

2015 Agricultural Water Management Plan

Prepared for
Nevada Irrigation District
Grass Valley, CA
January 29, 2016



10540 White Rock Road, Suite 180
Rancho Cordova, CA 95670

2015 Agricultural Water Management Plan

Prepared Pursuant to Water Code Section 10826

Prepared for
Nevada Irrigation District
1036 West Main Street
Grass Valley, CA 95945

January 29, 2016

Adopted on January 13, 2016

147935



10540 White Rock Road, Suite 180
Rancho Cordova, CA 95670

10540 White Rock Road, Suite 180
Rancho Cordova, California 95670
Tel: 916-444-0123
Fax: 916-635-8805
www.browncaldwell.com

January 29, 2016



Mr. Gary King
Chief Engineer
Nevada Irrigation District
1036 W. Main Street
Grass Valley, California 95945-5424

1017-147935

Subject: 2015 Agricultural Water Management Plan

Dear Mr. King:

We are pleased to submit to you the 2015 Agricultural Water Management Plan (AWMP) for the Nevada Irrigation District (District). We have updated your 2012 AWMP to incorporate more recent data and information as well as new requirements in the law and from the California Department of Water Resources (DWR).

Very truly yours,

Brown and Caldwell,
a California Corporation

A handwritten signature in black ink, appearing to read "Melanie Holton". The signature is fluid and cursive, written over a white background.

Melanie Holton, P.E.
Project Engineer

MH:ds

Enclosure (1):

1. 2015 Agricultural Water Management Plan for the Nevada Irrigation District

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List of Abbreviations

AB	Assembly Bill	EWMP	Efficient Water Management Practices
ac-ft	acre feet	FERC	Federal Energy Regulatory Commission
ac-ft/yr	acre-feet per year	°F	degrees Fahrenheit
Act	Agricultural Water Management Planning Act	ft	feet/foot
AWMP	Agricultural Water Management Plan	GHG	greenhouse gas
AWS	Agricultural Water Suppliers	GIS	geographical information system
AWWA	American Water Works Association	hp	horsepower
B/C	Benefit/cost ratio	IRWM	Integrated Regional Water Management
BMP	Best Management Practice	IRWMP	Integrated Regional Water Management Plan
BR	Bear River System	ILRP	Irrigated Lands Regulatory Program
CABY	Cosumnes, American, Bear, and Yuba Rivers	LF	linear feet
CDFG	California Department of Fish and Game	MOU	Memorandum of Understanding
CDFW	California Department of Fish and Wildlife Service	MI	Miner's inch; a measurement of water
CDPH	California Department of Public Health	N/A	Not applicable
CEQA	California Environmental Quality Act	NID	Nevada Irrigation District
CFM	Cubic feet per minute	NRCS	Natural Resources Conservation Services
CFS	Cubic feet per second	PG&E	Pacific Gas and Electric
CIMIS	California Irrigation Management Information System	PCWA	Placer County Water Agency
Committee	Water Management Committee	PNSSNS	Placer, Nevada, South Sutter, North Sacramento Watershed Coalition
CUWCC	California Urban Water Conservation Council	ppb	parts per billion
CVRWQCB	Central Valley Regional Water Quality Control Board	ppm	parts per million
CWC	California Water Code	RCO	Railroad Commission Order
DAC	Disadvantaged Community	§	Code or Regulatory Section
DC	Deer Creek System	SB	Senate Bill
District	Nevada Irrigation District	SBx7-7	The Water Conservation Act of 2009
DMM	Demand Management Measure	SSURGO	Soil Survey Geographic Database
DWR	California Department of Water Resources	SSWD	South Sutter Water District
EA	each	SVI	Sacramento Valley Index
EL	elevation	SVWQC	Sacramento Valley Water Quality Coalition
EQIP	Environmental Quality Incentives Program	SWRCB	California State Water Resources Control Board
ESRI	Environmental Systems Research Institute	UC	University of California
ET	evapotranspiration	USDA	United States Department of Agriculture
ETo	evapotranspiration (reference)	UWMP	Urban Water Management Plan
		WHO	water and hydroelectric operations
		WTP	Water Treatment Plant
		WRCC	Western Regional Climate Center
		WWTP	Wastewater Treatment Plant

Section 1

Introduction

This Agricultural Water Management Plan (AWMP) was prepared for the Nevada Irrigation District (District) in cooperation with District staff. The District was organized in 1921 under the California Irrigation District Act of 1897 as a nonprofit water agency, and operates under Division 11 of the State Water Code.

This AWMP addresses the District's water system and includes a description of the service area, water uses, water resources, and a comparison of water supply and water demands during the planning cycle (2011 through 2015). Also described are the District's water supply reliability, water use efficiency information, water shortage allocation policies, and Drought Management Plan. This AWMP is the year 2015 AWMP as required by the Agricultural Water Management Planning Act (Act) (California Water Code Section 10820(a)), which requires all agricultural water suppliers that provide water to 10,000 or more irrigated acres within their service area to prepare an AWMP.

The remainder of this section provides an overview of the Act, public participation, agency coordination, AWMP submittal, previous activities, implementation, and organization. In order to aid the reader in understanding the context of the AWMP content, at the beginning of some sections and subsections in this AWMP is italicized text quoting specific portions of the Act that are relevant to the particular AWMP sections.

1.1 Agricultural Water Management Planning Act

10820(a) An agricultural water supplier shall prepare and adopt an agricultural water management plan in the manner set forth in this chapter on or before December 31, 2012, and shall update that plan on December 31, 2015, and on or before December 31 every five years thereafter.

The Act requires all agricultural water suppliers that provide water to 10,000 or more irrigated acres to adopt and submit an AWMP to the California Department of Water Resources (DWR). The purpose of the Act is to evaluate water use and applicable management practices to make the best use of available resources. The District's AWMP also addresses the new AWMP requirements established by the Governor in Executive Order B-29-15 (April 1, 2015), and listed below.

- Prepare a Drought Management Plan that describes the actions and measures the supplier will take to manage water demand during drought; and,
- Quantify water supplies and demands for 2013, 2014, and 2015, to the extent data is available.

Prior to the 2015 Executive Order, (1) only water shortage allocation policies were called for in the AWMPs, and (2) water use numbers from recent years were not specifically requested. Prior to 2012, AWMPs were developed under a voluntary Agricultural Water Management Council process established in the 1990s. Legislation passed in 2009, commonly referred to as SBx7-7, made preparation of an AWMP mandatory. Under the SBx7-7 requirements, the District is required to update the AWMP in 2015, and then every five years thereafter.

The Act describes the contents of the AWMP as well as how agricultural water suppliers should adopt and implement the AWMP.

1.2 Description of Previous Water Management Activities

10826(d) Describe previous water management activities.

The District prepared a 2012 AWMP, and submitted it to DWR on January 12, 2012. In addition to developing the 2012 AWMP, the District has participated in water management activities within the District and the region. As described in detail in Section 6, the District was a key participant in the Cosumnes/American/Bear/Yuba (CABY) 2013 Integrated Regional Water Management Plan (IRWMP) Update. As described in detail in Section 7 of this AWMP, the District continues to implement the efficiency water management practices (EWMPs).

1.3 Coordination Activities

10843(a) An agricultural water supplier shall submit to the entities identified in subdivision (b) a copy of its plan no later than 30 days after the adoption of the plan. Copies of amendments or changes to the plans shall be submitted to the entities identified in subdivision (b) within 30 days after the adoption of the amendments or changes.

(b) An agricultural water supplier shall submit a copy of its plan and amendments or changes to the plan to each of the following entities:

(1) The department.

(2) Any city, county, or city and county within which the agricultural water supplier provides water supplies.

(3) Any groundwater management entity within which jurisdiction the agricultural water supplier extracts or provides water supplies.

(4) Any urban water supplier within which jurisdiction the agricultural water supplier provides water supplies.

(5) Any city or county library within which jurisdiction the agricultural water supplier provides water supplies.

(6) The California State Library.

(7) Any local agency formation commission serving a county within which the agricultural water supplier provides water supplies.

1.3.1 Notification of AWMP Preparation

10821(a) An agricultural water supplier required to prepare a plan pursuant to this part shall notify each city or county within which the supplier provides water supplies that the agricultural water supplier will be preparing the plan or reviewing the plan and considering amendments or changes to the plan. The agricultural water supplier may consult with, and obtain comments from, each city or county that receives notice pursuant to this subdivision.

The District notified cities and counties within the service area that this AWMP was being updated. The notification that was mailed to the cities and counties as well as the list of recipients of the notification is provided in Appendix A. Table 1-1 provides a summary of the AWMP coordination with the appropriate agencies.

In addition, District personnel attended local agricultural organizational meetings such as the Nevada and Placer County Farm Bureau and the Agricultural Advisory Commission meetings.

Table 1-1. (DWR Worksheet 1) Summary of Coordination, Adoption, and Submittal Activities

Potential interested parties	Notified of AWMP preparation	Requested copy of draft	Commented on the draft/action taken by supplier	Notified of public meetings	Attended public meetings	Copy of AWMP sent (date sent)
Nevada County	X			X		February 2016
Placer County	X			X		February 2016
Yuba County	X			X		February 2016
Nevada County Local Agency Formation Commission	X			X		February 2016
County of Placer Local Area Formation Commission	X			X		February 2016
County of Yuba Local Area Formation Commission	X			X		February 2016
Nevada County Farm Bureau	X			X		February 2016
Placer County Farm Bureau	X			X		February 2016
Yuba Sutter County Farm Bureau	X			X		February 2016
City of Auburn	X			X		February 2016
City of Grass Valley	X			X		February 2016
City of Nevada City	X			X		February 2016
City of Lincoln	X			X		February 2016
Lincoln Public Library	X			X		February 2016
Placer County Water Agency	X			X		February 2016
Nevada County Library	X			X		February 2016
Placer County Library	X			X		February 2016
Yuba County Library	X			X		February 2016
California Department of Water Resources	X			X		February 1, 2016
General public	X	X	X	X	X	February 2016 (on District website)
California State Library	X			X		February 1, 2016

1.3.2 Public Participation

10841. Prior to adopting a plan, the agricultural water supplier shall make the proposed plan available for public inspection, and shall hold a public hearing on the plan. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned agricultural water supplier pursuant to Section 6066 of the Government Code.

The public hearing provided an opportunity for the District's customers, including social, cultural, and economic community groups, to learn about the water supply situation and the plans for providing a reliable water supply for the future. The hearing was an opportunity for people to ask questions regarding the current situation and the viability of future plans.

Prior to adopting the AWMP, copies were made available for public inspection at the District's Administration Building, at local public libraries, and on the District website, www.nidwater.com. The District held a public hearing at 9:00 AM in the District's Board Room, 1036 W. Main Street, Grass Valley, CA 95945 on the AWMP on December 9, 2015, to solicit comments. An extension of time for additional review and comment was requested by the board and the deadline for written public comment was extended to January 13, 2016. Prior to the public hearing, notices for the public hearing were published in the Union Newspaper and the Auburn Journal. Notification of the extension of the comment period was sent to potential interested parties. A copy of the published Notice of Public Hearing is included in Appendix A. The public review comments received are also provided in Appendix A.

1.4 AWMP Adoption and Submittal

The District adopted the AWMP and submitted it to DWR.

1.4.1 AWMP Adoption

10844(a) Not later than 30 days after the date of adopting its plan, the agricultural water supplier shall make the plan available for public review on the agricultural water supplier's Internet Web site.

The draft AWMP was modified to incorporate public review comments. Final adoption occurred at the January 13, 2016, District Board of Directors meeting in the District's Board Room, 1036 W. Main Street, Grass Valley, CA 95945. The AWMP is available for public review on the District's website.

1.4.2 AWMP Submittal and Availability

10843(a) An agricultural water supplier shall submit to the entities identified in subdivision (b) a copy of its plan no later than 30 days after the adoption of the plan. Copies of amendments or changes to the plans shall be submitted to the entities identified in subdivision (b) within 30 days after the adoption of the amendments or changes.

10844(b) An agricultural water supplier that does not have an Internet Web site shall submit to the department, not later than 30 days after the date of adopting its plan, a copy of the adopted plan in an electronic format. The department shall make the plan available for public review on the department's Internet Web site.

Upon AWMP adoption, the document will be submitted to DWR. Within 30 days of adoption, copies of the adopted AWMP will be available on the District's website and distributed to the entities listed in Table 1-1. A copy of the adopted resolution is provided in Appendix B. The adopted AWMP is available for public review during normal business hours at the District's Administration Building.

1.5 AWMP Implementation Schedule

10842. An agricultural water supplier shall implement the plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan, as determined by the governing body of the agricultural water supplier.

The District will implement the EWMPs that will be ongoing into the future as described in Section 7. The District will also continue to implement their water measurement and water supply management practices described in this AMWP.

1.6 AWMP Organization

This AWMP was prepared following the DWR issuance of the Guidebook to Assist Agricultural Water Suppliers to prepare a 2015 AWMP (DWR, 2015).

In addition to this Introduction, the AWMP includes:

- Section 2 – Description of the Agricultural Water Supplier and Service Area
- Section 3 – Description of Quantity of Water Uses
- Section 4 – Description of Quantity and Quality of the Water Resources
- Section 5 – Water Accounting and Water Supply Reliability
- Section 6 – Climate Change
- Section 7 – Water Use Efficiency Information
- Section 8 – Supporting Documentation

DWR has provided a checklist of the items that must be addressed in each AWMP based upon the Act. This checklist makes it simple to identify exactly where in the AWMP each item has been addressed. The checklist is completed for this AWMP and provided in Appendix C. The checklist references the sections and page numbers where specific items can be found.

Section 2

Description of the Agricultural Water Supplier and Service Area

10826 (a) “Describe the agricultural water supplier and the service area, including all of the following:

- (1) Size of the service area.
- (2) Location of the service area and its water management facilities.
- (3) Terrain and soils.
- (4) Climate.
- (5) Operating rules and regulations.
- (6) Water delivery measurements or calculations.
- (7) Water rate schedules and billing.
- (8) Water shortage allocation policies.”

This section describes the District service area, water management facilities, and operational characteristics as an agricultural water supplier. This section also describes the physical and operational characteristics of the District.

2.1 Physical Characteristics

This section describes the physical characteristics of the District including size, location, climate, and soil types. Descriptions of the water management facilities and distribution system are also provided. A summary of water supplier history and size is provided in Table 2-1.

Date of formation	August 15, 1921
Source of water	
Local surface water	X
Local groundwater	
Wholesaler	X (PG&E)
USBR	
SWP	
Service area gross acreage	287,000 acres
Service area irrigated acreage	25,860 irrigated acres

2.1.1 Size of the Service Area

The District serves nearly 6,000 agricultural customers with an average total reported irrigated acreage of 25,860 acres. Most agricultural water customers purchase water seasonally, from mid-April through mid-October, and the water is mainly used for irrigated pasture, vineyards, orchards, and family gardens. There are also approximately 19,000 urban services which provide water to a population of about 50,000 persons. There have been no changes to the service area boundaries since the 2012 AWMP as shown in Table 2-2. Future expansion of the District's boundaries on the north eastern edge of the service area is being investigated. Further information on the annexation of this area will be incorporated into the next update of the AWMP when more details are available.

Table 2-2. (DWR Worksheet 3) Expected Changes to Service Area

Change to service area	Estimate of magnitude	Effect on the water supplier
Reduced service area size	0	None
Increased service area size	0	None
New governmental entity	--	None
Other [define/identify]	--	None

2.1.2 Location of the Service Area and Water Management Facilities

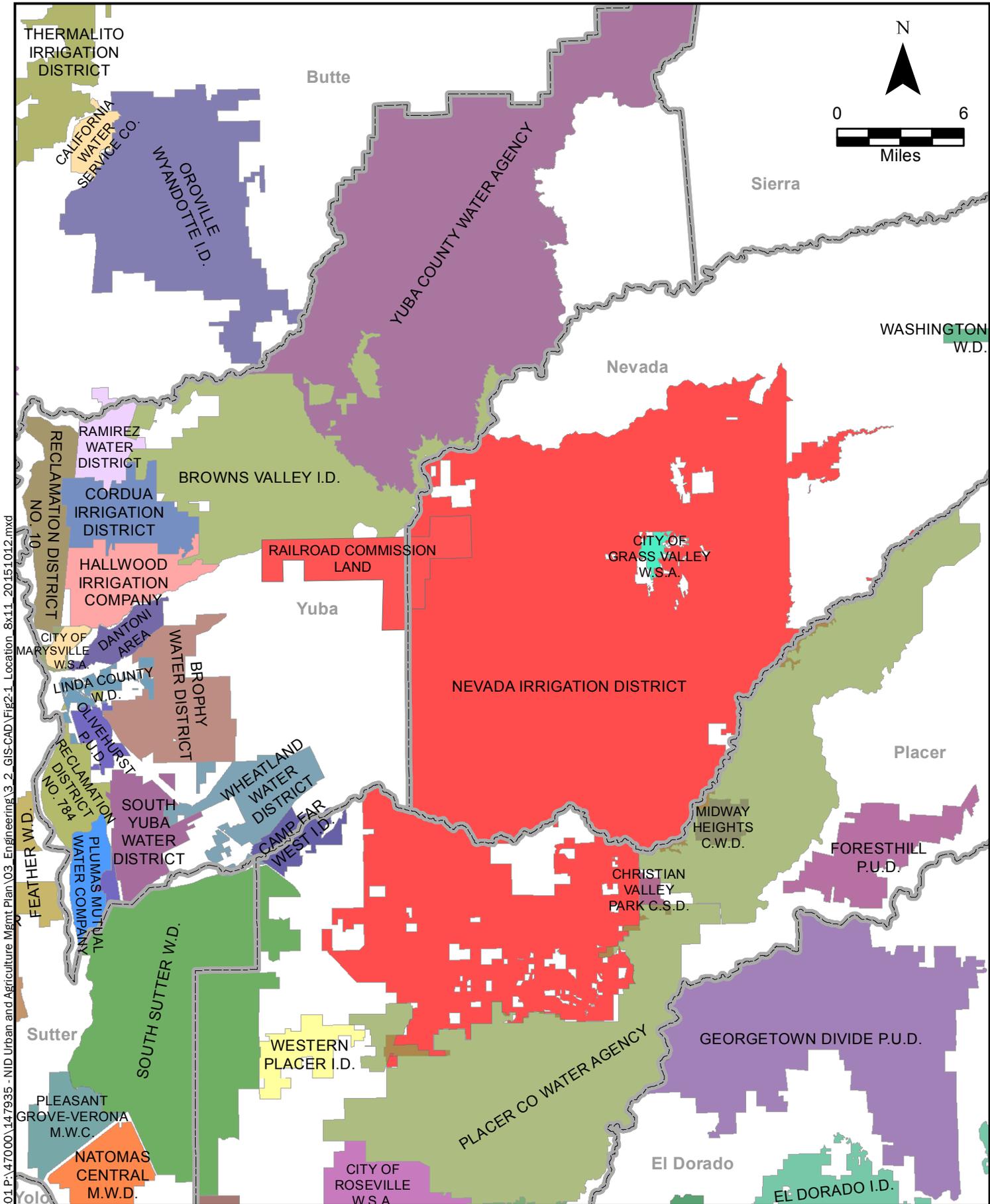
Located on the western slope of the Sierra Nevada mountain range, the District encompasses 287,000 acres and covers portions of three counties: Nevada, Placer, and Yuba as shown on Figure 2-1. Neighboring water utilities are also shown. Defined as “a special district operated by and for the people who own land within its 287,000 acre boundary”, the District was established as an irrigation district in 1921.

The District also supplies treated water for municipal, domestic, and industrial purposes. Water management facilities include storage, treatment, and conveyance facilities. The District operates and maintains nine reservoirs with a combined storage total of 279,985 acre feet (ac-ft). Capacities of the reservoirs are shown in Table 2-3. The two major distribution and storage systems within the District are the Deer Creek System and the Bear River System. These systems are a mixture of canals, siphons, pipelines, and other water conveyance structures. The locations of the reservoirs are shown on Figure 2-2.

Table 2-3. (DWR Worksheet 5) Water Supplier Reservoirs

Reservoir	Capacity, ac-ft
Jackson Meadows	69,205
Bowman	68,510
Jackson Lake	1,330
Sawmill	3,030
Faucherie	3,980
French	13,840
Rollins	65,988
Scotts Flat	48,547
Combie	5,555
Total capacity	279,985

Source: District web site



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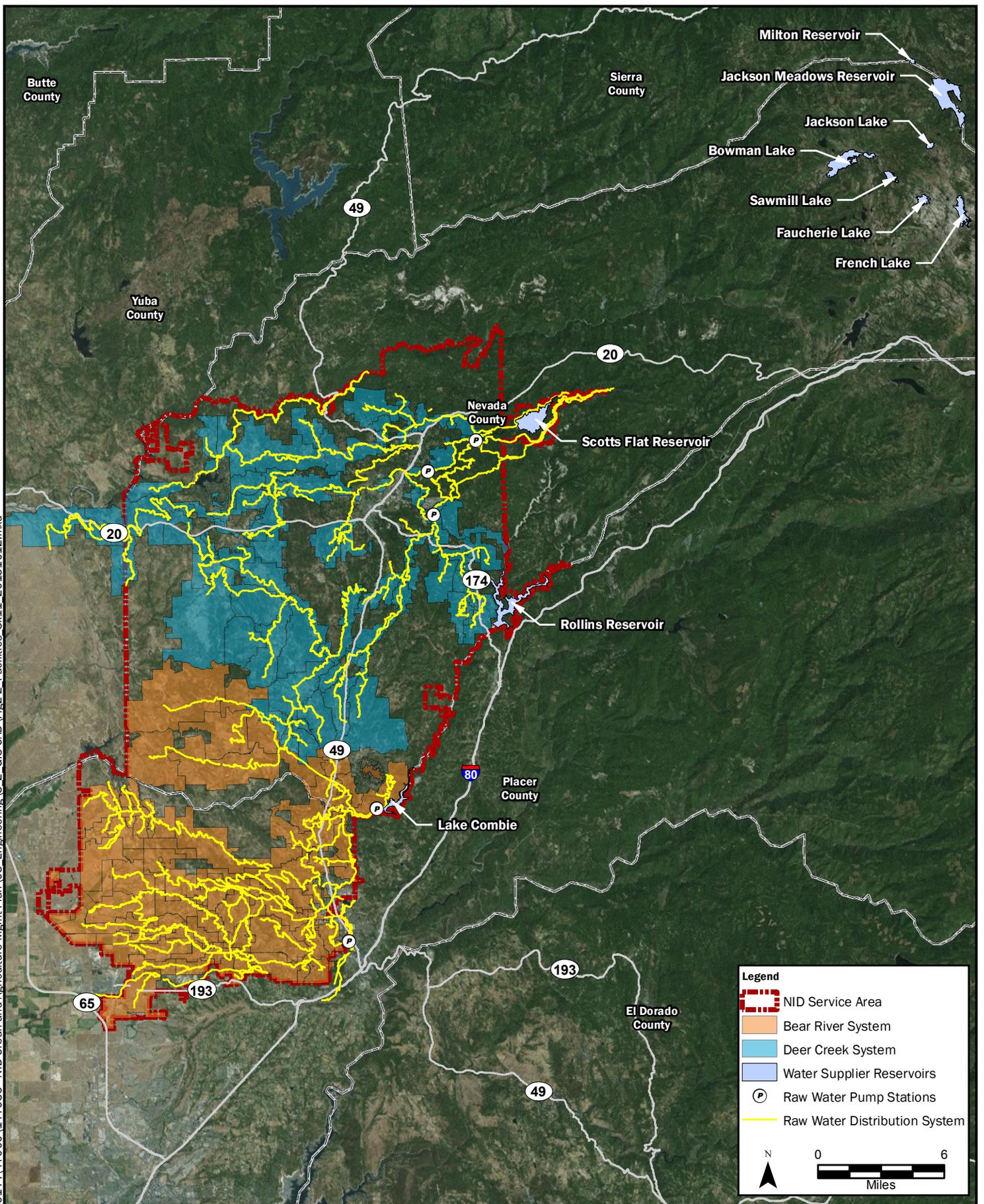
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TITLE		

Agricultural Water Management Plan

Location of NID and Neighboring Water Utilities

Figure 2-1

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Legend

- NID Service Area
- Bear River System
- Deer Creek System
- Water Supplier Reservoirs
- Raw Water Pump Stations
- Raw Water Distribution System

0 6
Miles

DATE 10/13/15	PROJECT 147935	SITE	Agricultural Water Management Plan	Figure 2-2
		TITLE Location of NID and Neighboring Water Utilities		

The District does not have a tailwater/ spill recovery system as shown in Table 2-4.

Table 2-4. (DWR Worksheet 6) Tailwater/Spill Recovery System

System	Yes/ No
District operated tailwater/ spill recovery	No
Grower operated tailwater/ spill recovery	No

The raw water distribution system is comprised of approximately 500 miles of a mixture of canals, siphons, pipelines, and other water conveyance structures, shown on Figure 2-2. The number of miles for each type of conveyance facility is estimated in Table 2-5.

Table 2-5. (DWR Worksheet 4) Raw Water Conveyance and Delivery System

System used	Miles
Canal	350
Encasement	< 1
Flume	1
Private Canal	8
Private Pipeline	9
Random/Creek	38
Shotcrete	7
Siphon/Pipe	85
Tunnel	< 1
Total	499

Source: District geographic information system (GIS) "Raw Water System" layer.

2.1.3 Terrain and Soils

The District's watershed is located on the upper reaches of the Yuba River, Bear River, and Deer Creek. The highest peak in the District is at 8,373 foot elevation at English Mountain. Ground elevations within the District's service area range from approximately 3,900 feet (ft) on Banner Mountain above Nevada City at the eastern edge of the District, down to about 200 ft near the City of Lincoln. The District transports water from high elevation, mountain reservoirs to the lower elevation foothills and into portions of the northern Sacramento valley near the City of Lincoln.

The terrain and soil types are varied throughout the service area. The soil types, infiltration rates, and water holding capacities vary widely from a clay dominant soil type to a sandy, alluvial soil type in the valley areas. Soil types within the District service area are shown on Figure 2-3. A summary of the soil types within the District service area is provided in Table 2-6.

Table 2-6. (DWR Worksheet 7) Landscape Characteristics

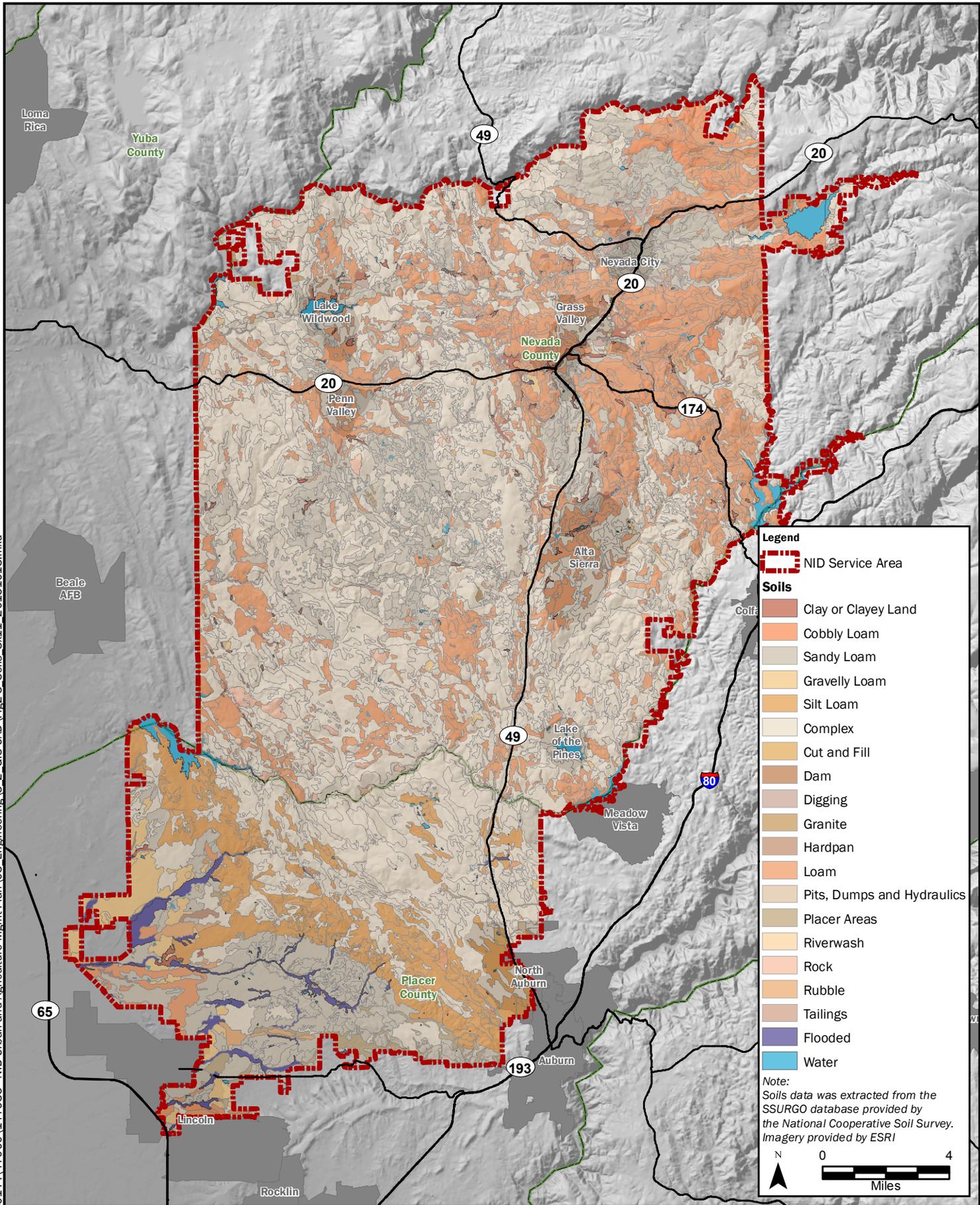
Topography characteristic (slope percent)	% of the District
<5	19%
5 to 10	15%
10 to 20	27%
20 to 40	33%
40 to 60	4%
>60	1%
unknown	1%
Soil characteristic/ classification	% of the District
Complex	21%
Gravelly loam	5%
loam	16%
Outcrop complex	6%
Rock outcrop complex	16%
Sandy loam	12%

Note: Soils data was extracted from the Soil Survey Geographic Database (SSURGO) database provided by the National Cooperative Soil Survey (2014). Shaded relief provided by the California Department of Fish and Game (2004).

2.1.4 Climate

Summers are generally dry with mild to hot temperatures. Winters are relatively wet, especially in the upper elevations around Nevada City and Grass Valley, with snow levels usually around 3,500 ft and occasionally as low as 1,000 ft. Based on the historical data obtained from the California Irrigation Management Information System (CIMIS) and the Western Regional Climate Center (WRCC), the District's service area's average minimum and maximum monthly temperatures range from 26 to 93 degrees Fahrenheit. Table 2-7 summarizes the District's climate conditions in representative areas based on the CIMIS and WRCC databases of monthly averages of historic information. Currently, the climate within California and the District is changing. There is expected to be adverse effects to the District's operations and facilities. These effects will cause a greater need for storage and resources conservation. A discussion of climate change is provided in Section 6.

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DATE	PROJECT	SITE
10/13/15	147935	
		TITLE
		Soils

Agricultural Water Management Plan

Figure 2-3

Table 2-7. (DWR Worksheet 9) District Service Area Climate Characteristics

Location	Elevation, ft	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Wet season (Nov-Mar)	Dry season (Apr-Oct)
Auburn (CIMIS Station No. 195, WRCC Station No. 040383) ^a	935															
Standard average ETo, in		1.4	2.0	3.2	4.6	6.3	7.4	8.1	7.5	5.5	3.6	1.8	1.1	52.4	10	43
Average maximum temperature, °F		54.0	58.3	62.0	68.3	76.2	85.3	92.5	91.5	86.2	76.6	63.2	54.9	72.4	63	93
Average minimum temperature, °F		36.6	39.3	41.4	44.8	50.3	56.5	61.8	61.0	57.3	50.7	42.9	36.8	48.3	37	45
Average rainfall, in		6.71	5.96	5.35	2.70	1.26	0.38	0.05	0.07	0.42	1.78	4.01	5.71	34.39	28	7
Grass Valley No. 2 (WRCC Station No. 043573) ^b	2,400															
Standard average ETo, in		N/A														
Average maximum temperature, °F		53.4	55.5	57.8	62.3	71.0	79.6	87.4	87.0	82.0	72.5	59.5	53.4	68.4	68	87
Average minimum temperature, °F		32.0	33.6	36.1	38.8	45.3	51.2	55.9	54.6	50.1	42.8	36.1	31.6	42.4	32	39
Average rainfall, in		10.26	8.60	8.11	3.74	1.90	0.65	0.14	0.25	0.89	2.54	7.11	9.16	53.34	43	10
Average snowfall, in		2.2	2.2	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	10.0	9.1	0.8
Nevada City (WRCC Station No. 046136) ^c	2,780															
Standard average ETo, in		N/A														
Average maximum temperature, °F		50.4	53.2	56.9	63.2	71.3	80.1	88.7	87.7	82.0	71.1	58.3	51.1	67.8	68	89
Average minimum temperature, °F		30.0	31.5	33.5	36.7	42.5	48.2	52.6	51.2	46.9	40.9	34.2	30.8	39.9	30	37
Average rainfall, in		10.09	9.65	7.93	4.31	2.13	0.60	0.05	0.16	0.70	2.73	6.43	9.73	54.51	44	11
Average snowfall, in		6.8	5.0	4.6	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.5	3.1	20.8	20	0.8



Table 2-7. (DWR Worksheet 9) District Service Area Climate Characteristics

Location	Elevation, ft	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Wet season (Nov-Mar)	Dry season (Apr-Oct)
Bowman Dam (WRCC Station No. 041018) ^d	5,390															
Standard average ETo, in		N/A														
Average maximum temperature, °F		45.0	46.1	49.5	55.2	63.7	72.1	80.0	79.8	73.8	64.1	52.8	46.1	60.7	61	80
Average minimum temperature, °F		26.4	26.6	28.6	32.5	39.2	46.7	53.4	53.2	48.4	41.2	33.4	28.4	38.2	26	33
Average rainfall, in		11.74	10.06	9.09	4.56	3.49	1.24	0.20	0.40	0.90	4.14	8.14	10.83	64.78	50	15
Average snowfall, in		53.1	49.8	48.1	21.2	7.0	0.3	0.0	0.0	0.3	2.6	19.6	39.9	242.0	211	31

N/A = not applicable

- a. Period of record is 01/01/1905 to 01/20/2015
- b. Period of record is 10/1/1966 to 12/31/2005
- c. Period of record is 1/1/1914 to 12/31/2005
- d. Period of record is 6/ 1/1896 to 12/31/2014



2.2 Operational Characteristics

This section describes the operating rules and regulations for water delivery and billing, and allocation policies during water shortages.

2.2.1 Operating Rules and Regulations

The District is organized with a five member Board of Directors (Board) elected by the residents within their perspective districts within the service area. The Board establishes and adopts the policies of the District and the District's Water Service Regulations.

The Water Service Regulations provide for the equitable distribution and use of water within the service area. The regulations are reviewed regularly and the Board makes revisions or amendments as necessary. The most recent revision of the District's Water Service Regulations dated March 2014 can be found at the District website at <http://nidwater.com/wp-content/uploads/2014/03/Water-Service-Rules-Regs.pdf> and is included in Appendix D.

The types of supplier delivery systems and the percent of system supplied based on the total treated and raw water customers are listed in Table 2-8. At times when proration of water is necessary, the District allocates water by acreage with the water sale rounded to the nearest increment or miner's inch per day or season as shown in Table 2-9. Water order and shutoff lead time information can be found in Table 2-10.

Type	Checked if used	Percent of system supplied ^a
Seasonal irrigation service	x	19%
Winter water service	x	1%
Annual raw water service	x	1%
Intermittent flow service	x	<1%
Fall water service	x	<1%
Demand water service	x	<1%
Tank or temporary construction water service	x	<1%
Surplus water service (outside the District service area boundaries)	x	0%
Rotation	x	<1%

^aPercent of system supplied is based on the total treated and raw water customers supplied by each service type. Treated water customers are not shown in this table.

Table 2-9. (DWR Worksheet 11) Water Allocation Policy

Basis of water allocation	Check if used			Allocation	
	Flow	Volume	Seasonal allocations	Normal year	Percent of water deliveries
Area within the service area ^a	X	X			100%
Amount of land owned					
Riparian rights					
Other					

^a Proration is based on acreage and sale increment.

Table 2-10. (DWR Worksheet 12) Actual Lead Times

Operations	Hours/days
Water orders	48 hours
Water shut-off	24 hours

2.2.2 Water Delivery Measurements or Calculations

Water measurements are described in Section 7.1.1.1. Table 2-11 lists the measurement devices used by the District to measure water in the canals and deliveries to agricultural water customers, frequency of calibration and maintenance, and the estimated level of accuracy of the measurement devices.

Table 2-11. (DWR Worksheet 13) Water Delivery Measurements

Measurement device	Frequency of calibration, months	Frequency of maintenance, months	Estimated level of accuracy, %
Canal service box	Year-round as needed ^a	As-needed	5-10%
Orifices (meter gates)	Year-round as needed ^a	As-needed	5-10%
Weirs	Year-round as needed ^a	As-needed	5-10%
Flumes	Year-round as needed ^a	As-needed	5-10%
Pump, KWH	N/A	N/A	N/A

^a The District continually monitors and calibrates as needed to maintain accurate measurements.

2.2.3 Water Rate Schedules and Billing

The District’s water rates are described in Section 7.1.1.2. Tables 2-12, 2-13, and 2-14 describe relevant information from the District’s current agricultural water rates.



Table 2-12. (DWR Worksheet 14) Water Rate Basis			
Water charge basis	Check if used	Percent of water deliveries (%)	Description
Volume of water delivered	X	100	Based on annual water volume
Rate and duration of water delivered			
Acre			
Crop			
Land assessment			
Other			

Table 2-13. (DWR Worksheet 15) Rate Structure		
Type of billing	Check if used	Description
Declining		
Uniform	X	
Increasing block rate		
Other	X	Fixed fee

Table 2-14. (DWR Worksheet 16) Frequency of Billing	
Frequency	Check if used
Weekly	
Biweekly	
Monthly	
Bimonthly	x
Tri-annually	X
Annually	X

2.2.4 Water Shortage Allocation Policies

Allocation policies and enforcement methods during times of decreased water supplies are shown in Tables 2-15 and 2-16.

Table 2-15. (DWR Worksheet 17) Decreased Water Supplies Allocations	
Allocation Method	Check if used
By crop	X (per Drought Contingency Plan - livestock, perennial, annual)
First come first served	
Area in district	
Other	X (per Drought Contingency Plan or proration if due to capacity limitation)
No specific policy	

Table 2-16. (DWR Worksheet 18) Enforcement Methods of Allocation Policies	
Enforcement method	Check if used
Fines	
Water shut-off	X
Other	

2.2.5 Drought Management Plan

This section describes the actions and measures that the District will take to manage water supplies and allocations during drought conditions.

2.2.5.1 Implementing and Updating the Drought Management Plan

The District recently adopted an updated Drought Contingency Plan on November 18, 2015, provided in Appendix E, to provide guidance to staff and customers to help minimize drought or water supply storage impacts. The Drought Contingency Plan identifies drought action levels, appropriate agency response, water demand reduction goals, and provides recommended demand management measures to assist customers in water conservation. The Drought Contingency Plan is reviewed every five years and updated if necessary with Board approval.

2.2.5.2 Current Drought Management Strategies

The District has several strategies for drought management. The Drought Contingency Plan defines drought water supply stages of action and demand reduction goals. This year the District has implemented Stage 3 restrictions, as defined in the Drought Contingency Plan, to meet State requirements.

The District conducts its own watershed snow surveys. The database dates as far back as the 1920's. The March Snow Survey information for each year is used to make a preliminary determination of the District's water supplies. The District has six snow courses and surveys are conducted February 1, March 1, April 1, and May 1 (June if needed). Forecasts using the snow survey data are produced by the District and compared with PG&E's and the DWR forecasts for the watershed.



The District collects data and compares this information to data developed by the other entities. Historical databases are maintained for runoff, end of month reservoir storage, precipitation, snow water content, and flow data. The District uses the following tools and data sources to make decisions on how to operate the system to maximize the water supplies while retaining sufficient water in storage to meet anticipated consumptive uses during the rest of the year and for the following year.

- SNOTEL 7 data from nearby areas
- Gage data-stream flow, canal flow, reservoir storage (real time and historic)
- District sales records
- PG&E Agreement
- PG&E model output
- California Department of Fish and Wildlife Service (CDFW) agreement
- Water right license conditions
- Staff professional experience

Week to week decisions are predicated on current watershed conditions and the results of the updated PG&E annual operations model.

2.2.5.3 Anticipated Future Actions

The anticipated future actions to be taken to address Drought Contingency Plan deficiencies, constraints, and leveraging of opportunities include working cooperatively with Placer County Water Agency (PCWA), City of Grass Valley, Nevada City, City of Auburn, City of Lincoln, and the counties of Nevada, Placer and Yuba. The District is a member of the Mountain Counties Water Resources Association and CABY IRWMP group and actively participates in local and regional planning and project implementation. The District regularly meets with county departments for long-range planning efforts. The District's involvement with CABY would be leveraged during times of drought to prioritize water supply and regional supply reliability improvement projects through the IRWMP process. IRWMP projects that would aid the District in times of drought include:

- Completing major strategic interties between regional water agencies. The District has recently implemented projects to hydraulically connect its water systems with PCWA's and PG&E's to increase the available supply and thus supply reliability to various portions of its water systems.
- Assessing the need and economic and environmental feasibility of new storage facilities. The District is already in the process of increasing storage within the system to improve water supply and reliability i.e. Centennial Reservoir and Power Supply Project.
- Improving water efficiency and water quality through canal lining, adding gauging stations, and providing water efficiency education to District agricultural customers.

Additionally, the District is currently evaluating other opportunities for improved water management including watershed improvements, Combie Phase I capacity increase, reservoir reoperation, sediment removal projects, and increased SCADA on canal systems.

2.2.5.4 Revenue and Expenditure Impacts

The District has sufficient revenue reserves, if required, to help stabilize revenues from a reduction in water sales during drought for a short period of time. During a prolonged drought the District would reduce costs and consider short term financing as appropriate. The District's Drought Contingency Plan calls for conservation pricing which would be implemented following Proposition 218 procedures.

Section 3

Description of Quantity of Water Uses

Section 10826(b) Describe the quantity and quality of water resources of the agricultural water supplier, including all of the following:

(5) Water uses within the agricultural water supplier's service area, including all of the following:

- (A) Agricultural.
- (B) Environmental.
- (C) Recreational.
- (D) Municipal and industrial.
- (E) Groundwater recharge.
- (F) Transfers and exchanges.
- (G) Other water uses.

Water uses within the District's service area are agricultural, environmental, recreational, and municipal. The District does not use water for groundwater recharge and transfers and exchanges.

3.1 Agricultural Water Use

The District's agricultural water deliveries for the planning cycle are presented in Table 3-1. The District characterizes agricultural sales as applied water. Applied water is defined as water that is delivered to a user and does not include precipitation and distribution losses. Table 3-1 presents the applied water measured by the District. Some growers use private groundwater wells. The District does not monitor the extent of private groundwater use.

Table 3-1. (DWR Worksheet 20) Annual Agricultural Water Use, ac-ft

Source	Planning cycle				
	1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
Agricultural water supplier delivered					
Surface water	111,907	108,679	113,428	109,414	-- ^a
Groundwater	0	0	0	0	0
Other (define)					
Other water supplies used					
Surface water					
Groundwater					
Other (define)					

^a Data not available.

There are multiple crops within the District's service area that vary due to topographical, geological, climatic, and soil condition differences. The largest crops by acreage are irrigated pasture, grass and alfalfa hay, wine grapes, nursery stock, apples, rice, plums, and citrus. The District provides irrigation water for a large variation of crops as listed in Table 3-2 which shows the total acreage by crop type for 2011 through 2014. The District does not have an accurate estimate of the ET rate per crop. A large amount of the District's irrigation customers have ten acres or less of irrigated land, and family gardens account for 20 percent of the irrigated acreage. A summary of the irrigated acres for each year is shown in Table 3-3.

Table 3-2. (DWR Worksheet 21) Agricultural Crop Data For 2011-2014, acres

Crop	2011	2012	2013	2014
Cereals-corn	15	15	18	18
Cereals-rice	158	155	177	179
Cereals-wheat	-		0	2
Cereals-other	5	5	9	14
Forage-alfalfa hay	140	137	71	72
Forage-hay other	561	550	740	804
Forage-irrigated pasture	17,158	16,822	17,831	17,985
Forage-silage	8	8	8	8
Forage-other	2	2	15	44
Fruits-apples	173	170	200	203
Fruits-berries	68	67	83	95
Fruits-cherries	35	34	56	52
Fruits-citrus	103	101	125	131
Fruits-grapes (table)	44	43	52	49
Fruits-grapes (other)	546	535	594	585
Fruits-kiwi	40	39	29	32
Fruits-peaches	78	76	101	90
Fruits-pears	93	91	112	114
Fruits-plums	115	113	128	128
Fruits-other	44	43	74	77
Fruits-persimmons	4	4	3	3
Fruits-apricots	1	0.7	0.7	1.1
Nursery	347	340	377	352
Nuts	15	15	169	199
Nuts-walnuts	15	15	15	15
Nuts-cashews	15	15	15	15
Nuts-pistachios	2	2	1	1
Nuts-almonds	14	13	13	13
Other	11	10	84	98
Family garden-orchard	5,186	5,084	5,807	5,780
Total	24,996	24,505	26,908	27,016

Table 3-3. (DWR Worksheet 22) Irrigated Acres

	Planning Cycle				
	1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
Total irrigated acres	24,996	24,505	26,908	27,016	-- ^a

^b Data not available.

3.2 Environmental Water Use

A portion of the District's water is utilized for environmental purposes, which includes non-recoverable in-stream flows and environmental water sales to other agencies such as the CDFW for the Spencerville Wildlife Area. The non-recoverable in-stream flows are located in the Middle Yuba River below Milton Diversion, Canyon Creek below Bowman Reservoir, and the Bear River below Combie Reservoir. Under the 1963 California Department of Fish and Game Agreement, the Yuba-Bear FERC License, and from terms in water right permits and licenses, the District releases water to maintain environmental conditions in creeks and rivers downstream of District facilities. The total amount for non-recoverable instream flow and environmental water use is shown in Table 3-4.

Table 3-4. (DWR Worksheet 24) Environmental Water Uses, ac-ft

Environmental resources	Planning cycle				
	1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
Vernal pools					
Streams	8,935	8,935	8,935	8,935	-- ^a
Lakes or reservoirs					
Riparian vegetation					
Ponds					
Total	8,935	8,935	8,935	8,935	. ^a

^a Data not available.

3.3 Recreational Water Use

The District owns and operates reservoirs in the Yuba and Bear River watersheds, which also provide recreational opportunities in addition to functioning as storage reservoirs. In the Mountain Division, the District has campgrounds at Faucherie, Bowman, and Jackson Meadows reservoirs, which are operated by the District. Nature, solitude, scenery, and good fishing are among the attractions. The Mountain Division campgrounds are normally snowed in during the winter and opened for recreation from Memorial Day through Labor Day.

In the Lower Division in the Sierra foothills at both Rollins and Scotts Flat Lake reservoirs, camping, fishing, swimming, sunning, boating, water skiing, sailing, board sailing, and other activities are popular. Day use parks, campgrounds, and beaches are operated by the District and in some cases by private operators under contract with the District. The District sells water to large homeowner associations which utilizes raw water for their recreational lakes and golf courses such as Lake of

the Pines, Dark Horse Golf Course, Lake Wildwood, Alta Sierra, Nevada County Country Club, Auburn Recreation District sports fields, Turkey Creek Golf Course, and Lincoln Hills, Sun City. Table 3-5 summarizes the recreational water use for golf courses and parks.

Table 3-5. (DWR Worksheet 25) Recreational Water Use, ac-ft

Recreational facility ^a	Planning cycle				
	1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
Golf courses	5,197	5,197	5,197	5,061	--b
Parks	236	236	236	236	--b
Total	5,433	5,433	5,433	5,297	--b

^a Recreational water use by large homeowner associations is accounted for as part of the agricultural raw water sales in Table 3-1.

^b Data not available.

3.4 Municipal and Industrial Water Use

The District has retail and wholesale municipal and industrial customers. The District sells wholesale water to the City of Grass Valley, Nevada City, Bitney Springs LLC, Lake Vera Mutual, and PCWA. The total municipal water sales for 2011 through 2015 are provided in Table 3-6.

Table 3-6. (DWR Worksheet 26) Municipal/Industrial Water Uses, ac-ft

Municipal/ industrial entity	Planning cycle				
	1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
District retail -treated water	9,728	10,450	10,713	9,102	--a
City of Grass Valley Broadview Heights -treated water	48	45	20	37	--a
City of Grass Valley -treated water	13	42	20	27	--a
City of Grass Valley -raw water	1,169	1,173	1,209	1,005	--a
Nevada City -raw water	185	192	287	299	--a
Bitney Springs LLC -raw water	6	6	6	5	--a
Lake Vera Mutual Water Company -treated water	13	16	40	14	--a
Placer County Water Agency -raw water	1,063	1,303	1,929	1,640	--a
Total	12,225	13,227	14,224	12,129	--a

^a Data not available

3.5 Groundwater Recharge Use

The District does not utilize groundwater as an existing or planned source of water supply or recharge due to limited groundwater availability. The District has no groundwater facilities and does not use groundwater. The majority of the District has no groundwater aquifer per California Department of Water Resources Bulletin 118 with the exception of a very small portion of the District's service area in Lincoln, which is on the eastern boundary of the Sacramento River Basin, North American Sub-Basin. Most of the Sierra Nevada foothills have a fractured rock aquifer system.

3.6 Transfer and Exchange Use

In years when there is a surplus of the District's PG&E water supply the District has sold this surplus supply to South Sutter Water District (SSWD). This is PG&E raw water that the District purchases and then sells to SSWD as raw water. This water sale occurred in 2011 through 2013. No water was available to sell to SSWD in 2014 and 2015. The long-term agreement between the District and SSWD to sell this surplus PG&E water as available has recently expired and in the future will be handled by annual agreements.

Table 3-7. (DWR Worksheet 28) Transfers and Exchanges Water Uses

From what agency	To what agency	Type	Volume, ac-ft
Planning cycle year 1 (2011)			
Nevada Irrigation District	South Sutter Water District	Ag to Ag	12,581
Planning cycle year 2 (2012)			
Nevada Irrigation District	South Sutter Water District	Ag to Ag	6,297
Planning cycle year 3 (2013)			
Nevada Irrigation District	South Sutter Water District	Ag to Ag	7,594
Planning cycle year 4 (2014)			
--	--	--	0
Planning cycle year 5 (2015)			
--	--	--	0

3.7 Other Water Use

Water losses in the agricultural distribution system consisting of seepage, evaporation, and spills are shown in Table 3-8. These losses are estimated based on an approximate 10 percent combined loss of total system water use. There are no other water uses within the water system.

Table 3-8. (DWR Worksheet 29) Other Water Uses, acre-feet

Water use	Planning cycle				
	1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
Water loss – Distribution, seepage, evaporation, spills	14,000	13,100	13,600	13,200	-- ^a
Total	14,000	13,100	13,600	13,200	--^a

^a Data not available.

3.8 Summary of Water Use

The District's total annual water use over the planning cycle is shown in Table 3-9.

Table 3-9. Summary of Water Use, ac-ft

Water use	Planning cycle				
	1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
Agricultural	111,907	108,679	113,428	109,414	-- ^a
Environmental	8,935	8,935	8,935	8,935	-- ^a
Recreational	5,433	5,433	5,433	5,297	-- ^a
Municipal/industrial	12,225	13,227	14,224	12,129	-- ^a
Groundwater recharge	0	0	0	0	0
Transfer and exchange	12,581	6,297	7,594	0	0
Other	14,000	13,100	13,600	13,200	-- ^a
Total	165,081	155,671	163,214	148,975	--^a

^a Data not available.

Section 4

Description of Quantity and Quality of the Water Resources

Section 10826(b) Describe the quantity and quality of water resources of the agricultural water supplier, including all of the following:

- (1) Surface water supply.
- (2) Groundwater supply.
- (3) Other water supplies.
- (4) Source water quality monitoring practices.
- (5) Water uses within the agricultural water supplier's service area.
- (6) Drainage from the water supplier's service area.

This section describes the quantity and quality of water resources available to the District and includes a description of water quality monitoring programs, water uses within the service area, and drainage from the District's service area

4.1 Water Supply Quantity

The District's water supply is comprised primarily of surface water with some limited recycled water.

4.1.1 Surface Water

The District's primary source of supply is local surface water derived principally from the Yuba River, Bear River, and Deer Creek watersheds that is diverted and stored under the Districts pre-1914 and post-1914 appropriative water rights. The water rights allow for capture of diversion of 450,000 ac-ft. The District has an extensive system of storage reservoirs that provides surface water supply to the District's seven water treatment plants as well as to the raw water customers. The District's contracted purchase from PG&E is also surface water that originates from the same supply sources as the District water rights supply.

4.1.1.1 Water Rights

This section provides a description of the District's water rights surface water supply. The water rights surface water supply falls into two main categories:

- Watershed runoff
- Carryover storage in surface reservoirs

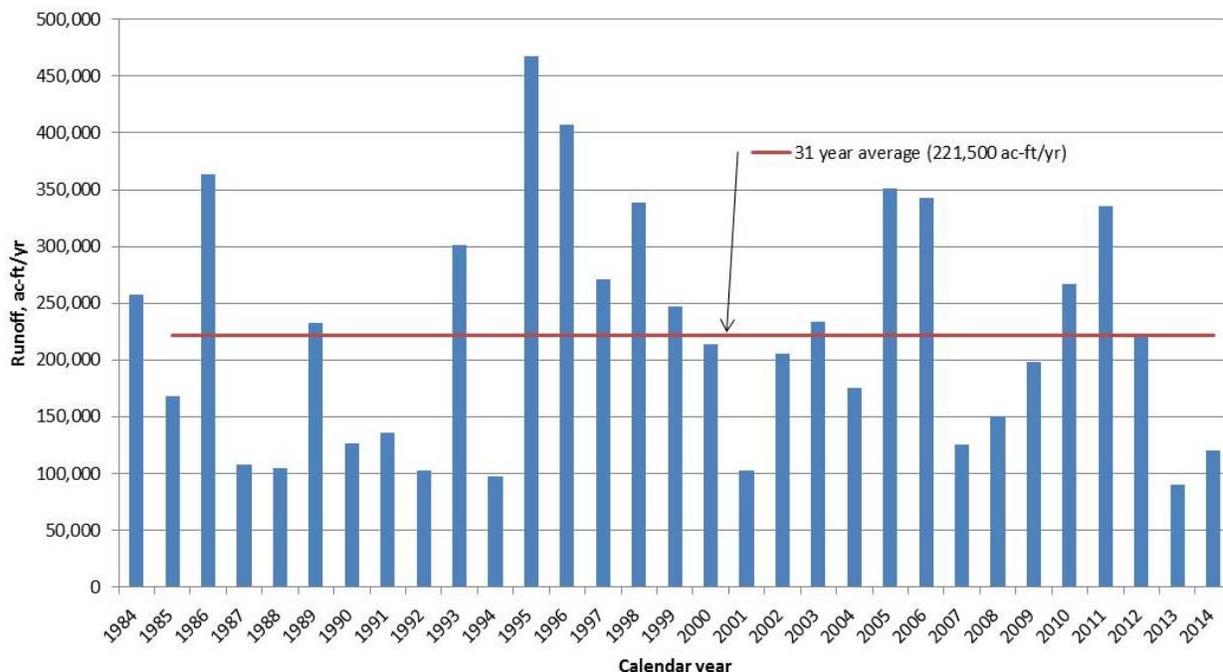
The District was originally organized for the purpose of storing and delivering irrigation water to farmers and ranchers. In the early 1920's the District acquired storage and regulating facilities in the upper reaches of the Middle and South Yuba Rivers. In 1926, the District acquired most of its Canyon Creek holdings including the Bowman, Sawmill, French, and Faucherie Reservoirs. Associated water rights were also obtained. Deer Creek water rights were obtained in the 1920's for the development of Scott's Flat Reservoir.

Watershed Runoff: This category of supply includes water rights to runoff produced by the District's watershed during the water year. Watershed runoff is the District's primary water supply. The amount of runoff and the manner in which it is used depends upon the amount of water contained in the snowpack and the rate at which the snowpack melts. District water rights include 25 pre-1914 rights acquired from mining interests, along with 28 post-1914 rights filed with the State of California to provide for domestic, municipal, industrial, recreational, power, and irrigation uses, and three riparian rights. These include rights for both consumptive and power purposes. The total water right volumes consist of storage rights, direct diversion rights, and some are a combination of both. The total quantity estimated for diversion and/or storage under current consumptive water rights totals approximately 450,000 ac-ft on an annual basis.

The most prominent and obvious cause for the fluctuation in natural runoff is the variability in hydrologic conditions, as seen in the wide variations in annual rainfall/snowpack accumulations. Over the last 30 years runoff has fluctuated from less than 89,800 ac-ft in a dry year (2013) to over 467,000 ac-ft in wet years (1995). Average runoff from the Upper Division watershed, including the watershed area feeding Scotts Flat Reservoir, is approximately 221,500 ac-ft. Due to provisions in the PG&E Coordinated Operations Agreement, hydrologic variability, and the fact that the District is not the senior water right holder, the historical runoff data evaluated to estimate the District's average runoff supply does not include supplies from the Bear River and the South Yuba River. The District is likely to receive some water from the Bear River and South Yuba River sources in dry years. Due to the uncertainty of the amount of supply available from these two sources, it has not been quantified in this AWMP.

The system of storage reservoirs and conduits used to transport water to the District's service area boundary are referred to as the Upper Division. The Upper Division is operated in conjunction with PG&E under the terms of a joint agreement. In periods of normal precipitation, ample runoff is available for power production. Conversely, power production is sacrificed to avoid supply deficiencies during dry years. Figure 4-1 shows the recorded watershed runoff data since 1990 and compares it to the 31-year average.

The District's Yuba-Bear Project's Federal Energy Regulatory Commission (FERC) license (No. 2266) expired in July 2013. The Project is presently undergoing relicensing. There is the potential for increased environmental flow requirements, which could potentially impact water supply. The District is working to minimize these impacts especially in dry years however it could be until issuance of the new license before the actual impacts are known.



Note: Includes Middle Yuba River, Canyon Creek, Texas Creek, Fall Creek and Deer Creek. Does not include Bear River or South Yuba due to PG&E contract provisions, and hydrological and water rights considerations.

Figure 4-1. District Historic Watershed Runoff

Carryover Storage: The second largest component of District’s supply is carryover storage, which is the volume of water left in storage reservoirs at the end of the irrigation season, usually at the end of September. The District’s main storage reservoirs can contain a maximum of 279,985 ac-ft of water. Carryover storage should be held at a level not less than 78,000 ac-ft. This includes a total 30,900 ac-ft of minimum pool requirements reserved for environmental needs and dead storage volume (includes siltation estimates) that cannot be counted upon as a supply resulting in an available storage capacity of 201,985 ac-ft. This value is updated from recent bathymetry at Rollins, Jackson Meadows, and Bowman reservoirs. Figure 4-2 shows the usable carryover storage since 1968 and compares it to the 47-year average.

The water supply is dependent on snowmelt and rain to fill storage reservoirs, and the District manages its system based on the timing of those events. While there is some natural runoff during normal summer months, the irrigation season (April 15–October 14) demand is met primarily with withdrawals from storage reservoirs. Careful management and operation of the storage reservoirs is required to capture the maximum amount of runoff, minimize spillage from the reservoirs, yet insure there is sufficient volume available in the reservoirs to accommodate runoff during the spring snow melt and storm events. The District’s reservoirs are slowly being filled with sediment. The District is currently studying removal of this material.

