or exceed this new Federal standard. The Administration today is also releasing proposed guidelines – which will be available for 60 days of public comment -- that when finalized will provide guidance to agencies on implementing the new standard. Once public input has been considered, including from a series of public listening sessions that will be held across the country, and the guidelines are finalized, agencies will implement the Standard through their own rulemaking or other procedures, which also will incorporate input from the public and stakeholders.

The new flood standard will apply when Federal funds are used to build, or significantly retrofit or repair, structures and facilities in and around floodplains to ensure that those structures are resilient, safer, and long-lasting. It will not affect the standards or rates of the National Flood Insurance Program. Each agency will carefully consider how to appropriately apply this standard, and consider robust public input before deciding how to implement it.

To read the Executive Order, [click here](#).

To read the flood-risk reduction standard, [click here](#).

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CARSON WATER



SUBCONSERVANCY
DISTRICT

777 E. William Street
Suite 110A
P.O. Box 2672
Carson City, NV 89702

(775) 887-7456
(775) 887-7457 fax

March 3, 2015

The Honorable Edmund G. Brown, Jr.
Governor of the State of California
Attn.: Appointments Unit
State Capitol
Sacramento, CA 95814

Re: Reappointment of Donald Jardine
To the Lahontan Regional Water Quality Control Board

Dear Governor Brown:

It is the Carson Water Subconservancy District (CWSD) Board of Directors' pleasure to support the reappointment of Donald Jardine to the Lahontan Regional Water Quality Control Board. Since 2001, Mr. Jardine has served as one of two representatives from Alpine County on the CWSD Board. During this time Mr. Jardine helped oversee various water quality and quantity projects along the Carson River in Alpine County and its overall impact to the entire watershed.

Mr. Jardine has a long history in the Alpine County area. In addition, Mr. Jardine has served over 20 years on the Alpine County Board of Supervisors, and the boards of the Alpine County Water Agency, Alpine County/South Tahoe Public Utility District Contract Commission, and various other agencies. The CWSD Board feels this experience has made Mr. Jardine a valuable member of the Lahontan Regional Water Quality Control Board and enthusiastically supports his reappointment.

If you should like any further information, please feel free to call Edwin James, General Manager of CWSD, at 775/887-7456.

Sincerely,

Greg Lynn
Chairman of the Board

GL/tl