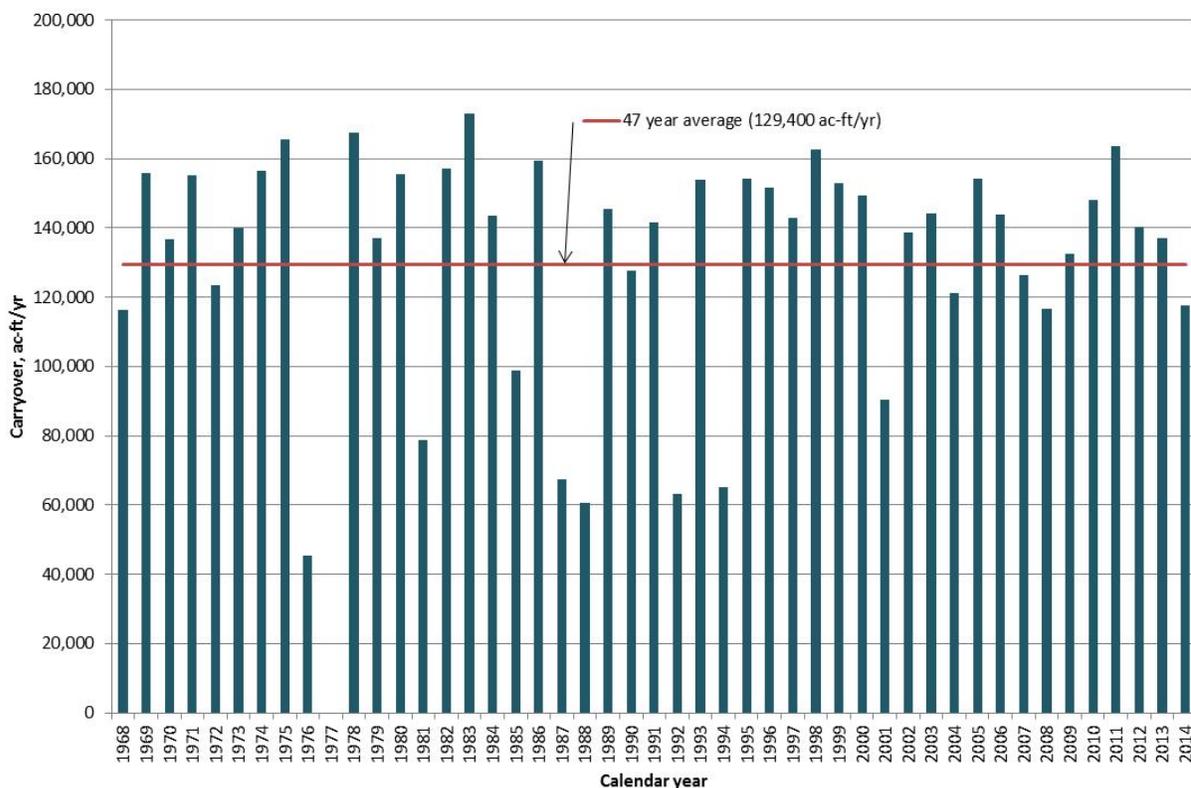


Figure 4-2. District Historic Reservoir Carryover Storage

4.1.1.2 Contracted Purchases

The power potential of its water led the District to enter into an agreement with PG&E in 1924 for use of a portion of the District’s water through PG&E facilities. At the same time the District secured the option to purchase PG&E water to augment its own supply. Over the years, this agreement has been modified to meet the changing conditions and requirements of both organizations. In 1963, the District and PG&E agreed to develop additional storage capacity on both Middle Yuba and the Bear River. Also, additional water was made available by improved and new facilities in the upper Yuba Basin.

The PG&E contract has recently been renewed. The maximum amount available for District purchase is 54,361 ac-ft in wet, above normal, normal, or below normal water year types with reductions in dry years based on the Sacramento Valley Index (SVI).

4.1.2 Summary of Surface Water Supply Quantity

The District’s use of each of it’s surface water supplies are summarized in Table 4-1. The restriction on the watershed runoff diversion is the sum of the District’s water rights. The restriction on the carryover storage is the total capacity of the District’s reservoirs.



Table 4-1. (DWR Worksheet 30) Surface Water Supplies, ac-ft

Surface water supply	Diversion restriction	Planning cycle				
		1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
Contract supply - PG&E	54,361	8,722	2,882	4,367	13,774	--a
Watershed runoff	450,000	335,773	226,569	93,263	123,541	--a
Carryover storage	279,985	163,565	140,310	137,195	117,500	--a
Total		508,060	369,761	234,825	254,815	--a

^a Data not available.

The District's watershed runoff water supply sources are covered by a combination of pre-1914 water rights, post 1914- water rights, and riparian water rights. In some California watersheds including the Sacramento River watershed, the recent drought has resulted in diversion curtailment orders being issued in 2014 and 2015 on water rights going back to a 1903 priority date. These restrictions may continue to be placed on the District regardless of the priority of the water rights if the drought continues to be an even longer multi-year drought. The District's surface water supply restrictions are summarized in Table 4-2.

Table 4-2. (DWR Worksheet 31) Restrictions on Water Sources

Source	Restrictions	Name of Agency Imposing Restrictions	Operational Constraints
Contract purchase (PG&E)	Climatic	PG&E	Low flows
Watershed runoff	Legal, environmental, climatic	SWRCB	Low flows
Carryover storage	Legal, environmental, climatic	District	Low levels
Recycled water	Environmental		Treatment capacity

4.2 Groundwater

The District does not utilize groundwater as an existing or planned source of water supply or recharge due to limited groundwater availability. The majority of the District has no groundwater aquifer per California Department of Water Resources Bulletin 118 with the exception of the very small portion of the District's service area in Lincoln, which is on the eastern boundary of the Sacramento River Basin, North American Sub-Basin. The District has no groundwater facilities and does not use groundwater. Most of the Sierra Nevada foothills have a fractured rock aquifer system.

4.3 Other Water Supplies

The District currently uses recycled water. Other water supplies such as stormwater, transfer agreements, and desalinated water are not part of the District's water supply portfolio.

4.3.1 Stormwater

The District currently has a policy to not divert stormwater runoff. Please refer to the District's current stormwater policy as described in District Policy #6655, provided in Appendix F.

4.3.2 Recycled Water

There are four agencies responsible for collecting, treating, and discharging treated wastewater within the District's service area: Nevada City, Grass Valley, Auburn, and Placer County. The District has no authority or control over municipal wastewater generated in the District's service area. The District is currently receiving recycled water from these four municipal wastewater treatment plants. The District understands that reuse is an important element of integrated water supply planning and supports the development of a reuse supply component

All wastewater treated within the District service area is discharged to local watercourses. Recycled water discharge mixes with the District water being transported in the creeks. The combined waters are then diverted from creeks into canals. This supply of water augments the District's overall water supply. Below is a description of the use of recycled water from each of the four municipalities within the District service area that provide wastewater treatment.

Nevada City: The District utilizes recycled sewage effluent from the Nevada City sewage treatment plant. The sewage effluent is diverted from Deer Creek.

Grass Valley: The District utilizes recycled sewage effluent from the Grass Valley sewage treatment plant. The sewage effluent is diverted from Wolf Creek and gets re-used as agricultural irrigation water.

City of Auburn: The District utilizes recycled sewage effluent from the Auburn sewage treatment plant. The sewage effluent is diverted from a local drainage and gets re-used as agricultural irrigation water.

Placer County: The District utilizes recycled sewage effluent from the Placer County sewage treatment plant that discharges to Rock Creek, just above its confluence with Dry Creek for agricultural irrigation water. This sewage treatment plant will soon be taken offline and supply to the District will be reduced.

The recycled water restrictions and constraints as well as the District's recycled water use from 2011 through 2015 are summarized in Table 4-3.

Table 4-3. (DWR Worksheet 30/31) Recycled Water Supplies, ac-ft

Source	Restrictions/constraints	Planning cycle				
		1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
Recycled water	Environmental/ treatment capacity	2,860	2,672	2,509	2,204	--a
Total		2,860	2,672	2,509	2,204	--a

^a Data not available.

4.3.3 Desalinated Water

The District has no sources of ocean water, brackish water, or groundwater that provide viable opportunities for development of desalinated water as a long term supply.

4.3.4 Exchanges or Transfers

The District is currently considering planned water exchanges on either a short-term or long-term basis.

4.4 Drainage from the Water Supplier's Surface Area

Water leaving the District's service area is measured outflow from the distribution system during the irrigation season. The draining amounts exiting the service area annually from 2011 through 2015 as shown in Table 4-4.

	Planning cycle				
	1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
Water leaving the service area	4,424	3,208	2,589	4,700	--a
Total	4,424	3,208	2,589	4,700	--a

^a Data not available.

4.5 Water Supply Quality

The District's source water quality and monitoring practices are described in this section.

4.5.1 Surface Water Supply Quality

Regulations governing drinking water quality with which the District must comply for its treated water supply are established at the Federal and State levels. One of those requirements is to prepare a Watershed Sanitary Survey every five years. As summarized in the District's 2011 Watershed Sanitary Survey Update (Starr, 2011) the District expects no loss of water used for urban purposes due to water quality impacts. The PG&E purchased water is similar in quality as the District's supply since it originates from the same sources and is co-mingled with the District supply.

The following primary observations were in the 2011 Watershed Sanitary Survey Update field assessment of the watershed.

- Areas in the upper watersheds are, in general, minimally impacted by current human activities. However, previous mining era activities have had an impact.
- Current and historic mining operations distributed over large areas in the watersheds have a combined high potential to impact raw water quality.
- During summer months, recreation in the upper watersheds, including body contact recreation, motorized recreation, camping and hiking, bring large numbers of visitors into the area. This increases the potential for source water contamination.
- Major highways, local access roads and railroads are located throughout the watersheds increasing the risks to source water quality.
- Various licensed pesticides and herbicides are used for weed control around the District's canals, however, during the maintenance period, the treatment plants are bypassed.
- Most canals are open; they receive untreated drainage from the uphill slopes and are not protected from vandalism or other sources of contamination.

Natural disasters can also impact water quality. The quality of water supplies can be dramatically affected by fire. Storm damage to the District conveyance facilities may consist of the following elements:

- Damage to parts of canal intakes,
- Collapse or weakening of some sections of canal flumes,
- Erosion and sedimentation of, and landslides into, sections of the canals.

The above-listed damages can cause some temporary adverse water quality effects, and some short-term losses of the District's water supplies in extreme cases. Of greater concern to overall water quality are flood and precipitation related damage occurrences that could cause longer term adverse water quality impacts such as excessive runoff and loading of surface contaminants (such as livestock manure, petroleum products, pesticides, and mineral wastes).

The District does not monitor runoff from pastureland or rangeland for pesticides in the watershed. A review of the raw and treated water monitoring for the water treatment plants shows that there were no detects of glyphosate (broad-spectrum systemic herbicide) in the Yuba/Bear River water supply. Triclopyr (systemic, foliar herbicide) is not regulated in drinking water; therefore there is no monitoring data available at the water treatment plants (Starr, 2011). Raw water quality monitoring at the District's water treatment plant intakes is summarized in Table 4-5.

Table 4-5. (DWR Worksheet 36) Surface Water Supply Quality

Parameter	Units	1 st Year (2011)	2 nd Year (2012)	3 rd Year (2013)	4 th Year (2014)	5 th Year (2015)
TDS	ppm	35.8	47.8	44.0	44.0	45.8
Se	ppb	Non detect				
B						
Mo						
As	ppm	Non detect				
Na						
Cl						
Pesticide						
Herbicide						
Fertilizer(NO3)		Non detect				
Turbidity	NTU	6.7	7.0	4.7	4.2	2.8
E.coli	MPN/100ml	37.3	44.8	32.2	53.2	17.5
TOC	mg/l	1.3	1.4	1.4	1.5	1.6

Note: Water quality data is based on intake water quality data from Cascade Shores, E. George, Lake of the Pines, Lake Wildwood, Loma Rica, and North Auburn.

4.5.2 Groundwater Supply Quality

The District does not utilize groundwater as an existing or planned source of water due to limited groundwater availability and no groundwater aquifer per California Department of Water Resources Bulletin 118.

4.5.3 Other Water Supplies Quality

Other water supplies such as stormwater, transfer agreements, and desalinated water are not part of the Districts water supply portfolio. The District currently uses recycled water. All wastewater treated within the District service area is treated to regulatory standards and discharged to local natural watercourses. Recycled water discharge mixes with the District water being transported in those creeks. The combined waters are then diverted from the creek into a canal. This supply of water augments the District's overall water supply. The water quality of the recycled water supply is represented in the discussion of surface water supply quality.

4.5.4 Drainage from the Water Supplier's Service Area Quality

Drainages near agricultural lands and at points above the Sacramento River Basin are monitored for water quality parameters by the local agricultural water coalitions under the Sacramento Valley Water Quality Coalition (SVWQC). SVWQC reports the water quality data and analysis directly to the Irrigated Lands Regulatory Program of the Region 5 Central Valley Regional Water Quality Control Board. The Placer/Nevada/South Sutter/North Sacramento (PNSSNS) Watershed Coalition is the local agricultural organization that monitors water quality as it relates to agricultural production and discharges in the District's service area. The District does not monitor the water quality of the measured outflow from the service area.

4.6 Source Water Quality Monitoring Practices

In addition to the raw water quality sampling performed at District water treatment intakes, the District continues to participate in the Cosumnes, American, Bear and Yuba Integrated Regional Water Management Plan, whose goals include protecting the watershed so as to preserve source water quality. See Appendix G, Water Quality Report for 2014 (reported in 2015). Table 4-6 summarizes the District's water quality monitoring practices for the Deer Creek and Bear River water sources.

Table 4-6. (DWR Worksheet 38) Water Quality Monitoring Practices

Water source	Monitoring location	Measurement/ monitoring method or practice	Frequency
Deer Creek	Cascade Canal	Turbidity, alkalinity, TOC	Daily/monthly/quarterly
Deer Creek	Upper Grass Valley Canal	Turbidity, alkalinity, TOC	Daily/monthly/quarterly
Deer Creek	Newtown Canal	Turbidity, alkalinity, TOC	Daily/monthly/quarterly
Deer Creek	Town Canal/Meade Canal	Turbidity, alkalinity, TOC	Daily/monthly/quarterly
Bear River/Lake Combie	Magnolia III Canal	Turbidity, alkalinity, TOC	Daily/monthly/quarterly
Bear River Canal/Rock Creek Reservoir	Combie Ophir Canal	Turbidity, alkalinity, TOC	Daily/monthly/quarterly

Source: Watershed Sanitary Survey (Starr, 2011)

Section 5

Water Accounting and Water Supply Reliability

Section 10826(b) Describe the quantity and quality of water resources of the agricultural water supplier, including all of the following:

- (7) Water accounting, including all of the following:
 - (A) Quantifying the water suppliers water supplies
 - (B) Tabulating water uses.
 - (C) Overall water budget.

Per Executive Order B-29-15, report water supplies for 2013, 2014, and 2015 to the extent data is available.

The purpose of this section is to bring together water use and supply for an overall picture of agricultural water used and the ability of water supplies to meet water demands within the supplier's service area.

5.1 Quantifying the Water Supplier's Water Supplies

Table 5-1 provides a monthly summary of the District's water supplies for 2013, 2014, and 2015. Monthly data is not provided for the carryover storage since this is an annual value which is based on the storage recorded in September reduced by minimum pool requirements and dead storage.

The District has not used groundwater in the past, does not currently use groundwater, and does not currently anticipate using groundwater in the future. The quantity of groundwater pumped from private wells located within the District's service area is not known.

Effective precipitation for the District's service area is difficult to estimate due to the differences in topography and climatic conditions within the District's service area and lack of ETo data in the northern part of the District. Precipitation on the District's irrigated crop lands does not typically occur during the April through October irrigation season. As a result the water supply required annually to meet crop consumptive demands during the irrigation season is not greatly affected by the amount effective precipitation in the service area occurring in any given year.

Table 5-1. (DWR Worksheet 40) Water Supplies for 2013, 2014, 2015, ac-ft

Supply	January	February	March	April	May	June	July	August	September	October	November	December	Total
2013													
Surface water													
PG&E	113	111	143	169	384	588	2,007	702	129	-	4	17	4,367
Watershed runoff	11,008	8,807	21,064	28,729	14,834	3,478	1,074	531	729	335	1,258	1,416	93,263
Carryover storage													137,195 ^a
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Stormwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled water	-	-	-	227	434	412	411	410	416	199	-	-	2,509
Desalinated water	-	-	-	-	-	-	-	-	-	-	-	-	-
Exchanges or transfers	-	-	-	-	-	-	-	-	-	-	-	-	-
Total													237,334
2014													
Surface water													
PG&E	19	1	-	-	1,769	3,138	3,082	2,962	2,161	613	29	-	13,774
Watershed Runoff	2,350	22,727	24,007	25,447	13,592	418	34	209	950	1,259	4,226	28,322	123,541
Carryover Storage													117,500 ^a
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Stormwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled water	-	-	-	243	392	349	360	351	341	168	-	-	2,204
Desalinated water	-	-	-	-	-	-	-	-	-	-	-	-	-
Exchanges or transfers	-	-	-	-	-	-	-	-	-	-	-	-	-
Total													257,019



Table 5-1. (DWR Worksheet 40) Water Supplies for 2013, 2014, 2015, ac-ft

Supply	January	February	March	April	May	June	July	August	September	October	November	December	Total
2015													
Surface water													
PG&E	-	-	-	1,860	2,613	3,330	2,870	-	-	-	-	-	
Watershed Runoff	8,322	29,502	9,402	8,025	5,822	858	484	-	-	-	-	-	
Carryover Storage								-	-	-	-	-	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	
Stormwater	-	-	-	-	-	-	-	-	-	-	-	-	
Recycled water				377	359	329	332	-	-	-	-	-	
Desalinated water	-	-	-	-	-	-	-	-	-	-	-	-	
Exchanges or transfers	-	-	-	-	-	-	-	-	-	-	-	-	
Total								-	-	-	-	-	

**Storage recorded at end of September of previous year and reduced by 30,900 ac-ft due to minimum pool requirements and dead storage.*

5.2 Tabulating Water Uses

Based on the description and tabulation of water uses within the District provided in Section 3, Table 5-2 summarizes the annual amounts of water delivered for agricultural purposes including all surface water, groundwater, recycled water. Table 5-3 presents the quantity of water actually used for agricultural uses including crop consumptive use of water, losses from the conveyance and storage system, environmental consumptive uses, and municipal and industrial uses. The District is not supplied water for transfers or exchanges or groundwater recharge.

Table 5-2. (DWR Worksheet 43) Applied Water, ac-ft/yr					
	Planning cycle				
	1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
Applied water (from Worksheet 20)^a	111,907	108,679	113,428	109,414	--^a

^a Data from Table 3-1 (DWR Worksheet 20).

Table 5-3. (DWR Worksheet 44) Quantify Water Uses, ac-ft/yr

	Planning cycle				
	1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
Crop water use					
1 Crop evapotranspiration					
2 Leaching					
3 Cultural practices					
Total crop water use (from Table 3-1 (DWR Worksheet 20))	111,907	108,679	113,428	109,414	--b
Conveyance and storage system					
4 Conveyance seepage	--a	--a	--a	--a	--a
5 Conveyance evaporation	--a	--a	--a	--a	--a
6 Conveyance operational spills	--a	--a	--a	--a	--a
7 Reservoir evaporation	--a	--a	--a	--a	--a
8 Reservoir seepage	--a	--a	--a	--a	--a
Environmental use (consumptive)					
9 Environmental use – wetlands (from DWR Worksheet 24)					
10 Environmental use – other (from DWR Worksheet 24)					
Total Environmental use (from Table 3-4 (DWR Worksheet 24))	9,135	8,935	8,935	8,935	--b
11 Riparian vegetation (from DWR Worksheet 24)					
12 Recreational use (from Table 3-5 (DWR Worksheet 25))	5,433	5,433	5,433	5,297	--b
Municipal and industrial					
13 Municipal (from DWR Worksheet 26)					
14 Industrial (from DWR Worksheet 26)					
Total municipal and industrial (from Table 3-6 (DWR Worksheet 26))	12,225	13,227	14,224	12,129	--b
Outside the District					
15 Transfers or exchanges out of the service area (from Table 3-7 (DWR Worksheet 28))	12,581	6,297	7,594	0	0
Conjunctive use					
16 Groundwater recharge (from DWR Worksheet 27)	0	0	0	0	0
Other (from Table 3-8 (DWR Worksheet 29))	14,000	13,100	13,600	13,200	--b
Total	165,281	155,671	163,214	148,975	--b

^a Water losses from the distribution system, seepage, evaporation, and spills are shown in the "other" row, from Table 3-8 (DWR worksheet 29).

^b Data not available.

Table 5-4 summarizes the water leaving the District as surface drain water. Additional irrecoverable flows such as to saline sinks or perched water tables are not known.

Table 5-4. (DWR Worksheet 45) Quantify Water Leaving the District ac-ft

		Planning Cycle				
		1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
1	Surface drain water leaving the service area	4,424	3,208	2,589	4,700	--a
2	Subsurface drain water leaving the service area	--a	--a	--a	--a	--a
Subtotal		4,424	3,208	2,589	4,700	--a

^a Data not available.

5.3 Overall Water Budget

Water supply and water use data as summarized in Sections 5.1 and 5.2 is used to prepare a water budget summary that quantifies water uses, losses, supplies, and the overall budget. Table 5-5 summarizes the overall amount of water supplies and Table 5-6 summarizes how much water is used for all purposes. In most years more surface water runoff is available than the District needs to divert.

Table 5-5. (DWR Worksheet 47) Quantify Water Supplies, ac-ft

		Planning cycle				
	Water Supplies	1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
1	Surface Water (summary total from Table 5-1 (DWR Worksheet 40))	499,338	366,879	230,458	241,041	--b
2	Groundwater	0	0	0	0	0
3	Annual Effective Precipitation	--a	--a	--a	--a	--b
4	Water purchases (PG&E)	8,722	2,882	4,367	13,774	--b
5	Recycled water	2,860	2,672	2,509	2,204	--b
Subtotal		510,920	372,433	237,334	257,019	--b

^a Precipitation on the District's irrigated crop lands does not typically occur during the irrigation season.

^bData not available.

Table 5-6. (DWR Worksheet 48) Budget Summary, ac-ft

		Planning cycle				
	Water Accounting	1st Year (2011)	2nd Year (2012)	3rd Year (2013)	4th Year (2014)	5th Year (2015)
1	Subtotal of Water Supplies (Table 5-7 (DWR Worksheet 47))	510,920	372,433	237,334	257,019	--b
2	Subtotal of Water Uses (Table 5-3 (DWR Worksheet 44))	165,281	155,671	163,214	148,975	--b
3	Drain Water Leaving Service Area (Table 5-4 (DWR Worksheet 45))	4,424	3,208	2,589	4,700	--b
Water remaining in streams (non-diverted surface water runoff) ^a		341,215	213,554	71,531	103,344	--b

^a Calculated by subtracting the sum of lines 2 and 3 from line 1.

^b Data not available.

5.4 Water Supply Reliability

Water supply reliability is an important component of the water management planning process. Factors contributing to inconsistency in the District's water supplies include legal limitations due to water rights and contracts limiting the quantity of water available to the District, environmental constraints, and reductions in availability due to climatic factors. The surface water supply to the District is subject to reductions during single and multiple dry years (seasonal and climatic shortages). The District holds senior water rights to the majority of its supply and has the ability to manage carry over storage quantities based on domestic, municipal and irrigation needs.

The District's contracted water supply from PG&E will be reduced in dry, critically dry, or extreme critically dry water year types. The July-December quantities are reduced by the ratio of the May 1 value of the SVI 50 percent probability of exceeding the then-current 50 year SVI average.

Diminishing snowpack levels are a climatic future constraint. Diminishing snowpack means more water will come as rain and will need to be captured in real-time versus as snow that is captured over several months. As a result, the District is planning to construct additional water storage.

The only other source of water for the District is recycled water, which is assumed to remain constant in all year types. It could potentially be reduced based on the assumption that river discharges from the waste water treatment facilities would be reduced.

Section 6

Climate Change

Section 10826(c) Include an analysis, based upon available information, of the effect of climate change on future water supplies.

The District was a key participant in the CABY 2013 IRWMP Update (CABY, 2014) which discusses the influence of a changing climate on the CABY region, and specifically on the quantity, quality, and timing of water resources available to support the needs of humans and natural systems. Climate change and related drought conditions are increasingly at the forefront of water resource management decisions around the state and throughout the CABY region. Water supply and demand, ecological processes, and fire are CABY's core issues, and it is likely that management of these issues under the projected impacts of climate change will intensify. The information presented in this section is based on the CABY 2013 IRWMP Update.

6.1 Climate Change Modeling

The District leverages relevant models developed by other organizations to project the effects of drought and climate change on specific service area infrastructure and water demand patterns. Although an operational model is not capable of predicting the effects of future climate scenarios, it can indicate how water delivery (operational) systems might work under differing climate scenarios. Precipitation is less predictable, especially within the region's microclimates, but the increase in temperature is projected to bring about a higher level of evapotranspiration and, thus, potentially less available moisture overall, even in areas that experience increased precipitation.

6.2 Regional Climatic Projections

Spring thaw in the central Sierra is occurring earlier in recent years than it did 60 years ago. Along with rising temperatures, more precipitation now falls as rain than snow. This has serious implications for a region whose snowpack has historically served as a 'reservoir,' a reliable slow-melting source of water for the District as well as some of the rest of California. As snow melts sooner and faster and combines with precipitation increasingly falling as rain rather than snow, uncertainty in water storage and release operations will confront water managers and hydropower producers. Flooding impacts are expected to increase with storm intensity and higher winter precipitation events, while summer streamflows are expected to diminish over the season, potentially affecting domestic and environmental water supply and quality and engendering tough choices for water managers and policy makers. Regional climatic projections as presented in the IRWMP (CABY, 2014) are summarized below.

Increased Air Temperature - Higher air temperatures are predicted for warmer seasons, generally resulting in less available water overall. In the Sierra, average temperature is predicted to increase by 2° to 4° F in the winter and 4° to 8° F in the summer by the end of the century.

Runoff - Along with the early melt, the increased rainfall produces runoff at an accelerated rate compared to snowmelt, and has increased the frequency and amount of winter (as opposed to spring) runoff periods. The shift from spring to winter (November through February) runoff periods has implications for water use and management, both within the watershed and for those downstream.

Flooding - Increased flood potential is projected under many climate scenarios because higher temperatures cause earlier snowmelt and an increase in the ratio of precipitation arriving in the form of rainfall versus snow. Peak daily flows in winter are expected to increase even under scenarios with reduced precipitation overall.

Streamflow - PG&E examined possible side effects of climate change on runoff by comparing two consecutive 35-year periods (1942-1976 and 1977-2011). The company maintains daily runoff records for 100+ locations in the Sierra, southern Cascade, and Coastal Ranges of California. PG&E's data showed that out of the 13 rivers studied, the Yuba River at Smartville has experienced the third highest reduction in unimpaired runoff between these two periods.

Water Quality - Earlier snowmelt coupled with rain-on-snow events that accelerate runoff may increase erosion and raise turbidity (and resulting sedimentation). Higher water temperatures also have accelerated some biological and chemical processes, increasing growth of algae and microorganisms, the depletion of dissolved oxygen, and impacts to water treatment processes.

6.3 Long Term Program to Respond to Climate Change

The CABY IRWMP presents recommendations for a long-term climate program to help assure climate resiliency for the region. The program consists of eight components that focus on ways to mitigate climate change effects on the region, as well as identifying the contributing factors within and outside of the region (including potential State policy and regulation) that exacerbate the impacts of climate change. The program seeks to provide the means, under an altered climate future, for the region to continue to produce high-quality water, provide reliable water supply and carbon-free hydroelectric generation, support sustained healthy and diverse ecosystems, and reduce socioeconomic impacts under an altered climate future.

These eight program components are: involvement in developing State policies and programs, increased knowledge sharing, increased coordination and collaboration, securing funding, monitoring the implementation of adaptive management strategies, reducing greenhouse gases, data gathering, and investment in infrastructure and monitoring. Table 11-2 from the CABY IRWMP (CABY, 2014) climate change Chapter 11 is provided in Appendix H of this AWMP. This table summarizes the region's climate vulnerabilities and the suggested adaptive management strategies to increase climate resiliency.

Section 7

Water Use Efficiency Information

Section 10608.48(d) Agricultural water suppliers shall include in the agricultural water management plans required pursuant to Part 2.8 (commencing with Section 10800) a report on which efficient water management practices have been implemented and are planned to be implemented, an estimate of the water use efficiency improvements that have occurred since the last report, and an estimate of the water use efficiency improvements estimated to occur five and 10 years in the future. If an agricultural water supplier determines that an efficient water management practice is not locally cost effective or technically feasible, the supplier shall submit information documenting that determination.

The AWMP Act calls for agricultural water suppliers to report on which efficient water management practices they have implemented and plan to implement and to describe the associated water use efficiency improvements. Documentation is required for the critical efficient water management practices, as well as for the conditional EWMPs that are required only if they are locally cost effective or technically feasible. The District's EWMP implementation is described in this section.

Agricultural irrigation practices by the District customers are becoming more efficient, and some customers are converting to low volume irrigation systems. Some flood irrigation is being converted to sprinkler irrigation providing more uniform flow distribution and/or changes to irrigation scheduling. Water conserved has allowed growers to either purchase less water or expand their operations to irrigate more acres. Some of the agricultural customers use evaporation transpiration (ET) information and weather data available from the California Irrigation Management Information System (CIMIS). Due to the wide variation in topography, elevation and soil types throughout the District's service area, the CIMIS data is most applicable for lower elevation Placer County customers.

7.1 EWMP Implementation and Reporting

Section 10608(e) The data shall be reported using a standardized form developed [by DWR].

The list of implemented and planned EWMPs is provided in Table 7-1. The estimated water use efficiency improvements that have occurred since the 2012 AWMP and that are estimated to occur five and ten years in the future are provided in Table 7-2.

Table 7-1. (DWR Table VII.A.1) Report of EWMPs Implemented/Planned

EWMP no. ^{a,b}	Relevant water code text	Description of EWMP implemented	Description of EWMPs planned
Critical EWMPs	<i>10608.48(a) On or before July 31, 2012, an agricultural water supplier shall implement efficient water management practices pursuant to subdivisions (b) and (c).</i>		
1 - Water Measurement	<p><i>(b) Agricultural water suppliers shall implement all of the following critical efficient management practices:</i></p> <p><i>(1) Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).</i></p> <p><i>(2) Adopt a pricing structure for water customers based at least in part on quantity delivered.</i></p>	All of the District’s customer delivery points are measured. Service outlets are checked numerous times per year for accuracy of water delivery. Orifice plates, screens and boards are replaced as necessary. All measurement structures are installed to professional engineering design standards. All structures are checked prior to irrigation season and numerous times during the season as necessary for accuracy by inspecting the levelness and to verify that the staff gages are set to the appropriate level. A standard AA current meter measurement is used to compute flow when necessary.	Completed
2 - Volume-Based Pricing		The District’s water rates are shown in Appendix D. The uniform water rates are based in part on quantity delivered. The District approves water rates annually based on the cost of service, and consistent with Proposition 218.	Completed
Conditionally Required EWMPs (locally cost-effective and technically feasible EWMPs)	<i>10608.48(c) Agricultural water suppliers shall implement additional efficient management practices, including, but not limited to, practices to accomplish all of the following, if the measures are locally cost effective and technically feasible: [10608.48(c) (1) through (14) below].</i>		
1 - Alternative Land Use	<i>10608.48(c)(1) Facilitate alternative land use for lands with exceptionally high water duties or whose irrigation contributes to significant problems, including drainage.</i>	The District is not aware of customers with lands that have an exceptionally high water duty or whose irrigation contributes to significant problems. Some irrigation customers are required by the Central Valley Regional Water Quality Control Board to participate in a water coalition to protect water quality and minimize run-off through EWMPs.	Not applicable
2 - Recycled Water Use	<i>10608.48(c)(2) Facilitate use of available recycled water that otherwise would not be used beneficially, meets all health and safety criteria, and does not harm crops or soils.</i>	The District currently uses recycled water from urban wastewater treatment plants that discharge to creeks per state and federal requirements.	Ongoing
4 - Incentive Pricing Structure	<p><i>10608.48(c)(4) Implement an incentive pricing structure that promotes one or more of the following goals:</i></p> <p><i>(A) More efficient water use at the farm level.</i></p> <p><i>(B) Conjunctive use of groundwater.</i></p> <p><i>(C) Appropriate increase of groundwater recharge.</i></p> <p><i>(D) Reduction in problem drainage.</i></p> <p><i>(E) Improved management of environmental resources.</i></p> <p><i>Effective management of all water sources throughout the year by adjusting seasonal pricing structures based on current conditions.</i></p>	The District currently has incentive pricing with uniform water rates that provide motivation to use water efficiently. The District’s pricing consists of a combination of fixed charge (a constant fee assessed to customer) and a water rate (a price per unit of water delivered). The District’s pricing structure promotes more efficient use of water at the farm level as well improves the management of environmental resources.	Ongoing



Table 7-1. (DWR Table VII.A.1) Report of EWMPs Implemented/Planned

EWMP no. ^{a,b}	Relevant water code text	Description of EWMP implemented	Description of EWMPs planned
5 – Infrastructure Improvements	<i>10608.48(c)(5) Expand line or pipe distribution systems, and construct regulatory reservoirs to increase distribution system flexibility and capacity, decrease maintenance, and reduce seepage.</i>	The District shotcretes and encases approximately 2 miles of canal per year for efficiency and protection of water quality. The District also applies for grant funding. The benefit-cost ratio for this EWMP is low due to the cost per mile to gunite canals (a minimum of \$125,000/mile). Even though some herbicide and soil erosion control costs may decrease by canal lining, cleaning silt and debris costs increase and offset any potential savings. In recent years, the District has spent \$60 million on encasement and realignment of distribution lines.	Ongoing
6 – Order/Delivery Flexibility	<i>10608.48(c)(6) Increase flexibility in water ordering by, and delivery to, water customers within operational limits.</i>	The District’s licensed distribution operators work with customers on an individual basis for canal rotations and delivery flexibility.	Ongoing
7 – Supplier Spill and Tailwater Systems	<i>10608.48(c)(7) Construct and operate supplier spill and tailwater recovery systems.</i>	Due to the change in elevation of the extensive distribution system, the tail water from higher elevation canals is recaptured in lower elevation canals. Also, the District has the right to resell return flows within the District boundaries. Therefore, this water is being recovered and utilized during the irrigation season. The District received a grant to install 3 gaging stations at the end of some of the canals to increase efficiency and minimize spills.	The District was awarded a grant and will be installing 3 gaging stations.
8 – Conjunctive Use	<i>10608.48(c)(8) Increase planned conjunctive use of surface water and groundwater within the supplier service area.</i>	Not applicable.	Not applicable
9 – Automated Canal Controls	<i>10608.48(c)(9) Automate canal control structures.</i>	The District researched automation of canal structures, where applicable, for design, efficiency, and feasibility. Automatic gate control devices were installed at two of the District’s large capacity canals.	If feasible, the District will incorporate automation into canal structures at the time of replacement.
10 – Customer Pump Test/Evaluation	<i>10608.48(c)(10) Facilitate or promote customer pump testing and evaluation.</i>	Not applicable. The District’s customers do not utilize groundwater wells.	Not applicable
11 – Water Conservation Coordinator	<i>10608.48(c)(11) Designate a water conservation coordinator who will develop and implement the water management plan and prepare progress reports.</i>	Since 2011, a full time Water Efficiency Coordinator develops and coordinates educational programs, including fairs and events, irrigation workshops, customer surveys, newsletters, website information, demonstration gardens, and landowner site visits. The coordinator also provides customers with information on local cost-share and technical assistance programs.	Completed

Table 7-1. (DWR Table VII.A.1) Report of EWMPs Implemented/Planned

EWMP no. ^{a,b}	Relevant water code text	Description of EWMP implemented	Description of EWMPs planned
12 – Water Management Services to Customers	<p><i>10608.48(c)(12) Provide for the availability of water management services to water users. These services may include, but are not limited to, all of the following:</i></p> <ul style="list-style-type: none"> <i>(A) On-farm irrigation and drainage system evaluations.</i> <i>(B) Normal year and real-time irrigation scheduling and crop evapotranspiration information.</i> <i>(C) Surface water, groundwater, and drainage water quantity and quality data.</i> <i>(D) Agricultural water management educational programs and materials for farmers, staff, and the public.</i> 	<p>The District provides information and education to customers via the District’s website (www.nidwater.com), inserts into the customer’s bills, pamphlets and brochures, and an onsite Demonstration Garden. Throughout the year the District provides irrigation efficiency workshops that are free to customers, as well as free seminars and other events which promote water use efficiency through Best Management Practices.</p> <p>The District responds to water waste reports.</p> <p>The District works closely with local and regional resources such as the USDA Natural Resource Conservation Service (NRCS) and Resource Conservation Districts (RCDs), University of California (UC) Cooperative Extension Farm Advisors, UC Certified Master Gardeners and local county agricultural commissioners to provide customers with technical assistance and new advances in best management land practices, BMPs for herbicide use, and conservation measures for environmental habitat and the efficient use of water.</p> <p>The District provides educational material and information on cost-share incentive programs that are offered by other agencies.</p>	Ongoing
13 – Identify Institutional Changes	<p><i>10608.48(c)(13) Evaluate the policies of agencies that provide the supplier with water to identify the potential for institutional changes to allow more flexible water deliveries and storage.</i></p>	<p>The District has riparian rights and pre- and post-1914 water rights for most of its water supply. The District’s Board of Directors has the legal authority to directly set and implement policies that affect the distribution of water. The District evaluates its policies annually to address regulatory changes.</p> <p>For the small portion of supply from the District’s contract with PG&E, additional flexibility in timing and location of purchased water was incorporated into the recent PG&E agreement renewal.</p>	Ongoing
14 – Supplier Pump Improved Efficiency	<p><i>10608.48(c)(14) Evaluate and improve the efficiencies of the supplier’s pumps.</i></p>	<p>The District does not pump from groundwater and most of the distribution system is gravity flow. In a few isolated cases, 100-150 hp pumps lift water a short distance to a nearby reservoir. The pumps are inspected daily and any debris is removed. All pumps are inspected annually and are on an annual maintenance schedule to ensure efficient operations. Two pump efficiency tests have been conducted in the past 5 years. The District replaces inefficient pumps as grant funding becomes available and in cooperation with PG&E.</p>	Ongoing



Table 7-1. (DWR Table VII.A.1) Report of EWMPs Implemented/Planned

EWMP no. ^{a,b}	Relevant water code text	Description of EWMP implemented	Description of EWMPs planned
Other Optional EWMPs (as applicable)			
A-4 - Improve communication and cooperation among water suppliers, users, and other agencies	Not applicable ^c	The District works cooperatively with PG&E, PCWA, City of Grass Valley, Nevada City, City of Auburn, City of Lincoln, and the counties of Nevada, Placer and Yuba. The District is a member of the Mountain Counties Water Resources Association and CABY Integrated Regional Water Management Planning group and actively participates in local and regional planning and project implementation. The District regularly meets with County departments for long-range planning efforts	Ongoing

Notes:

^a EWMP numbers correspond to Water Code §10608.48(c).

^b EWMP No. 3 is not being implemented by the District because it is not locally cost effective. It is presented in Table 7-4.

^c This EWMP appeared in the 1999 Agricultural Water Management Council Memorandum of Understanding, but does not appear in the text of the Water Code pertaining to agricultural water suppliers.



Table 7-2. (DWR Table VII.A.2) Report of EWMPs Efficiency Improvements

Corresponding EWMP No. ^a	Estimate of Water Use Efficiency Improvements That Occurred Since Last Report 2012 through 2014	Estimated Water Use Efficiency Improvements 5 and 10 years in the Future	
		2020	2025
2 - Recycled Water Use	7,385 ac-ft water supply conserved from 2012 through 2014.	2,500	2,500
4 - Incentive Pricing Structure	Incentive pricing structure still in place.	Incentive pricing structure in place, updated through Proposition 218 process as needed.	Incentive pricing structure in place, updated through Proposition 218 process as needed.
5 - Infrastructure Improvements	10,000 LF of canals shotcreted or encased.	10,000 LF of canals shotcreted or encased.	10,000 LF of canals shotcreted or encased.
7 - Supplier Spill and Tailwater Systems	Three reference gages were installed to help monitor flows at intermediate locations along canals.	Three gaging stations to be installed between 2015 and 2020.	Three gaging stations to be installed between 2020 and 2025.
9 - Automated Canal Controls	Automatic gate control devices have been installed on one canal.	One to two automated reading stations to be installed per year.	One to two automated reading stations to be installed per year.
12 - Water Management Services to Customers	The District has held two Water Efficiency Workshops	Two water efficiency workshops held per year.	Two water efficiency workshops held per year.
13 - Identify Institutional Changes	The District has renewed its agreement with PG&E resulting in a more flexible agreement in timing and location of supply.	--	--
14 - Supplier Pump Improved Efficiency	All pumps are inspected and maintained annually.	Two pump efficiency tests, pumps replaced based on available grant funding.	Two pump efficiency tests, pumps replaced based on available grant funding.
Optional EWMP: A-4 - Improve communication and cooperation	The District coordinates weekly with local agencies.	Weekly coordination	Weekly coordination

^a EWMP numbers correspond to Water Code §10608.48(c).

Table 7-3 is the District's schedule, finance plan, and budget to implement the EWMPs.

Table 7-3. (DWR Table VII.A.3) Schedule to Implement EWMPs			
EWMP	Implementation schedule	Finance plan	Budget allotment
Critical			
1 - Water Measurement	Completed	N/A	N/A
2 - Volume-Based Pricing	Completed	N/A	N/A
Conditional			
2 - Recycled Water Use	Ongoing	N/A	No cost for recycled water supply.
4 - Incentive Pricing Structure	Ongoing	rates	\$50,000 (Proposition 218 process/education)
5 - Infrastructure Improvements	Ongoing	rates	\$1,000,000
6 - Order/Delivery Flexibility	Ongoing	rates	Included as part of larger operations budget.
7 - Supplier Spill and Tailwater Systems	Ongoing	rates	Included in EWMP 5 budget allotment
9 - Automated Canal Controls	Ongoing	rates	Included in EWMP 5 budget allotment
11 - Water Conservation Coordinator	Ongoing	rates	\$100,000
12 - Water Management Services to Customers	Ongoing	rates	\$50,000
13 - Identify Institutional Changes	Ongoing	rates	\$0
14 - Supplier Pump Improved Efficiency	Ongoing	rates/grants	\$30,000
Other EWMPs:			
A-4 - Improve communication and cooperation	Ongoing	rates	Included in various staff salaries budget.
Grand total all EWMPs			\$1,280,000^a

^a Grand total budget allotment for implementation of EWMPs is over \$1,280,000. Staff labor for order/delivery flexibility (EWMP 6) and coordination with other agencies (EWMP A-4) are not quantified in this total.

7.1.1 Critical EWMPs

The District implements the mandatory critical EWMPs: No. 1, Water Measurement, and No. 2, Incentive Pricing Structure. A description of how the critical EWMPs are implemented by the District is provided in Table 7-1. Additional background information is provided below.

7.1.1.1 Critical EWMP No. 1 - Water Measurement

All of the District's customer delivery points are measured. Ninety-two percent of the District's irrigation customers purchase summer season water, April 15 through October 14; the typical duration of water delivery is 182 days. The standard measurement for a miner's inch requires a six-inch head of water over the center of the orifice and the water to free flow through the delivery point. For customers that purchase 40 miner's inches or less, the amount of water is delivered through a standard water box and measured through an orifice sized for the amount of water purchased and the available head pressure. For purchases greater than 40 miner's inches, the measurement may be by any industry standard device such as a weir or parshall flume that will give the most accurate measurement for the situation. The customer's water boxes and orifice plates are checked at the beginning of irrigation season and periodically throughout the season for accuracy. Records are kept stating when customer services are turned on and off to assist in calculating the volume of water delivered

Formulas used to compute volume: $\text{Volume} = \text{Flow} \times \text{Duration}$

$\text{Volume} = \text{Flow} (1.5 \text{ ft}^3/\text{minute}) \times \text{Duration} (\text{time water service is on in minutes})$

7.1.1.2 Critical EWMP No. 2 - Incentive Pricing Structure

All water rates are determined on a cost of service basis, consistent with Proposition 218, and are reviewed annually. Raw water rates are a uniform volumetric charge, consisting of a combination of fixed charge (a constant fee assessed to customer) and a water rate (a price per unit of water delivered). Raw water is sold by quantity in increments of either miner's inches or acre feet. The District has several rate schedules for raw water depending on the type of service provided. Similar to the rates, the District also has several billing frequencies depending on the type of service. For a seasonal irrigation service, the customer has the choice of paying the amount in full or making payments in three installments. Most of the raw water customers purchase water for the summer irrigation season (April 15 to October 14). The current District water rates are provided in Appendix D.

7.1.2 Conditional EWMPs

The District continues to implement, or plans to implement, cost-effective and/or technically feasible conservation measures including, but not limited to, the practices described in Table 7-1. All of the applicable conditional EWMPs are being implemented with the exceptions of No 3, Capital Improvements. With regard to Alternative Land Use, this is considered not applicable because the District is not aware of customers with lands that have an exceptionally high water duty or whose irrigation contributes to significant problems. Irrigation customers are required by the Central Valley Regional Water Quality Control Board to participate in a water coalition to protect water quality and minimize run-off through efficient water management practices.

7.2 Documentation for Non-Implemented EWMPs

The efficient water management practices that the District has determined are not locally cost effective or technically feasible are listed in Table 7-4.

Table 7-4. (DWR Table VII.A.4) Non-Implemented EWMP Documentation

EWMP No.	Description	<i>(check one or both)</i>		Justification/documentation
		Technically infeasible	Not locally cost-effective	
3	On-Farm Irrigation Capital Improvements		X	The District provides information and resources to customers for local, state and federal cost-share and technical assistance programs such as the USDA Natural Resource Conservation Service EQIP, local RCDs and UC Cooperative Extension Farm Advisors. It is not locally cost effective for the District to provide capital improvements to agricultural customers because there are no benefits to the District to balance the cost of providing on-farm irrigation capital improvements based on site visits completed to-date.

Section 8

Supporting Documentation

The Agricultural Water Measurement Regulation applies to water suppliers that serve more than 25,000 acres (excluding recycled water), and requires that water measurements be conducted at the farm-gate of a single customer and that measurement devices are certified as accurate through field-testing, laboratory/engineer certification, or inspection. In this section the term “delivery point” is used in place of the term “farm-gate” to be consistent with the District’s terminology for the location at which the District transfers control of the delivered water to the customer.

8.1 Legal Certification and Apportionment Required for Water Measurement – Lack of Legal Access to Farm Gate

The District can measure water at the delivery point for all customers and therefore does not need to submit legal certification and apportionment required for water measurement. This DWR AWMP Guidebook Attachment A requirement is not applicable to the District. There are no legal constraints to installing or operating water meters for any of the District’s customers.

8.2 Engineer Certification and Apportionment Required for Water Measurement

The District can measure water at the delivery point for all customers. Therefore, the District does not need to submit engineer certification and apportionment required for water measurement. This DWR AWMP Guidebook Attachment B requirement is not applicable to the District. There are no physical constraints at the delivery points that prevent the installation or operation of water meters for any of the District’s customers.

8.3 Description of Water Measurement Best Professional Practices

This section provides a description of the Best Professional Practices about the collection of water measurement data, frequency of measurements, method for determining irrigated acres, and quality control and quality assurance procedures.

8.3.1 Water Measurement Data Collection

Water measurement data are collected based on orifice plate settings for the duration of the customers purchase either seasonally (from April 15 to October 15.) or annually. As needed and if requested the District will review, test, and evaluate the measuring device and its ability to provide the water accurately to the customer. Appendix I contains a memorandum from the District’s chief engineer stating that the District’s current methods of measuring customer deliveries meets raw water measurement best management practices under California Code of Regulations Section 597.2.

8.3.2 Measurement Frequency

Each customer is provided an orifice size which continuously measures the amount and limits the maximum amount of water at specific conditions. The orifice size is set on a regular basis.

8.3.3 Method for Determining Irrigated Acres

The District sends out a Crop Acreage Report form annually for the customer to report the irrigated acreage and types of crops with the application for water. The type of information required to be provided by the customer is:

1. Crops grown and irrigated acreage by crop type
2. Total acreage

8.3.4 Quality Control and Quality Assurance Procedures

Information provided by the customers on the Application for Water and Crop Acreage report form sent out annually by the District is cross-checked by the District against prior reports and the total amount of acreage owned. If necessary the District contacts the customer for clarification of the data submitted and/or conducts a site visit.

8.4 Documentation of Water Measurement Conversion to Volume

The District makes every reasonable effort to set the orifice to the proper head and allow free flow through the orifice. The size of the orifice along with the duration in place is used to convert the water measurement to volume.

8.5 Device Corrective Action Plan Required for Water Measurement

All of the District's water measurement devices measure water delivered at the delivery point of a single customer and multiple customers such as a mutual water company or others with the required accuracy.

Section 9

References

CABY. Integrated Regional Water Management Plan 2013 Update. 2014

DWR. A Guidebook to Assist Agricultural Water Suppliers to Prepare a 2015 Agricultural Water Management Plan. June 2015.

Kleinschmidt Associates. Raw Water Master Plan. December 2011.

NID. Drought Briefing. May 2015.

NID. Water Use Regulations. March 2014

NID. Crop Report. 2014

NID. Crop Report. 2013

NID. Crop Report. 2012

NID. Crop Report. 2011

NID. 2012 Agricultural Water Management Plan. 2012.

NID. GIS Raw Water System Layer. 2015.

Starr Consulting et al. Yuba/Bear River Watershed Sanitary Survey 2012 Update. February 2012.

Appendix A: Public Outreach and Review

Public Review Comments

City/County Notification

Copy of Notice of Public Hearing

Public Review Comments



Kate Gunther

From: Lisa Francis Tassone
Sent: Wednesday, January 13, 2016 2:29 PM
To: Kate Gunther
Subject: FW: AWMP

Kate,

Here is the third and final comment on the AWMP.

Lisa

-----Original Message-----

From: Bear Yuba [<mailto:bywdinfo@gmail.com>]
Sent: Wednesday, January 13, 2016 8:41 AM
To: Lisa Francis Tassone
Subject: AWMP

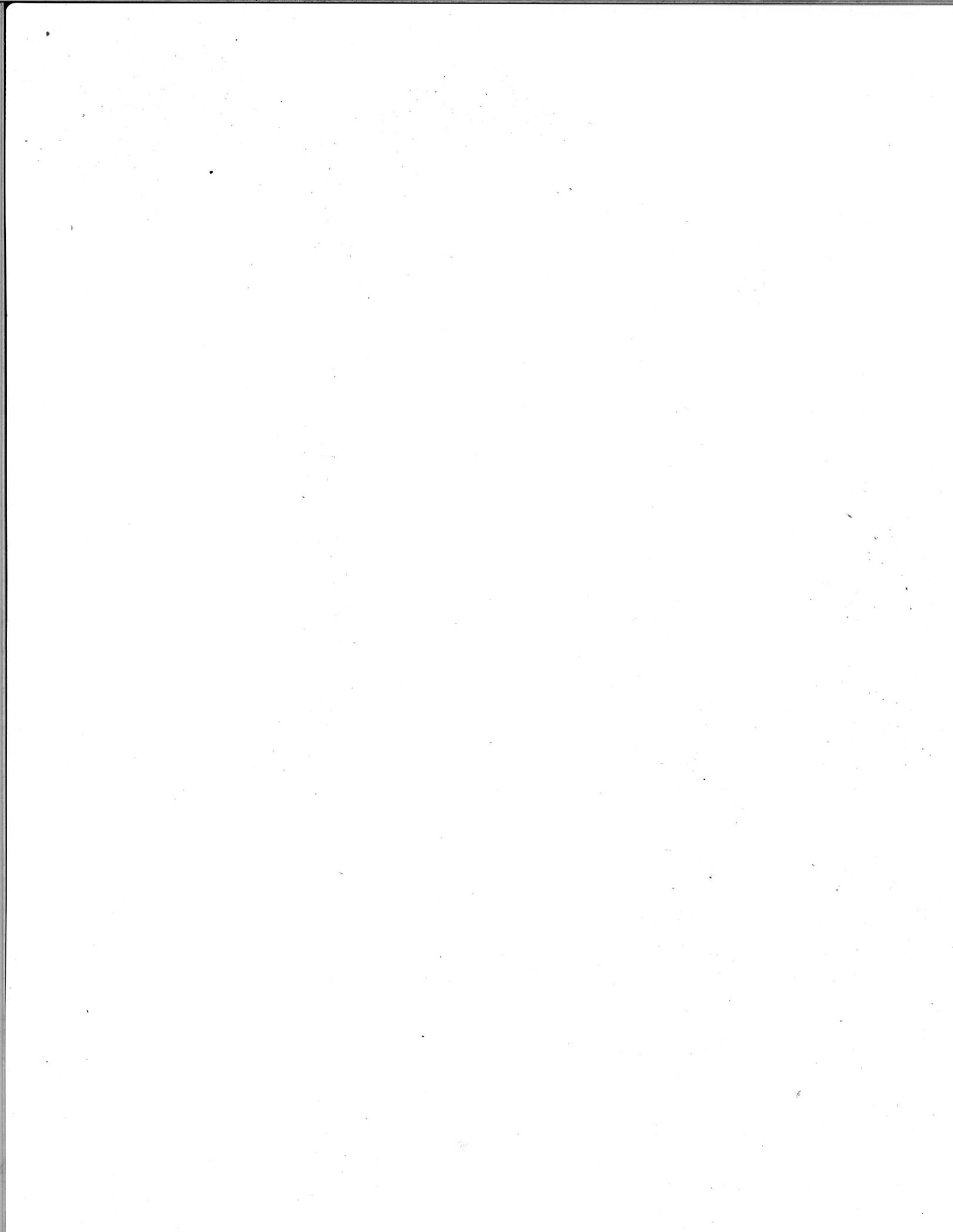
To the Board of Directors for NID

The Bear Yuba Watershed Defense Fund was privileged to review a draft of the letter sent to you by Allan Eberhart and the Foothill Water Network.

We concur with each and every statement in that letter.

Further, we encourage the Board of Directors to delay approval of the AWMP and revisions until additional public review and comments have been received and considered.

Sandy Jansen
Secretary of Bear Yuba Watershed Defense Fund



January 11, 2016

RECEIVED
JAN 12 2016
NEVADA IRRIGATION DISTRICT

Ms Lisa Francis Tassone, Secretary
Nevada Irrigation District

RE: NID 2015 Agricultural Water Management (Brown and Caldwell)

Dear Ms Tassone:

On December 9, 2015, I presented a brief oral statement before the NID board on the subject of the NID 2015 Agricultural Water Management Plan. The comments below are meant to expand the scope of my oral comments.

1.1.3 Coordination Activities:

To the best of my knowledge, the District did not properly notice for public comments. The Auburn Journal recorded the notice as running only one day. There was no notice in the Press Democrat.

Although not required by Section 1084.3(a), it would be a significant benefit to both NID and to the larger community if NID were to adopt a process of public outreach which would include organizing and holding meetings with interested stakeholders to receive input on the formation of the plan. Notification of a public meeting as one of many items on the Board's regular agenda does not provide sufficient public opportunities for involvement and input as witnessed by the near total lack of public comments. An example of effective community outreach is the effort made by Oakdale Irrigation District. Oakdale actively engaged the public through presentations at community group meetings and other public gatherings. The District found the effort to be of considerable benefit.

2.1.1 Size of Service Area. The AWMP states that "There have been no changes to the service area boundaries since the 2012 AWMP as shown in Table 2-2." This is not the case as the Board has voted to expand its area of service in North Lincoln. In addition, in the reasonably foreseeable future NID will most likely undertake additional expansion in North Lincoln with the further development of Villages I - VII and with the new Lincoln treatment plant for the developments. It is also likely that in the near future NID will undertake the Cascade Shores Intertie Project, entailing an additional expansion of the service area. These existing and proposed service area expansions must be identified in the 2015 AWMP and their impact, if any, on agriculture must be examined. The lands in North Lincoln which will be served are being converted from primarily blue oak dry land pasture to urban use, including golf courses and other water intensive recreation. The water for such uses will not come from the fallowed lands and most likely this will have an impact on water availability for other agricultural uses.

Table 2-4 “The District does not have a tailwater/spill recovery system.”

At Table 4.4 “Drainage from water supplier’s surface area” outflow from the distribution system in 2014 is shown as 4,700 acre feet. At EWMP 7 at 10608.48(c)(7) “Construct and Operate Supplier Spill and Tailwater Systems” the AWMP does not reference the losses shown at Table 4.4 stating, instead, “Therefore, this water is being recovered and utilized during irrigation season.”

The three gaging stations that are to be installed will be helpful but more should be done. NID should study and adopt, where possible, the methods employed by Yuba County Water Agency (YCWA 2015 AWMP ES-2).

Table 2-12 Water Rate Basis

NID only considers volume for a rate base. As part of a comprehensive rate review, end use of raw water should be a pricing factor. As an example, golf courses are large users of raw water (5,197 acre feet Table 3.5).

Eliminating fixed costs from the rate base and charging on volume alone with all revenue generated from use (sales) and none from a fixed payment would promote efficiencies.

2.2.5.3 Anticipated Future Actions

“The District is already in the process of increasing storage within the system to improve water supply and reliability i.e. Centennial Reservoir and Power Supply Project.” The 2015 AWMP fails to adequately address supply via storage by referring only to the Centennial project while ignoring other less costly and environmentally destructive options. Existing storage reservoirs can be expanded at less cost and with far fewer impacts. Potential storage from proposed and additional sediment removal projects should be quantified.

Table 3.2

The Table shows that, by far (18,870 acres), forage is the primary agriculture land use. An effort should be made to identify those users whose acreage is used for agricultural practices which generate commercial products. Commercial agriculture should pay per volume at a lower rate than ornamental and landscape users.

3.5 Groundwater Recharge Use

The AWMP states that there is no groundwater aquifer with “the exception of a very small portion of the District’s service area in Lincoln...” part of the Sacramento River Basin. As noted above, NID is expanding its service area in North Lincoln to serve urban growth of several thousand homes. The 2015 AWMP fails to acknowledge this expansion or to consider the options for groundwater storage and conjunctive use provided by the service area expansion. EWMP 8 - Conjunctive Use is applicable.

Table 3.8 Other Water Uses

Water loss from distribution, seepage, evaporation and spills is given as a combined total (13,000 acre feet +/-) yet at Table 5-3 (Quantify Water Use) NID shows no data available for conveyance seepage, conveyance evaporation, conveyance operational spill, reservoir evaporation or reservoir seepage.

Failure to provide estimates for these losses makes the AWMP less effective as a planning tool for determining the most effective means of conserving water.

4.3.4 Exchanges or Transfers

The AWMP notes that “The District is currently considering planned water exchanges on either a short-term or long-term basis.” The AWMP fails to estimate the size or timing of any future transfers or the impact they may have on agricultural water availability. Given that NID is planning construction of a new very expensive reservoir and given that the proposed dam would capture water which currently is stored by South Sutter Water District at Camp Far West reservoir, it is reasonable to expect that in the future (if built) the project would require significant transfers of water from NID both to SSWD as compensation and to south of Delta users as a means both of revenue and of meeting state mandates to protect the Delta.

4.5.1 Surface Water Supply Quality

The AWMP fails to report that five waterways in the Bear watershed are listed under the Clean Water Act Section 303(d) as impaired waterbodies.

5.4 Water Supply Reliability

“The only other source of water [other than rain and snow] for the District is recycled water...” This statement ignores the potential to develop water with aggressive demand side management and efficiency programs. The water supply created by such means in effect expands the systems reliability.

6.2 Regional Climatic Projections

Flooding: “Increased flood potential is projected under many climate scenarios...”

Flooding has not been and should not be a serious issue on the Bear. Many models for climate change predict less snow and as rain on snow events have been the source of the largest flow events on Sierra rivers the diminished snow pack should result in diminished flood flows.

6.3 Long Term Program to Respond to Climate Change

The AWMP is correct to note that it is not possible to accurately model what form climate change will take in any given area (stationarity is dead). However, it is also important to note that the best preparation for climate change is to develop the most efficient system possible to steward whatever precipitation occurs.

Table 7.2 EWMP Efficiency Improvements

NID projects the installation of one to two automated controls per year. SCADA (Supervisory Control and Data Acquisition) provides increased flexibility by, and delivery to, water customers. SCADA has been available for many years and is a proven technology. NID should expand its efforts to install such devices. Modesto Irrigation District at present has 45 automated control points and is considering an additional 30 locations.

Guided by the mandates of the Conservation Act of 2009 (SBX 7-7), the NID 2015 AWMP provides the framework for what could be a valuable planning document; however, because of its failure to aggressively explore and call for the employment of the full range of conservation and efficiency measures available, it does not meet the challenges inherent in climate change.

Again, thank you for the opportunity to comment.

Sincerely,



Allan Eberhart
24084 Clayton Road
Grass Valley CA 95949



FOOTHILLS WATER NETWORK

2016 NID Agricultural Water Plan -- Public Comment.

To: NID Board of Directors

From: Lily Marie, NID Customer Acct. # 26082-00

10995 Garden Ln. / P.O.Box 242

Rough & Ready, CA 95975

I found the plan to be very complete and informative. I was surprised to see that it was fairly easy to understand and move through. I certainly appreciate all the effort and collaboration that went in to the compilation of the document.

Sincerely,
Lily Marie

RECEIVED

JAN 12 2016

NEVADA IRRIGATION DISTRICT

City/County Notification



NEVADA IRRIGATION DISTRICT
Notice of Plan Preparation and Public Hearing

Notice is hereby given that the Nevada Irrigation District is preparing an Agricultural Water Management Plan (AWMP).

A Public Hearing will be held by the Board of Directors on December 9, 2015 at 9:00 A.M., or soon thereafter, at the NID District Board Room, 1036 West Main Street, Grass Valley, California, to consider the following:

- Review Draft Agricultural Water Management Plan

The Draft 2015 Agricultural Water Management Plan will be available for public review approximately starting Tuesday, November 24, 2015 at the following locations:

Online at www.nidwater.com (under Planning, click on AWMP)

Nevada Irrigation District Main Office
1036 W. Main Street
Grass Valley, CA 95945

Grass Valley Public Library
207 Mill Street
Grass Valley, CA 95945

Madelyn Helling County Library
950 Maidu Avenue
Nevada City, CA 95959

We respectfully request that comments be submitted in writing and submitted by the Public Hearing on December 9, 2015. Comments will be incorporated into the record of the Public Meeting and the AWMP. Adoption of the Agricultural Water Management Plan is proposed for December 9, 2015 by the NID Board of Directors, following the AWMP Public Hearing.

Contact Person: Gary D. King, PE
Engineering Manager
1036 W. Main Street
Grass Valley, CA 95945
530 273-6185
king@nid.dst.ca.us

Paul Thompson, Deputy Planning Director
Community Development Resource Agency
Planning Services Division
3091 County Center Drive
Auburn, CA 95603

Gene Albaugh, City Manager
City of Nevada City
317 Broad Street
Nevada City, CA 95959

Cathy Thompson
Nevada County Board of Supervisors
950 Maidu Avenue
Nevada City, CA 95959

Kevin Mallen, Director
Planning Division
Community Development & Services Agency
915 8th Street, Suite 123
Marysville, CA 95901

California State Library
Attention: Government Publications
PO Box 942837
Sacramento, CA 94237-0001

Madelyn Helling County Library
980 Helling Way
Nevada City, CA 95959

Timothy M. Kiser
Public Works Director/City Engineer
City of Grass Valley
125 East Main Street
Grass Valley, CA 95945

Ms. S. R. Jones, Executive Officer
Nevada Co. Local Agency Formation Commission
950 Maidu Avenue
Nevada City, CA 95959

Einan Maisch, General Manager
Placer County Water Agency
PO Box 6570
Auburn, CA 95604

Ken Grehm, Executive Director
Placer County Public Works
3091 County Center Drive
Auburn, CA 95603

Mark Miller, Interim Public Services Director
Public Services Department
City of Lincoln
600 Sixth Street
Lincoln, CA 95648

Bernie Schroeder, Public Works Director
City of Auburn
Public Works Department
1225 Lincoln Way, Room 3
Auburn, CA 95603

Mark Cowin, Director
CA Department of Water Resources
PO Box 942836, Room 1115-1
Sacramento, CA 94236-0001

Kurtis Zumwalt, Program Manager – Land Use
Environmental Health Department
Nevada Co. Community Development Agency
950 Maidu Avenue
Nevada City, CA 95959

Yuba County Library
303 Second Street
Marysville, CA 95901

Placer County Library
350 Nevada Street
Auburn, CA 95603

Lincoln Public Library
485 Twelve Bridges Drive
Lincoln, California 95648

Nevada County Farm Bureau
PO Box 27
Grass Valley Ca 95959

The Placer County Farm Bureau
10120 Ophir Road
Newcastle, CA 95658

Yuba Sutter County Farm Bureau
475 North Palora Avenue, Suite A
Yuba City CA 95991-4742

Yuba Local Area Formation Commission
526 C Street
Marysville, CA 95901

County of Placer Local Area Formation Commission
110 Maple Street
Auburn, CA 95603

Copy of Notice of Public Hearing



LEGAL & PUBLIC NOTICES

Ad #11660309

NEVADA IRRIGATION DISTRICT Notice of Plan Preparation and Public Hearing

Notice is hereby given that the Nevada Irrigation District is preparing an Agricultural Water Management Plan (AWMP).

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Contact Person: Gary D. King, PE
Engineering Manager
1036 W. Main Street
Grass Valley, CA 95945
530 273-8185
king@nid.dst.ca.us

Publish: November 10, 2015 Ad #11674570

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LEGAL NOTICE

NEVADA IRRIGATION DISTRICT

Notice of Plan Preparation and Public Hearing

Notice is hereby given that the Nevada Irrigation District is preparing an Agricultural Water Management Plan (AWMP).

A Public Hearing will be held by the Board of Directors on December 9, 2015 at 9:00 A.M., or soon thereafter, at the NID District Board Room, 1036 West Main Street, Grass Valley, California, to consider the following:

- Review Draft Agricultural Water Management Plan

The Draft 2015 Agricultural Water Management Plan will be available for public review approximately starting Tuesday, November 24, 2015 at the following locations:

Online at www.nidwater.com (under Planning, click on AWMP)

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We respectfully request that comments be submitted in writing and submitted by the Public Hearing on December 9, 2015. Comments will be incorporated into the record of the Public Meeting and the AWMP. Adoption of the Agricultural Water Management Plan is proposed for December 9, 2015 by the NID Board of Directors, following the AWMP Public Hearing.

Contact Person: Gary D. King, PE
Engineering Manager
1036 W. Main Street
Grass Valley, CA 95945
530 273-6185
king@nid.dst.ca.us

PUBLISHED IN AUBURN JOURNAL: NOVEMBER 11, 2015

NEVADA IRRIGATION DISTRICT
Notice of Plan Preparation

The Nevada Irrigation District has extended the timeframe for review of its Draft Agricultural Water Management Plan.

The Plan remains available for public review at the following locations:

Online at www.nidwater.com (under Planning, click on AWMP)

Nevada Irrigation District Main Office
1036 W. Main Street
Grass Valley, CA 95945

Grass Valley Public Library
207 Mill Street
Grass Valley, CA 95945

Madelyn Helling County Library
980 Helling Way
Nevada City, CA 95959

We respectfully request that comments be submitted in writing prior to the potential Board of Directors adoption date of January 13, 2016. Comments will be incorporated into the record of the meeting and the AWMP.

Contact Persons:

Gary D. King, PE
Engineering Manager
1036 W. Main Street
Grass Valley, CA 95945
530 273-6185
king@nidwater.com

Chip Close,
Water Operations Manager
1036 West Main Street
Grass Valley, CA 95945
(530) 273-6185
close@nidwater.com

Appendix B: 2015 Agricultural Water Management Plan Adopted Resolution



RESOLUTION No. 2016-02

OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT

**ADOPTING FILING AND IMPLEMENTING THE
AGRICULTURAL WATER MANAGEMENT PLAN UPDATE**

WHEREAS, the California Legislature enacted SBX 7-7, the Conservation Act of 2009 (Water Code Section 10820 et sequences), known as the Agricultural Water Management Planning Act which mandates that every agricultural water supplier providing water for more than 10,000 irrigated acres prepare an Agricultural Water Management Plan (Plan); and

WHEREAS, the Nevada Irrigation District (District) is supplying water to more than 10,000 irrigated acres; and

WHEREAS, the Governor of the State of California implemented Executive Order B-29-15 (April 1, 2015) that requires suppliers to quantify water supplies and demands for 2013, 2014, and 2015 and prepare a Drought Management Plan and incorporate the information within the Plan; and

WHEREAS, the California Department of Water Resources requires the Plan be adopted on or before December 31, 2015, after public review and hearing, and filed with the California Department of Water Resources within 30 days of adoption; and

WHEREAS, the District properly noticed the public hearing regarding said Plan and was held by the District Board of Directors on December 9, 2015; and

WHEREAS, the District extended the public written comment period to January 13, 2016 and notified agencies of the extension; and

WHEREAS, the District did prepare and shall file said Plan with the California Department of Water Resources by January 31, 2016; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Nevada Irrigation District as follows:

- (1) The 2015 Agricultural Water Management Plan is hereby adopted and ordered filed with the District;
- (2) The Secretary of the Board of Directors is hereby authorized and directed to file the Plan with the California Department of Water Resources within 30 days after this date;
- (3) The General Manager is hereby authorized and directed to implement the Agricultural Water Management Plan which includes elements of water use efficiency;
- (4) The General Manager shall recommend to the Board of Directors additional procedures, rules and regulations to carry out effective and equitable allocation of water resources.

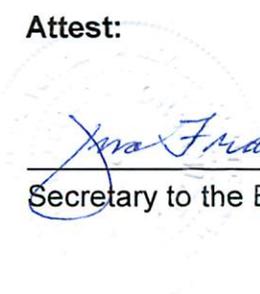
PASSED AND ADOPTED by the Board of Directors of Nevada Irrigation District at a meeting duly called and held within the District on the 13th day of January 2016 by the following roll call vote:

AYES: Directors: Drew, Miller, Morebeck, Wilcox, Weber
NOES: Directors: None
ABSENT: Directors: None
ABSTAINS: Directors: None



President of the Board of Directors

Attest:



Secretary to the Board of Directors

Appendix C: DWR Plan Review Checklist

DWR Agricultural Water Management Plan Checklist

AWMP* Location	Guidebook Location	Description	Water Code Section (or other, as identified)
Section 1.1	1.4	AWMP Required?	10820, 10608.12 Executive Order B-29-15
Section 1.1	1.4	At least 25,000 irrigated acres <i>At least 10,000 irrigated acres</i>	10853 <i>Executive Order B-29-15</i>
n/a	1.4	10,000 to 25,000 acres and funding provided	10853
Section 1.1	1.4	December 31, 2015 update <i>July 1, 2016 2015 AWMP for agricultural water suppliers 10,000 to 25,000 irrigated acres</i>	10820 (a) <i>Executive Order B-29-15</i>
Section 1.1	1.4	5-year cycle update	10820 (a)
n/a	1.4	New agricultural water supplier after December 31, 2012 - AWMP prepared and adopted within 1 year	10820 (b)
n/a	1.5, 5	USBR water management/conservation plan:	10828(a)
n/a	1.5, 5.1	Adopted and submitted to USBR within the previous four years, AND	10828(a)(1)
n/a	1.5, 5.1	The USBR has accepted the water management/conservation plan as adequate	10828(a)(2)
n/a	1.4	UWMP or participation in area wide, regional, watershed, or basin wide water management planning: does the plan meet requirements of SB X7-7 2.8 (use checklist)	10829
Section 1.2	3.1 A	Description of previous water management activities	10826(d)
Section 1.3.2/ Appendix A	3.1 B.1	Was each city or county within which supplier provides water supplies notified that the agricultural water supplier will be preparing or amending a plan?	10821(a)
Section 1.3.2	3.2 B.2	Was the proposed plan available for public inspection prior to plan adoption?	10841
Section 1.3.2	3.1 B.2	Publicly-owned supplier: Prior to the hearing, was the notice of the time and place of hearing published within the jurisdiction of the publicly owned agricultural water supplier in accordance with Government Code 6066?	10841
Section 1.3.2	3.1 B.2	14 days notification for public hearing	GC 6066
Section 1.3.2	3.1 B.2	Two publications in newspaper within those 14 days	GC 6066

AWMP* Location	Guidebook Location	Description	Water Code Section (or other, as identified)
Section 1.3.2	3.1 B.2	At least 5 days between publications? (not including publication date)	GC 6066
n/a	3.1 B.2	Privately-owned supplier: was equivalent notice within its service area and reasonably equivalent opportunity that would otherwise be afforded through a public hearing process provided?	10841
Section 1.4.1	3.1 C.1	After hearing/equivalent notice, was the plan adopted as prepared or as modified during or after the hearing?	10841
Section 1.4.2	3.1 C.2	Was a copy of the AWMP, amendments, or changes, submitted to the entities below, no later than 30 days after the adoption?	10843(a)
Section 1.4.2	3.1 C.2	The department.	10843(b)(1)
Section 1.4.2	3.1 C.2	Any city, county, or city and county within which the agricultural water supplier provides water supplies.	10843(b)(2)
Section 1.4.2	3.1 C.2	Any groundwater management entity within which jurisdiction the agricultural water supplier extracts or provides water supplies.	10843(b)(3)
Section 1.4.2	3.1 C.2	Any urban water supplier within which jurisdiction the agricultural water supplier provides water supplies.	10843(b)(4)
Section 1.4.2	3.1 C.2	Any city or county library within which jurisdiction the agricultural water supplier provides water supplies.	10843(b)(5)
Section 1.4.2	3.1 C.2	The California State Library.	10843(b)(6)
Section 1.4.2	3.1 C.2	Any local agency formation commission serving a county within which the agricultural water supplier provides water supplies.	10843(b)(7)
Section 1.4.2	3.1 C.3	Adopted AWMP availability	10844
Section 1.4.2	3.1 C.3	Was the AWMP available for public review on the agricultural water supplier's Internet Web site within 30 days of adoption?	10844(a)
Section 1.4.2	3.1 C.3	If no Internet Web site, was an electronic copy of the AWMP submitted to DWR within 30 days of adoption?	10844(b)
Section 1.5	3.1 D.1	Implement the AWMP in accordance with the schedule set forth in its plan, as determined by the governing body of the agricultural water supplier.	10842
Section 2.1	3.2	Description of the agricultural water supplier and service area including:	10826(a)
Section 2.1.1	3.2 A.1	Size of the service area.	10826(a)(1)
Section 2.1.2	3.2 A.2	Location of the service area and its water management facilities.	10826(a)(2)
Section 2.1.3	3.2 A.3	Terrain and soils.	10826(a)(3)

AWMP* Location	Guidebook Location	Description	Water Code Section (or other, as identified)
Section 2.1.4	3.2 A.4	Climate.	10826(a)(4)
Section 2.2.1	3.2 B.1	Operating rules and regulations.	10826(a)(5)
Section 2.2.2	3.2 B.2	Water delivery measurements or calculations.	10826(a)(6)
Section 2.2.3	3.2 B.3	Water rate schedules and billing.	10826(a)(7)
Section 2.2.4	3.2 B.4	Water shortage allocation policies. <i>Drought Management Plan</i>	10826(a)(8) <i>Executive Order B-29-15</i>
Section 3	3.3	Water uses within the service area, including all of the following:	10826(b)(5)
Section 3.1	3.3 A	Agricultural.	10826(b)(5)(A)
Section 3.2	3.3 B	Environmental.	10826(b)(5)(B)
Section 3.3	3.3 C	Recreational.	10826(b)(5)(C)
Section 3.4	3.3 D	Municipal and industrial.	10826(b)(5)(D)
Section 3.5	3.3 E	Groundwater recharge.	10826(b)(5)(E)
Section 3.6	3.3 F	Transfers and exchanges.	10826(b)(5)(F)
Section 3.7	3.3 G	Other water uses.	10826(b)(5)(G)
Section 4	3.4 A	Description of the quantity of agricultural water supplier's supplies as:	10826(b)
Section 4.1	3.4 A.1	Surface water supply.	10826(b)(1)
Section 4.2	3.4 A.2	Groundwater supply.	10826(b)(2)
Section 4.3	3.4 A.3	Other water supplies.	10826(b)(3)
Section 4.4	3.4 A.4	Drainage from the water supplier's service area.	10826(b)(6)
Section 4.5	3.4 B	Description of the quality of agricultural waters suppliers supplies as:	10826(b)
Section 4.5.1	3.4 B.1	Surface water supply.	10826(b)(1)
Section 4.5.2	3.4 B.2	Groundwater supply.	10826(b)(2)
Section 4.5.3	3.4 B.3	Other water supplies.	10826(b)(3)
Section 4.6	3.4 C	Source water quality monitoring practices.	10826(b)(4)
Section 4.5.4	3.4 B.4	Drainage from the water supplier's service area.	10826(b)(6)
Section 5	3.5	Description of water accounting, including all of the following:	10826(b)(7)
Section 5.1	3.5 A	Quantifying the water supplier's water supplies.	10826(b)(7)(A)

AWMP* Location	Guidebook Location	Description	Water Code Section (or other, as identified)
Section 5.2	3.5 B	Tabulating water uses.	10826(b)(7)(B)
Section 5.3	3.5 C	Overall water budget.	10826(b)(7)(C)
Section 5.4	3.5 D	Description of water supply reliability.	10826(b)(8)
Section 6	3.6	Analysis of climate change effect on future water supplies analysis	10826(c)
Section 7	3.7	Water use efficiency information required pursuant to Section 10608.48.	10826(e)
Section 7.1	3.7 A	Implement efficient water management practices (EWMPs)	10608.48(a)
Table 7-1	3.7 A.1	Implement Critical EWMP: Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).	10608.48(b)
Table 7-1	3.7 A.1	Implement Critical EWMP: Adopt a pricing structure for water customers based at least in part on quantity delivered.	10608.48(b)
Table 7-1	3.7 A.2	Implement additional locally cost-effective and technically feasible EWMPs	10608.48(c)
Section 7.4	3.7 B	If applicable, document (in the report) the determination that EWMPs are not locally cost-effective or technically feasible	10608.48(d)
Table 7-1	3.7 A	Include a report on which EWMPs have been implemented and planned to be implemented	10608.48(d)
Table 7-2	3.7 A	Include (in the report) an estimate of the water use efficiency improvements that have occurred since the last report, and an estimate of the water use efficiency improvements estimated to occur five and 10 years in the future.	10608.48(d)
N/A	5	USBR water management/conservation plan may meet requirements for EWMPs	10608.48(f)
Section 8.1 (N/A)	6 A	Lack of legal access certification (if water measuring not at farm gate or delivery point)	CCR §597.3(b)(2)(A)
N/A	6 B	Lack of technical feasibility (if water measuring not at farm gate or delivery point)	CCR §597.3(b)(1)(B), §597.3(b)(2)(B)
Section 8.2 (N/A)	6 A, 6 B	Delivery apportioning methodology (if water measuring not at farm gate or delivery point)	CCR §597.3.b(2)(C),
Section 8.3	6 C	Description of water measurement BPP	CCR §597.4(e)(2)
Section 8.4	6 D	Conversion to measurement to volume	CCR §597.4(e)(3)
Section 8.5 (N/A)	6 E	Existing water measurement device corrective action plan? (if applicable, including schedule, budget and finance plan)	CCR §597.4(e)(4)

* Note where compliance with this requirement is located in your AWMP

Appendix D: Nevada Irrigation District Water Service Regulations

**NEVADA IRRIGATION DISTRICT
WATER SERVICE REGULATIONS
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SCHEDULES

FORMS

SECTION 1

INTRODUCTION

1.01 PURPOSE AND HISTORY OF DISTRICT

The Nevada Irrigation District was formed August 15, 1921, by a vote of the people to collect, store and deliver irrigation water to farmers and ranchers. The District now encompasses approximately 287,000 acres and provides both agricultural and treated water to connections that will soon reach 25,000 due to projected growth increases.

eff. 6/11/03

1.02 WATER SUPPLY AND FACILITIES

The District's water supply originates in the upper reaches of the middle and south Yuba River as well as from the Bear River and Deer Creek waterflows. The District owns 10 storage reservoirs containing a capacity of 280,380 acre-feet. Treated water facilities include 8 treatment plants, 39 storage tanks and 325 miles of pipeline. The District also owns and operates five hydroelectric power plants. Power from the District Plants is sold to Pacific Gas and Electric Company. The plants provide on an average year about 350 million kilowatt hours of energy, an amount estimated to serve the equivalent of 85,000 homes. Two other plants, producing about 4 million kilowatts hours annually, are operated by the District under terms of private financing contracts, with the District sharing in revenue. Recreation facilities, operated by concessionaires and the United States Forest Service, are also provided at four of the District's reservoirs.

eff. 6/11/03

1.03 ORGANIZATION OF THE DISTRICT

Under the provisions of the Irrigation District Law, California Water Code Sections 20500 et seq, the affairs of the District are administered by a Board of Directors consisting of five members who are elected for a term of four years. Each Board member is elected by qualified voters within a certain division of the District. The District employs a General Manager, who reports directly to the Board, and a staff of about 170 employees to perform the daily operations of the District.

eff. 6/11/03

1.04 MEETINGS OF BOARD

The Board holds regular meetings on the second and fourth Wednesdays of each month, at the District's main office, located at 1036 W. Main St., Grass Valley, California. The public is welcome and encouraged to attend these meetings.

1.05 PURPOSE OF REGULATIONS

These Regulations are published pursuant to Section 22257 of the Irrigation District Law and provide for the equitable distribution and use of water within the District.

1.06 MODIFICATIONS TO REGULATIONS

These Regulations may be modified, amended or supplemented at any time by Board action.

eff. 6/11/03

SECTION 2

DEFINITIONS

2.01 ACRE FOOT (Ac Ft)

Term used in water measurement. By California statute, one acre foot equals 43,560 cubic feet or 325,851 gallons.

eff. 6/11/03

2.02 AGENT

Any person hired or under contract with or acting on behalf of the District.

eff. 6/11/03

2.03 APPLICANT

Any person applying for District service.

eff. 6/11/03

2.04 AWWA

American Water Works Association

eff. 6/11/03

2.05 BOARD

The elected Board of Directors of Nevada Irrigation District.

eff. 6/11/03

2.06 CHARGES

Includes tolls, rates, fees and any charges for service rendered by District.

eff. 6/11/03

2.07 CONDUIT

Includes canals, laterals, ditches, flumes, pipes and appurtenances.

eff. 6/11/03

2.08 CUSTOMER

Any person supplied or entitled to be supplied with water service by the District in accordance with established regulations, rates and charges.

eff. 6/11/03

2.09 DISTRICT

Nevada Irrigation District, organized and operating under the State of California, Division 11 of the California Water Code.

eff. 6/11/03

2.10 **DISTRICT APPROVAL**

Approved by the Board, or a delegated employee, such as the General Manager.

eff. 6/11/03

2.11 **DISTRICT FACILITY**

Any facility which is owned by the District.

eff. 6/11/03

2.12 **EMPLOYEE**

Employed by the District on a regular basis to conduct the day-to-day business of the District.

eff. 6/11/03

2.13 **FACILITIES**

Any device or structure used for the storage, transmission, distribution, treatment, measurement of water, or for hydroelectric power production.

eff. 6/11/03

2.18 OPERATE

Includes operation, maintenance, repair and replacement activities.

eff. 6/11/03

2.19 OUTSIDE DISTRICT

Property lying outside District boundaries, or excluded from District, and not subject to assessment.

eff. 6/11/03

2.20 PARCEL

Shall mean each separate lot or unit of land denominated by the county assessor as possessing and holding a separate parcel number, under the mapping and numbering systems of such assessor.

eff. 6/11/03

2.21 PERSON

Any person(s), firm, association, organization, partnership, business trust, corporation, company, or other entity.

eff. 6/11/03

2.22 PREMISES

Integrated land area including improvements operated under the same ownership and management.

eff. 6/11/03

2.23 PRIVATE FACILITY

Any facility not owned by the District.

eff. 6/11/03

2.24 RAW WATER

Water which has not been processed and is not safe for human consumption.

eff. 6/11/03

2.25 REGULATIONS

Refers to “Regulations Relating to Water Service” and includes all rules and regulations providing for the equitable distribution and use of water.

eff. 6/11/03

2.26 BOARD SECRETARY

Appointed by the Board to act as secretary to the Board.

eff. 6/11/03

2.27 TREATED WATER

Water which has been processed to make it safe for human consumption.

eff. 6/11/03

2.28 WATER CODE

Refers to that portion of the California Codes dealing with appropriation and control of water, and the formation and powers of an irrigation district.

eff. 6/11/03

2.29 WATER MAIN

District treated water pipeline used for water distribution.

eff. 6/11/03

2.30 WATER SERVICE

Includes the availability of water to a premises through District facilities and any water supplied through such facilities.

eff. 6/11/03

2.31

WATER USER

Any person actually supplied with water service by the District.

eff. 6/11/03

2.32

WITHIN DISTRICT

Property lying within the District boundaries.

eff. 6/11/03

SECTION 3

GENERAL CONDITIONS OF WATER SERVICE

3.01 CUSTOMER COMPLIANCE

Each customer, by applying for or receiving water service from the District, agrees to be bound by and to comply with all Regulations of the District, as adopted from time to time by the Board.

3.02 CONTROL OF DISTRICT FACILITIES

All District facilities are under the exclusive control of the Board and its designated employees; and no other person shall interfere with, regulate or control any such facilities, or the water flowing therein, without authorization of the Board.

3.03 ALL WATER BELONGS TO DISTRICT

The District expressly reserves the right to recapture, reuse and resell all waters within the boundaries of the District. No water user acquires a proprietary right by reason of use.

3.04 PLACE AND USE OF WATER

Except with the prior written authorization of the District, no customer shall use, or permit the use of any water furnished by the District on any premises, or for any purpose other than that specified in the application for service, nor shall any customer resell any water furnished by the District.

3.05

WATER CONSERVATION

The District has a duty to protect and preserve its water resources for future generations. Water is a limited commodity and should be utilized in a responsible manner. In order to preserve water and protect District water rights, conservation and efficient water use must be practiced.

The following is a list of water usage that the District may consider a waste and therefore unreasonable use.

Treated Water:

Washing down paved surfaces unless for safety or sanitation, in which case a bucket, a hose with a shut-off nozzle, or a low-volume/high-pressure water broom must be used:

- Watering or irrigating landscapes or vegetation of any kind that creates excessive water flow or runoff onto pavement, gutters or ditches;
- Washing of vehicle with a hose unless equipped with a water shut-off nozzle (does not apply to commercial car washes);
- Cleaning of gutters by flooding with water;
- Landscape watering during the heat of the day (between 10am and 6pm);
- Use of fountains and water features that do not re-circulate water;
- Failure to repair leaks, breaks or malfunctions in a timely manner once found or after receiving a notice from the District;
- Outdoor watering during periods of rain;
- Any infraction of mandatory measures in place during implementation of District Drought Contingency Plan.

Irrigation Water:

- Failure to repair leaks, breaks or malfunctions in a timely manner once found, or after receiving notice from the District;
- Water not confined to the customer's property and being allowed to run off and cause damage to adjoining properties or to the roadside ditch or gutter;

- Any infraction of mandatory measures in place during implementation of Drought Contingency Plan.

Water users in violation of any of the practices, or one who willfully, carelessly, or due to defective or inadequate private facilities, may be subject to fines, reduction, or termination of service.

eff. 7/22/2015

3.06 TITLE TO WATER DELIVERED

Title to water furnished by the District, the risk of loss thereof and full responsibility for the carriage, handling, storage, disposal and use thereof shall pass from the District to the water user at the service point from the District facility.

3.07 OUTSIDE DISTRICT WATER USE

No use of District water will take place outside the District, except when it is deemed surplus to the needs of the District and the Board has declared the water surplus and approved an agreement for its sale. No outside District water user acquires a proprietary right by reason of past use. Applicants must reapply for service every three years on metered accounts and once a year for non-metered accounts. Outside District user(s) located within the interior boundaries of the District shall not be permitted to upsize their service without expressed approval by the Board.

eff. 6/22/88

3.08 NON-LIABILITY OF DISTRICT

The District will exercise reasonable care and diligence to deliver a continuous supply of water to its customers. However, the District is not, and will not, be liable for any loss, damage, or inconvenience to any water user by reason of shortage, insufficiency, suspension, or

discontinuance of water service, or the increase or decrease of water pressure. Each water user agrees to hold the District and its employees and agents free and harmless from liability and damages caused by such loss, damage, or inconvenience.

3.09 ENGINEERING SERVICES

All water users and applicants requiring special engineering, inspection and administration, relating to providing water service, as well as for relocation or modifications to District facilities, will compensate the District for such special services.

eff. 1/1/94

3.10 UPDATING SPECIFIC CHARGES

All specific charges provided for in these Regulations will be reviewed and updated, if found necessary, on a periodic basis. All reviews will be conducted on an actual cost of service basis to provide for the most equitable charges possible.

3.11 ADDITIONAL CONDITIONS CONTAINED IN APPLICATIONS

Applications for water service may contain additional conditions and requirements relating to service. By signing the application, the customer acknowledges compliance with those additional conditions, as well as these Regulations.

3.12 ENFORCEMENT OF REGULATIONS

The General Manager shall enforce the provisions of the Regulations and will provide explanations and information as may be necessary and proper in connection with the Regulations. The General Manager may also make minor modifications to all forms contained in Appendix B of these Regulations.

eff. 6/11/03

SECTION 4

TREATED WATER SERVICE

4.01 SUPPLEMENTAL DEFINITIONS

4.01.01 Fully Treated Water

Water receiving treatment that will meet all applicable state health standards for a treated water system.

eff. 6/11/03

4.01.02 Tank or Temporary Construction Water

Water utilized from a non-permanent service point normally drafted from a fire hydrant, for temporary purposes, such as for construction activities. Water may also be provided from the District's raw water system. This class of water is not to be used for domestic purposes, except in an emergency situation as determined by the District.

eff. 8/12/87; rev. 6/11/03

4.01.03 Commercial Use

All uses of water except those categories included as non-commercial use.

eff. 6/11/03

4.01.04 Non-commercial Use

All uses of water by individual residences, as well as by public agencies, schools, churches, and documented non-profit entities.

eff. 6/11/03

4.01.05 Conveyance Agreement

An agreement entered into by the District and a developer, as discussed further in Section 10.03.03, which provides for the installation and conveyance of certain facilities to be owned and operated by the District related to the treatment, transportation, distribution and/or storage of water and further specifies the capacity charge payable upon connection to such facilities.

eff. 6/11/03

4.01.06 Water Development Agreement

A written agreement between the District and developer relating to the installation of certain treated water system improvements or to special capacity charges. This term was utilized in referring to Board Resolution 74-55.

eff. 6/11/03

4.01.07 Standby Charge

A charge levied against a parcel which is not receiving treated water service from the District to compensate for the costs of maintaining and operating existing District facilities capable of serving the parcel.

eff. 6/11/03

4.01.08 Standby Factor

A retroactive standby charge from the date the pipeline was installed, or accepted by the District, to the date the parcel was divided.

eff. 6/11/03

4.01.09 Minimum Size Water Service

Considered to be a 5/8-inch metered treated water service.

eff. 6/11/03

4.02

STANDBY CHARGES

4.02.01 General

There shall be a charge, as shown in Schedule 4-A, to each parcel located in the District, which parcel is adjacent to, and has direct access to, a District treated water main which can provide a minimum size service. A parcel which is located so that a connection may be made to a District water main without necessity of obtaining any additional “non-District” easements or rights of access from any party will be considered as having direct access. The necessity of obtaining an encroachment permit or equivalent permission from the state or county division of government designated as controlling a roadway or easement, shall not prevent the levy of a standby charge. A parcel will be considered adjacent to a District water main when a principal part of the parcel’s frontage has access to the water main as further discussed in Section 10.01.01(c) of these Regulations.

A court decree or proscription of the Department of Real Estate, Corporation Commission or other state or county body or official against using land for residential or commercial purposes shall not excuse such land from being subject to a standby charge as a parcel.

4.02.02 Uncollected Standby

Prior to acceptance of an application for water service, any uncollected standby, whether or not billed, shall be collected. Standby charges are collectable from the date the parcel became adjacent to, and had direct access to, a District water main and as determined by past agreements and inception dates of the standby charge.

The standby charges paid by the owners of a parcel shall remain with and run with the parcel and may not be transferred or assigned except that the successor owner of the same parcel shall receive credit for all standby charges paid by predecessor of the same parcel.

4.02.03 Parcel Divisions

If a parcel shall be divided into two or more parcels adequately fronting a District water main, for the purpose of this provision, each division of the larger parcel shall be entitled to credit for its ratio of the total standby charges previously paid by the larger parcel. The ratio shall be the number one over the number representing the total number of parcels existing after the division. The standby charge shall be calculated as if the parcels formed by the division shall have existed on the date the pipeline was installed or accepted by the District.

If there is an existing metered service prior to the division of a parcel, there is no credit given to the new parcels created that have no water service.

The standby factor may be deferred until the water service is requested.

4.02.04 Properties Having Another Source of Water

A parcel which is subject to a standby charge, but which has a well or raw water service prior to installation of the District water main, may not be subject to the standby charge upon District approval. Should water service be requested at a later date, back standby charges and late charges will be collected from the date the parcel became subject to a standby charge.

eff. 9/15/95

4.02.05 Variances Granted by the Board

When a system extension variance is granted by the Board, as discussed in Section 10.08, a standby charge from the date the District main was installed or accepted by the District shall be paid prior the District's acceptance of the application for water service for that parcel.

4.03 WATER SERVICE REQUEST

4.03.01 Route Slip

As a first step in receiving water service, an applicant must fill out Form 4-A, Request for New Treated Water Service, Information Route Sheet, or Form 4-B, Request for Transfer of Treated Water Service, Information Route Sheet.

4.03.02 Application

If water service is available to the parcel, as determined by the District, the owner will be required to sign a formal application Form 4-C, except as noted in Section 4.03.03, and pay the appropriate connection fee and any other fees and/or deposits that are payable under these Regulations. Applicants for tank or temporary construction water need to fill out Form 4-D and do not go through the route sheet procedures.

4.03.03 Exception to Signed Application

In order to continue water service to properties that are owned by Federal National Mortgage Association (FNMA), an authorized representative may sign the application for water service in lieu of FNMA. \$150.00 must be paid on the account to be applied against the water service charges and the account must be kept current.

eff. 2/22/95; rev. 6/11/03

4.04 CONNECTION FEES

4.04.01 General

The connection fee is made up of two components; the meter installation charge and the capacity charge. As discussed further in Section 4.04.03, the actual capacity charge for a particular water service may vary based on prior agreements covering the service.

4.04.02 Meter Installation Charge

This charge is shown in Schedule 4-A and compensates the District for the cost of installing a meter and related piping and appurtenances at a District specified location. Customers requesting an alternate location of a meter assembly other than that specified, if approved, may be charged additional costs as provided in Section 4.06.02.

rev. 01/26/05

4.04.03 Capacity Charge

The capacity charge represents the customer's share of capital costs associated with the District's treated water system. Cost components are included for the treatment plant, storage tank and transmission pipelines and are based on the anticipated capacity requirements of a water service. These charges are non-refundable if service is terminated at a later date.

Capacity charges are shown in Schedule 4-A; however, in the case of water services covered by conveyance agreements or water development agreements, special capacity charges may be indicated. All water development agreements based on Board Resolution 74-55 provide for no capacity charge for a minimum size water service since the original developer had paid these charges, or installed the necessary water system improvements as part of the development. (The term "water development agreement" is no longer utilized in writing agreements.)

4.05 WATER PRESSURE

4.05.01 Variations of Water Pressure

Due to the foothill terrain predominating District treated water service areas, large variations of pressure can occur along a short stretch of any water main. Under normal conditions, the District attempts to maintain a minimum pressure of 20 pounds per square inch (psi) at its water main. It is the customer's responsibility to provide adequate size service lines on the customer side of the meter assembly, as well as any pumping facilities needed to compensate for water pressure losses between the meter assembly to the point of water use.

4.05.02 Low Pressure

If the District determines that a new service point would provide a normal pressure of less than 20 psi at the District's water main, the customer will be informed of the low pressure situation at the time of application. The customer will be required to acknowledge in writing that a notification was received prior to District approval of the application.

4.05.03 High Pressure

If the District determines that a new service point may provide pressure in excess of 80 psi at the District's water main, the customer will be notified of the high pressure at the time of application and that the installation of a pressure-reducing valve, along with a pressure relief valve, may be advisable. The customer will be responsible for installation and maintenance of the valves.

The District will provide the installation of a pressure-reducing valve at no cost to the existing customer where actions by the District cause an increase in the normal sustained operating pressure in the water main to exceed 80 psi. Upon installation, the pressure-reducing valve becomes the property and responsibility of the customer.

4.05.04 Excessive Pressure Variations Caused by Customer's Equipment

A customer shall not install any pump, quick closing valve, or other equipment or devices which cause excessive pressure drops or surges in the District's water system. Violation of this regulation will be cause for immediate termination of service. The customer will be liable for all damages to District facilities resulting from the installation of any such equipment.

4.05.05 Water Heaters

Water heater installations should be made in conformity with the applicable plumbing code. In addition, customers with back flow protection devices or pressure reducing valves installed as part of their water service should consult with a professional plumber for advice on thermal expansion safeguards.

The District will not be responsible for the safety of domestic or commercial water heaters, boilers or tanks on the premises of any customer.

eff. 6/11/03

4.06

METER INSTALLATIONS

4.06.01 General

In order to equitably distribute, conserve and limit capacity in the District's water system, all treated water services will be metered in a manner meeting District approval. The District will own and maintain the meter assembly to and including the customer's service valve located on the customer's side of the meter.

4.06.02 Location

The District reserves all rights in determining the location of metered services. The location of the water meter shall be determined by the District prior to accepting application for service. The location will be based on the most economical installation and providing proper access for meter reading and maintenance. Customers requesting an alternate location, if approved, shall pay all costs associated with installing the meter assembly and related piping and appurtenances based on the District's cost estimate, but not less than the charge shown in Schedule 4-A.

Rev. 01/26/05

4.06.03 Parcel Requirements

Each parcel of land being served treated water must have at least one meter connection. A meter connection may not be used to serve two or more parcels. An exception to the above is the use of one meter connection to serve a green belt area common to several parcels which contain commercial type development. In this case, the owners of the parcels being served must either form an association or assign a trustee who is responsible for the upkeep of the common area and responsible for paying water use charges. Each of the parcels involved in the green belt area must have its own meter connection for water uses other than service to the green belt area.

In certain instances the District, at its sole discretion, may permit a single parcel to have more than one meter connection. Examples include a shopping center with varied tenant water requirements or two residences located on one parcel. The District may require parallel meter

assemblies with downstream valved inerties for certain customers who are sensitive to water outages caused by periodic maintenance or testing of the meter assembly.

4.06.04 Extent of Service Through Meter

The District provides metered service by using two different concepts, individual meters and master meters.

Individual meters are used for residential, commercial and industrial parcels and lots as well as townhomes, residential condominiums and mobile home subdivision lots. In general, individual meters are placed along the street frontage of each parcel at lot corners. In the case of individually metered condominiums and townhomes, the meters are placed in the general vicinity of each cluster of units in a manner acceptable to the District and the onsite waterlines leading to the meter complexes are conveyed to the District for ownership. Separate meters are required for green belt and common use areas in these types of developments.

Master meters are used for apartment buildings, mobile home parks, motels, hotels, campgrounds, hospitals, skilled nursing facilities and board and care facilities. Master meters are generally placed along the project's frontage near the District's water main in a manner meeting District approval. In certain instances, the District may require conveyance and ownership of water mains located inside the project in order to properly serve areas lying beyond the project or to provide for future looping of the District's water distribution system. In these cases, master meters may be placed along the interior of the project in the general vicinity of the main building clusters in a manner meeting District approval.

Condominiums developed for office, professional, commercial, or industrial uses may be metered individually or by a master meter at the discretion of the owner. If a master meter is selected, an association or trustee must be assigned the responsibility for paying all water use charges.

The metering concepts discussed above shall also apply to the conversions of existing buildings. As an example, conversions of a building to residential condominiums will require a meter for each unit.

From time to time, new state and county statutes may be adopted allowing for new types of developments. The metering concept to be used, either master meter or individual meters, in cases of types of developments not specifically discussed in these Regulations, will be determined by the District on a case-by-case basis.

eff. 6/11/03

4.06.05 Sizing

The customer will make the basic determination as to the size of meter required; however, the District reserves the right to approve the size of service allowed.

Services to individual homes are normally limited to 5/8-inch or 3/4-inch size.

4.06.06 Customer Responsibilities

The customer is responsible for the acquisition and maintenance of any required easements or permits; the installation, maintenance and operation of the private service pipeline and appurtenances thereof located on the customer's side of the service valve. See additional responsibilities as outlined in Section 4.14 of these Regulations.

The customer must ensure that no landscaping, encroachments or any other form of property improvement shall be so placed as to cause a hindrance to the access between the road or street and the meter service box. Hindrance of District access to the meter may cause water service to be cut off. The customer's plumbing shall be connected to the meter box in a manner that will not hinder the maintenance or reading of the meter.

4.06.07 Frequency of Meter Readings

In general, meters shall be read on a bimonthly basis. As it is not always practical to read meters at equal intervals, the period between reading dates may vary and still be considered two months for billing purposes.

Special readings will be made on commencement and termination of service and as required by special circumstances.

rev. 04/25/06, 09/12/07

4.06.08 Non-registering and Unreadable Meters

If a meter fails to register or cannot be read due to circumstances beyond District's control, such as snow cover, consumption shall be estimated based on prior usage or in the event there is not sufficient prior history, from any water usage information available.

Where a meter cannot be read without undue difficulty because of an obstruction, the customer will be notified and requested to correct the condition. If the condition is not corrected by a given date, the District will remove the obstruction at the customer's expense.

4.06.09 Testing Meters

The District will test the accuracy of any of its meters upon the request of a customer, who will deposit the cost of such test as shown in Schedule 4-B.

The customer may, if he desires, witness the test. If a meter is found to be working improperly, it will be repaired or replaced by the District. If it is determined that the meter is registering more than five percent over the actual quantities passing through it, District will return the deposit for the test and adjust the billing. The period covered by the billing adjustment shall not exceed the preceding six months. If the meter registers within the limit of error specified above, the test deposit will be retained by the District.

4.07 CHANGE OF EXISTING SERVICE

4.07.01 Upsizing

When a customer requests an existing metered service to be upsized and no modification work will be required outside of the meter box, the customer cost for said service shall be the difference between the smaller and larger meter installation and capacity charges, as shown in Schedule 4-A, plus an additional charge to cover labor costs as shown in Schedule 4-B.

When work outside the meter box is required, such as a new service line or tap, the customer cost will be the full amount of the larger size meter installation charge and the difference between the meter size's capacity charges, as shown in Schedule 4-A.

eff. 6/11/03

4.07.02 Downsizing

A charge, as shown in Schedule 4-B, will be made to cover labor cost. In these cases, no modifications would be made outside of the meter box. No refund of meter installation or capacity charges will be given.

4.07.03 Relocating

Any relocation of District meters and/or service laterals will require approval by the District. Customers requesting the relocation of an existing meter shall pay all costs associated with the relocation based on the District's estimated cost, except that the customer shall not be charged less than the stated fee for the following standard relocations:

(a) Customer requested relocation of a meter assembly involving a meter size of 3/4-inch or less, a relocation distance of no more than 15 feet horizontally and/or 2 feet vertically, and not requiring a new tap to the water main nor other extra ordinary effort will be accomplished for the fee as shown in Schedule 4B (Relocating).

(b) Customer requested relocation of a meter assembly involving a meter size of 3/4-inch or less, requiring a new tap on the water main, the installation of no more than 15 feet of new

service lateral between the water main and the new location of the meter, and not requiring any other extra ordinary effort will be accomplished for the fee as indicated on Schedule 4A for installation charges, which pertains to the size of each meter involved in the relocation.

eff. 12/12/90; rev. 6/11/03; rev. 1/26/05

4.08 WATER RATES

All water rates are determined on a cost of service basis and are normally adjusted once a year. Water Rate Schedules 4-E through 4-L have been developed based on such factors as use of water, type of customer, treatment level and location of user.

eff. 7/11/90; rev. 3/26/04

4.09 OFF RATE

All customers who have their services shut off are subject to the off-rate charges shown in Schedule 4-I.

eff. 7/11/90; rev. 1/26/05

4.10 ADJUSTMENT FOR LOST WATER

An adjustment for treated water loss may be granted by the District per parcel, per owner, if the usage during the period is at least 2.5 times the usage for a comparable period of normal use. Not more than one adjustment, based on this section, shall be allowed to the same owner within a ten-year period. Request for adjustment must be made in writing by the property owner. Form 4-E is used to calculate the adjustment.

rev. 05/13/15; eff. 10/10/84

4.11 WATER AVAILABILITY LETTERS

4.11.01 General

Upon receiving a written request, the District will issue a letter giving the current status of water availability to a project or parcel of land. This letter will state, in general terms and without making a commitment to serve the project, whether the project is within the District's boundaries, or within the various treated water system plan boundaries, and if capacity is currently available and under what conditions. The District will attempt to identify any potential problems that may be associated with making water available to the project (i.e. such as possible high or low pressure).

eff. 6/11/03

4.11.02 Administrative Processing Fee

An administrative processing fee of \$50.00 shall be charged for water availability letters that require review by staff. This fee shall not apply for letters prepared for parcels with existing water or standby accounts. This fee may be waived if it is determined to be in the best interest of the District that the letter be issued.

eff. 12/12/90

4.12 WILL SERVE LETTERS

4.12.01 General

A written request for a commitment of specific capacity to a project or parcel of land may be made to the District. A Will Serve Letter, however, will not be issued to any project requiring a county or city use permit, general plan or zoning change, or tentative map until the appropriate agency has conditionally approved the project. If issued, these letters may have specific time limits and will identify any conditions relating to providing water service as well as those items covered in a water availability letter as discussed in Section 4.11.

4.12.02 Extension Not Required

The owner of property not requiring an extension of the treated water system and otherwise qualifying for service by paying a standby charge may receive a Will Serve Letter covering a minimum size water service. No time limit will be stated in the letter unless a larger than minimum size service is requested. A commitment for an upsized service or additional services may be made by the District for a period of six months from the letter issuance date. This commitment terminates at the end of this period if the water service application process is not completed and all applicable fees and charges paid.

4.12.03 Extension Required

The owner of property requiring an extension of the treated water system and qualifying for water service pursuant to these Regulations, may receive a Will Serve Letter form the District. In order to maintain the capacity commitment, preliminary improvement plans meeting the requirements of the District and payment of the plan check and inspection fee deposit must be received by the District within six months of the date of issuance of the letter. Within one year of letter issuance, a conveyance agreement must be entered into.

4.13 OUTSIDE DISTRICT TREATED WATER SERVICE

The District shall provide treated water to existing outside District customers on a surplus basis only. This service will be for a maximum of three (3) years, at which time a renewal of the water application will be required. District will not accept new treated water service connections if the lands to be served lie outside the District Boundaries.

The District will not allow an off-rate charge as discussed in Section 4.09 of these Regulations. If service is requested to be turned off, the meter will be removed and the right for service terminated until such time as the lands are annexed into the District and the then current connection fees or other changes are paid.

eff. 7/9/86

4.14

PRIVATE PIPELINES

4.14.01 General

In earlier years, prior to adoption of these Regulations, the District allowed treated water service through a private pipeline that served two or more customers. Meter assemblies were subsequently installed by the District on these private pipelines to provide accountability of water use to each individual customer. In these instances, the property owners receiving water service off the private pipeline are responsible for the acquisition and maintenance of any required easements or permits, as well as the maintenance and operation of the pipeline and appurtenances thereof. The meter assembly, as discussed in Section 4.06.01 of these Regulations, will remain the property of the District.

In certain instances, the District may participate in the replacement of private pipelines with District-owned water mains. See Section 10.09 of these Regulations.

4.14.02 Leakage

If the District determines that a private pipeline has leakage, the property owners receiving water via the private facility will be notified that repairs must be made within a time period, as determined by the District, or water service will be discontinued. In addition to the above, District reserves the right to prorate and bill for the estimated leakage to each of the property owners served off the private pipeline. The District may also, at its option, install a master meter at the head of a private pipeline that serves two (2) or more properties and prorate the cost of the unaccounted lost water to each property owner.

SECTION 5

RAW WATER SERVICE

5.01 SUPPLEMENTAL DEFINITIONS

5.01.01 Raw Water

Untreated water to be utilized for purposes other than human consumption.

5.01.02 Seasonal Irrigation Service

Water delivered from approximately April 15 and ending approximately October 14, unless otherwise determined by the Board. Dates may vary to meet individual crop needs or maintenance of District facilities.

eff. 6/11/03

5.01.03 Winter Water Service

Water delivered approximately October 15 and ending approximately April 14, unless otherwise determined by the Board.

eff. 9/25/91

5.01.04 Annual Raw Water Service

Deliveries made year round at rates of flow that may differ between the irrigation and the winter seasons. No new accounts are accepted for this category of service.

eff. 5/24/89

5.01.05 Intermittent Flow Service

Water delivered which cannot be supplemented by an auxiliary supply from the District, and in District's opinion cannot be considered a firm supply.

5.01.06 Fall/Stock Water

A service available during the period from October 15 to December 1, both dates inclusive. This service will only be provided when and where District has available water and is secondary to seasonal or demand water.

eff. 12/12/90

5.01.07 Demand Water Service

Water requested for a predetermined period. This service will only be provided when and where District has available water in excess of requirements for seasonal water.

5.01.08 Tank or Temporary Construction Water

Water utilized from a non-permanent service point for temporary purposes such as for construction activities. This class of water is not to be used for domestic purposes.

eff. 8/12/87

5.01.09 Miner's Inch (M.I.)

Term used in water measurement. By California statute, one miner's inch equals 1.5 cubic feet per minute, or 11.22 gallons per minute.

5.01.10 Rotation

A method of delivering water where two or more customers of close proximity receive water on a predetermined schedule. The amount of the delivery must balance to the constant flow of the purchase.

5.01.11 Surplus Water

Water which is surplus to the needs of lands within the District boundaries.

5.01.12 Closed Raw Water Integrated Conduit System

Any District or privately owned closed conduit facility, i.e., pipeline, which is utilized to convey raw water and has more than one service connection being used for annual deliveries.

5.01.13 Service Outlet

A service connection intended to divert, deliver and measure water to a customer.

5.01.14 Mutual Water Company, Special District, or Entity

Any entity legally organized for the purposes of distribution and purchase of water to specifically identified parcels of land.

eff. 6/11/03

5.01.15 Primary Account

Account in authority for a service outlet, designated by the parcel owner that paid for the initial installation of the service outlet.

5.01.16 Private Conduit Account

Accounts that are served through a primary account service outlet when excess capacity is available and permission has been granted by the Primary Account Holder.

5.01.17 Primary Account Holder

The person that paid for the initial installation of the service outlet. The Primary Account is subject to transfer in accordance with Section 5.06.01

eff. 01/22/14

5.02

WATER SERVICE REQUEST

5.02.01 Route Slip

As a first step in receiving a new water service, an applicant must fill out Form 5-A, Raw Water Service, Information Route Sheet. Applicants for an intermittent flow service do not need to fill out this form.

5.02.02 Application

If a water service is available to the parcel, as determined by the District, the applicant will be required to sign a formal application as discussed hereafter and pay the appropriate installation charges, plus any other fees and/or deposits that are payable under these regulations.

- (a) Seasonal Irrigation Service. New Owner must sign Form 5-B and have it on file at the District's office on or before April 1 in order to ensure a supply of water for the current irrigation season. Applications for service are effective until there is a change in ownership.

eff. 03/11/98

- (b) Winter Water Service. Applicant must sign Form 5-B.

(c) Annual Raw Water Service. Transfer applications for existing annual raw water service will be made on Form 5-C. No new applications will be accepted. Annual accounts turned off at the customer's request, or for non-payment, will be transferred to a seasonal account.

eff. 5/24/89

(d) Intermittent Flow Service. Applicant must sign Form 5-D. Water sales will be established in acre-feet by District through pump ratings, sprinkler flow, actual diversions, acreage irrigated or any combination of these methods as may be deemed appropriate to determine the amount of water to be used.

(e) Fall Water Service. Application shall be made on Form 5-B, available at District office.

eff. 12/12/90

(f) Demand Water Service. Application for service shall be made on Form 5-B and should be made at least five days before service is required.

(g) Tank or Temporary Construction Water. Application shall be made on Form 4-D.

(h) Surplus Water. Application for use of water outside the District boundaries shall be by agreement on Form 5-E and must be on file at the District's office on or before April 1 of each year in order to be considered for a supply of water for the current irrigation season. All applications for surplus water are subject to Board approval.

(i) Rotation. Applications must be received by April 1, in order that schedules for rotation delivery can be developed prior to commencement of irrigation season. If an equitable rotation schedule cannot be reasonably developed due to changes in water purchases, or property owners not returning applications on a timely basis as indicated above, District, at its discretion, may order that the water be delivered on a continuous flow basis. Applications for rotation delivery received after April 1 will be delivered water on a continuous basis for the season.

5.02.03 Cancellation

Upon request of the customer, cancellation of the current seasonal irrigation service may be made during any time of the season, either in whole or in part. The quantity of such seasonal

irrigation water delivered shall be charged on a pro-rated basis up to the date of cancellation and a service call fee, as shown on Schedule 7-A, shall be charged.

eff. 7/12/89; rev. 6/11/03

5.02.04 Early Application Discount

Applications for seasonal irrigation service received on or before April 1, together with full payment, shall have a 5% discount on their charges. This discount shall not apply to those types of entities referred to in Section 5.08.

eff. 3/10/93

5.02.05 Change in Seasonal Irrigation Service

During the irrigation season, charges for requested increases or decreases may be prorated with the addition of a service call charge as shown on Schedule 7-A.

eff. 12/11/94

5.03 WATER USE EXCLUSIONS

5.03.01 Integrated Raw Water Conduit

Applications for water service will not be accepted from a closed raw water integrated conduit system where said service is proposed to be used for annual deliveries.

5.03.02 Fish Cultivation

The District will not sell water to cultivate and/or sustain fish life.

5.03.03 Water Use for Residential Purposes

The Federal Safe Drinking Water Act definition of a Public Water System (PWS) includes the District's raw water delivery system. Guidelines implementing the definition of a PWS prohibit the District from providing raw water for human consumption. Therefore, use of raw water for

drinking and cooking is excluded for all customers, unless processed by an approved home treatment facility as provided in this section.

(a) Applications For New Water Service

The District will not accept new applications for raw water service where the proposed water use is for residential purposes, regardless of the applicant's intent to use bottled water, hauled treated water, or provide a home treatment facility. No applications will be accepted for annual raw water service.

(b) Water For Drinking or Cooking

Existing District raw water customers not using a well or spring for all drinking and cooking needs must be connected to a Public Water System, use bottled water or hauled treated water, or use water processed by an approved home treatment facility.

(1) Bottled or Hauled Treated Water

Bottled or hauled treated water used for drinking or cooking must be delivered to the parcel(s) by a commercial distributor who has agreed, in writing, to District conditions.

(2) Home Treatment Facility

A home treatment facility used to produce water for drinking or cooking must be approved by the Department of Health Services. The facility must be operated, maintained, and monitored by the District or its agent, under contract with the owner.

(c) Cost and Expense

All costs for providing water for drinking and cooking, including District costs, will be at the owner's expense.

eff. 03/22/00

5.04

SERVICE OUTLETS

5.04.01 General

The District owns and maintains the water service outlet assembly up to and including the service valve located on the discharge side of the service outlet. All facilities beyond this point are the responsibility of the customer. All service outlets will contain a means of measuring the amount and/or flow rate of water delivered to a customer(s). The means of measuring flow and amount of water, and the units of measurement for billing purposes, shall be subject to change by the Board of Directors based on the customs and practices of the industry.

Each service outlet will be assigned to a single Primary Account and to a parcel designated by the account holder that paid for the initial installation (the "Primary Account Holder"). Service outlets will not be assigned to more than one Primary Account, but may be used for a shared service to a Private Conduit in accordance with Section 5.06.05. In cases where the Primary Account Holder owns multiple parcels or subdivides a parcel, he/she must notify the District in writing as to which parcel the service outlet should be assigned.

In the event that the ownership and/or designated parcel of a Primary Account is not evident based on historical records of the District, the District will assign the Primary Account based on the natural progression of ownership and/or the seniority of the account. A service outlet's Primary Account may be transferred upon the written request of the Primary Account Holder. The Primary Account Holder requesting transfer shall notify, in writing, the District and all Private Conduit Accounts served by the service outlet of the proposed transfer. Both the existing and the proposed Primary Account Holders shall sign a notarized transfer agreement to document said transfer.

rev. 01/22/14

5.04.02 Location

The District shall have the sole discretion and authority on the final selection of the location for raw water service outlets. This site selection prerogative shall pertain to services from raw water pipelines, open canal facilities and, where applicable, certain natural randoms or streams. The outlet location shall be determined prior to District accepting an application and collecting the installation fee. The following shall be used in location of service outlets:

(a) The District shall endeavor to accommodate the customer in selecting the location. However, the District must give consideration in the selection of the point of service to the integrity of the hydraulics in the conveyance system. Any location which will create undue expense for operation and maintenance of the system or will create unacceptable distortion to the hydraulics of the facility or stream will not be permitted by the District.

(b) Any service outlet location for a raw water service which will require additional appurtenances such as a special measuring structure, check structure or screening device in order to ensure water delivery for the service point, shall be constructed by the District at the sole cost of the applicant, in accordance with District standards.

(c) Where approved, the amount of the purchase from natural randoms or streams, supplied by the District, shall be sales of no less than one (1) miner's inch of water. The District, through pump ratings, sprinkler flows, actual diversions, or any combination of the above methods, will determine the amount of purchase.

Changes in purchase amount of irrigation water will be allowed only after field review by the District Staff, and a determination made that a change is in order. Inspections of the services from natural randoms or streams will be made by the District to insure that the amount of water purchased is in compliance with the seasonal application.

eff. 7/9/86

(d) There shall be no new services located on the following types of facilities since they shall be utilized for storage and transmission purposes only: inverted or standard siphons, except where approved centralized service manifolds have been established, drop pipes or chute flumes, elevated flumes or pipes, penstocks, or reservoirs.

eff. 6/22/88

(e) In some instances, due to the canal size and the irrigation water demands, the service box outlet will only be installed during the non-irrigation season.

5.04.03 Installation Charges

These charges for a standard installation are shown in Schedule 5-B and are due at the time formal application is made. The cost of additional appurtenances, if required, will be added to the standard installation charges.

5.04.04 Multiple Service Outlets

More than one point of service may be permitted by the District for delivery of the customer's entitled water, provided the customer will take the water in a manner acceptable to the District. An additional outlet, or outlets, will be installed by the District at customer's expense, including installation as shown in Schedule 5-B and annual charges as shown in Schedule 5-C. If the customer fails to comply with conditions prescribed by the District, the use of an additional box, or boxes and/or water service may be discontinued.

5.04.05 Removal

A service outlet will be removed at the expense of the District after notification by the property owner on Form 5-F, provided by the District. Once an outlet(s) has been removed, re-establishing water service shall be in accordance with these Regulations, including the appropriate installation charges.

On outside District accounts, the service outlet will be removed if water is not purchased every other year. If an application for service is not received by April 1 of the second year, the property owner shall be notified in writing that, if water is not purchased within 30 days of the date of notification, the outlet shall be removed and the account deleted.

eff. 1/1/89

5.04.06 Account Charges

Until such time as an outlet is removed, an annual charge as shown in Schedule 5-C will be collected with or without the purchase of water. This charge does not guarantee or imply that raw water will be available at a future date for an inactive account.

eff. 1/1/89

5.04.07 Relocation

Relocation of an existing raw water service outlet will be accomplished as outlined under Sections 5.04.01 and 5.04.02 and will be done for the new service outlet installation charge as shown in Schedule 5-B.

eff. 5/27/87

5.05 WATER RATES

All water rates are determined on a cost of service basis and are normally adjusted once a year. Water Rate Schedules 5-C through 5-R have been developed based on such factors as location, billing period and reliability of water flow.

eff. 6/11/03

5.06

PRIVATE FACILITIES

5.06.01 Use Of

Upon approval of the District, private facilities may be used to transport and distribute raw water provided that the facilities are in good repair, will not cause excessive water losses, and are adequate in capacity to serve additional water. The District will construct and maintain, at the head of private facilities, such controls as diversion structures, gates and/or measuring devices as necessary to control water flow, purchased by owners of the private facilities. The District will not provide service through a private facility without first receiving approval from the owners of the private facility on Form 5-G provided by the District.

See Section 2 of these Regulations for further clarification on the use of private facilities.

eff. 6/11/03

5.06.02 Operation and Maintenance

District responsibilities for operation and maintenance ends at the beginning of the private facilities.

5.06.03 Excessive Leakage

If the District determines that a private facility has excessive leakage, the facility owner(s) will be notified that repairs must be made within a time period, as determined by District, or water service will be discontinued.

5.06.04 Non-payment of Accounts

Customers receiving raw water from a private facility serving two or more customers, shall have the amount of water reduced at the head of the private facility for non-payment of their accounts.

The District will not in any way be responsible for insuring that water is received by the paying customers on the private facility.

eff. 10/11/89; rev. 6/11/03

5.06.05 Private Conduits

Shared service to a private conduit through a Primary Account service outlet is available with the approval of the Primary Account Holder and provided excess capacity is available at the service outlet. The Primary Account holder must provide written permission through the use of form 5-G. Utilization of the service outlet to serve a private conduit account is subject to discontinuance at any time by direction of the Primary Account Holder, provided a minimum of 30 days notification prior to the start of irrigation season. Private Conduits Accounts may not be discontinued during the irrigation season.

eff. 01/22/14

5.07 HYDROELECTRIC DEVELOPMENT

5.07.01 Natural Streams

Pursuant to Water Code Section 22280, the District will collect from a hydroelectric power producer with a rated plant capacity of 100 kilowatts or more, desiring to utilize District water flowing in a natural stream or waterway, a charge for the use of said water. The charge will be determined by multiplying ten percent of the standard weighted average price, as published by Pacific Gas and Electric Company pursuant to California Public Utilities Commission Decision Number 91109, by the energy produced by District water. If the charge, as determined above on an annual basis, is less than the standard weighted average price multiplied by 5,000 kwhs, the latter will be collected as a minimum charge for that particular twelve-month period.

Each water sale for power generation purposes will be covered by an agreement, signed by the power producer and approved by the Board. Articles of the agreement will cover insurance requirements, method of measuring District water and power produced, payments to District, hold harmless considerations, agreement termination, protection of District water, continued water use qualifications and other items deemed necessary by the District.

eff. 6/11/03

5.08

MUTUAL WATER COMPANIES AND SPECIAL DISTRICTS

The District will sell agricultural water to mutual water companies, special districts, or other entities at its service point in accordance with these Regulations and providing the following conditions are met:

(a) Prior to approval by the Board, the developer must first meet the requirement of Section 11.01.03 of these regulations which provide for the orderly development and extension of the District's raw water system.

(b) The following documents have been filed with the District: The Articles of Incorporation for a mutual water company, or rules and regulations, or bylaws of the mutual water company, special district, or other entity. The current list of property owners with map showing boundaries and water system and the name and telephone number of a contact person who is to be responsible for the distribution of water within these boundaries.

(c) Board approval of the entity, mutual water company or special district prior to the sale of water.

(d) Prior to March 15 of each year, submission of a written request for water containing the following information: Amount of water desired, county parcel numbers of the land on which crops are to be raised, type of crop, and acres irrigated.

Water sold under this policy is to be used only for agricultural use. It shall be the responsibility of the mutual water company, special district, or other entity to obtain any necessary licenses or permits from the County, State, or other such agencies as may be required to place the water to any other use.

If the primary use of district water sold under this policy is for any purpose other than the irrigation of crops, this policy will not prevail.

(e) A 15% administrative fee will be charged to mutual water companies, special districts, or other entities.

This fee will cover the cost of special handling of these accounts by the District to ensure that the mutual water company, special district, or other entity is in compliance with these Regulations. If a mutual water company, special district, or other entity elects to continue its registration with the State of California, then this administrative fee will not apply.

(f) All mutual water companies, special districts, or other entities who purchase water from the District for agricultural purposes only will be required to pay for their water in full prior to April 1 each year.

eff. 12/12/90

5.09 PRORATION OF CAPACITY

When deemed necessary, due to lack of available capacity in District facilities, the Board may order that the available capacity be prorated. Proration shall be on an acreage basis, with the water sale rounded to the closest sale increment as shown in Schedule 5-G.

Due to the lead time required to prepare the tabulation for proration, and unless otherwise provided, a minimum of 90 days lead time shall be allowed prior to instigating a proration schedule. Any proration schedule that is adopted shall remain in effect for a minimum of 180 days, unless ordered otherwise by the Board. Any property owners choosing not to purchase and use any or all of their prorated share shall advise District. The unused shares shall be prorated and distributed among those property owners requesting additional water.

When ordering proration, the Board may take into consideration water usage based on the following priorities: (1) Residential and stock water, (2) Orchards and perennial crops, (3) Pasture and annual crops, (4) Garden and row crops, and (5) other.

5.10 WATER AVAILABILITY LETTERS

5.10.01 General

Upon receiving a written request, the District will issue a letter giving the current status of water availability to a project or parcel of land. This letter will state whether the project is within the District's boundaries, the project's entitlement to a prorated share of water, nearest raw water conduit, and will attempt to identify any potential problems that may be associated with making water available to the project. These letters will generally be effective for a one-year period from the date of issuance.

5.10.02 Administrative Processing Fee

An administrative processing fee of \$50.00 shall be charged for water availability letters that require review by staff. This fee shall not apply for letters prepared for parcels with existing water or standby accounts. This fee may be waived if it is determined to be in the best interest of the District that the letter be issued.

eff. 12/12/90

5.11 RAW WATER OUTAGE ADJUSTMENT

When major rehabilitation or emergency work is required on a District raw water facility and a customer is affected by a continuous water outage for more than two (2) consecutive weeks, excluding weekends, that customer may request and receive an account adjustment.

The adjustment will be calculated by multiplying the number of outage days beyond the initial two (2) week period by the average daily water charge for the customer's size of service.

eff. 3/26/86

5.12

DROUGHT CONTINGENCY PLAN

Under drought conditions, the District adopted a Drought Contingency Plan on December 9, 1992. In order to provide for demand reduction goals for water supplies, deliveries will be based upon a schedule from April 1st Forecast in acre feet.

The Drought Contingency Plan will be followed according to its plan for maintaining a goal of 70,000 acre feet of water from water season to water season for carry over storage and for the health and safety of the District's domestic and agricultural water users.

The plan is described in the District Board and Management Policy Manual.

eff. 6/11/03

SECTION 6

RENDERING AND PAYMENT OF BILLS

6.01 TERMS OF PAYMENT

6.01.01 Treated Water and Annual Raw Water

All water charges are due and payable on issuance of the statement.

If not paid:

4 weeks from issuance – a notice of termination of service will be included with the bimonthly billing.

6 weeks from issuance – a turn-off notice shall be issued and a charge as shown in Schedule 6-A, shall be made for serving such order.

7 weeks from issuance – service may be turned off.

A charge, as shown in Schedule 7-A, shall be made for turn on.

8 weeks from issuance – a late payment penalty at the rate of 1 ½% per month, shall be added hereto.

eff. 6/93; rev. 6/11/03, rev. 8/10/05, rev. 09/12/07

6.01.02 Seasonal Irrigation Service

(a) Inside District Applicants. One-third of the total charges are due by April 1 or prior to receiving water. If there is a new owner, payment is due with the application.

eff. 03/11/98

One-third of the total charges due June 15, and if not paid by July 15, a notice of termination of service shall be mailed and a ten percent late payment penalty shall be added. If payment is not received by July 22, service may be turned off.

One-third of the total charges due August 15, and if not paid by September 15, a notice of termination of service shall be mailed and a ten percent late payment penalty shall be added. If payment is not received by September 22, service may be turned off.

A charge, as shown on Schedule 7-A, shall be made for turn-on.

(b) Outside District Applicants. One-third of the total charges to be paid with application.

One-third of the total charges due June 15, and if not paid by July 15, a notice of termination of service shall be mailed and a ten percent late payment penalty shall be added. If payment is not received by July 22, service may be turned off.

One-third of the total charges due August 15, and if not paid by September 15, a notice of termination of service shall be mailed and a ten percent late payment penalty shall be added. If payment is not received by September 22, service may be turned off.

A charge, as shown on Schedule 7-A, shall be made for turn-on

(c) Delinquencies. Applicants who are delinquent in the payment of water charges shall pay charges prior to District's acceptance of application for subsequent seasonal irrigation service or make satisfactory agreement with District for payment of same. An additional ten percent late payment penalty shall be added to all seasonal irrigation water accounts remaining unpaid on February 15.

eff. 6/11/03

6.01.03 STANDBY

All standby charges are due and payable on issuance of the statement. Standby charges are delinquent four months after issuance and may be transferred to the County Tax Rolls for collection.

eff. 6/11/03

6.02 MULTIPLE ACCOUNTS

Combining of two or more seasonal irrigation services for reduced rate purposes will be permitted when any of the following conditions are met:

(a) Applicant owns a single parcel of property and requires more than one seasonal irrigation service from different District facilities in order to serve this one parcel.

(b) Applicant owns more than one parcel or property which is served from the same canal system and operated as a single farming unit; and seasonal irrigation service is purchased for each parcel under separate applications. Property must be owned and listed on the county assessor's roll under the applicant's name.

eff. 5/27/87

6.03 BILLING TO THE AGENT/RENTER

Direct billing to the agent/renter can be made upon receipt of a written authorization from the property owner that the agent/renter has been designated as the agent of the property owner. If the owner desires a duplicate of the water statement which is sent to the agent/renter, a handling charge as shown in Schedule 6-A, will be applied.

6.04**NON-PAYMENT OF ACCOUNTS**

Charges for water and other services, including penalties and supplemental charges, which are delinquent at the time specified for the delivery of outstanding charges to the county tax collector, may be added to and become a part of the annual assessment levied to the land upon which the service was rendered.

The District may refuse service to any land if outstanding charges for services already rendered such land are delinquent. (Section 22282.1 of the California Water Code)

The District may, under the provisions of Section 25806 of the California Water Code, record a lien on any or all lands owned or subsequently acquired by the person liable for such charges.

6.05**SECURITY DEPOSITS**

The District may charge a security deposit, as shown in Schedule 6-A, for all outside District customers and for all inside District commercial accounts.

A simple interest of 5 ½% per annum shall be accrued on all security deposits effective January 1, 1981.

Deposits from commercial accounts shall be held for a period of one year. At the end of that period, the deposit plus interest may be applied to the account or refunded provided the account has been paid on a timely basis. Should a turn-off order be issued due to non-payment, a deposit equal to twice the highest bimonthly bill shall be required before the service can be turned on.

Deposits from outside District customers, providing the account has been paid on a timely basis, are held for a period of one year. At the end of that period, the deposit plus interest may be applied to the water account and the balance, if any, shall be refunded.

eff. 8/12/87; rev. 6/11/03, rev. 09/12/07

6.06 RETURNED CHECKS

Checks returned by the bank unpaid shall be returned to the account. A return check fee, as shown in Schedule 6-A, shall be added to the water account and any other bank charges that may be assessed due to the returned item.

eff. 2/13/85

6.07 DISCONTINUANCE OF SERVICE

6.07.01 Non-payment of Bills

Water service may be discontinued if a bill for services rendered has not been paid within the time prescribed by the District.

6.07.02 Noncompliance with the District's Regulations

If a customer fails to comply with any of these Regulations, the District will notify the customer of such failure. If the customer fails to comply within a reasonable time, the District may discontinue service.

6.07.03 Customer Service Discontinuance Request

If the customer gives the District a written request to disconnect the service, the District will notify the customer of the legal and financial impact of such request.

6.12

TERM PAYMENTS

The General Manager and the Finance Manager, together, are authorized to sign term payment agreements with individual property owners under the following guidelines:

(a) Up to a 60-month period and a maximum amount of \$7,000.00 can be authorized for District fees and charges related to a new treated water service including but not limited to, capacity charges, meter and backflow prevention device installation charges, culvert replacements and buy-in fees to improvement districts. The interest rate to be charged on all term payment agreements will be four (4) percent and such rate may be changed from time to time by the Board of Directors as economic conditions warrant. Late term payments will pay charges equal to the rate shown for the late payment penalty in Section 6.01.01 of these Regulations.

(b) Up to a 12-month repayment period can be authorized for customers to pay delinquent water account charges. A late payment penalty shall be charged at the rate shown in Section 6.01.01.

(c) The Treasurer, or the Deputy Treasurer, shall conduct a credit check on applicants.

(d) The District has the right to remove the water meter upon failure to pay.

eff. 7/13/94; rev. 6/11/03; rev. 4/14/04; 3/25/2009

SECTION 7

CUSTOMER SERVICES

7.01 ROUTINE TURN ON AND TURN OFF

All customer requests for turn on and turn off shall be made in writing, or on Form 7-A available at the District office, signed by the property owner. Prior notice of 72 hours may be required in making routine turn on and turn off. A special service call fee, as shown in Schedule 7-A, is charged for making the turn on.

eff. 6/11/03

7.02 TURN ON FOR NONPAYMENT

Turn on of water service after being shut off for nonpayment may be made provided the account is paid in full, or if a satisfactory arrangement has been made prior to the turn on. The service may be turned on the same day if it can be done during District's normal operating hours; otherwise, the service will be turned on the following business day. A special service call fee, as shown in Schedule 7-A, shall be charged to the customer.

eff. 6/11/03

7.03 EMERGENCY TURN ON

If water service is required in advance of the timing outlined for routine or nonpayment turn ons, a turn on may be arranged if the customer pays a special service call fee in advance. This fee shall be charged to the customer, as shown in Schedule 7-A.

eff. 6/11/03

7.04**SPECIAL METER READINGS**

A customer requesting a special meter reading shall be charged the fee shown in Schedule 7-A.

7.05**SERVICE CALL**

During normal operating hours, a customer requesting a service call concerning the pressure or quantity of water being received may be charged the fee shown in Schedule 7-A, if it is determined that District facilities are operating satisfactorily and the problem lies within the customer's facilities.

After normal operating hours, the fee, as shown in Schedule 7-A, shall be charged to the customer.

eff. 03/11/98

SECTION 8

FIRE SERVICES

8.01 GENERAL

Three types of fire services are available; public fire hydrants and private fire services served by treated water systems and public fire services served by raw water systems. These fire services shall be used only for the purpose of extinguishing fires and for testing fire suppression systems.

8.02 DISTRICT LIABILITY

The District does not guarantee or represent that a specific or certain minimum water pressure or volume of water will be available through a fire service. Fire services will be subject to the variations of water pressure and flow and to the temporary shutdowns required in the operation and maintenance of the system or any interruptions of operations in the system. The District shall be held in no way responsible for and the applicant and/or local fire fighting entity must agree to hold the District free and harmless from injury or damage caused by the lack of water or pressure available to a fire service.

8.03 LOCATION

8.03.01 General

All fire services will be located at a site meeting the approval of the District. In determining if a location is suitable for the installation of a fire service, the District will take into consideration operation and maintenance requirements and other factors deemed important, at any proposed site.

eff. 6/11/03

8.03.02 Treated Water System

(a) New Service. Faulty equipment or procedures which may be utilized by entities operating fire services on high pressure water mains can lead to physical injury of personnel, property damage, and can cause water main failures.

No new public fire hydrants will be allowed on District water mains where static pressures are 150 psi or greater. Prior to allowing public fire hydrants on water mains where static pressures are between 100 and 149 psi, the District will review each request on an individual basis. Approval or disapproval of each request, which will be made at the sole discretion of the District, will be based on consideration of such factors as size, type, and condition of water main, actual pressure, location of pressure-reducing stations, lower pressure water mains and other hydrants.

New private fire services, located on water mains where static pressures are 100 psi or greater, will not be allowed unless the applicant signs an agreement acknowledging the risks involved in a high pressure service, and holding the District free and harmless from liability and damages relating to the service. In addition, if the pressure is 150 psi or greater, the applicant will not be allowed to install any private hydrants or hose outlet stations on the fire service.

Fire pumper connections installed with proper check valves will be allowed.

eff. 10/24/90

(b) Existing Services. Existing public fire hydrants located on water mains where static pressures are 100 psi or greater may be eliminated when in the sole judgment of the District an adequate substitute water source, normally a lower pressure water main is available. The local fire fighting entity, in which jurisdiction of any public fire hydrant being considered for elimination is located, will be consulted prior to final determination; and a written 30-day notice will be provided prior to the actual removal or relocation of the fire service. All removal and re-

plumbing costs will be absorbed by the District when such removal is the sole decision of the District.

eff. 5/23/90; rev. 6/11/03

8.03.03 Raw Water System

Due to potential of water loss and operation problems encountered with fire services off of the raw water system, the District will only allow such services under limited situations. If other alternatives, as determined by the District, are available to the fire fighting entity, no such service will be allowed.

No fire services will be allowed off of siphons or pipelines classified as transmission, as opposed to distribution lines. Locations subject to hydraulic conditions that restrict water flow will not be available for installation of a fire service.

eff. 3/13/85

8.04 PUBLIC FIRE HYDRANTS ON TREATED WATER SYSTEMS

8.04.01 General

An application, Form 8-A, must be signed by applicant and the local fire fighting entity in which jurisdiction the hydrant is located and approved by District prior to the installation, relocation or removal of a hydrant on a District water main.

The charge for the hydrant installation, relocation or removal, as set forth in these Regulations, shall be paid by the applicant and/or local fire fighting entity at the time the application is submitted to the District.

Fire hydrants installed under these Regulations shall belong to the District. The District may bear the expense of performing hydrant maintenance resulting from normal wear and tear when

such conditions are reported to the District. The District may levy a charge for fire hydrant maintenance.

8.04.02 Installations

The charge shown in Schedule 8-A will be collected for all installations and provides for installation of a 2 ½" x 2 ½" x 4 ½" nozzle dry barrel hydrant conforming to AWWA Specification C502.

8.04.03 Hydrant Removal

The charge to remove a hydrant and discontinue the service will be as shown in Schedule 8-A.

There will be no charge to remove a hydrant or stand pipe classified as less than 5 ¼-inch barrel diameter when the removal is done in conjunction with the installation, at the same location, of a new hydrant.

eff. 6/11/03

8.04.04 Installation of a Hydrant Near Existing Hydrant

If a fire hydrant is to be installed at or near a location where there is existing hydrant coverage, as a requirement precedent to installing the new hydrant, the District reserves the right of discontinuing the existing hydrant and to levy the appropriate charge as shown in Schedule 8-A.

8.04.05 Relocation of Hydrant

The charge for the relocation of a hydrant will be the total of the charge for the hydrant elimination, Schedule 8-A, plus the charge for the installation of a new hydrant. No credit will be given for salvaged material unless the hydrant conforms to AWWA Specification C502 and can be reused, with only minor reconditioning, in which case a credit will be given as shown in Schedule 8-A.

Where the relocation or installation of a fire hydrant does not require a new connection to the main, the charge will be based on the District's actual cost.

8.05

PRIVATE FIRE SERVICE ON TREATED WATER SYSTEM

8.05.01 General

An Application, Form 8-B, must be signed by applicant and the local fire fighting entity in which jurisdiction the service is located, and approved the District prior to installation of the private fire service. The Applicant will make the basic determination as to the size of the service; however, the District reserves the right to limit the size of the service allowed. A fee to compensate the District for estimating the cost of the service will be collected at the time the application is submitted to the District. See Schedule 8-B.

After installation, the private fire service, up to and through to the outside edge of the vault, shall belong to the District.

eff. 1/1/94; rev. 12/08/04

8.05.02 Installation

Private fire services may be installed using three administrative processes, 1) District installed, or 2) Applicant installed using a Conveyance Agreement or 3) Applicant installed using an Applicant Constructed Private Fire Service Letter Agreement.

District installed private fire services shall be at the Applicant's cost as shown in Schedule 8-B.

Private fire services may be installed as a facility incidental to a water line extension being installed by a Developer under the provisions of a Section 10.03 Conveyance Agreement. The Applicant may also make arrangements to construct a private fire service to be connected to an existing water main by using the Section 10.03 Conveyance Agreement process in cases where the estimated installation costs exceed \$15,000.

Fire services that are not incidental to a proposed water line extension project may be installed by the Applicant using a private contractor under the provisions of an Applicant Constructed

Private Fire Service Letter Agreement, example of which is shown in Form 8-D. This method governs plans, specifications, construction, inspection, and other requirements for the Applicant and his contractor. These letter agreements and conveyance of the completed fire service are subject to approval by the General Manager.

eff. 12/12/90; rev. 12/08/04

8.05.03 Service to More Than One Parcel

As long as all the parcels involved are properly fronted by a water main, as required under Section 10.01.02 of these Regulations, and upon the written application of all landowners, up to four contiguous parcels may be served by one private fire service.

Property owner(s) of each parcel being served by a Private fire service must have a valid application on file with the District indicating their responsibility for paying all charges and penalties, along with their responsibility for maintaining the system beyond the private fire service.

In certain instances the District, at its sole discretion, may permit or require a single parcel to have more than one private fire service connection. Examples include a shopping center/business center with varied tenant water requirements or two commercial buildings located on one parcel.

rev. 12/08/04, rev. 03/10/10

8.05.04 Charges for Water Service

No charge will be made for water used for extinguishing fires, but any water lost through leakage or for testing purposes or used in violation of these Regulations shall be paid for by the applicant at double the normal water consumption charges. If unauthorized water use or leakage continues for more than two billing periods after notification of the water use, the service may be discontinued.

A periodic charge, as shown in Schedules 8-C and 8-D, will be made to compensate the District for maintenance and the eventual replacement of the private fire service.

Pursuant to Section 6.04 of these Regulations, delinquent charges may be placed as a lien against the parcel, or all parcels benefiting from the service in the case of service to more than one parcel. User(s) of the service understand that the fire service may be discontinued for nonpayment of charges and accept all risk of such discontinuance for nonpayment.

eff. 1/22/86

8.06 PUBLIC FIRE SERVICE ON RAW WATER SYSTEMS

8.06.01 General

An application, Form 8-C, must be signed by the local fire fighting entity in whose jurisdiction the fire service is located and approved by District prior to installation of the service.

These types of fire services are subject to extreme variations in flow. Temporary, seasonal and extended shutdown periods may be required in normal operation of the system. Water delivered to the service may contain debris which could affect the quantity of water available to the fire service because of plugging or clogging.

8.06.02 District Installation

The District will install the outlet and shutoff valve immediately adjacent to the District facility at the applicant's cost.

8.06.03 Applicant Installation

The applicant will be responsible for construction of all facilities downstream from the shutoff valve, including pipeline, storage sump and hydrant.

8.06.04 Maintenance Responsibilities

District may bear the expense of performing maintenance resulting from normal wear and tear on its facilities when such conditions are reported to the District. The District may levy a charge for maintenance. Facilities downstream from the shutoff valve will be the responsibility of the applicant to maintain.

8.06.05 Discontinuing Service

The service shall be used only for extinguishing fires and no connections of any kind whatsoever, other than to hydrants and hose reels, shall be made or permitted to be made to the pipe(s) supplied by said service.

Discovery of any unauthorized service or any water leakage from the applicant's facilities will result in discontinuation of said fire service until corrective action is taken.

8.06.06 Charges for Water Service

No charge will be made for water used for extinguishing fires or for periodic flushing of the service to remove accumulated debris.

SECTION 9

BACKFLOW PREVENTION

9.01 GENERAL

The purpose of these Regulations is to provide for the protection of the District's treated water system from actual, or potential contamination by isolating within the water user's premises any possible source of such contamination or pollution.

In accordance with the requirements of the California Administrative Code, Title 17, Chapter V, Sections 7583 to 7605 inclusive, the water supplier has the responsibility to prevent contamination of the public water system by backflow. No water service connection to any premises shall be installed or maintained by the District unless the public water supply is protected, as required by said State regulations and the requirements stated below.

These Regulations supplement and do not supersede local plumbing regulations, codes, ordinances, or other State Department of Health Services' regulations relating to water supply.

9.02 TYPES OF PROTECTION

In general, types of backflow prevention devices to be located at the point of service shall be as follows:

(a) Double Check Valve Assembly

This device is utilized where a lesser degree of protection against backflow is desired.

(b) Reduced Pressure Principle Device

9.04 WATER USER'S RESPONSIBILITY

All costs incurred by the District for installation of the backflow prevention devices, as well as maintaining, replacing and testing these devices will be reimbursed by the water user to the District. These costs are shown in Schedules 9-B, 9-C, and 9-D.

The water user may be required to fill out a questionnaire regarding the degree of risk of backflow at the time water service is first requested and at other times deemed necessary by the District.

It is the further responsibility of the water user to inform the District of any change on its premises that might increase the risk of backflow into the District's treated water system.

9.05 DISCONTINUANCE OF SERVICE

The District may discontinue service of water to any premises and may physically disconnect the customer's piping from the District's water system if a backflow prevention device required by these Regulations is not installed, or if it is found that a backflow prevention device has been removed or bypassed, or for any other violation of these Regulations.

9.06 RETROFIT PROGRAM

Existing water services will be reviewed and prioritized according to their potential health hazard. On a staged basis, starting with higher risk services, the proper backflow prevention devices will be installed on a schedule to be determined by the District.

9.07 REDUCTION IN DEGREE OF PROTECTION

Where a change in Schedule 9-A, or the degree of hazard allows a customer to downgrade from a reduced pressure principle device to a double check valve assembly, the District, upon

determining that the premises requires less protection, will reduce the bimonthly charge to that associated with the double check valve assembly. No refund or partial refund of original installation charges will be made. If at a later date a reduced pressure principle device must be reinstated, the customer will be charged retroactively the difference between the lower and higher monthly charges, as shown in Schedules 9-C and 9-D, plus an interest factor to be determined by the District.

Where a change in these Regulations or the degree of hazard allows a customer to eliminate the backflow prevention device, the District, upon determining that the premises no longer requires the device and with approval of the customer, will remove the device at District cost and stop charging the bimonthly charge. No original installation charge refund will be made. If future circumstances require the reinstallation of a device, the full installation cost, as shown in Schedule 9-B, will be collected from the customer.

eff. 6/11/03, rev. 04/25/06, rev. 09/12/07

9.08 INCREASE IN DEGREE OF PROTECTION

Where a change in Schedule 9-A or the degree of hazard requires upgrading from a double check valve assembly to a reduced pressure principle device, the customer will be charged the difference between the installation charges of the two devices, as shown in Schedule 9-B and will be subject to the higher bimonthly charges associated with the reduced pressure principle device.

eff. 6/11/03, rev. 04/25/06, rev. 09/12/07

9.09**PRIVATE BACKFLOW PREVENTION DEVICES**

At the sole discretion of the District, a privately owned backflow prevention device may be allowed when a reduced pressure principle device is required to protect the public water supply.

If approval from the District is received to install a privately owned device, the customer must sign an agreement which sets forth the terms and conditions deemed necessary by the District. The agreement will cover issues relating to the ownership, installation, operation, maintenance and testing of the device as well as District access.

eff. 7/13/98; rev. 6/11/03, 04/25/06

SECTION 10

TREATED WATER SYSTEM EXTENSIONS

10.01 GENERAL

The District's objective is to ensure that the water system will be able to provide adequate water service to all present and future customers in an orderly manner.

eff. 8/11/99

10.01.01 Supplemental Definitions

(a) Extension. Any water system improvements required by the District to serve present and future customers in an orderly manner.

These improvements may include, but are not limited to, treatment plant facilities, domestic water storage, distribution and transmission water mains, pump stations, pressure reducing stations, private fire services, and other necessary appurtenances. Extensions may also include related raw water facilities needed to transport water to the treated water system.

eff. 8/11/99

(b) Developer. Any person desiring water service from the District which water service requires a system extension. A developer is considered a person, group or entity that is improving a parcel of land. District sponsored water line projects are not considered developer projects.

eff. 8/11/99; rev. 11/14/07

(c) Principal Property Frontage. Parcel frontage or combination of frontages on an adequate water main that best promotes the orderly development of the water system. Frontage along a primary access road will be a consideration in determining principal property frontage. The narrow frontage of a flag pole lot will not qualify as principal property frontage when not consistent with the orderly development of the water system.

eff. 8/11/99

(d) Adequate Water Main. A District water main with adequate capacity and pressure, and which is connected to a system with adequate source capacity.

eff. 8/11/99

10.01.02 Extension Requirements

(a) When a Treated Water System Extension is Required. The parcel must have an adequate water main along at least fifty percent (50%) of the principal property frontage, but not less than 50 feet. The District may require additional length or additional water mains at locations that best promote the orderly development of the water system. District's determination will be made on review of a submitted map.

eff. 8/11/99

(b) When a Treated Water System Extension is not Allowed. When an extension is not consistent with orderly development of the water system, an extension may not be allowed.

eff. 8/11/99

10.01.03 Water Availability

Developer must first make a written request for a letter of Water Availability. The request should include Assessor's Parcel Number(s), type of development, intended use of water, and fire flow requirements.

10.01.04 Service Feasibility Study

It may be necessary for the District to prepare a study in order to determine if service can be provided. If required, the study will be prepared at the sole cost of the developer on a time and material basis and will include, but not be limited to, computer analysis of the system and proposed improvements.

10.01.05 Developer Option

The developer may elect to take on the responsibilities of constructing the extension under provisions contained in Section 10.03 or, under certain qualifications, elect to have the District construct the extension as discussed in Section 10.04.

10.02 EXTENSION SPECIFICATIONS

10.02.01 Minimum Pipe Diameter

All new water main installations will consist of a minimum pipe size of eight inch inside diameter where it is anticipated that the long sides of loops of which the extension is a part, will exceed 600 feet or where the extension will remain unlooped. In cases where loops will be formed smaller than 600 feet, a six inch inside diameter pipe will be the minimum pipe size considered. Cul-de-sac pipelines, not exceeding 600 feet in length, may be less than the minimum size if extensions are not anticipated and adequate fire flow can be obtained from the main line. Pipe sizes within new subdivisions, where strong grid systems are created, will be determined by hydraulic analysis, taking into consideration consumptive demands and required fire flows.

Further upsizing of the minimum pipe sizes may be required to meet requirements of the developer or to meet future needs of the District.

eff. 3/27/85

10.02.02 Development Standards

The Board has adopted “Development Standards, Treated Water System.” The standards include Developer Requirements, and Standard Specifications and Details. These requirements and standards are to be used by developers, as well as their consulting engineers and contractors for proper planning, designing and construction of treated water system extensions. The standards will also govern work undertaken by District crews; however, the General Manager may approve, in writing, any necessary deviations to these standards to accommodate in-house construction activities.

Proposed changes and additions to the Standard Specifications will be submitted to, and coordinated by, the District’s Engineering Department.

Sections of the Standard Specifications adopted by the Board will require updating from time to time. Such changes must be approved by the General Manager and, at the General Manager’s discretion, may require approval of the Board.

New sections being added to the Standard Specifications must be adopted by the Board.

Standard Details will be prepared, when appropriate, to help emphasize the requirements found in the Standard Specifications. The Engineering Department will, from time to time, revise the details to reflect approved revisions to the Standard Specifications. If required, Standard Details will be prepared for new sections added to the Standard Specifications.

“Development Standards, Treated Water System” are available on the District’s website and at the District Main Office. Copies of the specifications and details for bidding purposes and use by a developer’s contractor must be provided by the developer.

Full size Standard Details, in the form of reproducible Mylars, will be made available at the appropriate fee.

No changes shall be made to the Standard Specifications and Details without prior written District approval.

eff. 3/9/94; rev. 6/11/03; rev. 1/26/11

10.03 DEVELOPER CONSTRUCTED

10.03.01 Letter of Agreement

A letter of agreement between the District and the developer will be signed prior to review of the developer’s plans. The letter of agreement will outline the procedure to be followed in allowing the developer to construct the extension. The developer must have the plans and specifications prepared by a licensed civil engineer. The plans and specifications must meet the District’s approval. The developer will also provide a licensed civil engineer to act as the project engineer during the construction phase.

10.03.02 Environmental Requirements

The developer is responsible for preparing environmental documents per the California Environmental Quality Act (CEQA). Environmental documents completed in accordance with CEQA must be delivered to the District Engineering Department prior to approval of the improvement plans. The environmental documents shall describe all offsite work. For offsite work, the District shall either be the lead agency, or indicated in the environmental documents as the responsible agency.

eff. 1/26/11

10.03.03 Plan Check and Inspection Fee

The developer will be obligated to pay all plan check and inspection costs, as determined on an actual time and material basis. The developer shall submit an initial plan check and inspection deposit of five (5) percent of the estimated construction cost of facilities to be dedicated to the District, but not less than \$2,000.

rev. 1/26/11

10.03.04 Conveyance Agreement

Within 90 days of written approval of the plans and specifications for the proposed mainline extension, the developer must enter into a Conveyance Agreement (agreement) with the District. The agreement will ensure that construction of the extension will be in accordance with the District-approved plans and specifications and ensure the conveyance of the extension to the District after its completion. Standard provisions covering a labor and material bond, maintenance bond, insurance, time limits and other requirements are shown in Form 10-A. Special provisions may also be added to the agreement as found necessary by the District.

At the discretion of the General Manager, an additional six months to begin work beyond that provided in the agreement, and an additional six months to complete work beyond that provided in the agreement, may be allowed.

Any additional time extensions, if granted, must be approved by the Board.

eff. 1/10/90; rev. 6/11/03; rev. 1/26/11

10.03.05 Performance Guarantee

The District may require the developer to furnish, prior to the start of construction, a performance bond or irrevocable letter of credit naming the District as obligee. Such performance guarantee must meet the District's approval as to form and surety utilized. This performance guarantee will be required if the District, at its sole discretion, requires assurance of the developer's performance. The guarantee amount will be as estimated by the District.

eff. 6/24/87

10.03.06 Easements

Developer shall provide to the District acceptable easements for the project prior to approval of plans. Easements will follow the District's standard easement format with appropriate legal descriptions. The District will record the easements for the project.

eff: 1/26/11

10.03.07 Construction

The extension must be constructed by a contractor holding a valid Class A (General Engineering Contractor) or C34 (Pipeline Contractor) California Contractor's license issued by the State Department of Consumer Affairs, Contractors State License Board. The District Engineer, or his/her representative, will inspect the work for compliance with the approved plans, specifications, and District standards. The developer will assume the cost of engineering and inspection services.

10.03.08 Approved Plans Expiration

Plans are valid for the time frames indicated in the Conveyance Agreement. Extensions will require re-review and approval by the Chief Engineer.

eff. 1/26/11

10.03.09 District Acceptance

The facility shall not be directly connected to District facilities until acceptance by the District. The Developer shall use a jumper assembly to separate the facility from the District until accepted. Exemption from the requirement for jumper facility requires approval of the Chief Engineer. Short main line extensions will generally be exempt at the discretion of the Chief Engineer. Upon completion of construction and compliance with all the terms and conditions of the conveyance agreement, and payment of all District plan check and inspection costs, the General Manager, on behalf of the District will accept conveyance and title of the extension. The District will then own, operate, maintain, repair and replace the improvements, except as specified during the maintenance warranty period. Upon acceptance of conveyance of the extension, the developer may apply for water service.

eff. 1/10/90; rev. 6/11/03; rev. 7/28/04; rev. 1/26/11

10.04 DISTRICT CONSTRUCTED

10.04.01 General

The developer may request the District to install any extension consisting of a water main installation which is less than 300 feet in length. In such cases, the District may take on the responsibility of designing and constructing the extension depending on the District's current work load.

rev. 1/26/11

10.04.02 Agreement

A written agreement between the developer and the District will be required. The agreement will contain clauses outlining the District's responsibility to prepare engineering plans and specifications and construct the extension, payment for construction, and other conditions as deemed necessary by the District. A letter agreement, not requiring Board approval, will be used if the estimated cost is equal to, or less than \$15,000.

eff. 12/12/90; rev. 1/26/11

10.04.03 Construction Cost

Schedule 10-A of these Regulations will be used to determine the District's charge to design and construct the pipeline.

The cost, as determined herein, will be stipulated in the agreement as the final cost to the developer for construction of the extension.

rev. 1/26/11

10.04.04 Payment Schedule

At the time the agreement is signed, 50 percent of the construction cost must be paid to District. Actual construction will be scheduled only after the remaining 50 percent is received.

10.05 DISTRICT FINANCIAL PARTICIPATION

The developer may request, prior to consummation of a conveyance agreement, that the District participate financially for any portion of extension upsizing required by the District for future needs as opposed to developer's needs. All District participation is subject to availability of District funds. Participation including costs for engineering, land, easements and other ancillaries will not exceed the cost of a similar facility as listed in the latest District Capacity Charge Study subject to adjustments for inflation. Adjustments for inflation will be in accordance with District approved adjustments to capacity charges. In the case of water main installations, a pipe size less than the minimum pipe size, as discussed in Section 10.02.01, will not be considered adequate for the developer's needs.

Final determination of District participation will be made by the Board after review of the financial priorities of the District and included in the conveyance agreement.

rev. 1/26/11

10.06 REIMBURSEMENT FEE

The District will collect a reimbursement fee, where applicable, before granting a water service, including a private fire service, to a parcel which lies along and may be served directly from any pipeline extension installed under the provisions of these Regulations. The reimbursement fee for any parcel shall be determined by multiplying the front foot charge by the lineal feet of property frontage which lies along the extension. The reimbursement fee for an extension shall be in effect for a period of twenty years from the date of execution of the reimbursement agreement between the developer and the District. All monies collected will be returned to the developer.

No reimbursement fees will be collected unless the developer has signed a reimbursement agreement prior to District acceptance of the extension in the case of a developer-constructed extension. In the case of a District-constructed extension, reimbursement provisions will be included in the initial agreement.

All monies collected will be returned to the developer by registered mail to the last address on record at the District office. The developer shall be responsible for keeping the District record

current. Monies so delivered that are returned to the District shall be retained for the benefit of the developer for a period of one year. No other attempts will be made to locate the developer. At the end of the one-year holding period, the District shall return the principal amount to the then current owner of the parcel from which the reimbursement had been collected. The developer shall have no further claim to the monies. The reimbursement accounting system shall continue to indicate that the parcel has paid the reimbursement.

The developer will select, at the time a reimbursement agreement is signed, one of the following options for determining the front footage charge and parcels subject to a reimbursement fee.

Option A. The front footage charge will be determined by dividing the cost of the extension by the front footage along the extension of all parcels which may be served directly from the extension. Parcels already receiving District treated water, at the time a reimbursement agreement is signed, will be excluded in determining the front footage charge, even though future service may be made from the extension. All parcels, whose front footage was utilized in the calculation described above, will be subject to the reimbursement fee.

Option B. The front footage charge will be determined by dividing the cost of the extension by the front footage along the extension of all parcels which may be served directly from the extension. An existing parcel fronting the extension, and not currently receiving District treated water, will be subject to the reimbursement fee. An existing parcel fronting the extension, which currently receives District treated water, will only be required to pay a reimbursement fee if that current service is expanded or upsized, or if that parcel is split. In case of a parcel split, the existing service will be assigned, at the sole discretion of the District, to one of the newly created parcels. The remaining new parcel(s) which lie along and may be served directly from the extension will be subject to the reimbursement based on that parcel(s)' front footage along the extension.

Option C. The Developer may elect to provide for reimbursement from parcels that in the future, may obtain water service by formal variance and which service assembly is tapped directly onto the water main that is the subject of the reimbursement agreement. The Developer must request Option C, in combination with Option A or B, in writing and, in the same request,

state the number of desired future variances to be accommodated in the reimbursement agreement. The number shall be considered empirical in nature and not in any way assigned to, or attached to any one parcel or future parcel. District acceptance of the Developer's request shall in no way indicate or influence the probability of variances that might be approved in the future.

Each of the variances requested for accommodation in the reimbursement agreement shall be assigned a length of front footage equal to 125 feet but not more than fifty percent of the total length of the water line extension. This length shall be multiplied by the number of future variances requested by the Developer to be accommodated in the reimbursement agreement. This amount shall be added to the front footage as determined by either Option A or B. The front footage charge will be determined by dividing the cost of the extension by the sum of front footages including frontages assigned to variances as determined above.

The front footage charge as determined above shall be adjusted periodically to reflect changes in construction costs. Each agreement approved after the effective date of this revision shall provide for a yearly adjustment in the reimbursement charge based on the Engineering News Record - 20 Cities Average - Construction Cost Index from approximately July 1 to June 30 of the next year. This adjustment shall become effective on September 1st of each year. The first adjustment for any agreement shall be made after the agreement has been in full force and effect through one complete cycle of July 1 to June 30 [Example: An agreement approved in November of 2008 would receive its first front footage charge adjustment on September 1, 2010. The adjustment would reflect the change in the Construction Cost Index from July 1, 2009 to June 30, 2010].

Under any option, the front footage charge shall not be applied more than once to any parcel, and no one parcel will be required to pay a reimbursement fee in excess of fifty percent of the cost of the extension. The cost of the extension shall be considered to be the Developer's out-of-pocket expenses directly and solely related to the installation of the extension, as determined by the District. The Developer's on-site improvements will be excluded from the cost of the extension.

eff. 04/11/2001; rev 6/11/03; rev 11/9/05

10.06.02 Reimbursement for District Installed Pipelines

The District will collect a reimbursement charge, where applicable, before connecting a water service, including a private fire service, to a parcel which lies along and may be served directly from any pipeline installed by the District. The reimbursement charge for each parcel will be determined by specific methods established by District policy. The cost subject to the charge will be based on all costs to install the pipeline, including labor, equipment, materials, and incidentals for the design, installation, and inspection, legal costs, easements, environmental documentation, permits, and restoration. The reimbursement charge will be calculated to represent the proportionate costs of installing a distribution pipeline (8-inch diameter distribution pipeline, or larger if required for fire flow and other needs of the immediate area) for those parcels served and/or anticipated to be served directly by the pipeline, regardless of the actual pipe size installed by the District.

eff. 9/1/13

10.07 PREPAYMENT OF CAPACITY CHARGES

All treated water extensions serving greater than four parcels will require the payment of a minimum size meter capacity charge, as shown in Schedule 4-A, for each parcel to be served prior to District acceptance of the extension in the case of developer-constructed extension. District sponsored water line projects are not subject to the requirement of prepayment of capacity charges.

rev. 11/14/07

10.08 REQUEST FOR VARIANCE

10.08.01 Request Procedure

The applicant shall submit a completed Form 10-B Variance Request and pay an Administrative-Processing fee along with written permission from all property owners affected by the proposed service line (for water service to the applicant's property). The processing fee is non-refundable regardless of approval or denial of any part of the variance request.

eff. 6/9/99; rev. 1/26/11; rev. 10/9/13

10.08.02 Review of Variance

The Staff Variance Screening Committee, consisting of representatives from Management, Engineering Department, and Operations Department, as determined by the General Manager, will review requests for variances from District Regulations pertaining to treated water systems.

The Staff Variance Screening Committee may unanimously deny a variance. Applicant may appeal per Section 10.08.04.

The Staff Variance Screening Committee may unanimously recommend variance approval and conditions of approval to the General Manager. The General Manager may then approve the variance and conditions of approval.

If the Staff Variance Screening Committee and the General Manager are not in unanimous agreement, they will submit the Variance Request to the Engineering Committee. The Engineering Committee may unanimously deny the variance, and the applicant may appeal per Section 10.08.04. If the Engineering Committee does not unanimously deny the variance, it will make recommendations to the Board of Directors. The Board of Directors' decision, by majority vote, will be final.

eff. 6/9/99

10.08.03 Expiration Date

All approved variances will have an expiration date of not more than two years. All conditions of approval must be met before the expiration date. Thereafter, the District will consider the variance expired. After expiration, any request for variance will be considered a new request subject to the processing fee and all District regulations at the time of the new request.

eff. 6/9/99

10.08.04 Appeal of Variance

The applicant may appeal a denied variance. All appeals must be in writing and received by the District within 60 days from the date of written notice of the District's decision. After 60 days, a

request for appeal would be considered a new application requiring the applicant to submit a new Form 10-B and processing fee.

The first appeal would be made to the Engineering Committee, who may unanimously deny the appeal or forward the appeal to the Board of Directors with recommendations. If the Engineering Committee unanimously denies the appeal, the applicant may make a final appeal to the Board of Directors for a majority vote.

eff. 6/9/99

10.09 PRIVATE PIPELINE REPLACEMENT

10.09.01 General

In earlier years, the District allowed treated water service through private pipelines that served two or more parcels not fronting a District water main. As indicated in these Regulations, current requirements allow water service to a parcel only if it is adequately fronted by a District water main. Many of these aging private pipelines have experienced leaks that waste valuable District water supplies. In order to minimize this problem, the following participation program is available.

10.09.02 District Participation

District participation will be considered on any private pipeline elimination project where District water main replacement is involved. The new water main must meet all requirements as contained in this section of these Regulations. The District will determine, at its sole discretion, if it is in the District's best interest to participate in any private pipeline elimination project. Upon determining to participate, and after signing an agreement with the private pipeline owner, the District will schedule the design and construction, taking into consideration the priority of other District activities.

eff. 2/12/92

10.09.03 Private Pipeline Owner Contribution

At the time an agreement is reached for District participation, the private pipeline owner(s) will pay, as the owner's full share of project costs, 25 percent of the amount determined by Schedule 10-A (Note that Schedule 10-A does not include costs associated with right of ways). The 25 percent contribution is in addition to any payments made for right-of-way purchases, and any related legal cost. These costs will be paid 100 percent by the private pipeline owner(s).

If applicable, reimbursement provisions may be included in the agreement pursuant to Section 10.06 of these Regulations. These provisions will allow the private pipeline owner(s) and the District to share the collected reimbursement fees based on the percentage of project cost paid by each party.

eff. 8/14/91; rev. 6/11/03; rev. 1/26/11

10.10 TREATED WATER SERVICE THROUGH NEW PUMP STATIONS, STORAGE TANKS, AND PRESSURE REDUCING STATIONS

10.10.01 General

The developer may request, prior to execution of a conveyance agreement, that the District participate financially for construction of pump stations, storage tanks, and pressure reducing stations where those facilities provide regional benefit (as determined solely by the District).

eff. 7/11/90; rev. 3/24/04, rev. 1/26/11

10.10.02 Applicability

Treated water service to parcels in new pump zones would only be applicable for areas with no upstream treated or raw water facility restrictions. The District reserves the right to limit service to the new pump zones if this expansion leads to upstream facility expansions, which are not cost effective or are not reasonably reimbursed through collection of the District's standard capacity charge.

eff. 7/11/90; rev. 3/24/04; rev. 1/26/11

10.10.03 Design Considerations

In establishing a new pump zone, it will be the District's goal to minimize the size of pumps required to provide adequate service and to limit customer water outages. In most cases, a storage tank will be required to provide fire flow, peak hour demands as well as emergency storage. The physical size of the pump station, transmission main or storage tank may exceed the needs of the developer's property in order that additional parcels can be served. In order to adequately serve the new pump zone, the required storage tank site may be located outside of the developer's property. Installation cost of these facilities will be solely the responsibility of the developer subject to District participation and reimbursement per Sections 10.10.04 and 10.10.05. The developer is also responsible for all costs associated with the installation of the pipeline extension and any other appropriate fees and charges as set forth in these Regulations.

eff. 7/11/90; rev. 1/26/11

10.10.04 District Participation

Refer to Section 10.05 for participation in pipelines. To be eligible for District participation, the facilities must be constructed with the review and approval of the District.

All District participation is subject to availability of District funds. Participation including costs for engineering, land, easements and other ancillaries will not exceed the cost of a similar facility as listed in the latest District Capacity Charge Study subject to adjustments for inflation. Adjustments for inflation will be in accordance with District approved adjustments to capacity charges.

eff. 1/26/11

10.10.05 Reimbursement

Where pump stations, storage tanks and pressure reducing stations do not provide regional benefit, and are funded by the developer, and where customers outside of developer's land are allowed to be served from developer funded facilities (service directly connected), the developer will be entitled to reimbursement from said customers.

The District will determine the cost of the pump station and then divide this amount by the number of customers that can be served by the pump station including developer's land. The amount of reimbursement will not exceed the actual cost of the pump station. If it is determined by the District that excess pumping capacity is available, each additional customer obtaining service will be charged the previously described cost per customer. Any funds collected from this charge will be transmitted to the developer. The reimbursement will be available for a 20-year period from the date of District acceptance of the completed facilities.

No reimbursement fees will be collected from future customers unless the developer has signed a reimbursement agreement prior to District acceptance of the facility.

All monies collected will be returned to the developer by registered mail to the last address on record at the District office. The developer shall be responsible for keeping the District record current. Monies so delivered that are returned to the District shall be retained for the benefit of the developer for a period of one year. No other attempts will be made to locate the developer. At the end of the one-year holding period, the District shall return the principal amount to the then current owner of the parcel from which the reimbursement had been collected. The developer shall have no further claim to the monies. The reimbursement accounting system shall continue to indicate that the parcel has paid the reimbursement.

Reimbursements for pipelines are provided for in Sections 10.05 and 10.06 of these Regulations.

eff. 7/11/90; rev. 6/11/03; rev. 4/14/04; rev. 11/9/05; rev. 1/26/11

10.11 TREATED WATER SERVICE TO NEW PUMP ZONES

10.11.01 General

Having taken into consideration economic factors and physical restrictions, the District has established water service boundaries for each of its treated water systems. These boundaries indicate the extent that these systems may be expanded to provide treated water.

Areas containing parcels that would require the establishment of new pump zones to provide adequate water service were not included within the existing service area boundaries. These parcels were not considered economical to serve under the District's present water rate structure due to the excessive cost of operating and maintaining pump stations. The requirements contained herein, allows water service to be made available to parcels requiring new pump zones without creating an economic hardship on the District.

eff. 7/11/90; rev. 3/24/04

10.11.02 Applicability

Treated water service to parcels in new pump zones would only be applicable for areas with no upstream treated or raw water facility restrictions. The District reserves the right to limit service outside the established water service boundaries if this expansion leads to upstream facility expansions, which are not cost effective or are not reasonably reimbursed through collection of the District's standard capacity charge.

eff. 7/11/90; rev. 3/24/04

10.11.03 Design Considerations

In establishing a new pump zone, it will be the District's goal to minimize the size of pumps required to provide adequate service and to limit customer water outages. In most cases, a storage tank will be required to provide fire flow, peak hour demands as well as emergency storage. The physical size of the pump station, transmission main or storage tank may exceed the needs of the developer's property in order that additional parcels can be served. In order to adequately serve the new pump zone, the required storage tank site may be located outside of the developer's property. Installation cost of these facilities will be solely the responsibility of the developer. The developer is also responsible for all costs associated with the installation of the pipeline extension and any other appropriate fees and charges as set forth in these Regulations.

eff. 7/11/90

10.11.04 Reimbursement

If other customers who are not part of the developer's land are allowed to utilize excess storage or pumping capacity in the new pump zone, a reimbursement will be due the developer. The reimbursement will be available for a 20-year period from the date of District acceptance of the completed facilities.

Use of excess water storage from the new pump zone by other customers will be compensated for by the District paying the developer the current storage tank component of the capacity charges collected from these other customers.

The District will determine the cost of the pump station and then divide this amount by the number of customers that can be served by the pump station. If it is determined by the District that excess pumping capacity is available, each additional customer will be charged the previously calculated cost per customer. Any funds collected from this charge will be transmitted to the developer.

The costs used to determine reimbursement shall be adjusted periodically to reflect changes in construction cost. These adjustments shall be governed by Section 10.06 of these Regulations.

Reimbursements for off-site pipelines are provided for in Section 10.06 of these Regulations.

eff. 7/11/90; rev. 6/11/03; rev. 4/14/04; rev. 11/9/05

10.12 TEMPORARY SERVICE LOCATION

A Temporary Service Location (TSL) may be approved by the Variance Screening Committee (VSC) subject to certain requirements as described herein. The intent of the TSL is to provide a temporary water service to eligible parcels until a future water main is installed to serve the parcel(s) in accordance with Section 10. A TSL is a temporary service facility and is not considered a permanent service location.

10.12.01 Eligibility

A property owner is eligible for a TSL when the property: a) is located within the District Boundary; b) has an existing residential dwelling on the property (served by a water source - other than District treated water) or on a vacant property with the owner having applied for a building permit; c) is not currently fronted by a District treated water main; d) where water service to the property can be obtained from an existing water main; and e) where the orderly development of District facilities will logically require a mainline fronting the subject property in the future.

The subject property must front on a public road right-of-way, utility easement, public service easement, or abut the alignment for such right-of-way or easement as proposed by the District, or a city or county. Only properties that would be required to construct at least 300-feet of treated water extension (under Section 10 of the District Rules and Regulations) would be considered for a TSL, as determined by the VSC.

Only one (1) TSL will be allowed for each eligible parcel of land.

10.10.12.02 Application and Request for TSL

The applicant shall complete and submit Form 10-C, Temporary Service Location Request, an administrative processing fee as shown in Schedule 10-B, an 8½" x 11" scaled drawing or map showing the proposed temporary meter location and temporary service line, along with written permission by all property owners affected by the proposed temporary service line (for water service to the applicant's property). The processing fee is non-refundable regardless of approval or denial of the TSL Application.

10.10.12.03 Review of TSL Application

The VSC will review all TSL Applications to determine eligibility. The VSC may deny the TSL or recommend further action. If the VSC unanimously recommends the TSL, the application will be submitted to the General Manager for approval. The applicant will be notified of the

District's decision, and if approved, the notification will include a list of requirements to be completed by the applicant prior to scheduling the installation of the meter for the TSL.

The VSC may unanimously deny a TSL. Applicant may appeal per Section 10.12.04.

If the VSC is not in unanimous agreement, it will present the TSL Request to the Engineering Committee for consideration. The Engineering Committee may approve or deny the TSL. If denied, the applicant may appeal per Section 10.12.04.

10.12.04 Appeal of TSL Denial

The applicant may appeal the VSC's denial of a TSL Application. All appeals must be in writing and received by the District within 60 days from the date of written notice of the District's denial. Upon receipt of the request for appeal, the matter will be scheduled for consideration by the District's Engineering Committee or Board of Directors, as appropriate. The Engineering Committee may uphold or overturn the denial. If the Engineering Committee does not overturn the denial, the applicant may appeal the Committee's decision to the Board of Directors by written request to the Business Coordinator. The appeal will be scheduled for consideration by the Board of Directors at a regularly scheduled meeting of the Board of Directors.

10.12.05 Requirements

Upon receipt of notice that the TSL Application has been approved, the applicant must comply with the following requirements to obtain a TSL service:

- a. Pay any fees, or other monetary obligations, that are required for connecting to the existing District main for the temporary service (this may include obligations for existing reimbursement agreements, participation in an existing Improvement District or District Financed Water Line Extension (WLE) program, or participation in other financing districts that may pertain to the existing main);
- b. Pay two current meter installation charges (representing installation charges for connecting the TSL to the existing main and the connection charge for eventually relocating the connection to the future main at the permanent location - fronting

the subject property). The installation fees will be one (1) “Drop-in” fee and one (1) “Requiring Tap” fee as shown in Schedule 4-A;

- c. Pay the current capacity charge for treated water (based on the size of meter requested);
- d. Pay the current Treated Water Main (TWM) Contribution as defined herein;
- e. Provide copies of all required easements (executed and recorded) for constructing and maintaining the temporary service line (crossing neighboring parcels);
- f. Provide adequate easements or Rights-of-Way for the future water main and related appurtenances, if applicable;
- g. In the case of vacant property, provide copy of building permit issued by appropriate agency (District will issue conditional Will Serve Letter as needed);
- h. Execute Form 10-D, Agreement for Temporary Water Service and Contribution for Future Treated Water Main Extension;

10.12.06 Expiration of TSL Application

For a vacant property, an approved TSL Application shall remain in effect for a period of one (1) year following the date of approval by the District. For all other properties, an approved TSL Application shall remain in effect for a period of two (2) years following the date of approval by the District. If all requirements for the TSL have not been met by the expiration date, the TSL approval shall expire and become void.

10.12.07 Extension of Approved TSL

A TSL Application approved for two (2) years may be extended by one (1) year. The applicant must submit a renewal application along with a processing fee as shown in Schedule 10-B which is non-refundable regardless of approval or denial of the TSL Renewal Application. The Renewal Application will be reviewed using the same process as the original application stated previously in this policy. Only one extension may be granted.

10.12.08 Treated Water Main Frontage Contribution

The Treated Water Main (TWM) Contribution represents the applicant's monetary contribution to the design and construction of a future pipeline that will eventually be installed by others

fronting the applicant’s parcel. This contribution will be retained by the District, and accounted for separately, to supplement funds needed by a future developer, waterline extender, or by any District sponsored financing efforts to install the future treated water main.

For each TSL Application, the TWM Contribution will be determined based on the projected size of a single family residential lot that can be subdivided from the subject property at the smallest size (or maximum density), as defined by the General Plan of the appropriate County or City, as follows:

$$\text{TWM Contribution} = \sqrt{\text{size of lot (in square feet)}} \times \text{estimated cost of TWDM}^* \div 2$$

*TWDM = Treated Water Distribution Main

The TWDM multiplier as shown in Schedule 10-B will be determined by the Engineering Department and revised or amended periodically to reflect updated estimates for the cost to provide and install distribution pipelines.

For a General Plan designation that is not residential use, the TWM Contribution will be based on the actual current size of the subject property.

Examples:

- A. Gross Area of Subject Property = 6.05 Acres
 General Plan Land Use = Rural Residential
 General Plan Density = 5 Acres (Min)
 Size of lot = 5.0 Acres x 43,560 SF/AC = 217,800 SF
 TWDM = (See Schedule 10-B)
 TWM Contribution = $\sqrt{217,000}$ x TWDM ÷ 2 = \$_____

- B. Gross Area of Subject Property = 20.0 Acres
 General Plan Land Use = Rural Residential
 General Plan Density = 1 Acre (Min)
 Size of lot = 1.0 Acre x 43,560 SF/AC = 43,560 SF

TWDM = (See Schedule 10-B)

TWM Contribution = $\sqrt{43,560}$ x TWDM ÷ 2 = \$_____

10.12.09 Future Subdivision of Property

The future subdivision of property with a TSL shall be subject to the District’s Treated Water System Extension Policy (District's Rules and Regulations - Section 10)). Upon subdivision, the District will credit the TWM Contribution to one of the property owners of the subdivided parcels/lots, the particular lot to be chosen at the District’s discretion, and it will be assumed that the property owner of that lot will have met its obligation to the cost of the frontage mainline. The property owners of the remaining parcels/lots resulting from the subdivision will be required to pay the appropriate reimbursement for the mainline extension, based on the policy in effect at the time, without consideration of the TWM Contribution.

10.12.10 Installation of Future Treated Water Main

Upon the installation of the future treated water main abutting the subject property, the TSL applicant, or the successor, shall remove or abandon any on-site or off-site plumbing that is connected to the TSL service and shall connect to a newly installed service lateral and meter, pursuant to the agreement referenced in 10.12.05(h).

10.12.11 Refund of other Monetary Obligations

If, at the time of TSL approval, the District collected monetary obligations that were required in accordance with 10.12.05 (a), and to the extent that the collected funds have not been used for their stated purpose at the time the subject service is moved to its permanent location, the District shall refund the remaining funds. The recipient of the refund shall be to the property owner(s) on title to the subject parcel at the time of disbursement.

10.20 DISTRICT FINANCED WATERLINE EXTENSIONS

The goal of this Section is to permit expansions of residential water service to new customers by authorizing planning services and an advance of District funds to eligible neighborhood groups actively seeking the extension of treated water line(s) into their community. Assistance offered by this program includes informative group meetings, providing project design and construction

services, providing advanced project funding, and providing a means for recovering project costs advanced by the District from the neighborhood over time. A project implemented through this Section shall be referred to as “District Financed Waterline Extension, or DFWLE.

10.20.01 DFWLE Eligibility

Neighborhood groups representing existing single-family residential dwellings, including duplex units, and to a limited extent, unimproved lots are eligible for the DFWLE program. The DFWLE program will not be used to finance treated water facilities for commercial or industrial land uses, or for lands under development through a use permit or for subdivisions, including planned unit or similar developments.

The intent of the DFWLE policy is to provide treated water to existing developed neighborhoods. Unless otherwise authorized, the number of unimproved parcels eligible for inclusion with any recognized neighborhood group will be limited to 20% of total potentially served parcels. A parcel shall be considered improved if a building permit has been issued for a residence on that parcel.

An eligible DFWLE must contain a minimum of 6 parcels, of which at least 5 must be improved, and a target maximum of 40 parcels. The minimum participation level will be calculated using 60% of the total parcels that the District determines could potentially be served by the DFWLE, rounded to the nearest whole number. Participation will be implemented through the execution of a DFWLE Funding Agreement as described below. A DFWLE Funding Agreement, fully executed by the interested landowners(s), must be delivered to the District and approved by the Board before it is effective. To avoid delays in construction, once the District issues a Notice to Proceed to the Contractor constructing the DFWLE facilities, no further Funding Agreements will be accepted by the District.

rev. 11/12/14

10.20.02 DFWLE Program Eligibility List

The District will maintain a list (Eligibility List) of neighborhoods requesting participation in the DFWLE program. To be placed on the Eligibility List, a neighborhood must submit its request in writing. The request must include 1) a contact person and telephone number, 2) parcel number of each participating parcel, 3) owner(s) name and address for each parcel, and 4) signatures from each owner.

Priority will be established based on the date of addition to the Eligibility List, and on active participation. As shown on the flowchart, the Engineering Committee will determine the next neighborhood group eligible for funding under the DFWLE program and the Administrative Practices Committee will evaluate funding. At that time, with a recommendation from both Committees, the Board of Directors will consider encumbering DFWLE allocated funds and assignment of a rate of interest representing interest foregone by the District had the funds allocated for the DFWLE project been otherwise invested. Upon determination of the interest rate, the Board of Directors will assign a surcharge modifier to the DFWLE project. (The surcharge modifier is calculated as determined elsewhere in this Section.) Funds encumbered for an individual DFWLE and funds allocated for all DFWLE projects shall be subject to the discretion of the Board and to limitations imposed by the Board of Directors as part of its budgeting authority, and may be reduced or restricted as the Board deems necessary given the other financial demands on the District.

Once a project is deemed eligible as a DFWLE project, the District will incorporate the general program provisions, complete a Water Service Study, establish the maximum charge for recovering project costs, and solicit neighborhood commitment through an informative group meeting.

10.20.03 General Program Provisions

Participation in the DFWLE program is voluntary. DFWLE project costs will be allocated equally among all parcels with potential service from the water line extension. The Board of

Directors will determine the level of funding available for all DFWLE projects on the Eligibility List on at least a yearly basis.

The District will advance the funds necessary to meet the costs for eligible DFWLE project(s) approved by the Board of Directors, less the total amount of good-faith deposits received. The District will recover the funds advanced through the application of the Service Extension Charge (SEC).

District funds advanced to the DFWLE program for participating parcels which submit a good faith deposit will be recovered through the application of a Service Extension Charge (SEC). The maximum cost recovery time period will be 20 years. The SEC will be collected as part of the participating parcel's treated water bill. The SEC will include a surcharge modifier to compensate the District for the loss of interest earnings as a result of funding participating parcel's share of the DFWLE costs. DFWLE costs allocated to parcels without an executed funding agreement will be subject to the Districts Reimbursement Policy #3175.

Costs eligible for advance by District under the DFWLE program include preliminary design, compliance with CEQA, design, rights of ways, construction, construction management, and capacity and meter installation charges for a domestic meter. The maximum amount of financeable project facility costs, including capacity and meter installation charges, is \$30,000 per participating parcel.

The applicant shall complete and submit an Application, Form 10-E, requesting to participate in the District Financed Waterline Extension Program, and the District will charge an administrative processing fee as shown on the application. The processing fee is non-refundable regardless of completion of the waterline extension project.

10.20.04 Service Extension Charge (SEC)

A Service Extension Charge (SEC) will be used to recover over time District funds advanced for DFWLE project costs from participating parcels that have paid a good faith deposit. The SEC

will be added to, and become part of the water bill for each of the participating parcels. The maximum SEC required to support project costs allocated to each participating parcel (“Total Costs”) will be determined in the Water Service Study as defined in Section 10.20.06. The SEC to appear on the water bill will be calculated following compilation of all project costs. The SEC will be calculated as 1) the total project costs, 2) subtract the total good-faith deposits received, 3) add the total capacity and meter installation charges, 4) divide by the number of potentially served parcels, 5) divide by the total number of anticipated billing periods within the cost recovery period, and 6) multiply by the surcharge modifier as determined elsewhere in this Section.

The SEC will be the same for all participating parcels within a particular DFWLE project and will not change once it first appears on the water bills.

10.20.05 Surcharge Modifier

A surcharge will be used to compensate the District for the loss of interest earnings as a result of funding any particular DFWLE project. The surcharge will be used to modify the SEC. The surcharge modifier will be determined by the District Board of Directors on a case-by-case basis by first establishing the rate of interest the District funds could have otherwise earned. The surcharge modifier will be calculated as 1) the Capital Recovery Factor 2) multiplied by the number of billing periods within the project cost recovery period (20 years).

10.20.06 Water Service Study

The District will complete a Water Service Study for the next eligible DFWLE project as determined by the Engineering Committee. Prior to beginning the study, the District will investigate the area surrounding the core neighborhood group to map the parcels which could potentially receive water service from the DFWLE. Should the District determine that expansion of the project to other parcels is necessary for the orderly expansion of the distribution system; the District will add the parcels to the DFWLE group.

The Water Service Study will include at least:

- a. Project location map and preliminary facility layouts
- b. Delineation of potential parcels served from DFWLE
- c. Project costs; including preliminary design, compliance with CEQA, design, rights-of-ways, facilities construction, construction management, and contingencies.
- d. District participation in facility costs if appropriate, pursuant to District policy (including the Capacity Charge Study).
- e. Capacity and Meter Installation charges for a minimum-size water meter.
- f. Maximum Total Charge
- g. Maximum Service Extension Charge (SEC) required to amortize the Maximum Total Charge.

The cost estimates and SEC quoted in the Water Service Study will be honored for a minimum of 12 months, giving time to complete formation of the group, and execution of a Funding Agreement with each participating parcel.

The District will perform the Water Service Study without charge to the neighborhood group.

10.20.07 Initial Group Meeting

Upon completing the Water Service Study, the District will notify the group contact person and arrange for an initial group meeting. The District will present the findings of the study and answer questions.

10.20.08 Good-Faith Deposit

Should the neighborhood group demonstrate a willingness to proceed with the DFWLE project based on the maximum SEC quoted during the initial group meeting; the District will request an application and a good-faith deposit from each of the participating parcels. A good-faith deposit must be received from approximately 60% of the benefitted parcels as calculated in accordance

with Section 10.20.01 and will be applied against the total project cost so as to reduce the SEC for each participating parcel.

The deposit amount will be at least 10% of each participating parcel's share of the estimated project cost, excluding capacity and meter installation charges. The deposit amount will be adjusted above 10% if necessary so that the DFWLE participant will not receive funding in excess of the maximum amount allowed per participating parcel (\$30,000).

As established in the flowchart, after the District's request to all participating parcels to execute an application and make a good faith deposit, each participating parcel must sign and return a letter containing the terms and conditions of the deposit, and return the deposit with the letter. Should one or more prospective participating parcels fail to return the deposit amount and a countersigned deposit letter; the non-responsive parcel(s) will be removed from the neighborhood group list. If this process results in less than the minimum participation from the potentially served parcels as calculated in accordance with Section 10.20.01 within the allowed solicitation period, all deposits will be returned and the project will be removed from the eligibility list.

Once a good-faith deposit and executed letter have been collected from approximately 60% of the potentially served parcels as calculated in accordance with Section 10.20.01, the District will request the owner(s) of each participating parcel to enter into a Funding Agreement. The District will also begin charging expenses against the project for inclusion in the Total Charge. Retroactive charges, representing costs incurred to that date by the District will not be applied to the Total Charge to be recovered under the Funding Agreement.

If, during development, but after receipt of the requisite number of good faith deposits, the project fails due in whole or in part to the actions or inactions of the participating parcels, the DFWLE will be discontinued and the amount of good-faith deposit that remains unused at the time will be split equally among participating parcels and returned. If the project fails due solely to the actions or inactions by the District, the total amount of good-faith deposits will be returned.

10.20.09 Easements - Subordination of Agreement/Easements

Concurrent with the submission of the good faith deposit, owners of participating parcels must agree that before the commencement of construction by District, and in no event later than the date of execution of a Funding Agreement, they will, when requested, convey to the District easement(s), in the form prepared by the District, that the District determines are necessary for installation and maintenance of the waterline extension project. Owners must also agree to seek and obtain subordination from any mortgagor or holder of deed of trust or other lien holder of a security interest in the parcel, subordinating their security interest(s) to the District easement, the Funding Agreement, and the lien authorized under the Funding Agreement. For any necessary easements required for the waterline extension over property owned by other persons or entities, which are not participating parties but from whom an easement is required, the participating owner will seek to facilitate, in cooperation with other participating owners, the subordination of any mortgagors, trustors, or lien holders in favor of the District's easement. The Funding Agreement will specify that the District may refuse to execute the Funding Agreement, or if executed, cease the design and implementation of the pipeline extension financing project, with no further rights or obligations between the parties, in the event the District determines, at its sole discretion, that any failure to subordinate by a participating property owner's lender or the lender for a parcel owned by another person or entity renders the project not in the best interest of the District. The District is not required to initiate proceedings in eminent domain to acquire any easement or subordination required for the DFWLE. All required right of way documentation, including subordinations necessary for a pipeline extension project must be executed and effective prior to the start of construction.

In the event that a prospective participating owner cannot obtain subordination, they may submit a written request for waiver to the General Manager. The General Manager may modify or waive the requirement to obtain subordination including title insurance, in those circumstances where it is determined that the value of the District's interest is so small as to render such documentation economically unreasonable; the risk of foreclosure is so small that it is not considered a realistic risk; and/or the lender or senior lienholder provides the District with alternative assurance satisfactory to the General Manager, that the District's easement will not be disturbed by a senior

lienholder. The General Managers determination can be appealed by written request to the Administrative Practices Committee (APC), who may by unanimous action grant the appeal, deny the appeal, or forward the appeal to the Board of Directors with or without recommendation. If the APC denies the appeal, the applicant may make a final appeal to the Board of Directors. The decision of the Board of Directors shall be made in its sole and unlimited discretion and will not be subject to appeal.

10.20.10 Funding Agreement

The owner(s) of each participating parcel must enter into a Funding Agreement, subject to approval by the Board of Directors, as found in Form 10-F attached to these regulations. Special provisions may be added to, or other revisions made to the Funding Agreement form as found necessary by the District under the circumstances of each transaction. The Funding Agreement will be recorded against the participating parcel.

The Funding Agreement, once recorded, will authorize a lien by the District on the participating parcel for the purpose of collecting all delinquent water account charges, including the accumulated SEC.

Project design work will not begin until approximately 60% of the potentially served parcels as calculated in accordance with Section 10.20.01 have executed a Funding Agreement, returned it to the District, and the agreement has been recorded with the County Clerk.

10.20.11 Project Cost Compilation and SEC Adjustment

Following completion of construction of the DFWLE facilities, project costs will be compiled and a final Total Charge will be calculated. The District will analyze the project costs and issue a project completion Cost Accounting Report. The report will recalculate, based on actual project costs, all program variables, including the SEC.

If the Cost Accounting Report indicates that the Total Charge requires an SEC greater than the maximum SEC appearing in the Funding Agreement, the SEC will remain unchanged and the

District will pay the overrun. The District will not place further claim on participating parcels for the amount of the overrun.

If the Cost Accounting Report indicates that total project costs allow an SEC less than the maximum SEC appearing in the Funding Agreement, the District will adjust the SEC accordingly to the lower amount appearing in the report. The revised SEC and associated monthly payment will be included with the next water bill for each of the participating parcels.

10.20.12 Failure to Pay Treated Water Bill

Failure to pay a treated water bill as required in the Funding Agreement, including the SEC, will result in a delinquent account and, if not paid in accordance with District rules, a subsequent notice of turn-off, followed by turn-off. Upon issuance of a turn-off notice, whether or not the service is actually discontinued, all delinquent amounts will become due and payable. Treated water service will remain off and the SEC will continue to accrue, along with all other appropriate and customary charges, until the account has been paid in full. Unpaid balances shall constitute a lien against the participating parcel.

10.20.13 Pre-Payment of Project Costs and Charges

Upon completion of construction, compilation of project cost, and final SEC adjustment (if required), a participating parcel may pre-pay all or a portion of its Total Charge, including capacity and meter installation charges. Multiple pre-payments will be accepted without penalty from each participating parcel during the cost recovery period.

Upon receiving a pre-payment from a participating parcel, the time allocated for cost recovery will be reduced. The number of billing periods by which the cost recovery period will be reduced will be determined by 1) dividing the pre-payment amount by the SEC amount, 2) multiplying the results by the surcharge modifier declared by the Board of Directors, and rounding down to the nearest whole number. The fraction remaining, if present, will be 1)

multiplied by the SEC, 2) divided by the surcharge modifier, and 3) the resulting dollar amount will be credited to the participating parcel's treated water account.

Upon any sale, conveyance, assignment, or other transfer of the parcel, excluding transfer to a spouse, immediate family member, or to a living trust for estate planning purposes established by the current property owners, the Funding Agreement will terminate and any unpaid portion of the Total Charge will be immediately due and payable in full.

10.20.14 Subdivision of a Participating Parcel

Upon the subdivision of a participating parcel, the District will assign the existing treated water service account (including the SEC) to one of the newly created parcels or units. All other parcels or units created by the subdivision will be subject to the District Installed Waterline Reimbursement Policy when applying for a new service.

10.20.15 Reimbursement

The District will collect the proportionate share of the DFWLE cost as reimbursement from any parcel that did not execute a Funding Agreement as a condition of connection to the DFWLE pipeline. These parcels will be subject to the District Installed Waterline Reimbursement Policy #3175. The District will not collect reimbursement from non-participating parcels that have been granted a temporary service location (TSL). (Reference is made to the District's TSL policy.)

Eff. 11/13/13, Rev. 03/12/14

SECTION 11

RAW WATER SYSTEM EXTENSIONS

11.01 GENERAL

11.01.01 Supplemental Definitions

(a) Extension. Includes any raw water system extensions, enlargements or improvements necessary to transport, store and/or deliver raw water. These improvements may include, but are not limited to, canals, ditches, pipelines, measuring and regulatory structures, pump stations, regulatory reservoirs and other necessary appurtenances.

(b) Developer. Any person desiring raw water service from the District, which service cannot be provided without an extension.

11.01.02 Purpose

The purpose of these Regulations are to provide for the orderly development and extension of the District's raw water system, to allow a means for developers to obtain some reimbursement for cost incurred in expanding the District's raw water system and to provide a method of compensating the District for added operation and maintenance costs.

11.01.03 Extension Review

Prior to approval of an extension of District's raw water system which will serve, or is contemplated in the future to serve, four or more parcels, a District review will be completed. This review, financed by the developer, will determine if it is in the best interests of the District to own and maintain the extension, and whether it will also be necessary for the developer to expand a portion of the existing District's raw water system, in order to provide raw water to the parcels desiring service.

11.02**PRIVATELY OWNED**

If after review it is determined that the extension is to remain in private ownership, the developer must make satisfactory arrangements with the District to assure that the extension is operated and maintained in an efficient manner.

The developer will also be required to submit to the District sufficiently developed plans on his proposed extension to determine if the extension will affect the operation or maintenance of the District's raw water system. If, in the opinion of the District, a conflict exists, the extension plans must be modified to District satisfaction. No water service will be allowed until a District field check confirms that the approved plans have been followed in constructing the extension.

It is the responsibility of the owner to operate and maintain the private extension at no cost to the District. Users who waste water, either willfully, carelessly, or due to defective or inadequate private extensions, may be refused services until the conditions are remedied. The District will not maintain private extensions, but may make emergency repairs at the expense of the owner. The District shall have access to the private extension in order to ensure compliance with these Regulations.

11.03**DISTRICT OWNED**

If the review determines that it would be in the best interest of the District to own the extension, the developer will be notified of this decision and will be required to follow the remaining portion of these Regulations.

Except as otherwise noted in these Regulations, all costs related to expanding and extending the District's raw water system to serve water to the developer's property are to be at the sole cost of the developer.

11.03.01 Capacity

All new extensions will have a minimum capacity of 5 cubic feet per second. The actual size of any new extension will be determined by the District based on design considerations and master planning determinations.

11.03.02 Other Design Considerations

The extension will be designed in accordance with District specifications. These specifications will include requirements for earth compaction, side slope stability, maximum allowed velocities, canal freeboards, berm widths and permissive radius curves and other details necessary to minimize operation and maintenance problems. The District will be the sole judge in determining the need for piped and lined sections of the extension, as well as other related structures.

11.03.03 Letter of Agreement

A letter of agreement between the District and the developer will be signed prior to review of the developer's plans. The letter of agreement will outline the procedure to be followed in allowing the developer to construct the extension. The developer must have the plans and specifications prepared by a licensed civil engineer. The plans and specifications must meet the District's approval. The developer will also provide a licensed civil engineer to act as the project engineer during the construction phase.

11.03.04 Plan Check and Inspection Fee

Plan check and inspection fees and deposits are stipulated in Section 10.03.02.

11.03.05 Conveyance Agreement

Upon written approval of the plans and specifications for the proposed extension, the developer must enter into an agreement with the District, which will ensure the District that construction of the extension will be in accordance with the District approved plans and specifications and to insure the conveyance of the extension to the District after its completion. Standard provisions covering a labor and material bond, maintenance bond, insurance and other requirements are

shown in Form 10-A. Special provisions may also be added to the agreement, as found necessary by the District.

11.03.06 Performance Guarantee

The District may require the developer to furnish, prior to the start of construction, a performance guarantee as discussed in Section 10.03.04.

11.03.07 Construction

The extension must be constructed by a Class A California Contractor retained by the developer. The District Engineer, or his representative, will inspect the work for compliance with the approved plans, specifications and District standards.

The developer will assume the cost of engineering and inspection services.

11.03.08 District Acceptance

Upon completion of construction and compliance with all the terms and conditions of the conveyance agreement, and payment of all District plan check and inspection costs, the District will accept conveyance and title of the extension. The District will then own, operate, maintain, repair and replace the improvements, except as specified during the maintenance warranty period. Upon District acceptance of the extension, the developer may apply for water service.

11.03.09 Operation and Maintenance Considerations

If, at the time the extension review takes place, it is determined by the District that the District could not justify absorbing the additional operation and maintenance costs incurred because of the extension, arrangements to the District's satisfaction must be made so that customers from the extension would pay not only the standard water rates, but also an incremental charge based on actual operation and maintenance cost of the extension. These arrangements may include formation of an improvement district formed in compliance with Section 23600 of the California Water Code, or special district that the District may legally contract with, to enable the District to

be reimbursed for extension operation and maintenance costs. Final arrangements will be spelled out in the conveyance agreement.

eff. 6/11/03

11.03.10 District Financial Participation

The developer may request, prior to consummation of a conveyance agreement, that the District participate financially for any portion of extension upsizing required by the District for future needs as opposed to developer's needs. In the case of an extension, a capacity less than 5 cubic feet per second, as discussed in Section 11.03.01, will not be considered adequate for the developer's needs.

Final determination of District participation will be made by the Board after review of the financial priorities of the District and included in the conveyance agreement.

11.03.11 Front Footage Reimbursement

The District will collect a front footage charge, where applicable, before granting a water service to premises which lie along, and may be served directly from, any extension installed under the provisions of these Regulations. The front footage charge of an extension shall be in effect for a period of twenty years from the date of execution of the agreement between the applicant and the District.

The front footage charge shall not be applied more than once to any premises. Except for unusual conditions, premises already served at the date of installation of the extension will be excluded in determining the front footage charge, even though service may be made from the extension. The front footage charge will be determined by dividing the cost of the extension by the front footage of all premises which lie along and may be served directly from the extension. The cost of the extension shall be considered to be the Developer's out-of-pocket expenses directly and solely related to the installation of the extension, as determined by the District. The Developer's on-site improvements will be excluded from the cost of the extension.

rev. 8/22/06

SECTION 12

INTERFERENCE WITH DISTRICT FACILITIES

12.01 UNLAWFUL ACTS

For the protection of public water supplies, many offenses are by State Law made misdemeanors for which the offender may be criminally prosecuted. Attention is called to the following section of the Penal Code, making it illegal to interfere with or take water from any District conduit, without permission of the District, or to dump rubbish, filth, or any substance into a District conduit.

Section 498 — Stealing water, taking water without authority, or making unauthorized connections.

Section 625 — Taking water after works have been closed or meter sealed.

Section 592 and 627 — Interference with pipelines or conduits.

Section 607 — Injuring tanks, flumes, reservoirs, etc.

Section 624 — Breaking, cutting or obstructing pipes, etc.

12.02 ABATEMENT OF NUISANCE

No material affecting the quality of water shall be placed, dumped or be permitted to drain into a District conduit or reservoir. Obstructing the flow of water, scattering of noxious weeds, plants or grasses where it can roll, slide, flow, be washed or blown into a District conduit or reservoir is prohibited. All septic tanks, leach lines and structures must meet county conduit setback and

- Maintain historic watershed flows within the parent watershed
- Eliminate direct, and minimize indirect contributions by requiring land developers to route storm water away from the District's facilities
- Reduce direct and indirect contributions by providing the appropriate infrastructure to prevent storm water infiltration into District facilities.
- Advocate development authorities at cities and counties to establish guidelines to insure that development improvements located upslope and downslope of District facilities be located, designed and constructed to accommodate high storm water flows and to avoid discharge into District facilities or minimize impacts from storm water to District facilities.

Existing developments requesting improvements will have current drainage impacts on District facilities reviewed, and may require improvements to protect existing District facilities. When existing storm water issues are identified, the District will remove or cause modifications of storm water routing to eliminate those impacts.

Eff. 1/28/2015

SECTION 13

ACCESS, RIGHT-OF-WAY AND PROPERTY MANAGEMENT

13.01 SUPPLEMENTAL DEFINITIONS

13.01.01 Private Road

Any road which does not fall under the jurisdiction of a public entity.

13.01.02 Road Maintenance

Any work which entails the improvement of the drainage system and/or improvement in the traveling surface of the road.

13.01.03 Prescriptive Easement

The rights adhering to the District due to open, continuous and notorious use of land for a period of longer than five years, prior to 1972.

eff. 6/11/03

13.01.04 Spill Channels

Usually natural drains utilized by the District to spill waters from raw water facilities on a routine and/or emergency basis.

13.02 ACCESS TO FACILITIES AND LAND

13.02.01 District Access

By applying for or receiving water service from the District, each water user irrevocably licenses the District and its authorized employees and agents to ingress and egress over and across water user's lands by means of roads and lanes thereon, if available, otherwise by such route or routes as shall cause the least practicable damage and inconvenience to the water user. Such right of ingress and egress shall not extend to any portion of said lands which is isolated from District

facilities by any public road or highway now crossing or hereafter crossing said lands. If any portion of said lands is or shall be subdivided and dedicated roads or highways or such portion extends to District facilities, the right of ingress and egress on said portion shall be confined to such dedicated roads and highways. This right shall be for the purpose of inspection, examination, measurements, surveys or other necessary purposes of the District, with the right of installation, maintenance, repair, replacing, control and regulation of all meter, measuring devices, gates, turnouts, canals, pipelines or other structures necessary or proper for the transportation, distribution, storage or measurement of water. Means of access shall be by foot, vehicles and equipment operated or under the control of the District.

13.02.02 Private Facilities

District employees and representatives of the federal, state and local authorities shall have the right of ingress and egress of the customer's premises at reasonable hours for any purpose reasonably related to the furnishing of water service and the exercise of any and all rights secured to it by law, or these Regulations, including inspection of the water user's piping and equipment as to compliance. The water user shall provide and maintain reasonable access to all such equipment.

13.02.03 Land Surveys

Pursuant to Government Code Section 22229, District employees shall have the right to enter upon any land to make surveys and determine the location of any facility thereon and for surveys and investigation of soil conditions prior to the commencement of property acquisition.

13.03 PRESCRIPTIVE EASEMENTS

The District has, through operation of its system and long continued use, acquired certain property rights in lands within the District. These rights normally pertain to the use of canals, ditches, water lines and roads, which usage has been developed over a substantial period of time.

13.04 SPILL CHANNELS

The District has the right to utilize natural watercourses, ravines, and randoms, for the transmission of District controlled water, or for use for spillage or excess of storm water runoff.

The use of such natural watercourses can take place at any time and without notice to the affected property owners. No construction should take place within the bed or banks of a natural watercourse or random without determining the extent and frequency of District use of said watercourse, if any.

13.05 PRIVATE ROADS

13.05.01 Routine Use

The District shall not provide road maintenance on private roads except as required for District vehicles and equipment which may use the road on a routine basis for ingress and egress purposes. Road maintenance by District shall be limited to that required to keep it in a usable condition for District use only.

13.05.02 Specific Damage

When specific, identifiable damage is done to a private road by District's vehicles or equipment, the District shall restore the road to an equal condition as existed on the day prior to being damaged.

13.05.03 District Contribution

Any request for District participation to the cost of maintaining private roads must be made in writing and directed to the General Manager. The written request must contain information as to the road mileage involved, type of surface to be maintained, and the amount being requested from the District. Upon approval of the General Manager to contribute towards the road maintenance, the following formula will be used to compute the District's participation. The mileage shall be based on the preceding year's usage. The formula shall be reviewed every 5 years.

$$\begin{aligned} &\text{Miles per trip} \times \text{trips per day} \times \text{number of days per year} = \\ &\text{Mileage per year} \times 10 \text{ cents} = \text{District Contribution} \end{aligned}$$

$$\text{Minimum} = \$50.00 \quad \text{Maximum} = \$300.00$$

eff. 6/25/97; rev. 6/11/03

13.05.04 Right-of-Way Agreements

Nothing in these Regulations shall supercede or contradict any responsibilities of the District regarding maintenance of private roads which have been set forth in valid right-of-way agreements.

13.06 DISTRICT ROADS

Any roadway within a District easement, even though the roadway may be used by others, shall be maintained only to a condition as required for the District's use. In the event that these roads may be upgraded by other parties for their use, the District will not be responsible for damages to this road surface by District vehicles or equipment. Restoration of the road surface shall be at the sole discretion of the District for the use of District equipment and vehicles.

13.07 QUITCLAIMS

Parcels of land can be encumbered with easements granted the District which contain no facilities. Application may be made to the District on Form 13-A to quitclaim an easement back to the landowner.

A non-refundable fee of \$250.00 is due at the time of application. The District will review the application, and if approved, will process a quitclaim deed. Prior to recording the deed at the appropriate county clerk's office, the applicant must pay the recording fee.

eff. 12/12/90; rev. 6/11/03, 10/27/10

13.08 EASEMENTS ON DISTRICT LANDS

Procedures for applying for easements on District lands is the same as outlined in Section 13.07. In addition to the non-refundable fee of \$250.00, a payment for the value of the easement, as determined by the District will be required.

eff. 12/12/90

13.09

ABANDONMENT OF RAW WATER FACILITIES

13.09.01 General

The following regulations are to be followed by the District when considering raw water facility abandonments.

Abandonments are normally considered for facilities where operation costs greatly exceed revenue due to use by a limited number of customers, relocation of new facilities, and for facilities in urbanizing areas. Facilities in the second category are associated with problems involving water quality degradation, seepage, maintenance and public safety if open canal sections exist.

eff. 6/11/03

13.09.02 Resolution of Intention to Abandon

A proposed resolution will be prepared and made available for public review, along with related documents or studies pertaining to the abandonment. A public hearing will be held pursuant to District procedures to consider adoption of the resolution. A fourteen day minimum notification period for the hearing will be required. All current District customers receiving water service from the affected facility will also be notified by direct mailing of the hearing date. The Board, at the hearing, shall consider all the evidence presented, along with any necessary environmental documentation. If the Board determines at the hearing that the facility should be abandoned, it will adopt the resolution.

eff. 6/11/03

13.09.03 Resolution of Facility Abandonment

After all necessary modifications, replumbings and other related work necessary to allow abandonment of the facility is completed, the Board will consider adopting this resolution, which will declare the abandonment of the facility and all related unneeded easements. The resolution will be recorded with the appropriate County Clerk.

eff. 6/11/03

13.09.04 Current Customers

The District, at no initial cost to the customer, will provide all current inside District customers on the facility to be abandoned, an alternate water supply in a manner as determined by the District. Future operation and maintenance costs associated with private facilities necessary for the new water supply plus water charges, if any, will be the financial responsibility of the customer. In cases where a treated water supply is provided in place of the raw water supply, the customer may elect the option of being charged on the same raw water rate schedule in effect prior to the facility abandonment with no increase in water deliveries allowed. This option will terminate two years after the resolution of facility abandonment is adopted, and the customer will then be charged the appropriate treated water rate.

eff. 6/28/89; rev. 6/11/03

SECTION 14

PHYSICAL ENCROACHMENTS TO DISTRICT FACILITIES

14.01 SUPPLEMENTAL DEFINITIONS

14.01.01 Physical Encroachments

Includes, but is not limited to, structures such as buildings, bridges, culverts, fences, pipelines, underground or overhead wires, roads, landscaping, which either cross, or lie within District rights of ways, or which become so close or near to District rights of ways, as to unreasonably interfere or potentially interfere with the District's operation of its facilities or with necessary improvements or reconstruction of its facilities.

eff. 2/26/86

14.01.02 Authorization

Authorization for encroachment construction issued by the General Manager allowing the construction of a physical encroachment subject to the terms and provisions of the authorization.

eff. 6/11/03

14.01.03 Encroachment Permit

A permit issued by the General Manager authorizing the existence of a permanent physical encroachment, subject to the terms and provisions of the permit.

eff. 6/11/03

14.01.04 Permittee

Any person issued an encroachment permit by District.

14.01.05 Unauthorized Physical Encroachment

A physical encroachment for which an encroachment permit or authorization has not been issued.

14.02 AUTHORIZATION

14.02.01 Preconstruction Requirements

Prior to the construction or installation of any physical encroachment, the person causing the construction, or installation of a physical encroachment, shall first make application to obtain authorization from the District (Form 14-A).

14.02.02 Construction Work

The construction and installation of any physical encroachment shall be performed in accordance with District approved plans and specifications and subject to the approval of the General Manager. The District reserves the right to inspect the installation or construction at any time. Applicant shall assume and pay all costs and expense of constructing and installing the physical encroachment and shall clean the area or ground in which the physical encroachment exists, in a manner satisfactory to the District. Should the applicant fail to complete construction and installation of the physical encroachment to the District's satisfaction and approval, then the District may, at its option, either complete the construction and installation of the physical encroachment, or cause the removal of the physical encroachment. Should this be necessary, the applicant shall bear all cost and expense for labor, materials, and supplies associated with such work.

eff. 6/11/03

14.02.03 Water Outage Necessary for Construction

Prior to commencing construction and installation of any physical encroachment which shall lie within, or cross over District facilities to such an extent as to cause a muddy water condition, fluctuation, or interference in any manner with the flow of water in District facilities, applicant shall request District, in writing, for an interruption in the flow of water through District facilities, commonly referred to as a "water outage." District may arrange with the applicant to provide a water outage at such time as is convenient to the District. Applicant shall provide District with at

least 10 days advance notice of his plan to construct, or install a portion of the physical encroachment within District facilities causing the interruption, or interference with water flow, so that the District may plan for an outage. If, in the District's opinion, the outage will cause a significant cost to the District, the applicant will be required to pay such costs.

14.03 ENCROACHMENT PERMITS

14.03.01 Issuance

The General Manager may issue an encroachment permit following the construction and installation of a physical encroachment, all in conformance with the terms and provisions of the authorization. The encroachment permit shall provide for the existence of the physical encroachment subject to the conditions, terms and provisions set forth in the permit and the Regulations of the District. See Form 14-B.

eff. 6/11/03

14.03.02 Maintenance of Physical Encroachment

It shall be the applicant, or permittee's obligation to maintain, repair, operate and replace the physical encroachment at all times at said applicant's, or permittee's sole cost and expense. All maintenance, operation, repair and replacement work performed upon the physical encroachment shall be conducted in a manner and to a condition satisfactory to the General Manager. If, in District's sole discretion, improvements, expansion or reconstruction of District facilities is required, the permittee, at permittee's sole expense shall be required to improve, reconstruct or remove the encroachment facilities as required to permit the performance of the District work. Should the permittee neglect, fail to promptly make repairs, or perform maintenance at permittee's sole cost, District may make such repairs, or replacement, or perform such maintenance as is necessary, or remove the physical encroachment and the cost shall be paid by the permittee.

eff. 2/26/86; rev. 6/11/03

14.03.03 Revocation

District may revoke or cancel the encroachment permit upon giving notice to permittee of District's intent to cancel, or revoke the permit and upon giving the permittee an opportunity to be

In addition, in cases where the owner of an unauthorized culvert refuses to remove the unauthorized obstacle, or does not respond to the District's Notice, and, in the opinion of the General Manager, removal of the culvert is not practical, the District shall remove and replace the culvert in accordance with District Standards at the owner's sole cost and expense; in that case, the District shall send a bill for material, equipment and services to the owner of the encroachment.

eff. 2/26/86, rev. 5/23/07

14.04.02 Immediate Threat to District Facilities

Should the District determine that the unauthorized physical encroachment is an immediate threat to the safe operation of District facilities, the District shall exercise due diligence to determine the owner of the unauthorized physical encroachment and upon making such determination, District shall exercise due diligence to notify the owner to immediately cause the removal of the unauthorized physical encroachment. Should the District determine that the owner of the unauthorized physical encroachment refuses to remove such encroachment, then the District may assess a penalty charge to be levied against the owner of the encroachment and the District may either remove, or cause the removal of the unauthorized physical encroachment, at the sole cost and expense of its owner. Should District be unable to notify owner of the need to immediately remove, or cause the removal of the unauthorized physical encroachment, District may remove, or cause the removal of the unauthorized physical encroachment, at the sole cost and expense of owner.

eff. 2/26/86; rev. 6/11/03

14.05

DOCKS

14.05.01 Scope

This subsection applies only to the construction and maintenance of docks on District property by persons having pre-existing rights under deeds or contracts to which the District is a party, or persons applying under dock authorization programs approved by resolution of the Board of Directors. If the deed, contract or program which authorizes a dock on District property requires public access, the permittee must allow such access (as specified in the permit); however, the issuance of a dock encroachment permit, Form 14-D, does not confer any right to conduct commercial activities on District property. All dock encroachment permits shall be subject to the District's rights and powers to operate its dams and reservoirs for District purposes, including the right to draw down the water level below dock elevations. Permittees must comply with all applicable federal, state and local laws, regulations and ordinances. The adoption of these regulations does not constitute an acknowledgement by the District that any particular persons or lands have right to construct and maintain docks on District property.

eff. 3/10/93; rev. 8/13/03

14.05.02 Supplement to General Encroachment Regulations

The provisions contained herein are intended to supplement the general physical encroachment regulations of the District to provide specialized requirements with respect to docks to be allowed on District property. Therefore, the provisions contained herein shall prevail over any inconsistent provisions in the general physical encroachment regulations.

eff. 3/10/93; rev. 8/13/03

14.05.03 Application Requirements

(a) An application for a dock permit shall at a minimum include the following:
Completed dock Encroachment Permit Application Form 14-C; the submittals to accompany this Application shall be as follows:

(b) A site plan indicating the proposed location of the dock/gangway and dock approach, and an elevation sketch that depicts the visual appearance of the dock;

(c) Plans and specifications for the dock, gangway and associated facilities, including a description of the method of securing them in-place, and proof of engineering satisfactory to the District including standard commercial products designed for and commonly used in this application;

(d) A list of material types to be used in the dock, gangway and associated facilities.

(e) If the application is made under a program approved by the Board of Directors to issue permits for existing docks, it shall include photographs of the existing dock/gangway, and construction details including a list of materials used;

(f) Evidence of proper insurance coverage; and

(g) Application fee.

eff. 8/13/03; rev. 4/14/04

14.05.04 Requirements for Dock Location, Design and Installation

(a) Dock Location and Capacity. Docks will be permitted only for those parcels in existence at the time of board resolution and regulation adoption, and adjoining the District's lakeside property and shall be located adjacent to the parcel served. Only one (1) dock will be permitted for each such parcel. Upon approval of the District, combined docks may be constructed to serve multiple parcels. The docks shall be designed, constructed and operated to accommodate no more than two (2) watercraft for each parcel served. The Board of Directors may specify supplemental dock criteria when adopting a resolution authorizing docks on a particular reservoir.

(b) Dock/Gangway Dimensions. In each area where docks are permitted, the District, after consultation with the appropriate safety authorities, shall establish the limit lines, not to exceed forty (40) feet from the high water line/spillway elevation, on the maximum intrusion of docks into the reservoir. Docks shall be designed in such a fashion as not to exceed the limit lines established by the District. The maximum area occupied by individual docks shall not exceed three hundred twenty (320) square feet including the slip area between fingers, and any ramps for

personal watercraft. The maximum dimension (length or width) shall be twenty-four feet. Gangways shall be construction with a minimum width of thirty-six (36) inches and a maximum length of twenty (20) feet. The Board may allow variances from the limit lines and gangway lengths upon a finding that the proposed variance is not contrary to the best interests of the District.

(c) Materials.

Structural: The main support structure for Docks/Gangways shall be constructed with an aluminum frame or other material as approved by the District.

Decking: Decking material for Docks/Gangways shall consist of one or more of the following:

Aluminum with ribbed, knurled, sand blasted surface

Trex wood-polymer composite decking (wood fibers and plastic)

Timber-tech composite decking (recycled wood and synthetic materials)

PVC vinyl extruded decking (polyvinyl material)

Or equal as may be approved by District

Coatings: Paints, preservatives and other materials shall be compatible with the aquatic environment.

Flotation: Only floating docks will be permitted. Polystyrene foam filled polyethylene, aluminum tubs or equivalent shall be used for floatation.

Mooring: All materials used in mooring docks, gangways and associated facilities shall be approved by the District.

(d) Licensed Contractor. The docks, gangways and associated facilities shall be installed by properly licensed contractors in accordance with District approved plans and specifications.

(e) Structures and Appurtenances. Dock Whips, Safety Ladders and Personal Watercraft Docks shall not be constructed without District approval. No permanent structures, gazebos or swim slides will be allowed.

(f) Identification. Each dock shall be equipped with a metal plate readily visible from the lake, for placement of an identification tag issued by the District.

(g) Variances. If the application is made under a program approved by the Board of Directors to issue permits for existing docks, the Board may allow variances from the foregoing requirements for dock location, design and installation.

eff. 8/13/03; rev. 4/14/04

14.05.05 Safe Siting

The District reserves the right to deny an application for a dock encroachment permit if the District determines, in its sole discretion, that the proposed dock will pose an unreasonable risk of injury, death or property damage to members of the public lawfully using the reservoir; or will be inconsistent with the proper operation of the reservoir including but not limited to its operation for recreational purposes.

The District may require permit holders to provide and maintain appropriate signs, marker buoys, log booms and other safety features (herein “associated facilities”) to reduce the risk of injury, death or property damage in connection with the permit holders’ docks.

eff. 8/13/03; rev. 4/14/04

14.05.06 Other Approvals

If the applicant requests a permit for construction of a dock or gangway not in compliance with material or specifications as stated in Section 14.05 the applicant shall be responsible for preparing documentation and supplying information sufficient to comply with the California Environmental Quality Act. The applicant shall be responsible for paying any/all fees of any reviewing agencies. To the extent, if any, that other agencies have jurisdiction to approve or disapprove the construction of the proposed dock, the applicant shall be responsible for compliance with their requirements.

eff. 8/13/03

14.05.07 Insurance

Each dock encroachment permit holder shall at all times maintain liability insurance coverage covering any dock, gangway and associated facilities so permitted. Such insurance shall contain the following coverage:

(a) Minimum \$500,000 for individual docks serving individual parcels.

(b) Minimum \$500,000 each parcel under separate ownership for joint-use docks serving separately owned parcels.

(c) Minimum \$1,000,000 for docks serving multiple parcels under the same ownership.

The District reserves the right to require coverage commensurate with increases in cost-of-living indices from time to time. The District and any lessee or concessionaire on the reservoir shall be named as additional insureds on any such policy. The permit holder shall deliver to the District a certificate of insurance verifying the required coverage.

eff. 8/13/03; rev. 4/14/04

14.05.08 Reservoir Use Fees

If the dock is constructed on a reservoir which is managed by the District, or a lessee or concessionaire, watercraft owners or operators using the reservoir shall pay the same amount as the Season Pass per slip (i.e., per watercraft) as charged by the District, a lessee or concessionaire for other watercraft using the reservoir. The watercraft owners shall not be subject to mooring fees unless using the mooring facilities of the District, a lessee or concessionaire. The Season Pass Fee shall be due and payable at the beginning of each calendar year.

eff. 8/13/03

14.05.09 Fees

The District will establish from time to time reasonable application fees, permit fees and renewal fees for docks subject to these regulations, which shall be the responsibility of the applicant/dock owner to pay.

eff. 8/13/03

14.05.10 Revocation of Permit

Dock encroachment permits may be revoked only for good cause, and after notice and opportunity to be heard, as provided in Section 14.03.03. Good cause shall mean a failure or refusal to correct violation of the requirements of this subsection and any applicable requirements of Section 14 within a reasonable time after notice of violation. Good cause shall also mean the existence of conditions creating unreasonable risk of injury, death, or property damage to members of the public lawfully using the reservoir, which conditions cannot otherwise reasonably be mitigated.

Upon revocation of a dock encroachment permit, the dock, gangway and associated facilities shall be treated as an unauthorized encroachment subject to the removal provisions of Section 14.04.

eff. 12/9/92; rev. 8/13/03; rev. 4/14/04

APPENDIX A

2015
INDEX TO SCHEDULES

<u>PAGE NO</u>	<u>SCHEDULE NO</u>	<u>DESCRIPTION</u>
1 & 2	-	Index to schedules.
3 & 4	<u>4-A</u>	Treated water system, standby charges and connection fees.
5	<u>4-B</u>	Miscellaneous meter service charges.
6	<u>4-E & 4-F</u>	Water rates covering treated water meeting State Health standards, utilized for noncommercial and commercial purposes.
7	<u>4-G</u>	Water rates covering Auburn Greens residential condominium units.
8	<u>4-H</u>	Tank or temporary construction water service.
9	<u>4-I</u>	Off-rate charges for Treated Water Systems.
10	<u>5-B</u>	Raw water service outlet, installation charges.
11	<u>5-C</u>	Raw water service outlet, periodic charges.
12	<u>5-D</u>	Water rates for raw water utilized inside District on an annual basis.
13	<u>5-F</u>	Water rates for raw water utilized in Smartville on an annual basis through a metered connection.
14	<u>5-G & 5-H</u>	Water rates for seasonal raw water utilized inside District and seasonal raw water utilized outside District
15	<u>5-I</u>	Water rates for raw water utilized on a demand basis.
15	<u>5-J</u>	Water rates for raw water utilized during fall season.
15	<u>5-K</u>	Water rates for intermittent flow raw water.
16	<u>5-L</u>	Energy pumping cost for raw water served from Magnolia #3 Pump System.
116	<u>5-M</u>	Energy pumping cost for raw water served from Edgewood Pump System.
17	<u>5-R</u>	Municipal Water Rates, inside & outside district.

INDEX TO SCHEDULES (continued)

<u>PAGE NO</u>	<u>SCHEDULE NO</u>	<u>DESCRIPTION</u>
18	<u>6-A</u>	Miscellaneous charges, rendering and payments of bills.
18	<u>7-A</u>	Special service call.
19	<u>8-A</u>	Charges related to public fire hydrants on treated water systems.
20	<u>8-B</u>	Private fire services on treated water systems, installation charges.
21	<u>8-C</u>	Private fire service, with detector check, on treated water systems, bimonthly charges.
21	<u>8-D</u>	Private fire service, with double detector check on treated water systems, bimonthly charges.
22 & 23	<u>9-A</u>	Backflow prevention requirements.
24	<u>9-B</u>	Backflow prevention devices, installation charges.
25	<u>9-C</u>	Backflow prevention devices, bimonthly charges for double check valve assembly.
25	<u>9-D</u>	Backflow prevention devices, bimonthly charges for reduced pressure principle device.
26	<u>10-A</u>	District constructed mainline extensions, installation charges.
27	<u>10-B</u>	TSL Treated Water Main Contributions
28	<u>12-A</u>	Penalties for unauthorized taking of water.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-A
EFFECTIVE APRIL 1, 2015

**TREATED WATER SYSTEM
STANDBY CHARGES AND CONNECTION FEES**

STANDBY CHARGES - \$6.00 per month for each parcel.

CONNECTION FEES 1/ Single family residence, commercial, industrial, and municipal.

****DROP-IN TO AN EXISTING METER BOX AND WATER SERVICE LATERAL****

----- Capacity Charge -----

<u>Meter Size</u>	<u>Max Rated Capacity</u>	<u>Installation Charge</u>	<u>Parcels in District Prior to 3/1/07</u>	<u>Parcels Annexed to District after 3/1/07</u>
5/8"	20 gpm	581.00	\$9,516.00	\$12,762.00
3/4"	30 gpm	614.00	13,703.00	18,377.00
1"	50 gpm	654.00	24,360.00	32,672.00
1 ½"	100 gpm	893.00	54,810.00	73,511.00
2"	160 gpm	1,071.00	97,440.00	130,686.00
Over 2"			DETERMINED BY DISTRICT	

****INSTALLATION REQUIRING TAP TO WATER MAIN****

----- Capacity Charge -----

<u>Meter Size</u>	<u>Max Rated Capacity</u>	<u>Installation Charge</u>	<u>Parcels in District Prior to 3/1/07</u>	<u>Parcels Annexed to District after 3/1/07</u>
5/8"	20 gpm	\$1,553.00	\$9,516.00	\$12,762.00
3/4"	30 gpm	1,589.00	13,703.00	18,377.00
1"	50 gpm	1,636.00	24,360.00	32,672.00
1 ½"	100 gpm	2,831.00	54,810.00	73,511.00
2"	160 gpm	4,025.00	97,440.00	130,686.00
Over 2"			DETERMINED BY DISTRICT	

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-A
EFFECTIVE JANUARY 1, 2015

TREATED WATER SYSTEM CONNECTION FEES – CONTINUED

MULTI-UNIT 2/ RESIDENTIAL DEVELOPMENT for which a master meter is required.

<u>Meter Size</u>	<u>Connection Fees</u>
5/8"	\$ 581.00 + unit charge/unit
3/4"	614.00 + unit charge/unit
1"	654.00 + unit charge/unit
1 ½"	893.00 + unit charge/unit
2"	1,071.00 + unit charge/unit
over 2	Actual cost of installation plus unit charge/unit

<u>Type Development</u>	<u>Unit</u>	<u>Unit charge</u>
Mobile Home Park	Pad	\$ 3,325.00
Apartments	Dwelling	4,658.00
Senior Apartments 3/	Dwelling	1,981.00
Motels, Hotels	Dwelling	2,178.00
Campgrounds	Pad	3,680.00
Hospitals	Licensed Bed	3,567.00
Convalescent Hospitals & Resthomes:		
Skilled nursing	Licensed Bed	2,109.00
Board and care	Licensed Bed	1,135.00

- 1/ Varies with type of development
 2/ Multi unit is defined as three or more.
 3/ Proof must be provided that apartments are being developed under county ordinances relating to senior apartments or senior independent living centers.

ABANDONMENT OF AN EXISTING SERVICE

Customer requesting new meter installation at a location other than existing box and curb stop will be charged an abandonment fee of \$343.05. Existing box and curb stop will be removed and the area backfilled. Customer will be responsible for re-vegetation or landscaping.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-B
EFFECTIVE JANUARY 1, 2015

MISCELLANEOUS METER SERVICE CHARGES

TESTING

METER SIZE

DEPOSIT

5/8" TO 3/4"
1" AND ABOVE

\$15.00
DETERMINED BY DISTRICT

UPSIZING/DOWNSIZING

An extra \$40.00 will be charged to cover labor costs as discussed in Sections 4.07.01 and 4.07.02.

RELOCATING

Meter relocations meeting the conditions set forth in Section 4.07.03 (a) (not requiring a new tap to the water main nor other extra ordinary effort) will be accomplished at the rate indicated under "Drop-In to an Existing Meter Box" schedule.

Meter relocations meeting the conditions set forth in Section 4.07.03 (b) (requiring a new tap on the water main) will be accomplished at the rate indicated under "Installation Requiring Tap to Water Main" schedule.

Customer requesting meter relocation will be charged an abandonment fee of \$343.05. The existing box and curb stop will be removed and the area backfilled. Customer will be responsible for re-vegetation or landscaping.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-EI & 4-FI
EFFECTIVE JANUARY 1, 2015

NONCOMMERCIAL / COMMERCIAL, INSIDE DISTRICT

Charges for treated water meeting state health standards, delivered through a metered connection.

Service Size:	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
Minimum Bi-Monthly Rate:	41.69	62.54	104.23	208.47	333.55	625.40	1,042.34	2,084.68	3,335.50

USAGE RATES: (\$ per hundred cubic feet (hcf) per billing period)

First	10 hcf per billing period	1.72 per hcf
Over	10 hcf per billing period	2.22 per hcf

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-EO & 4-FO
EFFECTIVE JANUARY 1, 2015

NONCOMMERCIAL / COMMERCIAL, OUTSIDE DISTRICT

Charges for treated water meeting state health standards, delivered through a metered connection.

Service Size:	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
Minimum Bi-Monthly Rate:	52.11	78.18	137.70	260.59	416.94	781.75	1,302.93	2,605.85	4,169.36

USAGE RATES: (\$ per hundred cubic feet (hcf) per billing period)

First	10 hcf per billing period	2.15 per hcf
Over	10 hcf per billing period	2.79 per hcf

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-G
EFFECTIVE JANUARY 1, 2015

RESIDENTIAL CONDOMINIUM, INSIDE DISTRICT

Charges for treated water meeting state health standards, delivered through a metered connection to existing Auburn Greens residential condominium units.

MINIMUM BI-MONTHLY RATE: \$41.69

USAGE RATES: ** (\$ per hundred cubic feet (hcf) per billing period)

First	* 40 hcf per billing period	.43 per hcf
Over	40 hcf per billing period	.56 per hcf

*10 hcf per unit

** 1/4 of non-commercial usage rate

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-H
EFFECTIVE JANUARY 1, 2014

**TANK OR TEMPORARY CONSTRUCTION WATER SERVICE
FROM AN OPEN CANAL AND/OR FIRE HYDRANT**

GENERAL

- 1) The application charge of \$100.00 is nonrefundable.
- 2) The minimum monthly charge shall be \$85.00.
- 3) Applicants who do not turn in tank tally sheets and/or meter readings by the 10th of each month, for the previous month's usage, will be billed at two (2) times the minimum monthly charge or the estimated usage. Billing under this schedule shall not create a credit for future delivery of water.
- 4) This class of water is not to be used for domestic purposes except in an emergency situation as determined by Nevada Irrigation District.

TREATED WATER

- 1) Application will automatically be terminated at end of calendar year.
- 2) A deposit of \$900.00 will be collected for the meter and wrench assembly and is refundable after the water used is paid in full, the hydrant has been inspected to determine that no damage has occurred, the meter and fire hydrant wrench have been returned undamaged and all damages to District facilities have been paid in full. Any default on the conditions of the application will result in forfeiture of the deposit.
- 3) Treated water will be billed at 2.5 times the rate shown in Schedule 4-EI.
- 4) Meter readings shall be turned into the District office at the first of each month.
- 5) The minimum monthly charge or the monthly billing for water usage, whichever is greater, will be levied until the meter is returned.
- 6) Applicant will be responsible for backflow prevention as shown in Schedule 9-A.

RAW WATER

- 1) Application will terminate at the end of each year unless requested by customer by Dec 10.
- 2) Raw water will be billed at twice the rate shown in Schedule 5-F.
- 3) Tank tally sheets shall be turned into the District office at the first of each month.
- 4) The minimum monthly charge or the monthly billing for water usage, whichever is greater, will be levied until District is advised in writing to close out the account.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4I
EFFECTIVE JANUARY 1, 2015

BI-MONTHLY OFF RATE CHARGES, TREATED WATER SYSTEM

4EI & 4FI RESIDENTIAL & COMMERCIAL - INSIDE DISTRICT

<u>RATE SCH</u>	<u>MTR SIZE</u>	<u>*OFF RATE</u>
1	5/8"	\$ 31.27
2	3/4"	46.91
3	1"	78.17
4	1 1/2"	156.35
5	2"	250.16
6	3"	469.05
7	4"	781.76
8	6"	1,563.51
9	8"	2,501.62

4EO & 4FO RESIDENTIAL & COMMERCIAL – OUTSIDE DISTRICT

1	5/8"	39.08
2	3/4"	58.64
3	1"	103.28
4	1 1/2"	195.44
5	2"	312.71
6	3"	586.31
7	4"	977.20
8	6"	1,954.39
9	8"	3,127.02
4-G	1"	31.27*
5-FO	all sizes	3.56

*plus usage

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-B
EFFECTIVE JANUARY 1, 2015

RAW WATER SERVICE OUTLET INSTALLATION

All raw water service connections will be made after proper application and payment is made to the District in accordance with the attached schedule for the requested service.

CANAL SERVICE BOX

<u>Service Range</u>	<u>Basic Installation charge*</u>	<u>Excess Pipe Length Charge* (Per Foot)</u>	
1/2 to 25 miners inches	\$ 1,119.00	2 Inch	\$ 5.40
<i>Relocation or upsize cost</i>	<i>690.00</i>	3 Inch	6.20
26 to 40 miners inches**	1,850.00	4 Inch	6.80
<i>Relocation cost</i>	<i>1,051.00</i>	6 Inch	9.70
Over 40 miners inches	Actual Cost	8 Inch	17.50

*Where the outlet on a canal service exceeds 20 feet in length, the applicant is charged at the indicated rate per foot for all excess footage in addition to the basic installation charge.

**The District reserves the right to utilize a different type of measuring device on these size services at a cost to be determined by the District.

ORIFICED SERVICE IN RAW WATER PIPELINE OR MANIFOLD

<u>Service Range</u>	<u>Basic Installation Charge*</u>
Amount of water available will depend on manifold pressure, using 2 inch meter flanges or Dole flow control and 2 inch gate valves and air release.	\$1,036.00
Any service requiring pipe size over 2"	Actual Cost

*In those instances where the District determines that a screening device is needed in the orificed service to prevent excessive clogging, such screening device shall be the sole cost of the customer (District Regulation 5.04.02 b).

NOTE

All raw water service connections for outside District lands are subject to additional charges per District Regulation 6.08.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-C
EFFECTIVE JANUARY 1, 2010

RAW WATER SERVICE OUTLET PERIODIC CHARGES

ACTIVE ACCOUNT (With Purchase of Water) - \$48.00 per year charge for each outlet in excess of one.

ACCOUNT CHARGE (Without Purchase of Water) - \$72.00 annual charge on all inactive raw water accounts, plus a \$66.00 annual charge for each additional outlet.

ROTATION - \$102.45 per season per outlet.

NOTE

Add 25% to all charges above for accounts serving lands outside the District (Amount rounded to the nearest dollar.)

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-D
EFFECTIVE JANUARY 1, 2015

ANNUAL RAW WATER SERVICE, INSIDE DISTRICT

Charges for raw (untreated) water sold for irrigation use on an annual basis and billed bimonthly.

MINERS INCHES:	1/4	1/2	1	1½	2	5
BIMONTHLY RATE:	174.57	196.98	216.91	236.83	256.76	600.47

NOTE

Water served pursuant to this schedule is untreated; which, if consumed or used for culinary purposes, could cause serious illness. If the water is so used, it is used at the customer's own risk.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-F
EFFECTIVE JANUARY 1, 2015

**ANNUAL RAW WATER SERVICE, OUTSIDE DISTRICT
SMARTSVILLE ONLY**

Charges for raw (untreated) water sold for irrigation use through a metered connection.

SERVICE SIZE:	5/8	3/4	1	1½	2	3	4
MINIMUM BI-MONTHLY RATE:	3.56	3.56	3.56	3.56	3.56	3.56	3.56

USAGE RATES: \$1.57 per hundred cubic feet (hcf) per billing period

NOTE

Water served pursuant to this schedule is untreated; which, if consumed or used for culinary purposes, could cause serious illness. If the water is so used, it is used at the customer's own risk.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-G
EFFECTIVE JANUARY 1, 2015

INSIDE DISTRICT SEASONAL IRRIGATION WATER

SUMMER SERVICE

\$405.73 fixed +
\$239.10 per MI

WINTER SERVICE

\$507.17 fixed +
\$298.88 per MI

- Summer service to begin on or about April 15 through October 14
- Winter service to begin on or about October 15 through April 14
- Winter service will be charged at 1.25 times the summer service rate.
- Raw water outlet service outlet periodic charges:
 - Active account (with purchase of water: \$48.00 per year charge for each outlet in excess of one
 - Account charge (without purchase of water): \$72.00 annual charge on all inactive raw water accounts, plus an additional \$72.00 charge for each additional outlet
 - Rotation: \$102.45 per season, per outlet

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-H
EFFECTIVE JANUARY 1, 2015

OUTSIDE DISTRICT SURPLUS IRRIGATION WATER

SUMMER SERVICE

\$507.17 fixed +
\$298.88 per MI

WINTER SERVICE

\$633.95 fixed +
\$373.60 per MI

- Summer service to begin on or about April 15 through October 14
- Winter service to begin on or about October 15 through April 14
- Winter service will be charged at 1.25 times the summer service rate.
- Raw water outlet service outlet periodic charges:
 - Active account (with purchase of water: \$60.00 per year charge for each outlet in excess of one
 - Account charge (without purchase of water): \$90.00 annual charge on all inactive raw water accounts, plus an additional \$90.00 charge for each additional outlet

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-I
EFFECTIVE JANUARY 1, 2015

DEMAND WATER

When available, Demand Irrigation Water may be purchased at rates equal to the following factors, times the normal Irrigation Water rate:

DEMAND (in days)	10	20	30	40	50	60	70	80	90	100
RATE FACTOR	.20	.35	.50	.65	.75	.80	.85	.90	.95	1.00

Minimum Charge: \$225.69 (.35 x 1 M.I. summer seasonal irrigation water rate)

Duration must be established upon application. All charges for demand service will be collected in advance of the start of delivery.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-J
EFFECTIVE JANUARY 1, 2015

FALL/STOCK WATER

AVAILABILITY: October 15 to December 1 to regular irrigation water customers in quantities up to the amount of the seasonal purchase

RATE: \$1.53 Per M.I. day (10 M.I. seasonal rate divided by 1830 M.I.D.)

MINIMUM CHARGE: \$225.69 (.35 X 1 M.I. Summer Seasonal Irrigation Water Rate)

All charges for fall/stock water service will be collected in advance of delivery.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-K
EFFECTIVE JANUARY 1, 2015

RAW INTERMITTENT FLOW IRRIGATION WATER

SEASON: April 15 to October 14
MINIMUM SALE: \$141.30

RATE per acre foot season: \$21.09
Outside District shall be 1.25% higher

Definition: Water belonging to District which cannot be supplemented by an auxiliary supply and in District's opinion cannot be considered a firm supply.

Determining Water Use: Sales of return intermittent flow irrigation water utilized by property owners shall be established in acre feet by District through pump ratings, sprinkler flow, actual diversions, acreage irrigated or any combination of the above methods as may be deemed appropriate to determine the amount of water to be used.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-L
EFFECTIVE JANUARY 1, 2014

ENERGY PUMPING COST – MAGNOLIA #3

Energy Pumping Cost for irrigation (raw) water served from Magnolia #3 Pump System

Cost per M.I. per season: \$288.88

Bimonthly cost for customers on continuous service:

MINERS INCHES:	1/4	1/2	1	1½	2
BI-MONTHLY RATE:	24.08	48.15	72.22	96.29	120.37

Charge will be adjusted, after the end of irrigation season, based on actual water pumped by the District and current year pumping costs.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-M
EFFECTIVE JANUARY 1, 2014

ENERGY PUMPING COST – EDGEWOOD

Energy Pumping Cost for irrigation (raw) water served from Edgewood Pumped System

Cost per M.I. per season: \$70.66

Bi-monthly cost for customers on continuous service:

MINERS INCHES:	1/4	1/2	1	1½	2
BI-MONTHLY RATE:	5.90	11.79	17.69	23.58	29.47

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-R
EFFECTIVE JANUARY 1, 2015

MUNICIPAL WATER RATES

INSIDE DISTRICT

Treated Water: \$483.52 per acre foot

Raw Water:

Placer

\$210.89 per acre foot
Plus \$405.73 fixed fee

OUTSIDE DISTRICT

Treated Water:

City of Grass Valley (Alta Hill)

\$604.40 per acre foot

City of Grass Valley @ Broadview Heights
6" Meter with Double Check Valve

\$1,347.93 min per month
Plus \$604.40 per acre foot

Raw Water

\$263.62 per acre foot

City of Grass Valley
City of Nevada City

Plus \$507.16 fixed fee
Plus \$507.16 fixed fee

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 6-A
EFFECTIVE See below

**MISCELLANEOUS CHARGES
RENDERING AND PAYMENT OF BILLS**

Duplicate of Water Statement (per billing)	\$ 2.00 (eff 9/26/84)
Turn off Notification Fee (Inside District)	10.00 (eff 9/26/84)
Turn off Notification Fee (Outside District)	12.50 (eff 9/26/84)
Outside District Security Deposit	50.00 (eff 9/26/84)
Commercial Acct Security Deposit	100.00 (eff 1/01/87)
Return Check Fee	20.00 (eff 1/01/98)
Public Utility Easement Abandonment	50.00 (eff 1/01/93)
Water Availability Letter	50.00 (eff 1/01/94)
Variance Request	175.00 (eff 1/01/94)
Encroachment Permit - County	190.00 (eff 7/01/07)
State	0.00 (eff 1/01/12)*

*Need permit only. NID is local agency and exempt from fees

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 7-A
EFFECTIVE JANUARY 1, 1998

SPECIAL SERVICE CALL

Special Service Call fee inside District:	\$ 40.00
Special Service Call fee after normal working hours:	\$ 100.00 (1/1/02)
Special Service Call fee outside District:	\$ 50.00
Special Service Call fee after normal working hours	
Outside District:	\$125.00 (1/1/02)

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-A
EFFECTIVE JANUARY 1, 2015

PUBLIC FIRE HYDRANTS ON TREATED WATER SYSTEMS

HYDRANT INSTALLATION (1)	
Concurrently with New Construction	\$6,147.00 (2)
Installed on Existing Main	8,462.00 (2)
Plus lateral charge for each foot in excess of 10 feet	51.00
HYDRANT REMOVAL AND DISCONTINUANCE OF SERVICE	1,356.00
SALVAGE CREDIT ON FIRE HYDRANT RELOCATION	402.00

- (1) Any condition which in the opinion of the District will result in an estimated installation cost of more than twenty-five percent above those charges shown in this schedule will be installed on an actual cost basis. Example conditions include connections to a water main larger than 8 inch, connection to a main located deeper than 5 feet below surface, installation in concrete, pavement, or rock.
- (2) The District will add to the basic hydrant installation fee any estimated costs related to encroachment permits including associated inspection charges as well as those costs related to any required right of ways.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-B
EFFECTIVE JANUARY 1, 2015

PRIVATE FIRE SERVICE – INSTALLATION CHARGES 1/

The District will estimate all installation costs not associated with the vault and add this amount to the vault costs indicated below. The final cost to the applicant will be the summation of these two installation costs.

VAULT INSTALLATION 2/

SIZE	DETECTOR CHECK	DOUBLE DETECTOR CHECK
-----	-----	-----
2"	\$ N/A	\$ N/A
3"	N/A	12,017.00
4"	10,698.00	13,171.00
6"	11,047.00	14,428.00
8"	12,177.00	19,507.00
10"		23,179.00

- 1/ Vault installation includes all piping and appurtenances located within the vault, as well as the meter box.

Any condition which, in the opinion of the District, will result in an estimated vault installation cost of more than twenty five percent above those charges shown in this schedule will be installed on an estimated cost basis.

Installations requiring a road boring and jacking will be completed on a time and material basis. A deposit, based on the District's anticipated maximum cost will be due from the applicant prior to installation. The final cost to the applicant will not exceed the deposit.

- 2/ A detector check is installed unless backflow protection is required, as discussed in Section 9 of the Regulations. A double detector check is installed where backflow protection is needed.

The District will add to the basic vault installation fee any estimated costs related to encroachment permits including associated inspection charges as well as those related to any required right of ways.

NOTE:

A \$100.00 fee will be collected at the time an application for a private fire service is submitted to the District. This fee will compensate the District for time spent in estimating the installation cost. The fee will be waived if applicant, pursuant to section 8.05.02 of these Regulations, utilizes a private contractor to install the service and does not request an estimate.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-C
EFFECTIVE JANUARY 1, 2015

PRIVATE FIRE SERVICE - BI-MONTHLY CHARGES

<u>SIZE</u>	<u>DETECTOR CHECK 1/</u>	
1"	\$ 5.80	
2"	-	Usage is charged at double the prevailing 4EI rate schedule
3"	-	
4"	34.00	
6"	36.20	
8"	40.10	

1/ These charges will also apply to all private services which are substandard.

NOTE: Add 25% to all charges above for accounts serving lands outside the District.

SCHEDULE OF RATE AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-D
EFFECTIVE JANUARY 1, 2015

PRIVATE FIRE SERVICE - BI-MONTHLY CHARGES

<u>SIZE</u>	<u>DOUBLE DETECTOR CHECK</u>	
2"	\$ 39.90	Usage is charged at double the prevailing 4EI rate schedule
3"	42.90	
4"	44.00	
6"	51.10	
8"	77.90	
10"	101.40	

NOTE: Add 25% to all charges above for accounts serving lands outside the District.

SCHEDULE OF RATE AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-A
EFFECTIVE: JANUARY 1, 2006

BACKFLOW PREVENTION REQUIREMENTS

Minimum requirements for backflow prevention devices for various types of potable water users are listed below. These requirements have been determined based on District and industry-wide experience of the probability of backflow occurring, taking into consideration such factors as the degree of hazard and complexity of piping associated with various types of District water customers.

The District reserves the right to install a more stringent device than listed if, in its sole judgement, the particular circumstances of that water user requires a higher degree of backflow protection. All meters serving the same parcel will be subject to the highest degree of backflow protection appropriate for that parcel. The District will determine the need for and the type of device for all classes of services not listed below.

Requirements Abbreviations

AG - Air gap separation
RP - Reduced pressure principle device
DC - Double check valve assembly
DCD - Double check detector assembly

WATER USE

REQUIREMENTS

1. Aircraft and missile plants	RP
2. Automotive plants	RP
3. Beauty Salons	DC
4. Board and care facilities, skilled nursing facilities	DC
5. Bottling plants	DC
6. Breweries	DC
7. Buildings – commercial/industrial multi-story over 50' in elevation above street level to ground floor	DC
8. Canneries, packing houses, and reductions plants	RP
9. Car wash	RP
10. Chemical processing or storage facilities	RP
11. Chemical treated potable water system	DC
12. Dairies and cold storage plants	DC
13. Dye works	RP
14. Film processing laboratories	RP
15. Fire systems – Class 3, 4, and 6, as defined in California Department of Health Services Manual of Cross Connection Control	DCD
16. Fire systems – Class 5	AG or RP
17. Food processing plants	DC
18. Fertilizer processing plants	RP
19. Hospitals, sanitariums	RP
20. Irrigation services served from treated water mains	DC
21. Laboratories	RP

SCHEDULE OF RATE AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-A
EFFECTIVE: JANUARY 1, 2006

BACKFLOW PREVENTION REQUIREMENTS (continued)

<u>WATER USE</u>	<u>REQUIREMENTS</u>
22. Laundries, commercial	DC
23. Medical/dental buildings, clinics or veterinary clinics	RP
24. Metal manufacturing, cleaning, processing and fabricating plants	RP
25. Mobile home parks	DC
26. Mortuaries, morgues, or autopsy facilities	RP
27. Oil and gas production, storage or transmission properties	RP
28. Paper products manufacturing plants	RP
29. Plating operations	RP
30. Premises with piped auxiliary water supplies	DC
31. Pumped sewage, sewage pumping station and/or treatment plants. (Excluding individual premises)	RP
32. Radio active materials or substances	RP
33. Restricted classified or closed facilities	RP
34. Restaurants with automatic dishwashers or steam tables	DC
35. Sand, gravel, cement and ready mix plants	DC
36. Secondary schools and colleges	DC
37. Tank or Construction Water	AG or RP*
(*Customer maintained & certified; District inspected)	

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-B
EFFECTIVE JANUARY 1, 2015

BACKFLOW PREVENTION DEVICE - INSTALLATION CHARGES

<u>ASSEMBLY SIZE</u>	<u>DCV 1/</u>	<u>RP 2/</u>
3/4"	\$ 623.00	\$ 1,061.00
1"	629.00	1,186.00
1 1/2"	1,001.00	1,938.00
2"	1,037.00	2,481.00
3"	3,789.00	8,233.00
4"	10,640.00	10,470.00
6"	13,889.00	14,354.00
8"	20,057.00	18,131.00
10" And up	Actual cost	Actual cost

1/ Double Check Valve Assembly

2/ Reduced Pressure Principle Device

Note: Charges covering double detector checks which are utilized on high risk private fire services can be found in Schedule 8-B.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-C
EFFECTIVE JANUARY 1, 2015

BACKFLOW PREVENTION DEVICE – BI-MONTHLY CHARGE

<u>ASSEMBLY SIZE</u>	INSIDE DISTRICT <u>DCV 1/</u>	OUTSIDE DISTRICT <u>DCV 1/</u>
3/4"	\$ 12.90	\$ 16.10
1"	13.20	16.50
1 1/2"	14.20	17.80
2"	14.70	18.40
3"	41.50	51.90
4"	48.40	60.50
6"	76.30	95.40
8" and up	98.50	123.10

1/ Double check valve assembly

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-D
EFFECTIVE JANUARY 1, 2015

BACKFLOW PREVENTION DEVICE - BI-MONTHLY CHARGE

<u>ASSEMBLY SIZE</u>	INSIDE DISTRICT <u>RP 1/</u>	OUTSIDE DISTRICT <u>RP 1/</u>
3/4"	\$ 14.70	18.40
1"	16.70	20.90
1 1/2"	22.20	27.80
2"	22.40	28.00
3"	47.30	59.10
4"	52.80	66.00
6"	72.00	90.00
8" and up	110.90	138.60

1/ Reduced pressure principle device

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 10-A
EFFECTIVE JANUARY 1, 2015

DISTRICT CONSTRUCTED MAINLINE EXTENSIONS

The District will estimate all costs not included in the basic charge 1/ listed below and add this to the basic charge. The final cost to the applicant will be the summation of these two installation costs, however, unexpected costs associated with required right of ways or encroachment permits will be added to the total.4/

BASIC CHARGE 2/

SIZE	COST/FOOT	ADD ON FOR SHORT LENGTHS 3/
6"	\$ 94.30	\$26.80
8"	120.70	26.80
10"	150.80	26.80
12"	181.10	26.80

- 1/ Any condition which, in the opinion of the District, will result in an estimated costs of more than twenty-five percent of those charges shown in this Schedule, will be installed on an estimated cost basis. Pipe sizes in excess of twelve inches will be accomplished on an estimated cost basis.
- 2/ The basic charge includes all necessary pipe, air and vacuum valves, blowoffs, thrust block and engineering work. Not included in the basic charge are mainline valves, service settings, existing pipe tie-in, fire hydrant assemblies, right of way and all other items not specifically mentioned as covered under the basic charge.
- 3/ If total length of installation is less than 100 feet, add indicated amounts on to per-foot-costs; however, the cost as so determined will not exceed the cost of a 100-foot extension.
- 4/ The District will determine, prior to start of construction, if adequate funds have been provided in the estimated cost to cover right of way purchases, associated legal and court fees, as well as to cover requirements mandated in any encroachment permits the District must obtain from other public entities for the mainline extension. The developer will be required to pay any of these additional costs prior to start of construction.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 10-B
EFFECTIVE JANUARY 1, 2015

**TREATED WATER DISTRIBUTION MAIN CHARGES FOR CALCULATING
TEMPORARY SERVICE LOCATION TREATED WATER MAIN CONTRIBUTIONS**

Multiplier

\$105.50

The Treated Water Distribution Main (TWDM) Charge as shown herein will be determined by the District and revised or amended periodically to reflect updated estimates for the cost to provide and install distribution pipelines.

The administrative processing fee for the Temporary Service Location application shall be \$175.00.

The processing fee for the renewal of an Approved Temporary Service Location shall be \$90.00.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 12-A
EFFECTIVE SEPTEMBER 26, 1984

**PENALTIES FOR
UNAUTHORIZED TAKING OF WATER**

<u>OFFENSE</u>	<u>PENALTY</u>
FIRST	\$250.00
SECOND	\$500.00

WATER SERVICE REGULATIONS

FORMS

- [Form 4A](#) – Request for New Treated Water Service
- [Form 4B](#) – Request for Transfer of Domestic Water Service – Information Route Sheet
- [Form 4C](#) – Treated Water Service Request
- [Form 4D](#) – Application for Tank or Construction Water
- [Form 4E](#) – Non-Beneficial Use Inside the District
- [Form 4E](#) – Non-Beneficial Use Commercial Inside District
- [Form 4E](#) – Non-Beneficial Use Outside the District
- [Form 5A](#) – Raw Water Service – Information Route Sheet
- [Form 5B](#) – Application for Inside District Agriculture Irrigation Water Service
- [Form 5C](#) – Application for Continuous Agricultural Irrigation Water Service from
- [Form 5D](#) – Application for Intermittent Flow Agriculture Irrigation Water Service
- [Form 5E](#) – 2000 Outside District Surplus Raw Water Agreement
- [Form 5F](#) – Account/Outlet Box Deletion Request
- [Form 5G](#) – To Provide Water Service From a Private Conduit
- [Form 7A](#) – Turn On / Turn Off Request
- [Form 8A](#) – Application for Public Fire Hydrant
- [Form 8B](#) – Application for Private Fire Service
- [Form 8C](#) – Application for Raw Water Fire Service
- [Form 10A](#) – Conveyance Agreement, Master
- [Form 10B](#) – Variance Request
- [Form 14A](#) – Encroachment Construction Authorization
- [Form 14B](#) – Encroachment Permit
- [Form 14C](#) – Dock Encroachment Permit Application
- [Form 14D](#) – Dock Encroachment Permit

NEVADA IRRIGATION DISTRICT

REQUEST FOR NEW TREATED WATER SERVICE

This is an information route sheet. It is not your application and no money will be accepted until the application is signed and returned to the office. This form is void 90 days from date of issue unless service application is processed during that period. Please complete the following information.

Date: _____
Owner's Name _____ Phone _____
Mailing Address _____
Contractor/Representative _____ Phone _____
Mailing Address _____
APPLICATION MUST BE SIGNED BY OWNER. Mail _____ Call when ready _____
Parcel Number _____ County: Nevada Placer
Subdivision _____ Lot: _____ Unit: _____
Property Address _____ Improvement District: _____

Service Size Requested: 5/8 Inch 3/4 Inch Other-specify _____
 Relocation Installed with Fire Service-Size _____
(PLEASE ATTACH FORM 8-B)

Type of Service Requested:
a) Residential Number of units _____
b) Commercial/Industrial Number of units _____
c) Name of business _____
d) Type of service _____
e) Other-specify _____

Will there be material dangerous to health or toxic substances used on property? Yes No
If yes, type of substance(s) _____

Does an auxiliary water supply exist? Yes No
If yes, indicate type: Well Spring Ditch Other _____
Will you keep your auxiliary water supply? Yes No Which one? _____

How are property corners fronting the pipeline identified? _____
These corners must be clearly marked and visible from the street to insure correct placement of meter. Route sheet cannot be processed unless corners are identified.

If Commercial:
Will there be a multi-story building on property? Yes No

We certify that the foregoing statements are true and correct and that no changes will be made in the use of the described property until the Nevada Irrigation District has been notified. I understand that if changes are made which require a modification of the service connection, the District has the right to discontinue service until the modification of the service connection has been made.

Signature of Authorized Representative _____

Signature of Property Owner _____ Date _____

Note: Owner's signature required on route sheet. All information must be completed prior to processing.

Unless otherwise requested, all services will be installed at the on-rate.

FOR DISTRICT USE ONLY

CUSTOMER SERVICE DEPARTMENT

Is property fronted by a District Main? Yes No

If yes, system name _____

Size _____ Type _____

If no, has a variance been granted? Yes No

Date granted _____

County encroachment permit needed? Yes No

METER SIZE	_____
FACILITY NO	_____
ROUTE NO	_____
BOOK NO	_____
INFO BY	_____

Water pressure at District Service point (approximate psi) _____

(Determine actual psi in field if approximate psi is less than 25 psi)

Location of service point:

Field checked

Predetermined

Field checked by _____ Date _____

OPERATIONS DEPARTMENT

Backflow prevention device needed? Yes No

Type of device _____ Size _____ Model _____

Reason _____

By _____ Date _____

Is property covered under the Railroad Commission Policy? Yes No

RIGHT-OF-WAY DEPARTMENT

Will right of way be needed from water main to meter location? Yes No

If yes, remarks _____

Applicant notified of right-of-way problem? Yes No By: _____ Date: _____

CUSTOMER SERVICE DEPARTMENT

Connection fees \$ _____

Backflow Fee \$ _____

Standby fee/factor \$ _____

Other \$ _____

Fire Service Fees \$ _____

(standby factor) _____ to _____

Application mailed by _____

Standby account number _____

Reimbursement agreement Yes No

Improvement District _____

Inside District Yes No Tax Area Code _____

TOTAL COSTS DUE \$ _____

Date _____

MAINTENANCE DEPARTMENT

Size _____ Meter Serial # _____ Backflow Device # _____

METER CORP. STOP ON OFF

Installed by _____ Date _____ Meter reading _____

When service is installed, return to: 1) Operations 2) Customer Service

NEVADA IRRIGATION DISTRICT

REQUEST FOR TRANSFER OF DOMESTIC WATER SERVICE
INFORMATION ROUTE SHEET

DATE: July 27, 2015
NAME (Owner):
MAILING ADDRESS:
ACCOUNT NUMBER:
PARCEL NO.:
PHONE:
METER SIZE: 5/8
SUBDIVISION LOT UNIT

PROPERTY GENERAL LOCATION - Street Address
EXISTING BACKFLOW PREVENTION DEVICE YES NO
SERVICE ON "OFF RATE" - Signed application & route sheet still required.
PLEASE VERIFY, AND CORRECT IF NECESSARY, THE ABOVE INFORMATION

PLEASE FILL IN THE FOLLOWING INFORMATION:

TYPE OF SERVICE: (a) Residential Number of Units
(b) Commercial/Industrial Number of Units
(c) Other Specify

Will there be any chemicals, toxins or material dangerous to health used on the property?
YES NO If yes, type of chemicals

Will there be, or does an auxiliary water supply exist? YES NO
Well Spring Ditch Surface Other

Will there be any substance handled under pressure on the property? YES NO
If yes, explain (i.e.: pumped sewage, steam cleaner, hydromatic pump, etc)

If Commercial/Industrial: Type of business
Name of business
Is there a multi-story building on property? YES NO

The approximate P.S.I. at the service location is:

I acknowledge the above and certify that the foregoing statements are true and correct and that no changes will be made in the use of the described property until Nevada Irrigation District has been notified. I understand that if changes are made in the use of the property which require modification of the service connection, the District has the right to discontinue service until the modification of the service connection has been made.

SIGNATURE OF OWNER/APPLICANT DATE

PLEASE SUBMIT WITH APPLICATION

NEVADA IRRIGATION DISTRICT

REQUEST FOR TRANSFER OF DOMESTIC WATER SERVICE
INFORMATION ROUTE SHEET

DATE: July 27, 2015
NAME (Owner):
MAILING ADDRESS:
ACCOUNT NUMBER:
PARCEL NO.:
PHONE:
METER SIZE: 5/8
SUBDIVISION LOT UNIT

PROPERTY GENERAL LOCATION - Street Address
EXISTING BACKFLOW PREVENTION DEVICE YES NO
SERVICE ON "OFF RATE" - Signed application & route sheet still required.

PLEASE VERIFY, AND CORRECT IF NECESSARY, THE ABOVE INFORMATION

PLEASE FILL IN THE FOLLOWING INFORMATION:

TYPE OF SERVICE: (a) Residential Number of Units
(b) Commercial/Industrial Number of Units
(c) Other Specify

Will there be any chemicals, toxins or material dangerous to health used on the property?
YES NO If yes, type of chemicals

Will there be, or does an auxiliary water supply exist? YES NO
Well Spring Ditch Surface Other

Will there be any substance handled under pressure on the property? YES NO
If yes, explain (i.e.: pumped sewage, steam cleaner, hydromatic pump, etc)

If Commercial/Industrial: Type of business
Name of business
Is there a multi-story building on property? YES NO

It is understood that service provided under this application is in a high pressure water area. For your protection be sure an adequately sized pressure relief valve is installed on your service. For further information, check your local plumbing code. Approximate P.S.I.:

I acknowledge the above and certify that the foregoing statements are true and correct and that no changes will be made in the use of the described property until Nevada Irrigation District has been notified. I understand that if changes are made in the use of the property which require modification of the service connection, the District has the right to discontinue service until the modification of the service connection has been made.

SIGNATURE OF OWNER/APPLICANT DATE

PLEASE SUBMIT WITH APPLICATION

NEVADA IRRIGATION DISTRICT

REQUEST FOR TRANSFER OF DOMESTIC WATER SERVICE
INFORMATION ROUTE SHEET

DATE: July 27, 2015
NAME (Owner):
MAILING ADDRESS:
ACCOUNT NUMBER:
PARCEL NO.:
PHONE:
METER SIZE: 5/8
SUBDIVISION LOT UNIT

PROPERTY GENERAL LOCATION - Street Address
EXISTING BACKFLOW PREVENTION DEVICE YES NO
SERVICE ON "OFF RATE" - Signed application & route sheet still required.
PLEASE VERIFY, AND CORRECT IF NECESSARY, THE ABOVE INFORMATION

PLEASE FILL IN THE FOLLOWING INFORMATION:

TYPE OF SERVICE: (a) Residential Number of Units
(b) Commercial/Industrial Number of Units
(c) Other Specify

Will there be any chemicals, toxins or material dangerous to health used on the property?
YES NO If yes, type of chemicals

Will there be, or does an auxiliary water supply exist? YES NO
Well Spring Ditch Surface Other

Will there be any substance handled under pressure on the property? YES NO
If yes, explain (i.e.: pumped sewage, steam cleaner, hydromatic pump, etc)

If Commercial/Industrial: Type of business
Name of business
Is there a multi-story building on property? YES NO

It is understood that service provided under this application is in a low pressure water area and applicant is responsible to provide any increase in pressure, if required. Approximate P.S.I.:

I acknowledge the above and certify that the foregoing statements are true and correct and that no changes will be made in the use of the described property until Nevada Irrigation District has been notified. I understand that if changes are made in the use of the property which require modification of the service connection, the District has the right to discontinue service until the modification of the service connection has been made.

SIGNATURE OF OWNER/APPLICANT DATE

PLEASE SUBMIT WITH APPLICATION

NEVADA IRRIGATION DISTRICT

1036 W MAIN STREET
 GRASS VALLEY, CA 95945
 (530) 273-6185 FROM AUBURN 878-1857

ORIGINAL RETURN TO NID WITH REMITTANCE

CYCLE	ACCOUNT NUMBER
-------	----------------

- NEW SERVICE
- TRANSFER
- TURN ON
- NAME CHANGE ONLY
- METER RELOCATION
- CHANGE OF SERVICE SIZE
- APPROXIMATE SERVICE SIZE _____ #PSI _____
- DCV/RP _____

THE APPLICANT REQUESTS DISTRICT TO SUPPLY TREATED WATER AS INDICATED DATE

TO BE USED ON PROPERTY OWNED BY _____ EFFECTIVE DATE _____
 OWNER'S MAILING ADDRESS _____ FORMER CONSUMER: _____

LOT _____ UNIT _____ SUBDIVISION _____ ROUTE NUMBER _____
 DELIVERY FROM _____ SERVICE ADDRESS _____ PARCEL NUMBER _____

Service of water to be in accordance with the conditions printed on the reverse of this application and with other rules and regulations of the District. Applicant agrees to pay for such services at the tolls and charges as established by the District from time to time and agrees to the conditions of this application. New service applications are void 90 days after issuance.

- NONCOMMERCIAL COMMERCIAL _____ BOOK AND PAGE _____
- Business Name _____ METER NUMBER _____
- WATER RATE _____ OFF RATE _____ OWNER'S SIGNATURE X _____
- SERVICE CONNECTION FEE _____ APPLICANT SIGNATURE X _____ (COMMERCIAL ONLY)

DCV/RP FEE _____ NAME _____
 SECURITY DEPOSIT FEE _____ MAILING ADDRESS _____
 PAYMENT RECEIVED ON BILL _____
 OTHER _____ NID BY: _____
 TOTAL RECEIVED _____

CYCLE	ACCOUNT NUMBER	DATE
-------	----------------	------

- NEW SERVICE
- TRANSFER
- CHANGE OF SERVICE AREA
- OFF RATE
- NAME CHANGE ONLY
- PROPERTY OWNER _____
- ADDRESS _____
- PSI _____
- METER RELOCATION _____ SERVICE SIZE _____
- DCV/RP _____

DELIVERY FROM _____
 LOT _____ UNIT _____ SUBD. _____

PARCEL _____
 SERVICE ADDRESS _____
 ROUTE NO _____ BOOK AND PAGE _____

EFFECTIVE DATE _____
 FORMER CONSUMER _____
 SERVICE CONNECTION FEE \$ _____
 DCV/RP FEE \$ _____
 OTHER _____

- NONCOMMERCIAL COMMERCIAL

CONDITIONS OF ACCEPTANCE OF WATER SERVICE

1. Application for water services is made on the reverse side hereof under and subject to the Regulations, and rates, tools, charges, and fees adopted or to be adopted by the Board of Directors of Nevada Irrigation District. Applicant and/or owner hereby grants the right to Nevada Irrigation District to install, maintain, control and regulate all meters, measuring devices, delivery gates and valves in any conduit necessary for the distribution, measurement and control of water delivered under this application. The District, its officers or employees, shall not be liable for damages to persons or property occasioned through the exercise of such right, or for negligent, wasteful or other use of handling of water by the users thereof.
2. All valves and necessary fittings, including the meter and backflow prevention device, needed to serve the applicant water shall remain the property of Nevada Irrigation District.
3. The District expressly reserves the right to recapture, reuse, and resell all such water when it shall have passed from the premises of the applicant.
4. Water service is subject to shortages, fluctuation in flow, interruptions in service and pressure deficiencies, and anyone using such water assumes all such hazards and relieves the Nevada Irrigation District, its officers and employees, from liability or damages resulting therefrom. Applicant must provide all necessary Rights of Way and conduits to transport water from District's facility to applicant's land. Water delivered under this application shall not be used on property other than that covered by this application.
5. All charges for water service are a lien against the land, and if unpaid at the time specified for delivery of the assessment book to the collector, the amount of unpaid charges may be added to and become a part of the annual assessment levied upon the land upon which the water, for which the charges are unpaid, was used. Water Code Sec 25806.

ACCOUNT NUMBER _____

APPLICATION FOR TANK OR CONSTRUCTION WATER

AUTHORIZED BY: _____

CANAL WATER

TREATED WATER

NEVADA IRRIGATION DISTRICT

1036 W. Main Street, Grass Valley, CA 95945

TELEPHONE (916) 273-6185
AUBURN AREA 878-1857

ROUTE _____ SERVICE WORKER _____ DATE _____, 19____

DELIVERY TO BE MADE FROM _____

FOR YEAR 19____ ONLY - OR PERIOD ____-____

TO BE USED BY _____

COMPANY NAME/INDIVIDUAL _____

IN VICINITY OF _____ NEVADA COUNTY PLACER COUNTY

Service to be in accordance with rules and regulations of the District. Applicant agrees to pay for service at rates and charges as established by the District from time to time.

METER DEPOSIT FEE \$ _____ METER NUMBER _____ METER READING _____

APPLICATION CHARGE \$ _____ TANK SIZE/GALLONS _____

Meter readings or tank tally sheets shall be turned into the N.I.D. Main Office at the first of each month. Failure to submit tally sheets by the 10th of the month will result in a billing for twice the minimum monthly rate. The minimum monthly charge of \$ _____ or the monthly billing for water usage, whichever is greater, will be levied. The District will continue to bill until advised to close out the account. All accounts are closed at the end of the calendar year.

\$ _____ RECEIVED _____ BY _____

BILLING ADDRESS _____

SIGNATURE OF APPLICANT: _____

TELEPHONE NUMBER (____) _____

METER RETURN/TANK WATER CLOSE

METER AND WRENCH RETURNED METER READING END
METER IN SERVICEABLE CONDITION YES NO IF NO, EXPLAIN DAMAGES _____ BY _____

FIRE HYDRANT AND DISTRICT FACILITIES IN SERVICEABLE CONDITION YES NO IF NO, EXPLAIN DAMAGES: _____

_____ CHECKED BY _____

CLOSE ACCOUNT NUMBER _____ EFFECTIVE DATE _____ BY _____

COST OF DAMAGES \$ _____ FINAL BILLING AMOUNT \$ _____

REFUNDED AMOUNT \$ _____ DATE _____ BY _____

COMPANY NAME/INDIVIDUAL _____

COMMENTS: _____

TANK OR CONSTRUCTION WATER

ROUTE _____ ACCOUNT NUMBER _____

CANAL WATER TREATED WATER

AUTHORIZED BY: _____

COMPANY NAME/INDIVIDUAL _____

TELEPHONE NUMBER (____) _____

TO BE USED IN VICINITY OF: _____

TANK SIZE(S) _____

METER NO. _____

VEHICLE LICENSE NUMBER(S) _____

RECEIVED \$ _____

DATE _____

BY _____

CONDITION OF ACCEPTANCE OF WATER SERVICE

1. Application for water is made on the reverse side, under and subject to the By-laws, Regulations, and rates of fees and charges adopted or to be adopted by the Board of Directors of Nevada Irrigation District. Applicant hereby grants the right to the Nevada Irrigation District to install, maintain, control, and regulate all meters, measuring devices, delivery gates and valves in any conduit necessary for the distribution, measurement and control of water delivered under this application. The District, its officers or employees, shall not be liable for damages to persons of property occasioned through the exercise of such right, or for the negligent, wasteful or other use or handling of water by the users.
2. Nevada Irrigation District does not hold itself liable to the applicant for failure to perform any of the obligations imposed upon it or assumed by it under this application if such failure shall be caused by inevitable accident, Act of God, fire, strikes, riot, war, shortage in seasonal water supply or any other cause beyond the reasonable control of the District.
3. Applicant shall:
 - a. Provide all necessary facilities to conduct water from existing conduit of District to the applicant's point of use.
 - b. Be solely responsible for any damage caused by water delivered under this agreement.
 - c. Handle water supplied by this agreement so there shall be no waste.
4. This contract shall not create or convey any right, title or interest, legal or equitable, in or to the property, ditches, water and water right of District nor interfere with or obstruct the full, free and unobstructed use and disposition of water by District; and District shall have full control of the distribution of water through its canal system, and the right to establish and enforce such regulation as it may deem expedient; and the furnishing of water hereunder shall not give rise by user or otherwise to any right to require water to be furnished to said lands, or any part thereof, or other lands, or become the basis of a permanent right.
5. District reserves the right to cancel any tank water application if the drafting of water interferes with its operation.
6. Billing under this schedule shall not create a credit for future delivery of water.
7. Application will automatically be terminated at end of calendar year.

July 27, 2015

«Title» «FirstName» «LastName»
«Address1»
«CSZ»

Re: «acctnum»

Dear «Title» «LastName»:

In response to your request regarding the increase in consumption, we have calculated a non-beneficial use credit in the amount of \$«credit_amt» for a «Num_of_months» month period, that may be applied to account number «acctnum» at «prop_addr».

The District's non-beneficial use credit can only be granted once each ten years. We will not be able to grant any further credits if another high billing should occur before the ten year period has passed.

If you decide to accept this adjustment, please sign and return the enclosed worksheet and we will apply a \$«credit_amt» credit to your account. This will leave a \$«Bal_after_adj» «Complete_sentence».

If you have any questions, please contact the undersigned.

Very truly yours,

[CAA Name]
Customer Accounting Administrator

[CAA Initials]:«your_inits»
Enclosure

NON-BENEFICIAL USE ADJUSTMENT-INSIDE DISTRICT

July 27, 2015

«Title» «FirstName» «LastName»
 «Address1»
 «CSZ»

Parcel Number: «apn»
 Account Number: «acctnum»

Current Billing for period: \$«Curr_bill_amt»

	<u>HCF*</u>	<u>@</u>	<u>\$</u>
Current Usage	«curr_usage»	0.785	«curr_amt»
Normal Usage (Prior year)	«prior_usage»	0.785	«prior_amt»
Excess Usage @ production rate	«diff_in_usage»	0.280	«diff_amt»
Non-Beneficial Use Adjustment			\$(«credit_amt»)
Adjusted billing			<u>\$ «adj_billing»</u>

*HCF = hundred cubic feet

See section 4.10 of the District's Regulations Relating to Water service for policy.

Adjusted calculation is as follows:

- a) The normal usage for a comparable billing period subtracted from the total actual usage equals excess usage.
- b) The normal usage billed at the prevailing water rate plus the excess usage billed at the prevailing District's production rate for treated water is subtracted from the current charges. The resulting amount shall be the amount of adjustment granted.

I AGREE TO ACCEPT THIS ADJUSTMENT AND UNDERSTAND NO FURTHER CREDIT WILL BE ALLOWED WITHIN TEN YEARS FROM THIS AGREEMENT.

Customer's Signature _____ Date _____

Credit approved by: _____
 Manager of Finance

Nevada Irrigation District
 1036 W. Main Street
 Grass Valley, CA 95945

(530) 273-6185
 or 1-800-222-4102

PLEASE RETURN TO CUSTOMER SERVICE

July 27, 2015

«FirstName» «LastName»
«Address1»
«CSZ»

Re: «acctnum»

Dear «Title» «LastName»:

In response to your request in the increase in consumption, we have calculated a non-beneficial use credit in the amount of \$«credit_amt» for a «Num_of_months» month period, that may be applied to account number «acctnum» at «prop_addr».

The District's non-beneficial use credit can only be granted once each ten years. We will not be able to grant any further credits if another high billing should occur before the ten year period has passed.

If you decide to accept this adjustment, please sign and return the enclosed worksheet and we will apply a \$«credit_amt» credit to your account. This will leave a balance of \$«Bal_after_adj» «Complete_sentence».

If you have any questions, please contact the undersigned.

Very truly yours,

[CAA Name]
Customer Accounting Administrator

[CAA Initials]:«your_inits»
Enclosure

NON-BENEFICIAL USE ADJUSTMENT-COMMERCIAL INSIDE DISTRICT

July 27, 2015

«FirstName» «LastName»
 «Address1»
 «CSZ»

Parcel Number: «apn»
 Account Number: «acctnum»

Current Billing for period: \$«Curr_bill_amt»

	<u>HCF*</u>	<u>@</u>	<u>\$</u>
Current Usage	«curr_usage»	0.98	«curr_amt»
Normal Usage (Prior year)	«prior_usage»	0.98	«prior_amt»
Excess Usage @ production rate	«diff_in_usage»	0.350	«diff_amt»
Non-Beneficial Use Adjustment			<u>\$ («credit amt»)</u>
Adjusted billing			<u>\$ «adj_billing»</u>

*HCF = hundred cubic feet

See section 4.10 of the District's Regulations Relating to Water service for policy.

Adjusted calculation is as follows:

- a. The normal usage for a comparable billing period subtracted from the total actual usage equals excess usage.
- b. The normal usage billed at the prevailing water rate plus the excess usage billed at the prevailing District's production rate for treated water is subtracted from the current charges. The resulting amount shall be the amount of adjustment granted.

I AGREE TO ACCEPT THIS ADJUSTMENT AND UNDERSTAND NO FURTHER CREDIT WILL BE ALLOWED WITHIN TEN YEARS FROM THIS AGREEMENT.

Customer's Signature _____ Date _____

Credit approved by: _____
 Manager of Finance

Nevada Irrigation District
 1036 W. Main Street (530) 273-6185
 Grass Valley, CA 95945 or 1-800-222-4102

PLEASE RETURN TO CUSTOMER SERVICE

July 27, 2015

«Title» «FirstName» «LastName»
«Address1»
«CSZ»

Re: «acctnum»

Dear «Title» «LastName»:

In response to your request regarding the increase in consumption, we have calculated a non-beneficial use credit in the amount of \$«credit_amt» for a «Num_of_months» month period, that may be applied to account number «acctnum» at «prop_addr».

The District's non-beneficial use credit can only be granted once each ten years. We will not be able to grant any further credits if another high billing should occur before the ten year period has passed.

If you decide to accept this adjustment, please sign and return the enclosed worksheet and we will apply a \$«credit_amt» credit to your account. This will leave a \$«Bal_after_adj» «Complete_sentence».

If you have any questions, please contact the undersigned.

Very truly yours,

[CAA Name]
Customer Accounting Administrator

[CAA initials]:«your_inits»
Enclosure

NON-BENEFICIAL USE ADJUSTMENT-OUTSIDE DISTRICT

July 27, 2015

«Title» «FirstName» «LastName»
 «Address1»
 «CSZ»

Parcel Number: «apn»
 Account Number: «acctnum»

Current Billing for period: \$«Curr_bill_amt»

	<u>HCF*</u>	<u>@</u>	<u>\$</u>
Current Usage	«curr_usage»	0.98	«curr_amt»
	»		
Normal Usage (Prior year)	«prior_usage»	0.98	«prior_amt»
	»		
Excess Usage @ production rate	«diff_in_usage»	0.350	«diff_amt»
Non-Beneficial Use Adjustment			<u>\$ («credit_amt»)</u>
Adjusted billing			<u>\$ «adj_billing»</u>

*HCF = hundred cubic feet

See section 4.10 of the District's Regulations Relating to Water service for policy.

Adjusted calculation is as follows:

- c) The normal usage for a comparable billing period subtracted from the total actual usage equals excess usage.
- d) The normal usage billed at the prevailing water rate plus the excess usage billed at the prevailing District's production rate for treated water is subtracted from the current charges. The resulting amount shall be the amount of adjustment granted.

I AGREE TO ACCEPT THIS ADJUSTMENT AND UNDERSTAND NO FURTHER CREDIT WILL BE ALLOWED WITHIN TEN YEARS FROM THIS AGREEMENT.

Customer's Signature _____ Date _____

Credit approved by: _____
 Manager of Finance

Nevada Irrigation District
 1036 W. Main Street
 Grass Valley, CA 95945

(530) 273-6185
 or 1-800-222-4102

PLEASE RETURN TO CUSTOMER SERVICE

NEVADA IRRIGATION DISTRICT

**RAW WATER SERVICE – INFORMATION ROUTE SHEET
(NOTE: THIS IS NOT AN APPLICATION FOR SERVICE)**

Date _____ Phone _____

FOR DISTRICT USE ONLY

Applicant _____

Route No. _____

Mailing Address _____

Wtr Dist. Op. _____

Facility Name _____

Service Address _____

Facility No. _____

Field Appt. _____

Parcel No. _____ Acres _____

Information Taken By _____

Type of Crop and No. of Acres to be Irrigated _____

1. Box installations can take up to thirty days or longer. Due to high flows in certain canals during the irrigation season, some outlet boxes may not be installed until the end of the season.

The customer is responsible for the acquisition and maintenance of any required easements or permits; the installation, maintenance, and operation of the private service pipeline and appurtenances thereof, located on the customer's side of the service valve and/or box.

We certify that the foregoing information is true and correct, and have read all of the above, and understand the water is to be used only on the above described property.

Signature of Property Owner _____

Date _____

Owner's signature required on this route sheet prior to processing application.

Parcel Location: Placer _____ Nevada _____ Inside Dist. _____ Outside Dist. _____

Tax Rate Area Code _____ Map Attached _____ Railroad Commission Policy Yes _____ No _____

Service Requested: Seasonal _____ Amt. _____ M.I. Winter Service _____ Amt. _____ M.I.

Additional Outlet _____ Acct. # _____

Access to District Facility Yes _____ No _____ Easement Needed? Yes _____ No _____

Pvt Pipeline Form Required? Yes _____ No _____ Date Issued _____ Date Ret _____

Availability based upon _____

Has Property a Treated Water Account? Yes _____ No _____ Account # _____

Will there be material dangerous to health or toxic substance used on property?

If yes, type of substance _____ Yes _____ No _____

Property Owner advised of suspension date, if application is not completed?

1-800-222-4102

FOR DISTRICT USE ONLY

(916) 273-6185

1. Service Box Size _____ Outlet Size _____ Length of Pipe _____ Valve & Cover _____

Orifice Size _____ Screening Device Required Yes ___ No ___

Unusual Conditions that must be reviewed in field Yes ___ No ___

Comments _____

Are there any existing Encroachments on District facilities? Yes ___ No ___

Does Applicant plan to construct any new facilities on District's facility? Yes ___ No ___

If yes, check: Fence ___ Culvert ___ Bridge ___ Water or Sewer ___ Other ___

Location sketch (if needed) Yes ___ No ___

Reviewed in field by _____ Date _____

2. Amount of Water Sale _____ M.I. Comments _____

Date _____ Approved: _____

Raw Water Supervisor

3. Backflow Prevention Backflow prevention device needed? Yes ___ No ___

Type of device _____ Size _____ Model _____

Reason _____ By _____ Date _____

4. Charges

Outlet Box _____

Extra Pipe _____

Orifice _____

Screening Device _____

Backflow Prevent _____

Other _____

5. Application Sent Yes ___ No ___

Date _____ By _____

Signed Application Received

Back Date _____

Date Service to be initiated _____

District Outside/Inside _____

Verification _____

6. Fees Paid _____

To Maintenance _____

By _____

7. Box Number _____

Date Box Installed _____

Installed By _____

8. Contact WDO at time of installation _____

Account Number _____

NEVADA IRRIGATION DISTRICT
Agricultural Water

Date _____

Parcel _____
Route number _____

Canal _____
Increase Decrease

Miners Inches _____

Outlets _____ Rotation _____

Winter Service _____

Service address _____

Service conn. fee _____

Amount Paid _____ Date _____

Name _____
Address _____

APPLICATION FOR INSIDE DISTRICT AGRICULTURE IRRIGATION WATER SERVICE FROM:
ORIGINAL - RETURN TO NID 1036 W. MAIN ST., GRASS VALLEY, CA 95945
WITH YOUR REMITTANCE
NEVADA IRRIGATION DISTRICT
TELEPHONE (530) 273-6185
PLACER OFFICE (530) 823-2466
GRASS VALLEY 1-800-222-4102

NEW SERVICE TRANSFER ACCOUNT NUMBER _____ APPROVED BY _____
INCREASE DECREASE
OWNER _____ DATE _____ ROUTE _____
THE APPLICANT REQUESTS DISTRICT TO SUPPLY WATER FOR AGRICULTURAL IRRIGATION PURPOSES AS INDICATED BELOW:

DELIVERY TO BE MADE FROM _____ PRIMARY PARCEL _____ ACRES _____
SERV. ADDRESS _____
ADDITIONAL PARCELS _____
BOX NUMBER(S) _____

for the purpose as indicated on the crop acreage report. Service to be in accordance with conditions printed on back of this application and other rules and regulations of the District. Owner and/or applicant agrees to pay such service at rates and charges established by the District from time to time.

SUMMER M.I. _____ CHARGE _____ OUTLET(S) _____
WINTER SERVICE M.I. _____ CHARGE _____ ROTATION _____
DEMAND WATER _____ M.I. _____ DAYS _____ FROM _____ TO _____ CHARGE _____
FALL WATER _____ M.I. _____ DAYS _____ FROM _____ TO _____ CHARGE _____
STATE/COUNTY MANDATED FEE _____ ENERGY PUMPING COST _____

TOTAL CHARGES _____ **MINIMUM PAYMENT DUE** _____ **SERVICE CONNECTION FEE** _____
PAYMENT: WATER _____ OUTLET _____ RECEIVED _____ 19 _____ BY _____
BOX NUMBER(S) _____

OWNER/APPLICANT SIGNATURE CERTIFIES THAT
OWNER _____
ADDRESS _____
APPLICANT HAS READ AND AGREES TO THE TERMS
OF THIS APPLICATION AND WILL COMPLY WITH THE
CONDITIONS PRINTED ON THE BACK OF THIS
APPLICATION.
SIGNATURE OF OWNER _____

SIGNATURE OF APPLICANT _____
ROUTE NUMBER _____
ACCOUNT NUMBER _____
NAME _____
TEL. NO. (OPTIONAL) _____
WATER PURCHASED _____
TOTAL ACRES OWNED _____

CROP ACREAGE REPORT

APPLICATION WILL NOT BE
ACCEPTED WITHOUT THIS
INFORMATION

TOTAL ACRES
IRRIGATED _____

FRUITS

- 21. APPLES _____
- 22. BERRIES ALL _____
- 23. CHERRIES _____
- 24. CITRUS ALL _____
- 25. GRAPES TABLE _____
- 26. GRAPES OTHER _____
- 27. KIWI _____
- 28. PEACHES _____
- 29. PEARS _____
- 30. PLUMS _____
- 31. OTHER _____

TOTAL ACRES
IRRIGATED _____

41. NURSERY _____

TOTAL ACRES
IRRIGATED _____

51. NUTS
(SPECIFY) _____

CEREALS

- 1. CORN _____
- 2. RICE _____
- 3. WHEAT _____
- 4. OTHER _____

(SPECIFY) _____

FORAGE

- 11. ALFALFA HAY _____
- 12. HAY OTHER _____
- 13. IRRIGATED PASTURE _____
- 14. SILAGE _____
- 15. OTHER _____

(SPECIFY) _____

71. FAMILY GARDENS, ORCHARDS, YARDS
REPORT ACRES ONLY _____

PARCEL NUMBERS _____

COMMENTS _____

CONDITIONS OF ACCEPTANCE OF WATER SERVICE

1. Application for water is made on the reverse side hereof under and subject to the Bylaws, Rules and Regulations, and rates of tolls and charges adopted or to be adopted by the Board of Directors of Nevada Irrigation District. Applicant hereby grants the right of access for employer and equipment of measuring devices, delivery gates and valves in any conduit necessary for the distribution, measurement and control of water delivered under this application. The District, its officers or employees, shall not be liable for damages to persons or property occasioned through the exercise of such right, or for the negligent, wasteful or other use or handling of water by the users thereof.
2. The District expressly reserves the right to recapture, re-use and re-sell all return flow when it shall have passed from the premises of the applicant.
3. In accepting this application, Nevada Irrigation District does not hold itself liable to the applicant for failure to perform any of the obligations imposed upon it or assumed by it, if such failure shall be caused by inevitable accident, Act of God, fire, strikes, riots, war, shortages in water supply or any other cause beyond the reasonable control of the District.
4. All water furnished by the District flows through many miles of open ditches and is therefore subject to pollution, shortages, fluctuation in flow and interruption in service. District employees are forbidden to make any agreements binding the District to serve an uninterrupted constant supply of water. All water furnished by the District will be on the basis of irrigation deliveries for agricultural crops. Every user putting the water to other uses does so at his own risk and agrees to hold the District, and its officers and employees free and harmless from the liabilities and damages that may occur as a result of such use. District will not be liable for defective quality of water, shortage of water, either temporary or permanent, or for failure to deliver such water. District assumes no liability for damages to persons or property occasioned through defective conduits, meters or measuring devices. District does not sell water to cultivate or sustain fish life.
5. Applicant shall:
 - a. Provide all necessary facilities including all easements to transport such water from existing conduit of District to the Applicant's land.
 - b. Be solely responsible for any damage caused by water delivered under this agreement.
 - c. Handle water supplied hereunder that there shall be no unnecessary waste.
 - d. Not use the water, delivered under this application, on property other than that listed by the application.

6. This contract shall not create or convey any right, title or interest, legal or equitable, in or to the property, ditches, water and water rights of the District nor interfere with or obstruct the full, free and unobstructed use and disposition thereof by District. District shall have full control of the distribution of water through its canal system, and the right to establish and enforce such rules and regulations as it may deem expedient; and the furnishing of water hereunder shall not give rise by user or otherwise to any right to require water to be furnished to said lands, or any part thereof, or other lands, or become the basis of a permanent right.
7. Applicant and/or owner of the land herein described to be served agree that if charges are not paid in full when due, service may be denied and the amount due may become a lien upon any real property owned or subsequently acquired by the user in accordance with Section 25806 of the Water Code of the State of California.
8. Cancellation of seasonal irrigation water may be made up to June 1 of each year by written notice of the property owner either in whole or in part provided the water contracted for can be resold. The proportions of such seasonal application cancelled must be paid in accordance with prevailing District Rules and Regulation.
9. Unauthorized taking of water in an amount greater than applied for, and paid for by any means, without consent of the District, is subject to prosecution and or penalties as prescribed by the Board of Directors.
10. Summer water deliveries shall begin on or about April 15 and winter water deliveries shall begin on or about October 15.

Inside District New Service Turn On
Transfer

Date _____

Service Worker _____
Route _____ Dir. Code _____
Continuous flow of _____ miner's inches.
Delivery from _____

Owner _____

Account # _____
Parcel _____
Effective Date _____
Applicant _____
Address _____

Amount of payment received \$ _____
Service Connection Fee _____
Former Consumer _____
Box Number _____

Co. No. _____ Account No. _____

New Service Transfer Turn On

Application for Continuous Agricultural Irrigation Water Service from

NEVADA IRRIGATION DISTRICT
1036 W. Main Street, Grass Valley, California 95945
(530) 273-6185

Service Worker _____ Route _____ Date _____ 19____
The applicant requires District to supply water for Agricultural Irrigation purposes as indicated below.

Continuous flow of summer _____ winter _____ miners inches
Delivery to be made from _____ Director Code _____
To be used on property owned by _____
Service address _____ Parcel _____
Continuous billing to become effective _____ 19____ per rate schedule in force.

Continuous application for year around service for the _____ Irrigation season and winter service period and thereafter until terminated by written notice. This service is strictly for the convenience of the customer and is not offered for any form of intermittent service. Any deviation from this particular application will result in the consumer being placed on a seasonal Irrigation application and the payment of all back charges to the date of turn off.

Former Consumer _____ Box Number _____
Acres owned _____ Acres to be irrigated _____

Type of irrigation: Orchard _____ Garden _____ Pasture _____ Other _____
Service to be in accordance with conditions printed on back of this application and other rules and regulations of the District. Applicant agrees to pay for such service at rates of tolls and charges as established by the District from time to time. Service under this application is for Agricultural Irrigation purposes only and the water and service facilities are not deemed suitable for any use except propagation of agricultural crops. Water sold under this application not fit for human consumption.

Payment Received on Bill \$ _____ Signature of Owner _____
Service Connection Fee \$ _____ Mailing Address _____
Other \$ _____
Total Received \$ _____

By _____ **NEVADA IRRIGATION DISTRICT**

CONDITIONS OF ACCEPTANCE OF WATER SERVICE

1. Application for water is made on the reverse side hereof under and subject to the Bylaws, Rules and Regulations, and rates of tolls and charges adopted or to be the Board of Directors of Nevada Irrigation District. Applicant hereby grants the right to the devices, delivery gates and valves in any conduit necessary for the distribution, measurement and control of water delivered under this application. The District, its officers or employees, shall not be liable for damages to persons or property occasioned through the exercise of such right, or for the negligent, wasteful or other use of handling of water by the users thereof.
2. The District expressly reserves the right to recapture, re-use, and re-sell all return flow when it shall have passed from the premises of the applicant.
3. In accepting this application, Nevada Irrigation District does not hold itself liable to the applicant for failure to perform any of the obligations imposed upon it or assumed by it under this application if such failure shall be caused by inevitable accident, Act of God, fire, strikes, riots, war, shortage in seasonal water supply or any other cause beyond the reasonable control of the District.
4. All water furnished by the District flows through many miles of open ditches and is therefore subject to pollution, shortages, fluctuation in flow and interruption in service. Nevada Irrigation District employees are not authorized to make any agreements binding the District to serve an uninterrupted constant supply of water. All water furnished by the District will be on the basis of irrigation deliveries for agricultural crops and every user putting the water to other uses does so at his own risk, and by doing so assumes all liability for and agrees to hold the District, and its officers and employees free and harmless from the liabilities and damages that may occur as a result of defective water quality, shortages, fluctuations in flow and interruptions in service, District will not be liable for defective quality of water, shortage of water, either temporary or permanent, or for failure to deliver such water. District assumes no liability for damages to persons or property occasioned through defective conduits, meters or measuring devices.
5. Applicant shall:
 - a. Provide all necessary ditches and facilities to conduct such water from existing conduit of District to the applicant's land.
 - b. Be solely responsible for any damage caused by water delivered under this agreement.
 - c. So handle water supplied hereunder that there shall be no unnecessary waste thereof.
 - d. Water delivered under this application shall not be used on property other than that covered by the application.
6. This contract shall not create or convey any right, title or interest, legal or equitable, in or to the property, ditches, water and water rights of the District nor interfere with or obstruct the full, free and unobstructed use and disposition thereof by District; and District shall have full control of the distribution of water through its canal system, and the right to establish and enforce such rules and regulations as it may deem expedient; and the furnishing of water hereunder shall not give rise by user or otherwise to any right to require water to be furnished to said lands, or any part thereof, or other lands, or become the basis of a permanent right.
7. Applicant and/or owner of the land herein described to be served agree that if charges are not paid in full when due, service may be denied and the amount due may become a lien upon any real property owned or subsequently acquired by the user in accordance with Section 25806 of the Water Code of the State of California.

APPLICATION FOR INTERMITTENT FLOW AGRICULTURE IRRIGATION WATER SERVICE FROM
NEVADA IRRIGATION DISTRICT

ORIGINAL – RETURN TO NID
WITH YOUR REMITTANCE

1036 W. MAIN ST., GRASS VALLEY, CA 95945

TELEPHONE (530) 273-6185
AUBURN AREA 878-1857

NEW SERVICE TRANSFER ACCOUNT NUMBER _____ DATE _____

PROPERTY OWNED BY _____ SERVICE AREA _____
PROPERTY OWNER REQUESTS DISTRICT TO PROVIDE AGRICULTURE RAW INTERMITTENT FLOW WATER TO BE USED ON _____

NEVADA CO. _____ PLACER CO. _____ PARCEL NO/S _____

TOTAL ACRES OWNED _____ DIVERSION TO BE MADE FROM _____ (WATER COURSE)

DURING THE SEASON OF APRIL 15 THROUGH OCTOBER 15, 19____ SERVICE ADDRESS _____

ACRE FEET OF INTERMITTENT FLOW WATER _____ CHARGES _____

ACRES TO BE IRRIGATED _____ OTHER USES _____

SERVICE TO BE IN ACCORDANCE WITH CONDITIONS PRINTED ON BACK OF THIS APPLICATION INCLUDED AS PART OF THIS APPLICATION AND RULES AND REGULATIONS OF THE DISTRICT ON FILE AT DISTRICT OFFICE, AS ADOPTED NOW OR IN THE FUTURE. APPLICANT AGREES TO PAY SUCH SERVICE AT RATES OF TOLLS AND CHARGES AS ESTABLISHED BY THE DISTRICT FROM TIME TO TIME.

CONDITIONS OR REMARKS _____

NOTE: APPLICATION FOR WATER MUST BE ACCOMPANIED BY PAYMENT. SEE RULES ON FILE AT DISTRICT OFFICE FOR TERMS OF PAYMENT. SERVICE UNDER THIS APPLICATION IS FOR AGRICULTURAL IRRIGATION PURPOSES ONLY AND THE WATER IS NOT DEEMED SUITABLE FOR ANY USE EXCEPT PROPAGATION OF AGRICULTURAL CROPS, OWNER/APPLICANT HAS READ AND UNDERSTANDS AND AGREES TO ALL CONDITIONS OF APPLICATION. SEE REVERSE SIDE.

PAYMENT OF _____ RECEIVED _____ BY _____

OWNER _____
ADDRESS _____

OWNER/APPLICANT SIGNATURE CERTIFIES THAT
APPLICANT HAS READ AND AGREES TO THE TERMS
OF THIS APPLICATION.

SIGNATURE OF OWNER _____

SIGNATURE OF APPLICANT _____

CROP ACREAGE REPORT

**APPLICATION WILL NOT BE
ACCEPTED WITHOUT THIS
INFORMATION**

ROUTE NUMBER _____

ACCOUNT NUMBER _____

NAME _____

TEL. NO. (OPTIONAL) _____

WATER PURCHASED _____

TOTAL ACRES OWNED _____

CEREALS	TOTAL ACRES IRRIGATED	FRUITS	TOTAL ACRES IRRIGATED	TOTAL ACRES IRRIGATED
1. CORN _____	_____	21. APPLES _____	_____	41. NURSERY _____
2. RICE _____	_____	22. BERRIES ALL _____	_____	
3. WHEAT _____	_____	23. CHERRIES _____	_____	
4. OTHER _____	(SPECIFY) _____	24. CITRUS ALL _____	_____	
		25. GRAPES TABLE _____	_____	
		26. GRAPES OTHER _____	_____	51. NUTS _____
		27. KIWI _____	_____	(SPECIFY) _____
		28. PEACHES _____	_____	
FORAGE				
11. ALFALFA HAY _____	_____	29. PEARS _____	_____	
12. HAY OTHER _____	_____	30. PLUMS _____	_____	
13. IRRIGATED PASTURE _____	_____	31. OTHER _____	(SPECIFY) _____	61. OTHER _____
14. SILAGE _____	_____			(SPECIFY) _____
15. OTHER _____	(SPECIFY) _____			
				71. FAMILY GARDENS, ORCHARDS, YARDS REPORT ACRES ONLY _____

PARCEL NUMBERS _____

COMMENTS _____

CONDITIONS OF ACCEPTANCE OF INTERMITTENT FLOW IRRIGATION WATER SERVICE

1. Application for intermittent flow irrigation water is made on the reverse side hereof under and subject to the Rules and Regulations and rates of tolls and charges adopted or to be adopted by the Board of Directors of Nevada Irrigation District. Applicant hereby grants the right to the Nevada Irrigation District to install, maintain, control and regulate any measuring devices, meters, delivery gates and valves in any waterway necessary for the distribution, measurement and control of water delivered under this application. Applicant agrees to indemnify District, its officers or employees from any claims of damages to persons or property, including Applicant, occasioned through the exercise of such rights or for the negligent, wasteful or other use or handling of water by the Applicant or District.
2. The District expressly reserves the right to recapture, re-use and re-sell any return flow which shall have passed from the premises of the applicant.
3. District makes no express or implied warranty or representation regarding the service under this application or the potential of damage to the property or persons of Applicant or third persons arising from the service. Applicant agrees that it has fully investigated these subjects prior to execution of this application.
4. Intermittent flow irrigation water furnished by the District cannot be supplemented by an auxiliary supply and therefore cannot be considered or classified as a dependable supply. Water sold under this application is subject to pollution, outages, shortages, fluctuation in flow and interruption in service. District employees are forbidden to make any agreements binding the District to serve an uninterrupted constant supply of water. All water furnished by the District will be on the basis of irrigation deliveries for agricultural crops and every user putting the water to other uses does so at his own risk and by doing so assumes all liability for and agrees to hold the District and its officers and employees free and harmless from the liabilities and damages that may occur as a result of defective water quality, outages, shortages, fluctuations in flow and interruptions in service. Applicant agrees that District, its officers or employees will not be liable for defective quality of water, shortage of water, either temporary or permanent, or for failure to provide such non-firm water and Applicant shall indemnify District from any claims or expenses incident to defending such claims. District shall have no liability for damages to Applicant or other persons or property occasioned through defective conduits, meters or measuring devices.
5. Applicant shall:
 - a. Provide all necessary ditches and facilities to conduct such water from the source to the Applicant's land.
 - b. Be solely responsible for any damage caused directly or indirectly by water delivered under this agreement.

- c. So reasonably handle water supplied hereunder that there shall be no unnecessary waste or damage to third persons.

6. This contract shall not create or convey any right, title or interest, legal or equitable, in or to the property, ditches, water and water rights of district nor interfere with or obstruct the full, free and unobstructed use and disposition thereof by District; and District shall have full control of the distribution of water through its canal system and the right to establish and enforce such rules and regulations (on file at District office) as it may deem expedient; and the furnishing of water hereunder shall not give rise to user or other party of any right to require water to be furnished to said lands, or any part thereof, or other lands, or become the basis of a permanent right.

7. District does not undertake to (1) maintain the watercourse or water carrying facilities utilized in this service nor (2) to participate in any action or proceeding to defend or quantify Applicant's right to utilize any part of the flow in the watercourse under this application.

NAME: _____ ACCOUNT NO: _____
 FACILITY: _____

2000 OUTSIDE DISTRICT SURPLUS RAW WATER AGREEMENT

THIS AGREEMENT is made and entered into on _____ by and between NEVADA IRRIGATION DISTRICT, hereinafter referred to as "DISTRICT" and _____, hereinafter referred to as "APPLICANT".

RECITALS

WHEREAS, District owns certain water and water rights which are held in public trust and dedicated for use upon lands within the boundaries of District; and

WHEREAS, District has at times, water (hereinafter referred to as "surplus water") not actually needed for use upon lands within the boundaries of District, but subject to being put to such use at any time; and

WHEREAS, Applicant is the owner of certain land or lands located outside of the boundaries of District, which lands are located in _____ County, more particularly described as County Parcel _____ and desires to purchase surplus water on temporary basis for agricultural purposes.

NOW, THEREFORE, the parties hereto do mutually agree as follows:

1. Recitals: The recitals set forth herein are an integral part of this Agreement.
2. Sale of Surplus Water: District agrees to sell to Applicant for the period April 15, ____ to _____, surplus water for agricultural purposes, provided, however, that such water shall be supplied only at such times, and in such quantities and at such rate of flow as District, in its sole discretion, from time to time, determines Applicant should be so supplied in light of other needs, and water will not be supplied hereunder when needed for use within the District.

3. District's Charges to Applicant for Service and Supply of Surplus Water. Applicant hereby requests water from District at the following rates:

Seasonal Miners Inches	Charges
_____ Additional Outlet (s) _____	Energy Surcharge _____
Winter Service Miners Inches _____	Charges _____
State/County Mandated Fees: _____	TOTAL CHARGES _____

TERMS OF PAYMENT: BELOW INCLUDES CREDIT BALANCE OF

1. TOTAL CHARGES DUE WITH APPLICATION:
2. BALANCE OF CHARGES DUE ON OR BEFORE JUNE 15:
 - A. Charge for Late Payment: Applicant shall pay a late payment charge equal to ten percent (10%) of the amount of charges remaining unpaid on July 15, ____, October 15, ____, and February 15, _____. The ten percent (10%) late payment

charge shall be added to and become a part of the total balance due and owing District by Applicant.

B. Applicant's Grant of a Lien to District for Delinquent Water Charges: Applicant hereby grants District a lien upon all lands owned or subsequently acquired by Applicant for purposes of securing water charges which remain unpaid by applicant following the date of July 15, _____. By the execution of this Agreement, Applicant understands and agrees that the District may have a lien on all lands owned or subsequently acquired by Applicant should Applicant fail to pay water charges incurred pursuant to the terms of this Agreement on or prior to the date of July 15, _____. Applicant also agrees that the lien procedure as set forth in this Agreement is in addition to the right of District to discontinue water service without notice to applicant. Should Applicant incur charges for water service pursuant to the terms and provisions of this Agreement, which charges become delinquent, and should District elect to place a lien upon land owned or subsequently acquired by Applicant in accordance with Water Code Section 25806, Applicant understands and agrees that Applicant may obtain a release of said lien by promptly remitting all charges due and owed District at District's main offices located at 1036 W. Main Street, Grass Valley, California. Upon District receiving full payment from Applicant for all charges for water service pursuant to the terms of the Agreement, District shall prepare and record a Satisfaction and Release of Lien.

4. Rules and Regulation of District: Applicant understands and agrees that all water provided and served Applicant pursuant to the terms and provisions of this Agreement is provided subject to the District's Rules and Regulations adopted by District from time to time. Nevada Irrigation District does not hold itself liable to the applicant for failure to perform any of the obligations imposed upon it or assumed by it under this application if such failure shall be caused by inevitable accident Act of God, fire, strikes, riots, was, shortage in seasonal water supply or any other cause beyond the reasonable control of the District.

5. Water to be Used for Agricultural Irrigation Purposes Only: Applicant understands and agrees that District service of agricultural irrigation water to Applicant pursuant to the terms and provision of this Agreement is solely for agricultural irrigation purposes and that the water and service facilities are not deemed suitable for any use except propagation of agricultural crops. Applicant understands that should water be used for any other purposes other than the propagation of agricultural crops such as for domestic purposes, etc., serious illness could result.

6. Creation of Water Right Excluded: Applicant and District agree that the terms and provisions of this Agreement shall not create or convey any right, title or interest, legal or equitable, in or to the property, ditches, conduits, water or water rights of District, nor interfere with or obstruct the full, free and unobstructed use and disposition thereof by District; and District shall have full control of the distribution of water throughout its system, including the right to establish and enforce such rules and regulations as District may deem expedient from time to time, and the furnishing of water hereunder to Applicant shall not give rise by use or otherwise to any right of applicant to require water to be furnished to said property of Applicant or become the basis of a permanent water right.

7. Applicant to Furnish Facilities and Rights of Way to District's System: Applicant understands and agrees that Applicant shall provide at his sole cost and

expense all necessary pumps, pipes and water distribution facilities related thereto, which facilities are necessary to conduct and convey water from the existing District system to Applicant's property. Applicant shall also be responsible for obtaining all rights-of-way or other interests in real property which are necessary to convey and conduct water from District's existing system to Applicant's property.

8. Applicant Shall Hold District Harmless: Applicant understands and agrees that Applicant is fully responsible for all damages caused by reason of water delivered to Applicant pursuant to the terms and provisions of this Agreement. In this regard, Applicant shall hold District, its officers, directors and employees free and harmless from any and all claim, liability or damage in the event Applicant suffers some damage or injury by virtue of not receiving water pursuant to the terms and provisions of this Agreement or receiving such water in an inadequate supply.

9. Use of Water: Applicant understands and agrees that water delivered to Applicant by District pursuant to the terms of this Agreement shall not be used on property other than that set forth in the terms of this Agreement.

10. Binding Upon Successors in Interest: The terms and provisions of this Agreement shall be binding upon the heirs, executors, administrators, successors in interest and assigns of the parties hereto.

11. Time is of the Essence: Time is of the essence of each of the terms and provisions of this Agreement.

12. Attorney Fees: Should any litigation be instituted or commenced relating to a breach of any term or provision of the Agreement or to specifically enforce a term or provision of this Agreement or to recover costs, charges, etc., then and in that event the prevailing party in such litigation shall be entitled to attorney fees and costs of litigation including, but not limited to, deposition costs, expert witness fees and consultant's fees.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date and year first above written.

NEVADA IRRIGATION DISTRICT

By _____
General Manager

By _____
Applicant

Mailing Address of Applicant

By _____
Authorized Agent of Applicant

Mailing Address of Authorized
Agent of Applicant

NEVADA IRRIGATION DISTRICT

ACCOUNT/OUTLET BOX DELETION REQUEST

In order to delete your account, or have one or all of your outlet boxes removed, as you have requested, you must sign and date in the space provided and return this form to Nevada Irrigation District.

By signing for a deletion, you agree to relinquish all rights to the outlet box.

If you should decide to resume water service, you must apply for a new account by completing a route sheet, signing an application and paying the current fees. The new service will be granted only if water is available.

PARCEL NO. : ACCT. NO.:

BOX NO: ROUTE NO: CANAL NAME:
FACILITY #:

SERVICE ADDRESS:

NAME:

MAILING ADDRESS:

- REMOVE OUTLET BOX (If there are multiple boxes on the account)
- REMOVE OUTLET BOX AND DELETE ACCOUNT
- DELETE ACCOUNT (Private Pipelines Only)
- REMOVE ORIFICE PLATE

DATE MAILED INFORMATION COMPLETED BY

I have read, understand and agree to the foregoing conditions as checked above.

SIGNATURE _____ DATE _____

Please return signed form
by:

<p>MAINTENANCE USE ONLY:</p> <p>BOX # _____ REMOVED ON _____</p> <p>BY _____</p>

**AUTHORIZATION FOR THE NEVADA IRRIGATION DISTRICT
TO PROVIDE WATER SERVICE FROM A PRIVATE CONDUIT**

Date _____ Phone _____
Name _____
Address _____
APN _____
Service Address _____
Amount Requested _____ M.I.
Route No. _____
WDO _____

FOR DISTRICT USE ONLY	
Acct. No. _____	Nev. Co. _____
	Placer County _____
Exist. Sales _____	Outlet Size _____
Acres _____	Initiated by _____
Customer Notified of Possible Charges for Upsizing Service _____	
Approved Raw Water Supervisor _____	

The undersigned, being applicants requesting water service through the hereinafter described private conduit, and the owners of said private conduit do hereby request and authorize the Nevada Irrigation District, on behalf of applicant and at applicant's sole cost and expense, to deliver into said owner's private conduit the water purchased by applicant, more particularly described as follows:

Served from Facility Name _____ Facility Number _____
Private Conduit Name _____ NID Outlet No. _____

It is understood by the undersigned that water service in connection with the private conduit is subject to the following terms, covenants, and conditions, all of which are hereby agreed to by the undersigned.

1. It is understood and agreed that the water service is subject to the regulations, conditions of acceptance of water service as set forth in applicant's application for water service, and rates, tolls and charges now in effect and as hereinafter established from time to time by the Nevada Irrigation District Board of Directors.
2. It is further understood and agreed that the District does not guarantee continuous or adequate service; that its obligation to deliver water ceases at its diversion from the Nevada Irrigation District conduit, and that the service is subject to the conditions and limitations of the private conduit through which service is being made.
3. It is further understood and agreed that the District reserves the right to discontinue service if private conduit is not maintained by its owner or owners at all times in a manner which will meet with the District's approval.
4. It is further understood and agreed that the District shall not be responsible for the quality of water or any damages in connection with the water delivered to the undersigned through said private conduit. In this connection, the undersigned do hereby agree to hold the Nevada Irrigation District, its agents, servants and employees free and harmless from any damages or liability resulting therefrom or in connection with said private conduit.

This application and permit shall bind and benefit the undersigned, their heirs, successors and assigns and is revocable by owner(s) with due notice, and written notification to District and Applicant.

Applicant Name (print) _____ Signature _____ Date _____

Owner Name (print) _____ Signature _____ Date _____

Owner Name (print) _____ Signature _____ Date _____

NEVADA IRRIGATION DISTRICT

ISSUED
BY _____

1036 W MAIN STREET,
GRASS VALLEY, CA 95945

(530) 273-6185
1-800-222-4102 AUBURN

TURN ON – OFF REQUEST

FACILITY _____		ROUTE # _____	DATE _____
CLASS OF SERVICE		CYCLE ACCOUNT	
<input type="checkbox"/> RAW WATER	BOX # _____	LOCATION _____ NEVADA _____	
<input type="checkbox"/> TREATED	METER # _____	INSIDE DISTRICT _____ PLACER _____	
BOOK # _____	PARCEL # _____	OUTSIDE DISTRICT <u>1234</u> _____ YUBA _____	
NAME _____		PROPERTY ADDRESS _____	
OWNER'S SIGNATURE <u>X</u> _____		<input type="checkbox"/> REGULAR WORKING HOURS TURN ON	
DATE TURN ON _____	DATE TURN OFF _____	<input type="checkbox"/> AFTER HOURS TURN ON	
		TURN ON FEE \$ _____	

COMMENT _____

ACTION TAKEN

TURN ON

DATE _____

TURN OFF

TIME _____ AM/PM

REMARKS OR OTHER ACTION _____

DATE THIS SLIP RETURNED
TO OFFICE:

SIGNATURE

SERVICE WORKER/METER READER

NEVADA IRRIGATION DISTRICT
APPLICATION FOR PUBLIC FIRE HYDRANT

APPLICANT

DATE: _____

NAME:

ADDRESS:

THE APPLICANT HEREBY APPLIES TO THE NEVADA IRRIGATION DISTRICT FOR A PUBLIC FIRE HYDRANT AT THE LOCATION DESCRIBED BELOW: (ATTACH LOCATION SKETCH, IF NECESSARY).

THE INSTALLATION OF THE PUBLIC FIRE HYDRANT SHALL BE GOVERNED BY THE DISTRICT'S REGULATIONS.

APPLICANT UNDERSTANDS AND AGREES THAT DISTRICT DOES NOT ASSUME LIABILITY OR RESPONSIBILITY FOR THE PROVISION OR SUPPLY OF WATER OR FACILITIES FOR FIRE PROTECTION AND APPLICANT AGREES TO HOLD DISTRICT FREE AND HARMLESS FROM INJURY OR DAMAGE CAUSED FROM LACK OF WATER OR PRESSURES IN DISTRICT'S LINE.

SIGNED: _____

(APPLICANT)

OFFICIAL USE ONLY

FIRE DISTRICT APPROVAL (Fire District or similar agency, if there is one)

NAME _____

By _____
(signature)

ADDRESS _____

Title _____

Date _____

NEVADA IRRIGATION DISTRICT APPROVAL

By: _____
(Signature)

Title: _____

Date: _____

Deposit Received: _____
(amount)

NEVADA IRRIGATION DISTRICT

1. APPLICATION FOR PRIVATE FIRE SERVICE

The Applicant hereby applies to the Nevada Irrigation District for a _____ inch private fire service to be installed at the following location: (attach location sketch, if necessary)

Will a domestic water service be required at this site? Yes___No___. If yes, please complete Form 4-A, Request for New Treated Water Service.

The Applicant agrees to hold District free and harmless from injury or damage caused from lack of water or pressure in the District line and also acknowledges that backflow protection will be required at service connection should any chemical additive or auxiliary water be required for fire fighting purposes and that the private fire service installation shall be governed by the District's regulations.

Date _____ Assessor's Parcel No. _____

Owner's Name _____ Phone _____
Owner must sign (Application)

Mailing Address _____

Contractor/Representative _____ Phone _____

Mailing Address _____

Applicant is responsible to route application through Fire Dept.

2. FIRE DISTRICT USE ONLY

Class of Fire System

Check One:

- Class I – Direct connections from domestic water mains only; no pumps or reservoir; no physical connections to other water supplies; no anti-freeze or other additives of any kind; and all sprinkler drains discharge to atmosphere.
- Class II – Same as Class I, except that booster pumps may be installed in the service lines from the street mains. A connection for a fire pumper truck may be provided if the requirements outlined in the Joint Informational Bulletin are met. (See Appendix A).
- Class III – Direct connection to public water supply main, with on-site storage or pressure tanks. All storage facilities must only be filled by or connected to the public water supply, and the water in these facilities must be maintained in a potable condition.
- Class IV – Directly supplied from public mains similar to Classes I and II, with an unapproved auxiliary water supply on or available to the premises, or a connection for fire pumper trucks that does not meet the requirements in the Joint Informational Bulletin.
- Class V – Directly supplied from public mains and interconnected with unapproved auxiliary supplies, such as: pumps taking suction from reservoirs exposed to contamination, or from rivers, ponds, wells, or industrial water systems; or systems where anti-freeze or other additives are used.
- Class VI – Fire suppression systems supplied from both an industrial water system and the public water system, with or without gravity storage or pump suction tanks.
- Other (explain) _____

Will any anti-freeze or other chemical additive be required in the private fire system?

Yes _____ No _____

If yes, please explain _____

FIRE DISTRICT _____

By _____
(signature)

Address _____

Title _____

Date _____

3. N.I.D USE ONLY

OPERATIONS DEPARTMENT

Backflow Prevention Device Needed? Yes _____ No _____

Type of Device _____ Size _____ Model _____

Reason _____

By _____ Date _____

ENGINEERING DEPARTMENT

Deposit Received _____ By _____ Date _____

NEVADA IRRIGATION DISTRICT

PRIVATE FIRE SERVICE TO MORE THAN ONE PARCEL

The Applicant hereby applies for more than one parcel, as listed below, to be served from a private fire service. It is hereby certified that the Applicant is a landowner as listed below, or a credit-worthy legal entity and will be responsible for paying water use and other periodic charges associated with the private fire service. The Applicant will also be responsible for providing a contact for outage notices, etc.

Applicant

Contact Person

Phone Number

By signing below, the landowners utilizing the private fire service acknowledge the District's right to lien their property for delinquent charges and that the fire service may be discontinued for nonpayment of charges and accept all risk of such discontinuance.

PARCEL NO.

LANDOWNER'S SIGNATURE

NEVADA IRRIGATION DISTRICT APPROVAL

By _____

Title _____

Date _____

NEVADA IRRIGATION DISTRICT
APPLICATION FOR PUBLIC RAW WATER FIRE SERVICE

Date _____ Fire Service No. _____ Size of Service _____

(Estimated) Installation Charge _____ Deposit Required _____

The following organized PUBLIC FIRE PROTECTION DISTRICT,

called Fire Department, hereby applies to the NEVADA IRRIGATION DISTRICT for a PUBLIC RAW WATER FIRE SERVICE at the following service address or location:

1. The Fire Department shall pay to the District, prior to the installation of said service, the total estimated cost of all materials, labor, and other costs incidental of the District's portion of the installation.
2. The time of installation or maintenance of the Public Raw Water Fire Service by the District shall be determined by the District on the basis of its overall scheduling requirements and needs, taking into account such factors as the availability of work crews, materials, equipment, other commitments and contracts of the District, and emergency jobs or installations. The District shall determine questions of overall District priorities.
3. The said service shall be connected to the District's general raw water distribution system at an approved location. No service will be allowed off of siphons. The service shall be subject to extreme variations in flow and temporary and extended shutdown periods required in the normal operation of the system. The District will be under no obligation to continue service in case of abandonment of the raw water facility on which the service is located.
4. It is understood that water delivered to the service may contain a certain amount of debris that could affect the quantity of water available to the fire service because of plugging or clogging. The District shall be held in no way responsible for loss or damages sustained due to such variations, temporary, or extended shutdowns. It is agreed that an in-line storage sump (of a size to be determined by the Fire Department) is needed downstream of the District's service point to provide fire protection during periods when water service is interrupted in the raw water distribution system.
5. The District does not guarantee or represent, and the Fire Department does not request that a specific or certain minimum volume of water will be available through said service at any time or times. The Fire Department agrees to hold District free and harmless from injury or damage caused from lack of water at the District facility.

6. The said service shall be used only for the purpose of extinguishing accidental fire (which shall include any of incendiary origin), and no connections of any kind whatever, other than to hydrants and hose reels, shall be made or permitted to be made to the pipe(s) supplied by said service. Discovery of any unauthorized service will result in termination of said fire service until the illegal connection has been removed and the point of illegal connection has been restored to a condition satisfactory to the District.
7. No charge will be made for water used for extinguishing accidental fires, but any water lost through leakage or used in violation of the above provisions shall be paid for by the Fire Department at double the applicable charge for water delivered.
8. The District's ownership and maintenance responsibility ends at the discharge side of the shut-off valve located immediately downstream of the service point. The Fire Department will own and maintain the fire service below said shut-off valve in a condition that will prevent any leakage of water from said fire service. Any noted leakage from the fire service will be grounds for terminating service until the situation is corrected. Periodic flushing of said service to remove accumulated debris will be permitted at no cost to the Fire Department.
9. Fire Department and the District agree that the District is not an insurer, and that it is impractical and extremely difficult to fix actual damages, if any, which may proximately result from a failure of the public raw water fire service or any phase thereof including the raw water distribution system and, in the case of failure of said service or any phase thereof, including the water distribution system and a resulting loss, the District's liability hereunder shall be limited to and fixed at the above cost of installation as liquidated damages, and not as a penalty, and this liability shall be exclusive.
10. This application is not operative until signed by an authorized representative of the District.
11. In case of the violation of any of the conditions contained in this application, the District may disconnect said service and in such event the District shall not be held in any way liable for loss or damage sustained due to such action.
12. The Applicant further agrees to be governed by the District's rules and regulations and charges in force, and such as may be adopted during the time the service is rendered at said location.

OFFICIAL USE ONLY

FIRE DISTRICT APPROVAL

(Fire District or similar agency if there is one)

NAME _____

By _____
(signature)

ADDRESS _____

Title _____

Date _____

NEVADA IRRIGATION DISTRICT APPROVAL

By _____
(signature)

Title _____

Date _____

Deposit Received _____
(amount)

CONVEYANCE AGREEMENT – MASTER

FORM 10-A

LEGEND

- ZZ** – Developer’s name (In Caps) =
- <<** -- Street address of Developer =
- >>** -- City, state, and zip code of Developer =
- YY** – Parcel number =
- ww** – Project known as, etc. =
- xx** – Filed in District office as =
- vv** – Engineering Firm =
- uu** – Description listing length & diameter of pipe, etc. =
- ##** – How many sheets =
- qq** – County in =

AGREEMENT

(Conveyance)

THIS AGREEMENT, made and entered into this _____ day of _____, 20____, by and between the NEVADA IRRIGATION DISTRICT, hereinafter referred to as "District" and ZZ, hereinafter referred to as "Developer".

Recitals

WHEREAS, Developer has prepared or caused to be prepared, at Developer's sole cost, expense, and responsibility, plans and specifications entitled ww, (filed in District's office as xx"), as prepared by vv for construction of water system improvements consisting generally of uu and all appurtenances thereto, to provide treated water to qq County AP YY, a copy of which is attached hereto marked Exhibit "A" and made a part of this Agreement; and

WHEREAS, the plans and specifications contained in Exhibit "A" meet with the Department of Public Health and District Engineer's acceptance; and

WHEREAS, the facilities and lands to be served treated water by said water system improvements lie within the boundaries of the District and are more particularly described in Exhibit "A"; and

WHEREAS, Developer desires District to accept said water system improvements into District's overall water system upon completion; and

WHEREAS, District, subject to the following terms and conditions, as well as those contained in the District's Regulations Relating to Water Service, is willing to accept said water system improvements upon completion, provided the water system improvements are constructed in accordance with the plans and specifications and in a manner meeting District's approval;

NOW, THEREFORE, the parties mutually agree as follows:

ARTICLE 1 - RECITALS: The recitals contained herein are an integral part of this Agreement.

ARTICLE 2 - PLANS: Attached hereto marked Exhibit "A" and made a part of this Agreement is one set of plans reduced to 11" x 17", prepared by the Developer's licensed civil engineer, and consisting of ## sheets, and specifications for construction of water system improvements. The District's acceptance of these plans and specifications does not constitute a warranty or guaranty by District of proper design nor does it relieve Developer of responsibility for the proper design and construction of the improvements thereon.

EITHER

ARTICLE 3 – CAPACITY CHARGES AND CONNECTION FEES: Pursuant to Section 10.07 of the District's "Regulations Relating to Water Service", a capacity charge for a minimum size meter shall be paid by the Developer for each parcel to be served by the water system improvements, prior to District's acceptance of the improvements. The capacity charge for a

EXHIBIT B

minimum-size meter shall be as shown in Schedule 4-A, entitled, "Treated Water System, Standby Charges, and Connection Fees", which is attached hereto and marked Exhibit "B" and made a part of this Agreement. Therefore, Developer, prior to conveying the water system improvements to District, agrees to and shall pay District the then current capacity charges for a 5/8-inch meter (currently \$_____) for each of the _____ parcels shown in Exhibit "A". Based on the current Schedule 4-A, the total capacity charges to be paid prior to conveyance equals \$_____. Developer understands and agrees to be bound by any District alterations, additions, amendments, revisions, or modifications to Schedule 4-A, or any other District policies, rules, or regulations.

Those parcels described in Exhibit "A", upon application for water service, shall be credited the then current capacity charges for a 5/8-inch meter and shall otherwise be subject to all connection fees as shown in the then current Schedule 4-A, or its equivalent, and all other then applicable fees and charges.

OR

ARTICLE 3 – CAPACITY CHARGES AND CONNECTION FEES: Developer shall prepay Capacity charges. The Capacity Charge for the type of development covered by the Conveyance Agreement shall be as shown in the most current edition of Schedule 4-A, entitled, "Treated Water System, Standby Charges, and Connection Fees", which is attached hereto and marked Exhibit "B", and made a part of this Agreement. Therefore, Developer agrees and shall pay District, prior to conveying the water system improvements to District, the then current capacity charges for each of the [Number & Description of Units]. Based on the current Schedule 4-A, capacity charges are \$_____ per unit. Therefore, based on the current Schedule 4-A, the total charges to be paid prior to the conveyance equals \$_____.

Developer agrees to, and shall pay District, the then current meter installation charges as shown in Schedule 4-A at the time of making application for water service. Developer also agrees to, and shall pay District, all other applicable fees and charges for water service.

Developer understands and agrees to be bound by any District alterations, additions, amendments, revisions, or modifications to Schedule 4-A, or any other District policies, rules, or regulations.

OR

ARTICLE 3 - CONNECTION FEES: Attached hereto and marked Exhibit "B" and made a part of this Agreement, is Schedule 4-A of the Board of Directors of Nevada Irrigation District entitled, "Treated Water System, Standby Charges, and Connection Fees". Developer understands and agrees to be bound by any District alterations, additions, amendments, revisions or modifications to Schedule 4-A or any other District policies, rules, or regulations. All parties hereby agree hereto that District is entitled to those connection fees (the sum of the meter installation and capacity charges) as specified in Schedule 4-A. District shall collect said connection fees at the time application for water service is made. It shall be incumbent upon the water service applicant to pay the then current connection fees and all other then applicable fees and charges.

If Required

ARTICLE 4 - ENGINEERING, PLAN-CHECK, AND INSPECTION SERVICES PERFORMED BY DISTRICT: District and Developer understand and agree that Developer shall assume the cost and expense of District's performance of "engineering, plan-check, and inspection services", hereinafter referred to as "inspection", in connection with Developer's construction of water system improvements described in Exhibit "A" attached hereto. Developer shall deposit the sum of \$_____, receipt of which is hereby acknowledged by District, which sum shall be applied to Developer's payment for inspection services performed by District. Should the fee for inspection services exceed the above deposit, Developer agrees to pay any balance due within 30 days after the date of the billing. A late payment charge of 1.5 percent per month will be added on any unpaid balance thereafter. Furthermore, the Developer agrees to pay any balance due prior to offering the improvements to District. District shall not accept conveyance until any balance due is paid. Should the fee for inspection services be less than the above deposit, District shall refund the remaining amount to Developer. The primary purpose of this paragraph within Article 4 is intended to compensate and reimburse District for any and all inspection services performed in connection with Developer's construction of treated water system facilities described in Exhibit "A" attached hereto. District's acceptance of payment for inspection services performed is not a warranty or guarantee by District of proper design or proper specifications of materials or construction.

ARTICLE 5 - LABOR AND MATERIAL PAYMENT BONDING REQUIREMENTS: The Developer shall defend and indemnify the District against all claims for nonpayment of labor, material, and other obligations incurred by the Developer, its agents, contractors, employees, and assigns. The estimated cost of construction of the water system improvements is \$_____.

Should the estimated cost of constructing the improvements be less than \$50,000 at the time of offering the water system improvements to the District, the Developer shall provide a written "OFFER OF DEDICATION" in the form as described in Exhibit "C" attached hereto and made a part hereof. The "OFFER OF DEDICATION" shall state inter alia that the improvements are free and clear of all liens, encumbrances, and other expense.

Should the estimated cost of constructing the water system improvements be less than \$500,000, but more than \$50,000, in addition to supplying a written "OFFER OF DEDICATION" in the form as described in Exhibit "C", the Developer shall either submit a "RELEASE" agreement in the form of Exhibit "D", attached hereto and made a part hereof, from each and every contractor, subcontractor, corporation, firm, person, or business entity furnishing materials for or performing labor or other services in performing the terms and provisions of this Agreement, or a Labor and Material Payment Bond to the District in the form prescribed by Exhibit "E" attached hereto and made a part hereof the principal sum of not less than the estimated construction cost as provided herein. In addition, Developer shall maintain an accurate and current list of all contractors, subcontractors, business entities, corporations, firms, and/or persons performing the terms and provisions of this Agreement, and shall make this list available to the District engineer upon request.

Should the estimated cost of constructing the water system improvements be in excess of \$500,000, the Developer shall, prior to commencing construction, submit a Labor and Material Payment Bond in the form as shown in Exhibit "E" attached hereto and made a part hereof. The bond shall be obtained at the sole cost of Developer and shall be in a principal amount of not less than the estimated cost of construction as set forth herein. In addition, the Developer shall, at the time of offering the water system improvements to the District, provide an "OFFER OF DEDICATION" statement in the form as set forth in Exhibit "C", attached hereto and made a part

hereof, which statement verifies that the water system improvements are free and clear of all liens, encumbrances, and other expense.

ARTICLE 6 - INSURANCE REQUIREMENTS: Prior to Developer's commencement of construction of the water system improvements as otherwise set forth in the terms and provisions of this Agreement, general liability insurance naming the District as additional named insured shall be taken out and maintained for the duration of this Conveyance Agreement by Developer or Developer's contractor for claims for damages to property, personal injury, bodily injury, and accidental death. The types of insurance covered under the general liability policy shall include, but not be limited to, comprehensive form, premises-operations, underground hazard, products/completed operations hazard, broad form property damage, independent contractor, and personal injury. Prior to any blasting operations for removal of rock, stumps, or other materials from the work area, the general liability policy must also contain explosion and collapse hazard coverage. It shall also include coverage for Products-Completed Operations liability losses for a period of 12 months from the date of District's acceptance of the completed works. (This time period corresponds with the 12-month maintenance bond requirement.) All insurance acquired under the terms of this article must be obtained through an insurance company authorized and licensed to do business in the State of California. The general liability policy shall contain limits of liability as follows:

1. Bodily Injury: \$1,000,000 for each occurrence, \$1,000,000 aggregate
2. Property Damage: \$500,000 each occurrence, \$500,000 aggregate.

General Liability Insurance policies having combined single limits damage combined of liability shall carry limits for bodily injury and property damage combined of \$1,000,000 each occurrence and \$1,000,000 aggregate.

The certificate of insurance shall also have a description of operations/locations/vehicles that refers specifically to the water system improvements.

ARTICLE 7 - PROOF OF INSURANCE: The Developer shall submit or cause to be submitted a copy of the insurance policy(ies) with endorsements and exclusions, and shall submit a certified copy of the endorsement naming the District as additional insured to the District as proof of general liability insurance as required by this Agreement. Developer shall receive District approval that the insurance requirements of this Agreement have been met. The Developer must receive this approval prior to the start of construction pursuant to the terms of this Agreement.

ARTICLE 8 - HOLD HARMLESS AND INDEMNIFICATION: Developer shall hold District and District's agents, officers, and employees harmless from any and all claims, lawsuits, acts, or omissions arising out of Developer's performance of the terms and conditions of this Agreement. Likewise, Developer shall defend and/or pay the cost of defending and indemnifying District together with District's Agents, employees, and officers from all civil proceedings, claims, and/or judgments including, but not limited to, payment of all attorney fees and litigation costs.

ARTICLE 9 - INSPECTION OF WORK: Developer shall give two working days' advance notice prior to Developer's contractor starting any work associated with the water system improvements and shall keep District informed of construction schedules throughout the course of the work in order for District to properly schedule inspection personnel. It is suggested that Developer's contractor provide District submittals on any materials proposed for the water system improvements for approval prior to purchase.

Eff. 11/26/03; rev. 1/26/11

ARTICLE 10 - BEGINNING OF WORK OR TERMINATION: This Agreement shall terminate and be of no further force or effect at District's discretion should District determine that Developer has failed to cause construction of the water system improvements as shown on Exhibit "A" to commence within nine (9) months from the date of this Agreement.

For purposes of this Article, Developer's commencement of construction shall not be deemed to have occurred upon one or any combination of the following actions or events:

1. Bid advertisement
2. Execution of contracts or bonds
3. Ordering of material and supplies or the delivery and stockpiling of materials and supplies on the job site.
4. Clearing and grubbing for or construction of roads including the completion of rough subgrade work.

District and Developer understand and agree that construction upon the water system improvements shall be deemed to have commenced when Developer causes its properly-licensed contractor to excavate and backfill pipeline in excess of 10 percent of the total water system to be constructed pursuant to the terms of this Agreement. The District engineer shall make the determination as to the percentage of water system caused to be constructed and installed by Developer.

ARTICLE 11 - CONSTRUCTION: Developer shall cause the water system improvements described in Exhibit "A" to be constructed by a properly-licensed contractor, without expense to District, and District shall not be responsible for any of the cost of said improvements. The Developer is not acting as a contractor, agent, official, or representative of District in constructing or providing such water system improvements, or in causing such improvements to be installed. This Agreement simply provides for the transfer and assumption of responsibility for such water system improvements to be installed upon completion and upon performance of all terms of this Agreement to be performed by Developer. The approval of the plans and specifications as presented by Developer shall not be deemed as a warranty or guarantee by District of proper design or proper specifications of materials or construction. District specifically relies upon the design and specifications as prepared or caused to be prepared by Developer as being in keeping with the requirements of District, as being in accordance with the conditions of the geography, and as having specific materials and equipment of the highest practicable quality and character. The Developer will provide a licensed civil engineer to act as the project engineer during construction.

ARTICLE 12 - NOTIFICATION OF DEVIATIONS OR FAILURES: District agrees to notify Developer in writing as to any deviations or failure in construction of the water system improvements pursuant to said plans and specifications, and the requirements of said District as soon as any deviation is brought to District's attention, and Developer shall immediately cause such deviation or failure to be corrected at the sole cost of Developer. Developer agrees that District is not, by inspection of the construction or installation of the improvements, representing Developer or providing a substitute for inspection and control of the work by Developer. Developer agrees that any inspections and observations of the work by District are for the sole purposes of providing notice of the stage and character of the work. Developer agrees that the failure of the District to note variances from the plans and specifications for the project does not excuse or exempt Developer from complying with all terms of these plans and specifications.

ARTICLE 13 - REIMBURSEMENT FOR MONIES EXPENDED BY DEVELOPER: Should Developer desire reimbursement for the monies expended in the installation and construction of water system improvements as provided in the terms and provisions of this Agreement in addition to all other monies expended for the acquisition of rights of way and employment of engineers and contractors for construction, planning, and design of the water system improvements, then Developer shall request such reimbursement in writing and deliver such writing to District headquarters 30 days prior to conveyance of the water system improvements to District as provided in Article 15 herein. District, upon receiving Developer's written request for reimbursement for monies expended pursuant to the terms and provisions of this Agreement, will then determine whether or not Developer is entitled to reimbursement pursuant to District policies, rules, and regulations then in effect. Should District determine that Developer may be entitled to reimbursement, then District, in its sole discretion, may enter into a reimbursement agreement with Developer which shall provide for the method and manner by which Developer would achieve reimbursement of its monies expended for the construction and installation of the water system improvements. Should the District, in its discretion, determine to enter into a reimbursement agreement with Developer, such agreement shall be prepared and entered into prior to Developer's conveyance of water distribution facilities to District, all as set forth in Article 15 herein. The reimbursement agreement shall provide for the method and manner by which District may assist Developer in obtaining reimbursement of a portion of monies expended by Developer for the water system improvements constructed pursuant to the terms of this Agreement.

The Developer is advised that for facilities installed with public funds, the Labor Code requires that all craftsmen, mechanics and laborers be paid the local prevailing wages. The District has not ascertained whether or not reimbursement could be construed as public funding. The Developer assumes all risk as to whether reimbursement could be construed as public funding, and indemnifies the District from all liability claims arising or alleged to arise from construction wages not conforming to local prevailing wages.

IF DISTRICT PARTICIPATION (Fee Credit or District Contribution) IS INVOLVED, INCLUDE THE FOLLOWING:

ARTICLE 14 – PREVAILING WAGES The Developer's attention is directed to and the Developer shall comply with Sections 1720 to 1780, inclusive of the California Labor Code,.

All craftsman, mechanics, and laborers employed or working upon the site of the work (water system improvements) will be paid unconditionally and without subsequent deductions or rebate on any account the full amounts due at the time of payment at wage rates not less than those contained in the wage determination which is referenced herein and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Developer, the Developer's Contractor and subcontractors and such laborers and mechanics.

In accordance with Section 1770 of the Labor Code, the District has ascertained that the local prevailing wage rates shall be as determined by the California Department of Industrial Relations. Said rates are accessible on the Internet under the heading "General Prevailing Wage Determination made by the Director of Industrial Relations pursuant to California Labor Code Part 7, Chapter 1, Article 2, Section 1770, 1773 and 1773.1". The Internet address is <http://www.dir.ca.gov/>. The wage determination shall be posted by the Developer's Contractor before start of work, throughout the work, and at the site of work in a prominent place where it can easily be seen by the workers.

The Developer, the Developer's Contractor, and his subcontractors shall comply with Section 1775 of the California Labor Code concerning the payment of prevailing rate of per diem wages. In accordance with this section, should the Developer's Contractor or his subcontractor fail to pay prevailing rates, the Labor Commissioner may assess monetary forfeitures. The Developer will be responsible for payment of any penalties. A labor and material payment bond is required as specified in this Conveyance Agreement.

Eff. 11/26/03

ARTICLE 14 - COMPLETION OF WORK OR TERMINATION: This Agreement shall terminate and be of no further force or effect at District's discretion should District determine that Developer has failed to cause construction of the water system improvements as shown on Exhibit "A" to be completed within one and one-half (1-1/2) years from the date of this Agreement.

For the purposes of this Article, Developer's completion of the construction shall occur upon the District's accepting conveyance of the water system improvements pursuant to Article 15 of this Agreement. Developer further understands and agrees that District may withhold acceptance of Developer's proposed dedication of the facilities should the District Engineer determine that any portion of the water system improvements have failed to pass appropriate pressure and leakage tests or that samples of water taken from the treated water lines and tested are determined not to be safe by the District Engineer. Developer understands and agrees the District may also withhold acceptance of the proposed dedication of water system should the District Engineer determine that Developer failed to complete all other construction either over, under or adjacent to the water system improvements including but not limited to final road grade, paving, curbs, gutters, sidewalks, all other utilities, and restoration of rights of way.

ARTICLE 15 - CONVEYANCE: Upon completion of the water system improvements in a manner meeting District's approval, Developer shall immediately convey said improvements and title thereto free and clear of all liens, encumbrances and expense to District by such conveyance and documents as deemed necessary by District, including but not limited to the following:

1. An executed "OFFER OF DEDICATION" (Exhibit "C") offering the water system improvements shown on Exhibit "A" to the District.
2. "RELEASE" statements (Exhibit "D") from every contractor, subcontractor, corporation, firm or business entity furnishing materials for or performing labor or other services, OR a Labor and Material Payment Bond (Exhibit "E"), all as specified in Article 5.
3. Developer shall provide District with proof satisfactory to District that Developer has acquired all local, state, and federal permits, maps or licenses and that Developer shall comply with all local, state and federal rules, ordinances and regulations relevant to the real property on, over or under which the water system improvements are situated.
4. Payment of capacity charges due District pursuant to then current District rules and regulations and as specified in Article 3 of this Agreement.
5. Payment of any balance due for engineering, plan-check, and inspection services performed by District.
6. One set of 24-inch by 36-inch reproducible "as-built" drawings on Mylar or material of suitable durability of the improvements constructed.
7. All easements and rights of way required by District.
8. The Developer-constructed water system shall be flushed (or re-flushed) and shall pass bacteriological testing no earlier than 14 calendar days prior to the date the General Manager accepts the Offer of Dedication. The Developer shall provide for proper drainage and de-chlorination equipment during flushing operations. **Eff. 11/26/03; rev. 7/29/04**

EXHIBIT B

9. Developer shall furnish a Maintenance Bond in the form prescribed in Exhibit "F" attached hereto and made part hereof in an amount of not less than 20 percent of construction cost of the water system improvements protecting the District against any failure of the work due to faulty materials, poor workmanship, or defective equipment within a period of one year following acceptance of the "OFFER OF DEDICATION" of the water system improvements by the District's Board of Directors.

In place of a Maintenance Bond, the Developer may offer a certificate of deposit or an irrevocable letter of credit meeting the District's approval as to form and financial institute utilized. Certificates of deposit used in lieu of a maintenance bond must be opened either in the Developer's name and specifically assigned to the District or opened on behalf of the District only. The signatory for the District shall be the Treasurer or Assistant Treasurer of the District.

District, upon approving the work in writing, shall accept the "OFFER OF DEDICATION" of the water system improvements and include said improvements into its overall water system and shall operate, maintain, and repair said improvements except as specified during the warranty period.

ARTICLE 16 - APPLICATION FOR WATER: No water shall be delivered to or conveyed by or through the water system improvements shown on Exhibit "A", other than for testing purposes, until said water system is conveyed to District, formally accepted by District, and proper applications for water service have been filed with District and accepted.

ARTICLE 17 - OBLIGATION FOR PIPELINES AND/OR FACILITIES: District shall be under no obligation to provide additional pipelines and/or facilities in order to serve water to Developer's project. Upon acceptance of the water system improvements by District, it shall become the sole property of District and shall be used and operated at District's sole discretion.

EITHER

ARTICLE 18 - RULES AND REGULATIONS: Upon the water system improvements being accepted by District, Developer, its successors and assigns, shall be subject to and shall comply with all of the rules and regulations of District and shall pay the water rates, tolls and charges, and standby charges as they may be levied and/or established by District's Board of Directors from time to time.

For purposes of determining standby charges, each parcel to be served from the water system improvements will be assessed from the District acceptance date regardless of the status of the recording of the final map by the appropriate county.

OR

ARTICLE 18 - RULES AND REGULATIONS: Upon the water system improvements being accepted by District, Developer, its successors and assigns, shall be subject to and shall comply with all of the rules and regulations of District and shall pay the water rates, tolls and charges, and standby charges as they may be levied and/or established by District's Board of Directors from time to time. In addition, Developer, its heirs, successors, conservators, guardians, and assigns shall be subject to compliance with the then current rules and regulations of District governing the conversion of multi-family units such as apartment units to condominium units which conversion currently requires payment of higher capacity fees to District and requires converting the District's

master meters now utilized for apartment (multi-party) units into separate meters for each condominium unit.

For purposes of determining standby charges, each parcel to be served from the water system improvements will be assessed from the District acceptance date regardless of the status of the recording of the final map by the appropriate county.

ARTICLE 19 - ASSIGNMENT: No transfer or assignment may be made by Developer of this Agreement or any part or interest of law unless such transfer or assignment is approved in writing by the District, provided further that District shall not unreasonably withhold consent to transfer or assignment. In the event of such transfer or assignment, District may, at its sole option and in addition to any other remedy that it may have, elect to terminate this Agreement.

ARTICLE 20 - NOTICES: The mailing addresses of District and Developer for purposes of giving any notice required pursuant to this Agreement are as follows:

DISTRICT	DEVELOPER
NEVADA IRRIGATION DISTRICT	ZZ
P O Box 1019	<<
Grass Valley, CA 95945	>>

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

NEVADA IRRIGATION DISTRICT

By _____
President

By _____
Secretary

DEVELOPER

By _____

By _____

DEVELOPER'S IMPROVEMENT PLANS

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-A
EFFECTIVE JANUARY 1, 2004

TREATED WATER SYSTEM STANDBY CHARGES AND CONNECTION FEES

STANDBY CHARGES - \$6.00 per month for each parcel.

CONNECTION FEES 1/ Single family residence, commercial, industrial, and municipal.

Meter Size	Max Rated Capacity	Installation Charge	Capacity Charge	TOTAL Connection Fees 1/
5/8"	20 gpm	\$845.00	\$4,755.00	5,600.00
3/4"	30 gpm	875.00	7,895.00	8,770.00
1"	50 gpm	960.00	15,215.00	16,175.00
1 1/2"	100 gpm	1,810.00	35,665.00	37,475.00
2"	160 gpm	2,705.00	82,405.00	85,110.00
Over 2"			DETERMINED BY DISTRICT	

MULTI-UNIT 2/ RESIDENTIAL DEVELOPMENT for which a master meter is required.

Meter Size	Connection Fees
5/8"	\$ 845 + unit charge/unit
3/4"	875 + unit charge/unit
1"	960 + unit charge/unit
1 1/2"	1,810 + unit charge/unit
2"	2,705 + unit charge/unit
over 2	Actual cost of installation plus unit charge/unit

Type Development	Unit	Unit charge
Mobile Home Park	Pad	\$ 2,130
Apartments	Dwelling	2,980
Senior Apartments 3/	Dwelling	1,265
Motels, Hotels	Dwelling	1,390
Campgrounds	Pad	2,355
Hospitals	Licensed Bed	2,290
Convalescent Hospitals & Resthomes:		
Skilled nursing	Licensed Bed	1,350
Board and care	Licensed Bed	730

1/ Varies with type of development

2/ Multi unit is defined as three or more.

3/ Proof must be provided that apartments are being developed under county ordinances relating to senior apartments or senior independent living centers.

EXHIBIT B

OFFER OF DEDICATION

I/We hereby extend an offer to convey, transfer, and dedicate all rights, title, and interest in and to that certain water system and appurtenances more particularly described in Exhibit "A" attached to the Agreement by and between NEVADA IRRIGATION DISTRICT and ZZ hereinafter referred to as DEVELOPER, dated _____, 20__, a copy of which is on file in District headquarters located in Grass Valley, California; to Nevada Irrigation District, assuring and warranting to said District that the water system for the project known as ww (filed in District's office as "xx"), is free and clear of all liens, encumbrances, and other expense.

I/We have constructed or caused the construction and installation of the water system and improvements described in Exhibit "A" attached to said Agreement, and do hereby assure and warrant to NEVADA IRRIGATION DISTRICT that the water system improvement facilities together with the contractors, subcontractors, employees, or agents of the Developer have been fully and completely paid and there exist no liens, encumbrances, stop notices, or claims on the water system improvement facilities or by any of the subcontractors, employees, or agents against the water system improvement facilities constructed pursuant to the terms of the above Agreement or against NEVADA IRRIGATION DISTRICT.

I/We declare under penalty of perjury that the foregoing is true and correct. Executed this _____ day of _____, 20__, in the City of _____, County of _____, State of California.

Developer

By _____

By _____

We accept this "OFFER OF DEDICATION" made by _____
_____ on this _____ day of _____, 20__.

Nevada Irrigation District

By _____

General Manager

Note: All blanks must be completed properly, otherwise the Nevada Irrigation District will not accept the Offer.

RELEASE

FOR ADEQUATE CONSIDERATION, receipt of which is hereby acknowledged, the undersigned, jointly, severally, and individually releases and forever discharges the Developer, ZZ, and NEVADA IRRIGATION DISTRICT, together with all other persons, firms, business entities, irrigation districts, and government entities whatsoever of and from any and all actions, causes of action, claims, demands, damages, stop notice actions, costs, expenses, liens, and compensation on account of or in any way growing out of the construction, installation, and work of those certain water system facilities described in the Conveyance Agreement dated _____, 20__, by and between NEVADA IRRIGATION DISTRICT and the Developer named above; the project being known as ww, (filed in District's office as "xx").

Individual Or Firm

(Print Name)

(Address)

(City) (State) (Zip)

By _____
(Signature)

(Title) (Date)

Note: All blanks must be completed properly, otherwise the Nevada Irrigation District will not accept the release.

LABOR AND MATERIAL PAYMENT BOND

By this Agreement _____
of _____, hereinafter referred
to as "Principal", and _____
of _____

(a corporation certified as a corporation admitted to do business in the State of California as a surety insurer), hereinafter referred to as "Surety" are held and firmly bound to NEVADA IRRIGATION DISTRICT, hereinafter referred to as "District", and to any and all persons who perform labor upon, or furnish material to be used in, or furnish appliances, trucks, or power contributing to the work to be performed under an agreement (filed in District's office as "xx"), hereinafter specifically described in the amounts of _____ (\$_____), for the payment of which Principal and Surety hereby bind themselves, their heirs, legal representatives, successors, and assigns, jointly and severally.

On the date of _____, 20____, Principal entered into an agreement with District for the principal purposes of constructing or providing for the construction of certain water system improvements, together with appurtenances thereto, to which agreement references are made for further particulars. A copy of the Agreement is attached hereto labeled Exhibit "A" and made a part hereof.

The condition of this obligation is that if the Principal shall promptly and faithfully make payment to all persons, firms, subcontractors, and corporations furnishing material for or performing labor thereof including all amounts due for materials, lubricants, labor, in the prosecution of the work provided for in the Agreement attached hereto as Exhibit "A" and any authorized extension or modification thereof including all amounts due for materials, lubricants, oil, gasoline, power, repairs on machinery, equipment, and tools consumed or used in connection with the construction of such work, and all insurance premiums on said work, and for all other labor, performed in such work whether by subcontractor or otherwise, then this obligation shall be void; otherwise this obligation shall remain in full force and effect.

FOR VALUE RECEIVED, the Surety hereby agrees that no change, extension of time, alteration, or addition to the terms of the Agreement attached hereto as Exhibit "A" or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect the Surety's obligation on this Bond, and said Surety does hereby waive notice of any such change, extension of time, alteration, or addition or modification to the terms of the Agreement or to the work to be performed or to the specifications.

The lien claimants to whom the provisions of this Bond inure shall have a right of action to recover hereon in any suit brought to foreclose liens as provided by the Mechanics Lien Laws and Public Work Lien Laws of the State of California, or in a separate suit brought hereon. No final settlement or compromise between the District and the Developer shall abridge the right of any beneficiary hereunder to pursue such remedies as may be provided such beneficiary by California Law.

MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That we, (2) _____ hereinafter called "Principal", and (3) _____ of _____, hereinafter called "Surety", are held and firmly bound unto the Nevada Irrigation District, Post Office Box 1019, Grass Valley, California 95945, hereinafter called "Obligee", in the sum of (5) _____ Dollars, (6)(\$_____) for the payment of which, well and truly to be made, the said Principal and Surety bind themselves, jointly, severally, and firmly by these presents together with their heirs, executors, administrators, successors, and assigns.

The condition of this obligation is such that whereas, the said Principal has entered into a certain Agreement with the Obligee (filed in District's office as "xx") dated (7)_____, this Maintenance Bond being Exhibit "F" of that Agreement, for the construction and the installation of water system improvements and all appurtenances thereto, the conditions of said Agreement being made a part hereof, wherein Principal agrees to repair, maintain, and remedy the water system improvements and all appurtenances for a period of one year following the date of Obligee's acceptance of the conveyance of the water system improvements and appurtenances.

NOW, THEREFORE, if the Principal shall maintain and remedy said work free from defects in materials and workmanship for a period of one year following the date on which the Board of Directors of the Obligee formally accepts conveyance of work described herein, then this obligation shall be void; otherwise, it shall remain in full force and effect.

IN WITNESS WHEREOF, this Maintenance Bond is executed on the ____ day of _____, 20____, in the City of _____, County of _____, State of California.

(Seal) _____ (8)

(If Applicable)

(9)
By _____
"PRINCIPAL"

(Seal) _____ (10)

(11)
By _____
"SURETY"

(12) Address _____

State of California }
 } ss
County of _____}

Subscribed and sworn to before me this ____ day of _____, 20____, at _____, California.

Notary Public

- (1) Surety's Bond number for reference.
- (2) Same as "Developer" in Conveyance Agreement.
- (3) Full name of Surety Company.
- (4) State in which it was duly organized.
- (5) Amount as agreed to by District Engineer - spell out.
- (6) Numerical dollar amount.
- (7) Date of Agreement with the District.
- (8) Type or print Principals (correct) Corporate, Partnership, or individual's name, as the case may be.
- (9) Signature and seal, if applicable, must be witnessed and notarized.
- (10) Type or print Surety's corporate name.
- (11) Signature and seal must be witnessed and notarized. If signator for Surety is Attorney-in-fact, attach the proper Power of Attorney.
- (12) Enter mailing address of Surety for purposes of giving any notice pursuant to this Maintenance Bond.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That we (1) _____

_____ a (2) _____

hereinafter called "Principal" and (3) _____

of _____ State of _____ hereinafter called the "Surety", are held and firmly bound unto Nevada Irrigation District, hereinafter called "Owner", in the penal sum of _____ Dollars (\$_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS such that WHEREAS, the Principal entered into a certain agreement with the Owner, dated the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of the _____, including all appurtenances thereto, all as set forth in the attached agreement.

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions and agreements of said agreement during the original term thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety, and if he shall satisfy all claims and demands incurred under such agreement, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the agreement or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the agreement or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the developer shall abridge the right of any beneficiary hereunder whose claim may be unsatisfied.

Performance Bond

ZZ

IN WITNESS WHEREOF, this instrument is executed in two (2) counterparts, each one of which shall be deemed an original, this the _____ day of _____, 20____.

ATTEST:

(Principal) Secretary

(Seal)

(Witness as to Principal)

(Address)

ATTEST:

(Surety) Secretary

(Seal)

(Witness as to Surety)

(Address)

Principal

By _____

(Address)

Surety

By _____
Attorney-in-Fact

(Address)

NOTE: Date of Bond must not be prior to date of Agreement.

- 1) Correct name of Developer.
- 2) A Corporation, A Partnership, or an Individual, as case may be.
- 3) Correct name of Surety.
- 4) If Principal is a Partnership, all partners must execute bond.

NEVADA IRRIGATION DISTRICT
1036 W. Main Street
Grass Valley, CA 95945
(530) 273-6185

VARIANCE REQUEST

District regulations require, at least 50 percent of the parcel, but in no case less than 50 feet, must be fronted by a minimum 8-inch diameter water main. Owner hereby applies for a variance to District Regulations per Section 10.08. Consideration for approval of a variance is based upon the District's ability to provide treated water service to the subject property while maintaining orderly development of the water system.

(Please Type or Print Legibly)

Owner's Name _____

Authorized Representative _____

Contact Mailing Address _____

City _____ **State** _____ **Zip** _____

Contact Telephone Number _____ **Fax Number** _____

Property Address _____

County _____ **Assessor's Parcel Number(s)** _____

Present Zoning _____ **Can property be further divided?** _____

Does an auxiliary water supply exist? Yes _____ **No** _____

If yes check type: Well _____ **Spring** _____ **Irrigation Service** _____ **Other** _____

Desired Service Size: 5/8" _____ **3/4"** _____ **1"** _____ **Other** _____

Residential _____ **Commercial/Industrial** _____ **# Units** _____

A nonrefundable Administrative Processing Fee of \$175 is due with this request.

Property Owner's Signature _____ **Date** _____

THIS SIDE TO BE COMPLETED BY DISTRICT

Parcel/Lot Number(s)

Tax Area Code(s) _____ Inside District: Yes _____ No _____

Prior Variance Request(s) _____

Right of Way

- Existing right-of-way effecting the property or project? Yes _____ No _____
- If yes, Book _____ Document _____ (Of Record) Page _____ Deed _____
- Comments:

By _____ Date _____

Operations Department

- Comments:

By _____ Date _____

Engineering Department

- Pressure constraints:
- Comments:

By _____ Date _____

Customer Service

- Standby Factor _____ From _____ To _____
- Improvement District _____ Buy-In Fee _____
Reimbursement Agreement include variances? (Name agreement) _____

RECORDING REQUESTED BY:

Nevada Irrigation District

WHEN RECORDED MAIL TO:

**Nevada Irrigation District
1036 West Main Street
Grass Valley, CA 95945-5424**

APN: xx-xxx-xx-xxx

SPACE ABOVE THIS LINE FOR RECORDER'S USE

**AGREEMENT FOR
TEMPORARY WATER SERVICE AND CONTRIBUTION FOR
FUTURE TREATED WATER MAIN EXTENSION
XXXXXXX**

This agreement, made on the ____ day of _____, 20__, by and between the NEVADA IRRIGATION DISTRICT ("DISTRICT"), an irrigation district formed and existing pursuant to Division 11 of the Water Code of the State of California, and XXXXXXXXXXXX ("CUSTOMER"), authorizes a temporary domestic water service to the Customer, subject to certain conditions and obligations, and provides for the termination of such temporary water service upon the installation of future treated water mainline facilities ("FUTURE MAIN") fronting or abutting CUSTOMER'S PROPERTY and further provides as follows:

RECITALS

WHEREAS, Customer is the owner of a parcel of land located at XXXXXXXX, CA XXXXXXXX, known as Assessor Parcel No. XX-XXX-XXX-XX, of XXXXXXXX County, and more particularly described in vesting deed recorded on _____, Document Number _, of XXXXXXXX County Records referred to as Exhibit "A", attached hereto and by this reference incorporated herein ("PROPERTY"); and

WHEREAS, CUSTOMER desires potable water service from DISTRICT and such service cannot be provided under DISTRICT'S established rules because PROPERTY is not fronted by a treated water main, and more than 300 feet of pipeline must be installed to provide a permanent water service to PROPERTY meeting DISTRICT'S rules for service; and

WHEREAS, CUSTOMER can access a DISTRICT treated water main that does not front PROPERTY through an easement, or easements, from neighboring property owners; and

WHEREAS, in lieu of installing more than 300-feet of mainline extension at this time, CUSTOMER is agreeable to pay CUSTOMER'S fair share of the FUTURE MAIN to be built by others, and has requested approval for a Temporary Service Location ("TSL") from DISTRICT until such FUTURE MAIN is constructed; and

WHEREAS, the TSL provides for a connection to DISTRICT'S treated water pipeline on **xxxxxxx Road** until a permanent service location is available, in accordance with the rules and regulations of DISTRICT, from the FUTURE MAIN; and

WHEREAS, in addition to paying all capacity charges and meter installation fees for the temporary and future connections to the DISTRICT pipelines, CUSTOMER is willing to contribute to the cost of the FUTURE MAIN based on DISTRICT'S estimates and formula for Treated Water Main Contribution ("TWM CONTRIBUTION"), as identified herein.

AGREEMENT

NOW THEREFORE, DISTRICT and CUSTOMER agree as follows:

1. DISTRICT hereby approves CUSTOMER'S request for a TSL to provide treated water to the PROPERTY, in the approximate location shown on Exhibit "X", attached hereto, and subject to CUSTOMER'S payment of all charges and fees, and compliance with all terms of this Agreement.

2. Easements. CUSTOMER has obtained all necessary easements from neighboring property owners for the construction and maintenance of a temporary service line to the point of connection for the TSL, and all such easements are recorded with the County Recorder of **XXXXXX** County, with a conformed copy of such recording on file with the DISTRICT.

3. Fees and Charges. CUSTOMER has paid the current connection fee for the TSL connection to the existing water main, and the current capacity charge for a **XX**-inch service. In addition, CUSTOMER has paid an amount equal to an additional connection fee representing the estimated costs for the relocation and future connection to the FUTURE MAIN at the permanent location, and any other related fees required by DISTRICT rules and regulations. For the purpose of this Agreement, current fees and charges shall mean the DISTRICT rates, fees, or charges that are in effect at the time of payment by CUSTOMER.

4. Contribution to the Future Main. CUSTOMER and DISTRICT understand and agree that the FUTURE MAIN will benefit CUSTOMER, that CUSTOMER desires to pay CUSTOMER'S fair share thereof, and that the TSL is not intended to be a permanent point for delivery of water service to CUSTOMER'S parcel. Therefore, CUSTOMER and DISTRICT agree that approval of this TSL does not reduce or eliminate CUSTOMER'S obligation to pay the pro-rata share of the FUTURE MAIN, and that the actual cost for the FUTURE MAIN, and CUSTOMER'S prorata share of that cost, can only be estimated at this time. Therefore, CUSTOMER agrees to contribute and the District acknowledges receipt of **\$X,XXX.XX** to the actual cost of the FUTURE MAIN, based on DISTRICT'S estimate and formula for a Treated Water Main, and both CUSTOMER and DISTRICT agree that the TWM CONTRIBUTION represents a reasonable pro-rata share of the current estimated cost of the FUTURE MAIN, including the costs for design, surveying, inspection, installation and materials, construction staking, and project management. No further contribution will be required of CUSTOMER for FUTURE MAIN unless PROPERTY subdivides.

The DISTRICT shall deposit the TWM CONTRIBUTION in an interest bearing account for use in funding the FUTURE MAIN by a private water line extender, DISTRICT, or another public agency.

5. Connection to the Future Main. Upon completion of the FUTURE MAIN, DISTRICT will install a meter to the FUTURE MAIN at the permanent service location fronting the PROPERTY, or at such other location as is consistent with DISTRICT'S rules and regulations. DISTRICT shall notify CUSTOMER of the meter availability at the permanent service location and provide CUSTOMER with 30 days notice of the termination of the TSL. Upon receipt of such notification, CUSTOMER shall re-plumb water service to the permanent meter location. All CUSTOMER'S costs that are necessary for disconnection from the TSL and of reconnecting the CUSTOMER'S buildings to the permanent service location, including the cost of all piping, trenching, valves, and landscape restoration shall be borne by the CUSTOMER. DISTRICT will remove the meter at the TSL and cut CUSTOMER'S service line connected thereto at any time after the expiration of said 60 days after it provides the notice specified above.

6. Single Use. Water service in accordance with this Agreement shall be for one single-family residence only - which may include one "granny unit," on the PROPERTY. Service to additional dwellings or parcels shall terminate this TSL.

7. Title. Grant of this TSL and related provision of domestic water service, and DISTRICT'S right to terminate said TSL upon notice of a permanent meter location constitutes a covenant running with and benefiting and burdening the PROPERTY, and further constitutes an equitable servitude running with said PROPERTY and may be enforced against CUSTOMER, the heirs, successors and assigns, at such time as said permanent service location has been provided by DISTRICT.

8. Termination. As and for further consideration of this TSL approval by DISTRICT, CUSTOMER, the heirs, successors and assigns, hereby agree that water service to be provided to the PROPERTY is subject to discontinuance by DISTRICT in the event of a breach of this Agreement by CUSTOMER, the heirs, successors and assigns.

THIS AGREEMENT is made by the undersigned parties on the date first written above, at Grass Valley, California.

CUSTOMER

NEVADA IRRIGATION DISTRICT (DISTRICT)

By: _____
XXXXXXXXXX

By: _____
President of the Board of Directors

[Notarize all signatures]

NEVADA IRRIGATION DISTRICT

QUITCLAIM APPLICATION

Date:

Please furnish the following information:

1. Name of facility _____

2. Property Location (Use Assessor's Plat, or provide following info.):

Assessor's Parcel No. _____ Section _____ T _____ N., R _____ E.

3. Lot No. _____ of Parcel Map or Subdivision Map Number _____ .

4. Copy of deed vesting title to property.

5. Title is to be granted in the name of:

Please note: A \$150 nonrefundable fee is required. (Recording fees not included). An additional \$100 fee will be applied if Board approval is required; a determination of which will be made at the time of application.

Nevada Irrigation District does not imply or warrant that the Quitclaim Deed will be approved and/or granted because of the acceptance of the required fee and/or this application.

Signature of Applicant

Mailing Address

City, State, Zip

Phone

Accepted By

Date, Job Number

NEVADA IRRIGATION DISTRICT

EASEMENT APPLICATION

Date:

Please furnish the following information:

1. Name of facility _____

2. Property Location (Use Assessor's Plat, or provide following info.):

Assessor's Parcel No. _____ Section _____ T _____ N., R _____ E.

3. Lot No. _____ of Parcel Map or Subdivision Map Number _____ .

4. Copy of deed vesting title to property.

5. Title is to be granted in the name of:

Please note: A \$250 nonrefundable fee is required. (Recording fees not included).
An addition to the nonrefundable fee, a payment for the value of the
easement, as determined by the District will be required.

Nevada Irrigation District does not imply or warrant that the Easement
Deed will be approved and/or granted because of the acceptance of
the required fee and/or this application.

Signature of Applicant

Mailing Address

City, State, Zip

Phone

Accepted By

Date, Job Number

NEVADA IRRIGATION DISTRICT

ENCROACHMENT CONSTRUCTION AUTHORIZATION

APPLICATION FORM

No. _____

The undersigned hereby applies for permission to encroach upon a District Facility at the following location:

Assessors Parcel No. _____

In order to perform the following work: _____

(Please provide an accurate description, sketch, etc. of work area location)

The undersigned has read all the provisions governing this authorization, and if the authorization is approved, agrees to perform the work in accordance with these provisions.

Printed Name _____

Mailing Address _____

Signature of Applicant _____

Zip Code _____

Date _____

Telephone _____

Routing (To Be Completed by N.I.D)

Operations Department

Name of District Facility _____ (Service Worker)

Sizing Information _____

Recommendations _____

Initials _____ Date _____

Engineering Department

Recommendations _____

Initials _____ Date _____

Applicant is hereby given approval to perform the above-described work in conformance with the specifications attached. This authorization is good through _____(date). Failure to properly complete subject work within the time allowed can result in the forfeit of the deposit. After successful completion of the work, an encroachment permit will be issued.

Engineering Department _____ Date _____

PLEASE CONTACT DISTRICT FOR FINAL INSPECTION FOLLOWING COMPLETION OF THE WORK. THIS AUTHORIZATION IS SUBJECT TO THE FOLLOWING PROVISIONS:

PROVISIONS GOVERNING THIS
ENCROACHMENT CONSTRUCTION AUTHORIZATION

1. **PROPERTY INTEREST.** *This Authorization is valid only for the purposes specified herein and neither the Authorization nor use thereunder shall create an easement, right of way, or other interest in real property.*
2. **EXTENT OF USE UNDER AUTHORIZATION.** *The right to use structures or installations shall be limited to Applicant, his agents, and employees; Nevada Irrigation District (hereinafter referred to as "District") having the right of ingress and egress across any structure or installation at any time and all times.*
3. **MAINTENANCE AND REPAIR.** *Applicant shall maintain and repair the installation at all times at his sole cost and expense and in a condition satisfactory to District's Manager. Should the Applicant neglect to promptly make repairs, the District may make repairs, or have repairs made and Applicant shall pay all costs and expenses.*
4. **DAMAGE TO DISTRICT CANALS OR OTHER STRUCTURES.** *Applicant shall promptly repair, at his own cost, any damage caused to the District's canals or structures due to work under this Authorization to the satisfaction of District's Manager. Should Applicant neglect to promptly make repairs, District may make repairs or have repairs made and Applicant shall pay costs.*
5. **REVOCAION.** *District may revoke or cancel this Authorization upon giving notice to Applicant of intent to cancel or revoke Authorization and upon giving Applicant an opportunity to be heard regarding the cause of revocation or cancellation. Within ten (10) days subsequent to the requested hearing, District shall give written notice of its decision to either revoke or cancel the Authorization or to maintain the Authorization and its conditions in full force and effect. Upon receiving notice of revocation, the Applicant, at his cost, must remove the physical encroachment and restore the facility to its original condition. If the Applicant fails to satisfactorily remove the encroachment, the District will complete the work at the Applicant's sole cost.*
6. **UNPAID CHARGES.** *In the event Applicant fails to pay District's cost for labor, materials, and supplies, after being billed by the District, that are incurred under Provisions 3, 4, and 5 of this Authorization, the District may add the unpaid charges for services rendered to the annual assessment levied upon the land owned by the Applicant, within the District boundaries, all pursuant to Water Code Section 25806.*
7. **LIABILITY.** *Applicant shall assume entire responsibility for all activities and uses under this Authorization and shall save the District free and harmless from any and all expense, cost, or liability, in connection with, or resulting from the exercise of this Authorization including, but not limited to, property damage, personal injury, wrongful death, chemical treatment of water, cleaning operations of District ditches, any erosion of up-stream random silting of said reservoir are, and any, or all aquatic life, including fish life within said reservoir.*
8. **COVENANTS.** *The covenants, provisions, terms, and conditions contained in this Authorization shall bind and burden the successors and assigns of Authorization, as*

well as binding and benefiting the successors and assigns of Authorization, as well as binding and benefiting the successors and assigns of the District.

9. ***ISSUANCE.*** *This Authorization is issued under the Rules and Regulations Governing Physical Encroachment to District facilities and is subject to the rules and regulations stated within.*
10. ***CONSTRUCTION.*** *All work shall be constructed at Applicant's sole cost and expense in accordance with District plans and specifications attached hereto subject to the approval of District's Manager. The work area must also be cleaned to the satisfaction of District's Manager.*
11. ***COMPLETION OF CONSTRUCTION.*** *If the Applicant does not complete construction to the District's satisfaction within the time limit allowed, the District may, at its option, either complete the construction and installation of the physical encroachment, or cause the removal of the physical encroachment. In either case, the Applicant shall bear all cost and expense for labor, materials, and supplies.*
12. ***WATER OUTAGES CAUSED BY CONSTRUCTION.*** *Prior to commencing construction or installation of any physical encroachments which shall lie within, or cross over District facilities to such an extent as to cause a fluctuation or interference in District facilities, Applicant shall notify District of a possible need for an interruption in the flow of water through District works, commonly referred to as a "water outage". District may arrange for the Applicant to provide a water outage at such time as is convenient to the District. Applicant should provide District with at least seven (7) days advance notice of his plan to construct, or install a portion of the physical encroachment within District facilities causing the interruption or interference with water flow so that the District may properly plan for and arrange for an outage.*

RECORDING REQUESTED BY:

Nevada Irrigation District

AND WHEN RECORDED MAIL TO:

Nevada Irrigation District
1036 W. Main Street
Grass Valley CA 95945

APN: - - SPACE ABOVE THIS LINE FOR RECORDER'S USE

ENCROACHMENT PERMIT

PERMITTEE: No.
ADDRESS: TELEPHONE: () -
DESCRIPTION OF ENCROACHMENT:
DISTRICT FACILITY AFFECTED:
LOCATION: SECTION: TOWNSHIP NORTH, RANGE EAST, M.D.M., DEED:
ASSESSOR'S PARCEL NO. - - COUNTY

PROVISIONS GOVERNING THIS ENCROACHMENT PERMIT

- 1. PROPERTY INTEREST: This permit is valid only for the purposes herein and neither the Permit, or the use thereunder shall create an easement, right of way, or other interest in real property.
2. EXTENT OF USE UNDER PERMIT: The right to use structures or installations shall be limited to Permittee, his agents and employees; Nevada Irrigation District (hereinafter referred to as "District") having the right of ingress and egress across any structure, or installation at any and all times.
3. MAINTENANCE AND REPAIR: Permittee shall maintain and repair installation at all times at his sole cost and expense and in a condition satisfactory to District's Manager. Should the Permittee neglect to promptly make repairs, the District may make repairs or have repairs made and Permittee Shall pay all costs and expenses.
4. DAMAGE TO DISTRICT CANALS, DITCHES OR OTHER STRUCTURES: Permittee shall promptly repair, at his own cost, any damage caused to the District's canals, ditches, or structures due to work under this permit, to the satisfaction of District's Manager. Should Permittee neglect to promptly make repairs, District may make repairs or have repairs made and Permittee shall pay all costs.
5. REVOCATION: District may revoke or cancel this permit upon giving notice to Permittee of intent to cancel or revoke permit and upon giving Permittee an opportunity to be heard regarding the cause of revocation or cancellation. Within ten (10) days subsequent to the requested hearing, District shall give written notice of its decision to either revoke or cancel the permit, or to maintain the permit and its conditions in full force and effect. Upon receiving notice of revocation, the Permittee, at his cost, must remove the physical encroachment and restore the District facility to its original condition. If the Permittee fails to satisfactorily remove the encroachment, the District will complete the work at the Permittee's sole cost.
6. UNPAID CHARGES: In the event the Permittee fails to pay District's cost for labor, materials and supplies, after being billed by the District, that are incurred under Provisions 3, 4 and 5, of this permit, the District may add the unpaid charges for services rendered to the annual assessment levied upon the land owned by the Permittee within the District boundaries, all pursuant to Water Code Section 25806.
7. LIABILITY: Permittee shall assume entire responsibility for all activities and uses under this permit and shall save the District free and harmless from any and all expense, cost, or liability in connection with, or resulting from the exercise of this permit including, but not limited to, property damage, personal injury, wrongful death, chemical treatment of water, cleaning operations of District ditches, any erosion of up-stream random, silting of said reservoir area, and any, or all aquatic life, including fish life within said reservoir.
8. COVENANTS: The covenants, provisions, terms and conditions contained in this Permit shall bind and burden the successors and assigns of Permittee as well as benefiting the successors and assigns of District.
9. ISSUANCE: This permit is issued under the Rules and Regulations Governing Physical Encroachments to District Facilities and is subject to the rules and regulations stated within.

THE UNDERSIGNED, BEING THE LEGAL OWNERS OF THE SUBJECT PROPERTY OF THIS PERMIT HAVE READ ALL PROVISIONS GOVERNING THIS ENCROACHMENT PERMIT AND BY SIGNING AGREE TO COMPLY WITH ALL PROVISIONS INCLUDED WITHIN.

Date: _____ Owner(s) _____

Approved _____ day of _____ 1999 On behalf and for the Nevada Irrigation District.

Nevada Irrigation District Manager

DOCK ENCROACHMENT PERMIT APPLICATION

(This form supplements the Encroachment Construction Authorization)

THIS IS A (check one):

PRELIMINARY APPLICATION

A Preliminary Application is intended to result in a prompt, informal response indicating the advisability of a Formal Application for Development.

FORMAL APPLICATION FOR DEVELOPMENT PERMIT

A Formal Application for Development is subject to compliance with all applicable laws and District Regulations.

Name of Property Owner _____

Mailing Address _____ ZIP _____

Telephone Number _____

Assessor's Parcel No. _____

Contact Person (if other than property owner):

Name of Contact Person _____

Mailing Address _____ ZIP _____

Telephone Number _____

Is the proposed dock part of a related development project? _____

If "Yes", describe the project: _____

What provisions are proposed for public access to the dock? _____

Does the applicant claim the right to use the dock for commercial purposes? Yes _____ No _____

Signature of Property Owner

Date

SUBMITTALS TO ACCOMPANY APPLICATION

PRELIMINARY APPLICATION

1. A copy of the deed or contract under which the right to construct a dock is claimed.
2. A site plan and elevation view including dimensions.

FORMAL APPLICATION FOR DEVELOPMENT PERMIT

1. A copy of the deed or contract under which the right to construct a dock is claimed.
2. A copy of a current title report or a title insurance policy describing the property and identifying the owner.
3. Plans and specifications, including site plan and elevation view, prepared by a Civil Engineer in accordance with Section 14.05.03 and 14.05.05 of the District's Regulations.
4. A CEQA submittal in accordance with Section 14.05.06 of the District's Regulations. (The District may request additional information to meet the requirements of Public Resources Code Section 21080.1).
5. A narrative analysis of any adverse impacts on public safety and recreational use of the reservoir, and any proposed mitigation measures.
6. Identification of all other permits and public agency approvals required for construction and maintenance of dock facilities and any related development projects. District will require securing of all necessary permits and approvals.
7. Certification that site is not on any hazardous waste or substance list under Government Code Section 65962.5.
8. Verification of insurability in accordance with Section 14.05.07 of the District Regulations.
9. Proposed provisions for public access.

NOTE: APPLICANTS FOR FORMAL DEVELOPMENT PERMITS WILL BE NOTIFIED WHETHER THEIR APPLICATIONS ARE COMPLETE WITHIN 30 DAYS OF RECEIPT. THE DISTRICT MAY REQUEST THE APPLICANT TO CLARIFY, AMPLIFY, CORRECT, OR OTHERWISE SUPPLEMENT THE REQUIRED INFORMATION. STAFF DETERMINATIONS AS TO COMPLETENESS ARE SUBJECT TO APPEAL, WHICH WILL BE DECIDED WITHIN 60 DAYS. APPLICATION, ONCE COMPLETE, WILL BE APPROVED OR DENIED WITHIN 6 MONTHS IF BASED UPON A NEGATIVE DECLARATION OR EXEMPTION, AND WITHIN 1 YEAR IF BASED UPON AN ENVIRONMENTAL IMPACT REPORT. APPLICANTS, UPON WRITTEN REQUEST, WILL BE SENT NOTICE OF ANY PROPOSALS TO AMEND THE DISTRICT'S DOCK ENCROACHMENT PERMIT REGULATIONS.

Form 14-D

RECORDED AT REQUEST OF:

NEVADA IRRIGATION DISTRICT

WHEN RECORDED MAIL TO

Nevada Irrigation District

1036 W. Main Street

Grass Valley, CA 95945

SPACE ABOVE THIS LINE FOR RECORDER'S USE

DOCK ENCROACHMENT PERMIT

PERMITTEE _____ NO. _____

ADDRESS _____

ZIP _____

DISTRICT RESERVOIR AFFECTED _____

PROPERTY TO WHICH DOCK IS APPURTENANT (SEE EXHIBIT "A" ATTACHED) _____

PROVISIONS GOVERNING THIS DOCK ENCROACHMENT PERMIT

1. EXTENT OF USE UNDER PERMIT: The right to install and use docks under this permit shall be limited to the Permittee, and his invitees, agents, and employees except insofar as the Permittee is otherwise obligated to provide public access. So long as the Permittee be not in default of the terms of this permit, the permit is appurtenant to the benefitted property described in Exhibit "A" attached, and shall pass to his heirs, successors, and assigns. Provided however, after recordation of this permit, subsequent subdivision of any parcel eligible for a dock shall not entitle each new parcel to a dock. Either the parties will share the single dock or the owner shall designate on the deed or subdivision map which parcel is to retain the dock rights.

2. MAINTENANCE AND REPAIR: Permittee shall maintain and repair the dock at his sole cost and expense. The dock shall be maintained in good and safe condition at all times.

3. COMPLIANCE WITH DISTRICT DOCK ENCROACHMENT REGULATIONS: Permittee shall comply with all District regulations applicable to dock encroachments.

4. PAYMENT OF RESERVOIR FEES: Watercraft owners or operators using Permittee's dock shall be subject to fees charged by the District, concessionaire or lessee, if any, for watercraft using the reservoir.

5. DAMAGE TO DISTRICT PROPERTY: Permittee shall promptly repair, at his own cost, any damage to District property due to work under this permit, to the reasonable satisfaction of the District. Should Permittee neglect to promptly make repairs, District may make repairs or have repairs made and Permittee shall reimburse the District for cost of such repairs.

6. REVOCATION: District may commence proceedings to revoke or cancel this permit only after giving written notice to Permittee and reasonable opportunity to correct any deficiency. If Permittee fails to make corrections in a timely manner, District may revoke the permit, upon giving written notice to Permittee of its intent to revoke the permit and reasonable opportunity to be heard regarding the cause for such revocation. Within 10 days subsequent to the hearing, the District shall give written notice of its decision to Permittee. Upon receipt of written notice of revocation, Permittee, at his cost, must remove the dock and restore the District property to its original condition. If Permittee fails to satisfactorily remove the dock, the District may complete the work at the Permittee's sole cost. Revocation of a dock encroachment permit shall not preclude reapplication at a later date by a subsequent owner of the appurtenant property.

7. UNPAID CHARGES: In the event Permittee fails to pay annual permit administration fees or the District's cost for labor, materials, and supplies (after being billed by the District) that are incurred in correcting any deficiency hereunder, the District may add the unpaid charges for services rendered to the annual assessment levied upon the land owned by the Permittee within the District boundaries pursuant to Water Code Section 25806.

8. LIABILITY: Permittee shall assume entire responsibility for all activities and uses under this permit and shall hold the District free and harmless from any and all expense, cost, or liability in connection with, or resulting from the exercise of this permit including, but not limited to, property damage, personal injury, wrongful death, chemical treatment of water, cleaning operations of District ditches, any erosion of upstream random, silting of said reservoir area, and any, or all aquatic life, including fish life within said reservoir. Permittee shall at all times maintain insurance naming the District and any concessionaire as additional insureds, in such amounts and types as set forth in the District Dock Encroachment Regulations.

9. PUBLIC ACCESS REQUIREMENTS: _____

10. COVENANTS: The covenants, provisions, terms and conditions contained in this permit shall bind and burden the successors and assigns of Permittee as well as benefiting the successors and assigns of District.

11. ISSUANCE: This permit is issued under the Rules and Regulations Governing Physical Encroachments to District Facilities and is subject to the rules and regulations stated therein, including provisions for revocation.

THE UNDERSIGNED, BEING THE LEGAL OWNERS OF THE SUBJECT PROPERTY OF THIS PERMIT, HAVE READ ALL PROVISIONS GOVERNING THIS ENCROACHMENT PERMIT AND BY SIGNING AGREE TO COMPLY WITH ALL PROVISIONS INCLUDED WITHIN.

Name _____ Date _____

Name _____ Date _____

Form 14-D

APPENDIX A

2015
INDEX TO SCHEDULES

<u>PAGE NO</u>	<u>SCHEDULE NO</u>	<u>DESCRIPTION</u>
1 & 2	-	Index to schedules.
3 & 4	4-A	Treated water system, standby charges and connection fees.
5	4-B	Miscellaneous meter service charges.
6	4-E & 4-F	Water rates covering treated water meeting State Health standards, utilized for noncommercial and commercial purposes.
7	4-G	Water rates covering Auburn Greens residential condominium units.
8	4-H	Tank or temporary construction water service.
9	4-I	Off-rate charges for Treated Water Systems.
10	5-B	Raw water service outlet, installation charges.
11	5-C	Raw water service outlet, periodic charges.
12	5-D	Water rates for raw water utilized inside District on an annual basis.
13	5-F	Water rates for raw water utilized in Smartville on an annual basis through a metered connection.
14	5-G & 5-H	Water rates for seasonal raw water utilized inside District and seasonal raw water utilized outside District
15	5-I	Water rates for raw water utilized on a demand basis.
15	5-J	Water rates for raw water utilized during fall season.
15	5-K	Water rates for intermittent flow raw water.
16	5-L	Energy pumping cost for raw water served from Magnolia #3 Pump System.
116	5-M	Energy pumping cost for raw water served from Edgewood Pump System.
17	5-R	Municipal Water Rates, inside & outside district.

INDEX TO SCHEDULES (continued)

<u>PAGE NO</u>	<u>SCHEDULE NO</u>	<u>DESCRIPTION</u>
18	6-A	Miscellaneous charges, rendering and payments of bills.
18	7-A	Special service call.
19	8-A	Charges related to public fire hydrants on treated water systems.
20	8-B	Private fire services on treated water systems, installation charges.
21	8-C	Private fire service, with detector check, on treated water systems, bimonthly charges.
21	8-D	Private fire service, with double detector check on treated water systems, bimonthly charges.
22 & 23	9-A	Backflow prevention requirements.
24	9-B	Backflow prevention devices, installation charges.
25	9-C	Backflow prevention devices, bimonthly charges for double check valve assembly.
25	9-D	Backflow prevention devices, bimonthly charges for reduced pressure principle device.
26	10-A	District constructed mainline extensions, installation charges.
27	10-B	TSL Treated Water Main Contributions
28	12-A	Penalties for unauthorized taking of water.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-A
EFFECTIVE APRIL 1, 2015

**TREATED WATER SYSTEM
STANDBY CHARGES AND CONNECTION FEES**

STANDBY CHARGES - \$6.00 per month for each parcel.

CONNECTION FEES 1/ Single family residence, commercial, industrial, and municipal.

****DROP-IN TO AN EXISTING METER BOX AND WATER SERVICE LATERAL****

----- Capacity Charge -----

<u>Meter Size</u>	<u>Max Rated Capacity</u>	<u>Installation Charge</u>	<u>Parcels in District Prior to 3/1/07</u>	<u>Parcels Annexed to District after 3/1/07</u>
5/8"	20 gpm	581.00	\$9,516.00	\$12,762.00
3/4"	30 gpm	614.00	13,703.00	18,377.00
1"	50 gpm	654.00	24,360.00	32,672.00
1 1/2"	100 gpm	893.00	54,810.00	73,511.00
2"	160 gpm	1,071.00	97,440.00	130,686.00
Over 2"			DETERMINED BY DISTRICT	

****INSTALLATION REQUIRING TAP TO WATER MAIN****

----- Capacity Charge -----

<u>Meter Size</u>	<u>Max Rated Capacity</u>	<u>Installation Charge</u>	<u>Parcels in District Prior to 3/1/07</u>	<u>Parcels Annexed to District after 3/1/07</u>
5/8"	20 gpm	\$1,553.00	\$9,516.00	\$12,762.00
3/4"	30 gpm	1,589.00	13,703.00	18,377.00
1"	50 gpm	1,636.00	24,360.00	32,672.00
1 1/2"	100 gpm	2,831.00	54,810.00	73,511.00
2"	160 gpm	4,025.00	97,440.00	130,686.00
Over 2"			DETERMINED BY DISTRICT	

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-A
EFFECTIVE JANUARY 1, 2015

TREATED WATER SYSTEM CONNECTION FEES – CONTINUED

MULTI-UNIT 2/ RESIDENTIAL DEVELOPMENT for which a master meter is required.

<u>Meter Size</u>	<u>Connection Fees</u>
5/8"	\$ 581.00 + unit charge/unit
3/4"	614.00 + unit charge/unit
1"	654.00 + unit charge/unit
1 ½"	893.00 + unit charge/unit
2"	1,071.00 + unit charge/unit
over 2	Actual cost of installation plus unit charge/unit

<u>Type Development</u>	<u>Unit</u>	<u>Unit charge</u>
Mobile Home Park	Pad	\$ 3,325.00
Apartments	Dwelling	4,658.00
Senior Apartments 3/	Dwelling	1,981.00
Motels, Hotels	Dwelling	2,178.00
Campgrounds	Pad	3,680.00
Hospitals	Licensed Bed	3,567.00
Convalescent Hospitals & Resthomes:		
Skilled nursing	Licensed Bed	2,109.00
Board and care	Licensed Bed	1,135.00

- 1/ Varies with type of development
 2/ Multi unit is defined as three or more.
 3/ Proof must be provided that apartments are being developed under county ordinances relating to senior apartments or senior independent living centers.

ABANDONMENT OF AN EXISTING SERVICE

Customer requesting new meter installation at a location other than existing box and curb stop will be charged an abandonment fee of \$343.05. Existing box and curb stop will be removed and the area backfilled. Customer will be responsible for re-vegetation or landscaping.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-B
EFFECTIVE FEBRUARY 11, 2015

MISCELLANEOUS METER SERVICE CHARGES

TESTING

<u>METER SIZE</u>	<u>DEPOSIT</u>
5/8" TO 3/4"	\$30.00
1" AND ABOVE	DETERMINED BY DISTRICT

UPSIZING/DOWNSIZING

An extra \$65.00 will be charged to cover labor costs as discussed in Sections 4.07.01 and 4.07.02.

RELOCATING

Meter relocations meeting the conditions set forth in Section 4.07.03 (a) (not requiring a new tap to the water main nor other extra ordinary effort) will be accomplished at the rate indicated under "Drop-In to an Existing Meter Box" schedule.

Meter relocations meeting the conditions set forth in Section 4.07.03 (b) (requiring a new tap on the water main) will be accomplished at the rate indicated under "Installation Requiring Tap to Water Main" schedule.

Customer requesting meter relocation will be charged an abandonment fee of \$343.05. The existing box and curb stop will be removed and the area backfilled. Customer will be responsible for re-vegetation or landscaping.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-EI & 4-FI
EFFECTIVE JANUARY 1, 2015

NONCOMMERCIAL / COMMERCIAL, INSIDE DISTRICT

Charges for treated water meeting state health standards, delivered through a metered connection.

Service Size:	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
Minimum Bi-Monthly Rate:	41.69	62.54	104.23	208.47	333.55	625.40	1,042.34	2,084.68	3,335.50

USAGE RATES: (\$ per hundred cubic feet (hcf) per billing period)

First	10 hcf per billing period	1.72 per hcf
Over	10 hcf per billing period	2.22 per hcf

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-EO & 4-FO
EFFECTIVE JANUARY 1, 2015

NONCOMMERCIAL / COMMERCIAL, OUTSIDE DISTRICT

Charges for treated water meeting state health standards, delivered through a metered connection.

Service Size:	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
Minimum Bi-Monthly Rate:	52.11	78.18	137.70	260.59	416.94	781.75	1,302.93	2,605.85	4,169.36

USAGE RATES: (\$ per hundred cubic feet (hcf) per billing period)

First	10 hcf per billing period	2.15 per hcf
Over	10 hcf per billing period	2.79 per hcf

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-G
EFFECTIVE JANUARY 1, 2015

RESIDENTIAL CONDOMINIUM, INSIDE DISTRICT

Charges for treated water meeting state health standards, delivered through a metered connection to existing Auburn Greens residential condominium units.

MINIMUM BI-MONTHLY RATE: \$41.69

USAGE RATES: ** (\$ per hundred cubic feet (hcf) per billing period)

First	* 40 hcf per billing period	.43 per hcf
Over	40 hcf per billing period	.56 per hcf

*10 hcf per unit

** 1/4 of non-commercial usage rate

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICTSCHEDULE 4-H
EFFECTIVE JANUARY 1, 2014**TANK OR TEMPORARY CONSTRUCTION WATER SERVICE
FROM AN OPEN CANAL AND/OR FIRE HYDRANT**

GENERAL

- 1) The application charge of \$100.00 is nonrefundable.
- 2) The minimum monthly charge shall be \$85.00.
- 3) Applicants who do not turn in tank tally sheets and/or meter readings by the 10th of each month, for the previous month's usage, will be billed at two (2) times the minimum monthly charge or the estimated usage. Billing under this schedule shall not create a credit for future delivery of water.
- 4) This class of water is not to be used for domestic purposes except in an emergency situation as determined by Nevada Irrigation District.

TREATED WATER

- 1) Application will automatically be terminated at end of calendar year.
- 2) A deposit of \$900.00 will be collected for the meter and wrench assembly and is refundable after the water used is paid in full, the hydrant has been inspected to determine that no damage has occurred, the meter and fire hydrant wrench have been returned undamaged and all damages to District facilities have been paid in full. Any default on the conditions of the application will result in forfeiture of the deposit.
- 3) Treated water will be billed at 2.5 times the rate shown in Schedule 4-EI.
- 4) Meter readings shall be turned into the District office at the first of each month.
- 5) The minimum monthly charge or the monthly billing for water usage, whichever is greater, will be levied until the meter is returned.
- 6) Applicant will be responsible for backflow prevention as shown in Schedule 9-A.

RAW WATER

- 1) Application will terminate at the end of each year unless requested by customer by Dec 10.
- 2) Raw water will be billed at twice the rate shown in Schedule 5-F.
- 3) Tank tally sheets shall be turned into the District office at the first of each month.
- 4) The minimum monthly charge or the monthly billing for water usage, whichever is greater, will be levied until District is advised in writing to close out the account.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 4-I
EFFECTIVE JANUARY 1, 2015

BI-MONTHLY OFF RATE CHARGES, TREATED WATER SYSTEM

4EI & 4FI RESIDENTIAL & COMMERCIAL - INSIDE DISTRICT

<u>RATE SCH</u>	<u>MTR SIZE</u>	<u>*OFF RATE</u>
1	5/8"	\$ 31.27
2	3/4"	46.91
3	1"	78.17
4	1 1/2"	156.35
5	2"	250.16
6	3"	469.05
7	4"	781.76
8	6"	1,563.51
9	8"	2,501.62

4EO & 4FO RESIDENTIAL & COMMERCIAL – OUTSIDE DISTRICT

1	5/8"	39.08
2	3/4"	58.64
3	1"	103.28
4	1 1/2"	195.44
5	2"	312.71
6	3"	586.31
7	4"	977.20
8	6"	1,954.39
9	8"	3,127.02
4-G	1"	31.27*
5-FO	all sizes	3.56

*plus usage

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-B
EFFECTIVE JANUARY 1, 2015

RAW WATER SERVICE OUTLET INSTALLATION

All raw water service connections will be made after proper application and payment is made to the District in accordance with the attached schedule for the requested service.

CANAL SERVICE BOX

<u>Service Range</u>	<u>Basic Installation charge*</u>	<u>Excess Pipe Length Charge* (Per Foot)</u>	
1/2 to 25 miners inches	\$ 1,119.00	2 Inch	\$ 5.40
<i>Relocation or upsize cost</i>	<i>690.00</i>	3 Inch	6.20
26 to 40 miners inches**	1,850.00	4 Inch	6.80
<i>Relocation cost</i>	<i>1,051.00</i>	6 Inch	9.70
Over 40 miners inches	Actual Cost	8 Inch	17.50

*Where the outlet on a canal service exceeds 20 feet in length, the applicant is charged at the indicated rate per foot for all excess footage in addition to the basic installation charge.

**The District reserves the right to utilize a different type of measuring device on these size services at a cost to be determined by the District.

ORIFICED SERVICE IN RAW WATER PIPELINE OR MANIFOLD

<u>Service Range</u>	<u>Basic Installation Charge*</u>
Amount of water available will depend on manifold pressure, using 2 inch meter flanges or Dole flow control and 2 inch gate valves and air release.	\$1,036.00
Any service requiring pipe size over 2"	Actual Cost

*In those instances where the District determines that a screening device is needed in the orificed service to prevent excessive clogging, such screening device shall be the sole cost of the customer (District Regulation 5.04.02 b).

NOTE

All raw water service connections for outside District lands are subject to additional charges per District Regulation 6.08.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-C
EFFECTIVE JANUARY 1, 2010

RAW WATER SERVICE OUTLET PERIODIC CHARGES

ACTIVE ACCOUNT (With Purchase of Water) - \$48.00 per year charge for each outlet in excess of one.

ACCOUNT CHARGE (Without Purchase of Water) - \$72.00 annual charge on all inactive raw water accounts, plus a \$66.00 annual charge for each additional outlet.

ROTATION - \$102.45 per season per outlet.

NOTE

Add 25% to all charges above for accounts serving lands outside the District (Amount rounded to the nearest dollar.)

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-D
EFFECTIVE JANUARY 1, 2015

ANNUAL RAW WATER SERVICE, INSIDE DISTRICT

Charges for raw (untreated) water sold for irrigation use on an annual basis and billed bimonthly.

MINERS INCHES:	1/4	1/2	1	1½	2	5
BIMONTHLY RATE:	174.57	196.98	216.91	236.83	256.76	600.47

NOTE

Water served pursuant to this schedule is untreated; which, if consumed or used for culinary purposes, could cause serious illness. If the water is so used, it is used at the customer's own risk.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-F
EFFECTIVE JANUARY 1, 2015

**ANNUAL RAW WATER SERVICE, OUTSIDE DISTRICT
SMARTSVILLE ONLY**

Charges for raw (untreated) water sold for irrigation use through a metered connection.

SERVICE SIZE:	5/8	3/4	1	1½	2	3	4
MINIMUM BI-MONTHLY RATE:	3.56	3.56	3.56	3.56	3.56	3.56	3.56

USAGE RATES: \$1.57 per hundred cubic feet (hcf) per billing period

NOTE

Water served pursuant to this schedule is untreated; which, if consumed or used for culinary purposes, could cause serious illness. If the water is so used, it is used at the customer's own risk.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-G
EFFECTIVE JANUARY 1, 2015

INSIDE DISTRICT SEASONAL IRRIGATION WATER

SUMMER SERVICE

\$405.73 fixed +
\$239.10 per MI

WINTER SERVICE

\$507.17 fixed +
\$298.88 per MI

- Summer service to begin on or about April 15 through October 14
- Winter service to begin on or about October 15 through April 14
- Winter service will be charged at 1.25 times the summer service rate.
- Raw water outlet service outlet periodic charges:
 - Active account (with purchase of water: \$48.00 per year charge for each outlet in excess of one
 - Account charge (without purchase of water): \$72.00 annual charge on all inactive raw water accounts, plus an additional \$72.00 charge for each additional outlet
 - Rotation: \$102.45 per season, per outlet

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-H
EFFECTIVE JANUARY 1, 2015

OUTSIDE DISTRICT SURPLUS IRRIGATION WATER

SUMMER SERVICE

\$507.17 fixed +
\$298.88 per MI

WINTER SERVICE

\$633.95 fixed +
\$373.60 per MI

- Summer service to begin on or about April 15 through October 14
- Winter service to begin on or about October 15 through April 14
- Winter service will be charged at 1.25 times the summer service rate.
- Raw water outlet service outlet periodic charges:
 - Active account (with purchase of water: \$60.00 per year charge for each outlet in excess of one
 - Account charge (without purchase of water): \$90.00 annual charge on all inactive raw water accounts, plus an additional \$90.00 charge for each additional outlet

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-I
EFFECTIVE JANUARY 1, 2015

DEMAND WATER

When available, Demand Irrigation Water may be purchased at rates equal to the following factors, times the normal Irrigation Water rate:

DEMAND (in days)	10	20	30	40	50	60	70	80	90	100
RATE FACTOR	.20	.35	.50	.65	.75	.80	.85	.90	.95	1.00

Minimum Charge: \$225.69 (.35 x 1 M.I. summer seasonal irrigation water rate)

Duration must be established upon application. All charges for demand service will be collected in advance of the start of delivery.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-J
EFFECTIVE JANUARY 1, 2015

FALL/STOCK WATER

AVAILABILITY: October 15 to December 1 to regular irrigation water customers in quantities up to the amount of the seasonal purchase

RATE: \$1.53 Per M.I. day (10 M.I. seasonal rate divided by 1830 M.I.D.)

MINIMUM CHARGE: \$225.69 (.35 X 1 M.I. Summer Seasonal Irrigation Water Rate)

All charges for fall/stock water service will be collected in advance of delivery.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-K
EFFECTIVE JANUARY 1, 2015

RAW INTERMITTENT FLOW IRRIGATION WATER

SEASON: April 15 to October 14
MINIMUM SALE: \$141.30

RATE per acre foot season: \$21.09
Outside District shall be 1.25% higher

Definition: Water belonging to District which cannot be supplemented by an auxiliary supply and in District's opinion cannot be considered a firm supply.

Determining Water Use: Sales of return intermittent flow irrigation water utilized by property owners shall be established in acre feet by District through pump ratings, sprinkler flow, actual diversions, acreage irrigated or any combination of the above methods as may be deemed appropriate to determine the amount of water to be used.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-L
EFFECTIVE JANUARY 1, 2014

ENERGY PUMPING COST – MAGNOLIA #3

Energy Pumping Cost for irrigation (raw) water served from Magnolia #3 Pump System

Cost per M.I. per season: \$288.88

Bimonthly cost for customers on continuous service:

MINERS INCHES:	1/4	1/2	1	1½	2
BI-MONTHLY RATE:	24.08	48.15	72.22	96.29	120.37

Charge will be adjusted, after the end of irrigation season, based on actual water pumped by the District and current year pumping costs.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-M
EFFECTIVE JANUARY 1, 2014

ENERGY PUMPING COST – EDGEWOOD

Energy Pumping Cost for irrigation (raw) water served from Edgewood Pumped System

Cost per M.I. per season: \$70.66

Bi-monthly cost for customers on continuous service:

MINERS INCHES:	1/4	1/2	1	1½	2
BI-MONTHLY RATE:	5.90	11.79	17.69	23.58	29.47

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 5-R
EFFECTIVE JANUARY 1, 2015

MUNICIPAL WATER RATES

INSIDE DISTRICT

Treated Water: \$483.52 per acre foot

Raw Water:

Placer

\$210.89 per acre foot
Plus \$405.73 fixed fee

OUTSIDE DISTRICT

Treated Water:

City of Grass Valley (Alta Hill)

\$604.40 per acre foot

City of Grass Valley @ Broadview Heights
6" Meter with Double Check Valve

\$1,347.93 min per month
Plus \$604.40 per acre foot

Raw Water

\$263.62 per acre foot

City of Grass Valley
City of Nevada City

Plus \$507.16 fixed fee
Plus \$507.16 fixed fee

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 6-A
EFFECTIVE See below

**MISCELLANEOUS CHARGES
RENDERING AND PAYMENT OF BILLS**

Duplicate of Water Statement (per billing)	\$ 2.00 (eff 9/26/84)
Turn off Notification Fee (Inside District)	10.00 (eff 9/26/84)
Turn off Notification Fee (Outside District)	12.50 (eff 9/26/84)
Outside District Security Deposit	50.00 (eff 9/26/84)
Return Check Fee	25.00 (eff 2/11/15)
Public Utility Easement Abandonment	50.00 (eff 1/01/93)
Water Availability Letter	50.00 (eff 1/01/94)
Variance Request	175.00 (eff 1/01/94)
Photocopies, per page	0.10 (eff 2/11/15)
Records on Compact Disc (plus postage if applicable)	5.00 (eff 2/11/15)
Encroachment Permit - County	190.00 (eff 7/01/07)
State	0.00 (eff 1/01/12)*

*Need permit only. NID is local agency and exempt from fees

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 7-A
EFFECTIVE FEBRUARY 11, 2015

SPECIAL SERVICE CALL

Special Service Call fee inside District:	\$ 65.00
Special Service Call fee after normal working hours:	\$ 150.00
Special Service Call fee outside District:	\$ 81.00
Special Service Call fee after normal working hours Outside District:	\$188.00

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-A
EFFECTIVE JANUARY 1, 2015

PUBLIC FIRE HYDRANTS ON TREATED WATER SYSTEMS

HYDRANT INSTALLATION (1)	
Concurrently with New Construction	\$6,147.00 (2)
Installed on Existing Main	8,462.00 (2)
Plus lateral charge for each foot in excess of 10 feet	51.00
HYDRANT REMOVAL AND DISCONTINUANCE OF SERVICE	1,356.00
SALVAGE CREDIT ON FIRE HYDRANT RELOCATION	402.00

- (1) Any condition which in the opinion of the District will result in an estimated installation cost of more than twenty-five percent above those charges shown in this schedule will be installed on an actual cost basis. Example conditions include connections to a water main larger than 8 inch, connection to a main located deeper than 5 feet below surface, installation in concrete, pavement, or rock.
- (2) The District will add to the basic hydrant installation fee any estimated costs related to encroachment permits including associated inspection charges as well as those costs related to any required right of ways.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-B
EFFECTIVE JANUARY 1, 2015

PRIVATE FIRE SERVICE – INSTALLATION CHARGES 1/

The District will estimate all installation costs not associated with the vault and add this amount to the vault costs indicated below. The final cost to the applicant will be the summation of these two installation costs.

VAULT INSTALLATION 2/

SIZE	DETECTOR CHECK	DOUBLE DETECTOR CHECK
-----	-----	-----
2"	\$ N/A	\$ N/A
3"	N/A	12,017.00
4"	10,698.00	13,171.00
6"	11,047.00	14,428.00
8"	12,177.00	19,507.00
10"		23,179.00

- 1/ Vault installation includes all piping and appurtenances located within the vault, as well as the meter box.

Any condition which, in the opinion of the District, will result in an estimated vault installation cost of more than twenty five percent above those charges shown in this schedule will be installed on an estimated cost basis.

Installations requiring a road boring and jacking will be completed on a time and material basis. A deposit, based on the District's anticipated maximum cost will be due from the applicant prior to installation. The final cost to the applicant will not exceed the deposit.

- 2/ A detector check is installed unless backflow protection is required, as discussed in Section 9 of the Regulations. A double detector check is installed where backflow protection is needed.

The District will add to the basic vault installation fee any estimated costs related to encroachment permits including associated inspection charges as well as those related to any required right of ways.

NOTE:

A \$100.00 fee will be collected at the time an application for a private fire service is submitted to the District. This fee will compensate the District for time spent in estimating the installation cost. The fee will be waived if applicant, pursuant to section 8.05.02 of these Regulations, utilizes a private contractor to install the service and does not request an estimate.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-C
EFFECTIVE JANUARY 1, 2015

PRIVATE FIRE SERVICE - BI-MONTHLY CHARGES

<u>SIZE</u>	<u>DETECTOR CHECK 1/</u>	
1"	\$ 5.80	
2"	-	Usage is charged at double the prevailing 4EI rate schedule
3"	-	
4"	34.00	
6"	36.20	
8"	40.10	

1/ These charges will also apply to all private services which are substandard.

NOTE: Add 25% to all charges above for accounts serving lands outside the District.

SCHEDULE OF RATE AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 8-D
EFFECTIVE JANUARY 1, 2015

PRIVATE FIRE SERVICE - BI-MONTHLY CHARGES

<u>SIZE</u>	<u>DOUBLE DETECTOR CHECK</u>	
2"	\$ 39.90	Usage is charged at double the prevailing 4EI rate schedule
3"	42.90	
4"	44.00	
6"	51.10	
8"	77.90	
10"	101.40	

NOTE: Add 25% to all charges above for accounts serving lands outside the District.

SCHEDULE OF RATE AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-A
EFFECTIVE: JANUARY 1, 2006

BACKFLOW PREVENTION REQUIREMENTS

Minimum requirements for backflow prevention devices for various types of potable water users are listed below. These requirements have been determined based on District and industry-wide experience of the probability of backflow occurring, taking into consideration such factors as the degree of hazard and complexity of piping associated with various types of District water customers.

The District reserves the right to install a more stringent device than listed if, in its sole judgement, the particular circumstances of that water user requires a higher degree of backflow protection. All meters serving the same parcel will be subject to the highest degree of backflow protection appropriate for that parcel. The District will determine the need for and the type of device for all classes of services not listed below.

Requirements Abbreviations

AG - Air gap separation
RP - Reduced pressure principle device
DC - Double check valve assembly
DCD - Double check detector assembly

WATER USE

REQUIREMENTS

1. Aircraft and missile plants	RP
2. Automotive plants	RP
3. Beauty Salons	DC
4. Board and care facilities, skilled nursing facilities	DC
5. Bottling plants	DC
6. Breweries	DC
7. Buildings – commercial/industrial multi-story over 50' in elevation above street level to ground floor	DC
8. Canneries, packing houses, and reductions plants	RP
9. Car wash	RP
10. Chemical processing or storage facilities	RP
11. Chemical treated potable water system	DC
12. Dairies and cold storage plants	DC
13. Dye works	RP
14. Film processing laboratories	RP
15. Fire systems – Class 3, 4, and 6, as defined in California Department of Health Services Manual of Cross Connection Control	DCD
16. Fire systems – Class 5	AG or RP
17. Food processing plants	DC
18. Fertilizer processing plants	RP
19. Hospitals, sanitariums	RP
20. Irrigation services served from treated water mains	DC
21. Laboratories	RP

SCHEDULE OF RATE AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-A
EFFECTIVE: JANUARY 1, 2006

BACKFLOW PREVENTION REQUIREMENTS (continued)

WATER USE

REQUIREMENTS

22.	Laundries, commercial	DC
23.	Medical/dental buildings, clinics or veterinary clinics	RP
24.	Metal manufacturing, cleaning, processing and fabricating plants	RP
25.	Mobile home parks	DC
26.	Mortuaries, morgues, or autopsy facilities	RP
27.	Oil and gas production, storage or transmission properties	RP
28.	Paper products manufacturing plants	RP
29.	Plating operations	RP
30.	Premises with piped auxiliary water supplies	DC
31.	Pumped sewage, sewage pumping station and/or treatment plants. (Excluding individual premises)	RP
32.	Radio active materials or substances	RP
33.	Restricted classified or closed facilities	RP
34.	Restaurants with automatic dishwashers or steam tables	DC
35.	Sand, gravel, cement and ready mix plants	DC
36.	Secondary schools and colleges	DC
37.	Tank or Construction Water (*Customer maintained & certified; District inspected)	AG or RP*

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-B
EFFECTIVE JANUARY 1, 2015

BACKFLOW PREVENTION DEVICE - INSTALLATION CHARGES

<u>ASSEMBLY SIZE</u>	<u>DCV 1/</u>	<u>RP 2/</u>
3/4"	\$ 623.00	\$ 1,061.00
1"	629.00	1,186.00
1 1/2"	1,001.00	1,938.00
2"	1,037.00	2,481.00
3"	3,789.00	8,233.00
4"	10,640.00	10,470.00
6"	13,889.00	14,354.00
8"	20,057.00	18,131.00
10" And up	Actual cost	Actual cost

1/ Double Check Valve Assembly

2/ Reduced Pressure Principle Device

Note: Charges covering double detector checks which are utilized on high risk private fire services can be found in Schedule 8-B.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-C
EFFECTIVE JANUARY 1, 2015

BACKFLOW PREVENTION DEVICE – BI-MONTHLY CHARGE

<u>ASSEMBLY SIZE</u>	INSIDE DISTRICT <u>DCV 1/</u>	OUTSIDE DISTRICT <u>DCV 1/</u>
3/4"	\$ 12.90	\$ 16.10
1"	13.20	16.50
1 1/2"	14.20	17.80
2"	14.70	18.40
3"	41.50	51.90
4"	48.40	60.50
6"	76.30	95.40
8" and up	98.50	123.10

1/ Double check valve assembly

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 9-D
EFFECTIVE JANUARY 1, 2015

BACKFLOW PREVENTION DEVICE - BI-MONTHLY CHARGE

<u>ASSEMBLY SIZE</u>	INSIDE DISTRICT <u>RP 1/</u>	OUTSIDE DISTRICT <u>RP 1/</u>
3/4"	\$ 14.70	18.40
1"	16.70	20.90
1 1/2"	22.20	27.80
2"	22.40	28.00
3"	47.30	59.10
4"	52.80	66.00
6"	72.00	90.00
8" and up	110.90	138.60

1/ Reduced pressure principle device

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 10-A
EFFECTIVE JANUARY 1, 2015

DISTRICT CONSTRUCTED MAINLINE EXTENSIONS

The District will estimate all costs not included in the basic charge 1/ listed below and add this to the basic charge. The final cost to the applicant will be the summation of these two installation costs, however, unexpected costs associated with required right of ways or encroachment permits will be added to the total.4/

BASIC CHARGE 2/

SIZE	COST/FOOT	ADD ON FOR SHORT LENGTHS 3/
6"	\$ 94.30	\$26.80
8"	120.70	26.80
10"	150.80	26.80
12"	181.10	26.80

- 1/ Any condition which, in the opinion of the District, will result in an estimated costs of more than twenty-five percent of those charges shown in this Schedule, will be installed on an estimated cost basis. Pipe sizes in excess of twelve inches will be accomplished on an estimated cost basis.
- 2/ The basic charge includes all necessary pipe, air and vacuum valves, blowoffs, thrust block and engineering work. Not included in the basic charge are mainline valves, service settings, existing pipe tie-in, fire hydrant assemblies, right of way and all other items not specifically mentioned as covered under the basic charge.
- 3/ If total length of installation is less than 100 feet, add indicated amounts on to per-foot-costs; however, the cost as so determined will not exceed the cost of a 100-foot extension.
- 4/ The District will determine, prior to start of construction, if adequate funds have been provided in the estimated cost to cover right of way purchases, associated legal and court fees, as well as to cover requirements mandated in any encroachment permits the District must obtain from other public entities for the mainline extension. The developer will be required to pay any of these additional costs prior to start of construction.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 10-B
EFFECTIVE JANUARY 1, 2015

**TREATED WATER DISTRIBUTION MAIN CHARGES FOR CALCULATING
TEMPORARY SERVICE LOCATION TREATED WATER MAIN CONTRIBUTIONS**

Multiplier

\$105.50

The Treated Water Distribution Main (TWDM) Charge as shown herein will be determined by the District and revised or amended periodically to reflect updated estimates for the cost to provide and install distribution pipelines.

The administrative processing fee for the Temporary Service Location application shall be \$175.00.

The processing fee for the renewal of an Approved Temporary Service Location shall be \$90.00.

SCHEDULE OF RATES AND CHARGES
BY NEVADA IRRIGATION DISTRICT

SCHEDULE 12-A
EFFECTIVE SEPTEMBER 26, 1984

**PENALTIES FOR
UNAUTHORIZED TAKING OF WATER**

<u>OFFENSE</u>	<u>PENALTY</u>
FIRST	\$250.00
SECOND	\$500.00

Appendix E: Drought Contingency Plan

NEVADA IRRIGATION DISTRICT

Drought Contingency Plan

(Adopted by the Board of Directors, November 18, 2015)

The purpose of the Nevada Irrigation District's Drought Contingency (Plan) is to provide guidance to staff and customers to help minimize drought or water supply shortage impacts. The plan identifies drought action levels, appropriate agency responses, water demand reduction goals, and provides recommended demand management measures to assist customers in water conservation.

The District currently supplies about 150,000 acre feet (AF) of water for all classes of customers, and has non-recoverable in stream flow requirements of 7,700 AF. Historically, 7,500 AF of water is purchased from PG&E annually and is required to provide reliable flows in the system and meet District operational needs. The District has determined 78,000 AF of carry over storage to be the minimum amount of water that the District will endeavor to hold over from water season to water season for the health and safety of the District domestic and agricultural water users. The minimum carryover amount will be evaluated every five years and will be updated as deemed necessary by the District.

Prior to the beginning of the irrigation season, but no later than the first board meeting in April, the District will evaluate its forecasted water supply to determine what water supply stage will apply during the year. In order to effect the most current information the March snow survey results, current reservoir levels, forecasted runoff, and availability of PG&E contract water (Contract) will be analyzed to make a preliminary determination of the District's water supplies

The mandatory reduction measures implemented through this plan are designed to preserve minimal supplies for public health and safety. Mandatory reduction stages will trigger the formation of the Drought Hardship Committee whose purpose is to review hardship applications and determine whether additional water can be provided to the applicants with an economic hardship and/ or those utilizing best management practices.

In the event the State Water Resources Control Board imposes regulations that differ from the regulations in this plan, the District may impose additional mandated restrictions through the resolution process to comply.

Water Availability Guidance

	Forecasted Available Supply April 1st	Demand Reduction Targets	Operational Changes	Rate Changes
Normal Operations	> 235,700	Encourage Conservation	Normal Operation	Standard Rates
Stage 1	235,700 to 205,700	10 – 20% Voluntary Usage Reduction	<ul style="list-style-type: none"> Leak repair receives higher priority Increase public outreach and drought awareness Target 75% of end of month October storage for carryover. 	Standard Rates
Stage 2	205,700 to 198,200	10 – 25% Mandatory Usage Reduction	<ul style="list-style-type: none"> Communicate mandatory reduction targets to retail customers Purchase of available Contract water to achieve a target carryover of 90,000 acre feet Distribution system flushing only for public health & safety Organize Drought Hardship Committee 	<ul style="list-style-type: none"> Implement Contract water purchase rates to reimburse the District for the costs associated with purchase of water above the 7,500 acre feet for normal operational needs. Charges to be reimbursed through the appropriate funding mechanisms. Water purchased will be utilized to meet carryover target.
Stage 3	198,200 to 175,700	25 - 40% Mandatory Usage Reduction	<ul style="list-style-type: none"> Purchase of available Contract water to achieve a target carryover of 80,000 acre feet 	<ul style="list-style-type: none"> Implement Contract water purchase rates Implement Conservation Rates as established in the Districts Rate Schedule
Stage 4	<175,700	> 40% Mandatory - Reductions based on available allotment and target carryover.	<ul style="list-style-type: none"> Purchase full allotment of Contract water to achieve target carryover of 78,000 acre feet 	<ul style="list-style-type: none"> Implement Contract water purchase rates Implement Conservation Rates as established in the Districts Rate Schedule

Stage 1
(Voluntary 10 to 20%)

Treated Water and Municipal Water Customer Reduction Actions

- Customers shall comply with the Conservation Regulations as spelled out in section 3.05 of the Districts Rules and Regulations
- Request restaurant owners to only serve water upon request
- Limit fire department practice drills and flow testing of hydrants

Ag Water Reduction Actions

- Allow Ag customers to voluntarily reduce purchase allotment for the year while reserving their right to return to their previous purchase allotment in the following year if water supply is available
- Declare no new or increased Surplus water availability
- Limit new raw water sales and increases to 1 miners inch

District Actions

- Increase public outreach to inform customers of reduction targets
- Target 75% of historical end of month October storage for carryover.
- Limit District flushing program to areas required by regulation or as needed for public health and safety
- District leak repair receives higher priority
- Inform Municipal customers of the reduction targets

Stage 2

(Mandatory 10 – 25%)

All of Stage 1 recommendation shall remain in place, except where they are replaced by more restrictive actions in this stage

Treated Water and Municipal Water Customer Reduction Actions

- Customers shall limit outdoor water use to every other day
- Customers shall adjust outdoor water timers to reduce each watering zone by the target reduction percentage (10 - 25%)
- Large landscapes with treated water accounts shall reduce their usage by the target reduction percentage (10 - 25%)
- Corresponding with the fall daylight savings time change, customers shall limit outdoor watering to 1 day a week.
 - Saturdays for even addresses and Sundays for odd addresses.

Ag Water Reduction Actions

- Declare no Surplus water availability to outside District customers
- Limit new raw water sales and increases to ½ miners inch
- Impose Irrigation season delivery alternatives with a target reduction of 10 - 25%
- Declare no new or increase fall or winter water sales

District Actions

- Inform Municipal customers of the reduction targets of 10 - 25%
- Purchase available Contract water to achieve a minimum target carryover storage of 90,000 acre feet for the end of October
- Implement Contract water purchase rates through the appropriate funding mechanism to cover procurement costs
- Organize Drought Hardship Committee

Stage 3

(Mandatory 25 – 40%)

All of Stage 2 restrictions shall remain in place, except where they are replaced by more restrictive actions in this stage

Treated Water and Municipal Water Customer Reduction Actions

- Outdoor watering shall be limited to three days a week
 - Customers with an even - numbered street address shall limit watering to Tuesday, Thursday, and Saturday.
 - Customers with an odd - numbered street address shall limit outdoor watering to Wednesday, Friday, and Sunday
- Customers shall adjust outdoor water timers to reduce each watering zone by the target reduction percentage (25 - 40%)
- Large landscapes with treated water accounts shall reduce their usage by the target reduction percentage (25 - 40%)
- Irrigation of ornamental turf on public street medians with potable water shall be prohibited

Ag Water Reduction Actions

- Declare no Surplus water availability
- Declare no new or increased Ag water sales
- Impose Irrigation season delivery alternatives with a target reduction of 25 - 40%
- Declare no fall water availability

District Actions

- Purchase available Contract water to achieve a minimum target carryover storage of 80,000 acre feet for the end of October
- Dedicate additional staff hours for water waste notification and patrolling
- Implement conservation rates as established in the Districts rates schedule

Stage 4
(Mandatory > 40%)

All of Stage 3 restrictions shall remain in place, except where they are replaced by more restrictive actions in this stage

Treated Water and Municipal Water Customer Reduction Actions

- Outdoor watering shall be limited to two days a week
 - Customers with an even – numbered street address shall limit outdoor watering to Wednesday and Saturday.
 - Customers with an odd - numbered street address shall limit outdoor watering to Thursday and Sunday
- Customers shall adjust outdoor water timers to reduce each watering zone by the target reduction percentage (40%)
- Large landscapes with treated water accounts shall reduce their usage by the target reduction percentage (>40%)

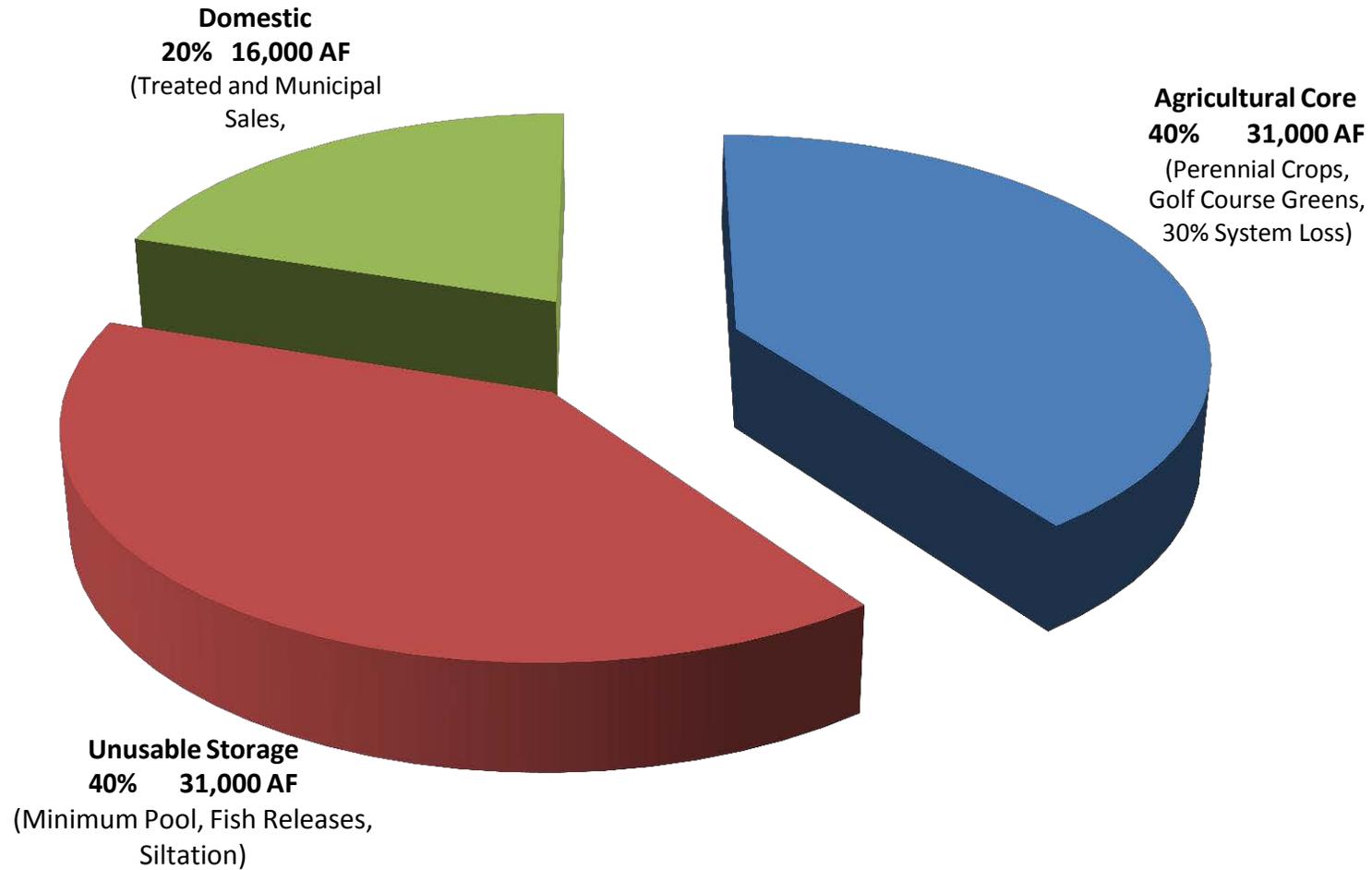
Ag Water Reduction Actions

- Impose Irrigation season delivery alternatives with a target reduction of >40%

District Actions

- Purchase available Contract water to achieve a minimum target a carryover storage of 78,000 acre feet for the end of October

NID MINIMUM CARRY OVER STORAGE 78,000 ACRE FEET



DROUGHT HARDSHIP COMMITTEE AND VARIANCES

During implementation of a mandatory reduction stage of the Drought Contingency Plan, the Board of Directors of the Nevada Irrigation District may appoint a Drought Hardship Committee. The Drought Hardship Committee is an advisory body and shall consist of one appointee from each director's division and the Water and Hydroelectric Operations (WHO) Board Committee. District Operation's staff will work closely with the committee.

The Drought Hardship Committee's purpose is to review the applications and determine whether additional water can be provided to the applicant. Before any appeal for a variance can be heard by the Drought Hardship Committee, the customer must submit a Drought Hardship Application and provide proof the water is being used for commercial agricultural purposes.

For the purposes of this Plan, the definition of commercial agriculture is an agricultural producer engaged in a for profit operation with a minimum gross annual sales of \$3,000 and a minimum capital investment of \$15,000. Commercial agricultural producers file a Schedule F with the Internal Revenue Service for their farming or ranching operation.

Preference will be given to applicants with an economic hardship and/ or those utilizing best management practices and with efficient irrigation practices in place. Variances may be approved for increases in water deliveries, seasonal variances or other protocols as determined by the Drought Hardship Committee. No such variance or appeal, however, shall be granted if the Board of Directors finds that the variance or appeal will adversely affect the public health or safety of others and is not in the public's best interest.

Under the California Water Code, in critical water supply situations, there is a priority that shall be allocated as follows:

1. Human Consumption
2. Livestock and Animals
3. Perennial Crops
4. Annual Crops

Upon granting a Drought Hardship Variance or appeal, the Board may impose any other conditions it deems to be just and proper.

APPLICATION FOR DROUGHT HARDSHIP

Name:		Canal:		
Address				
Parcel No.:		Phone No.:		
Land Utilization:		Map Attached	Yes	No
Livestock (number of)		Stock water needs: Yes or No		
Cattle	Horses			
Sheep	Other			
Hogs				
Crop	Acres Planted	Amount Water Applied	Period of critical water need	Method of Irrigation
Pasture				
Orchard				
Rice				
Other				
Total acres of land irrigated at location:				
		Year	Miners Inches	
Water Purchase				
Allocated				
Is property within Nevada Irrigation District boundaries?		Yes	No	
Do you have proof the water is being used for commercial agricultural purposes		Yes	No	
Statement by landowner of hardship				
Intended use of additional water by landowner				
Describe efficient irrigation practices in use				
Do you file a Schedule F with the Internal Revenue Service? Yes or No				

Please attach separate sheet for any additional information. Fraudulent statements will result in loss of water purchase.

I certify the above statements to be true and factual to the best of my knowledge.

Signed _____ Date _____

Appendix F: Stormwater Policy #6655

Nevada Irrigation District

POLICY MANUAL

POLICY TITLE: Storm Water

POLICY NUMBER: 6655

Storm water is an ongoing concern for the District because District facilities are not intended to operate as a storm water conveyance system. The District owns and maintains over 450 miles of open canals that cross through and adjacent to numerous watersheds with natural and man-made water conveyance areas. District facilities are vulnerable to storm water intrusion from both natural and manmade conveyance systems.

The District is not a storm water utility and has not accepted the responsibility of planning, regulating, and permitting as required for the management and disposal of storm water.

District canals and the related facilities such as culverts are designed and constructed to accommodate District managed water supplies, plus some limited intrusion flow. These facilities are not designed to accommodate the additional capacity a full watershed contributes during a storm event.

As future development increases and impacts of climate change are realized, the quantity and intensity of storm water will be an ongoing and increasing issue. It is the District's desire that water should, whenever possible, stay within the watershed of origin except where the District exercises its water rights to transport waters. The intent of this policy is to establish a District-wide approach to reduce the impacts of storm water on District facilities as well as parties adjacent to District facilities.

- 6655.1** The District will proactively pursue modification, mitigation, and remediation within the development planning process, zoning changes, and other service related requests to require the management of storm water generated by projects to ensure that water is not directed, directly or indirectly, into District facilities.
- 6655.2** The District will work to reduce and/or eliminate the discharge of storm water into existing facilities. The focus will be to divert storm water away from District facilities and allow storm water to remain in its natural channel and parent watershed.
- 6655.3** The District will attempt to minimize facility interferences on natural watershed systems.
- 6655.4** The District will, as necessary, intervene in projects that could or can influence District facilities, to request proper collection and disposal of storm water.

- 6655.5** The District will design culverts, canals, and appurtenant structures to meet design flows for District operations with an additional 25 percent capacity for unanticipated flows, or as modified by the Engineering Manager, but shall not permit the system to be used for the intentional conveyance of storm water.
- 6655.6** The District will engage and require local and state governments to handle and mitigate impacts to District facilities by storm water.

Adopted: January 28, 2015 via Resolution No. 2015-02
Revised:

Appendix G: Annual Water Quality Report



NID

Annual **WATER**
QUALITY
REPORT

Reporting Year 2014 (Reported in 2015)

Nevada Irrigation District

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Working Hard For You

This report is a snapshot of the quality of the water the district provided to you in calendar year 2014. Included are details about where your water comes from, what it contains, and how it compares to state standards. The district's goal is to provide safe, high-quality drinking water at the lowest cost to our consumers. We are committed to providing you with information because informed customers are our best allies.

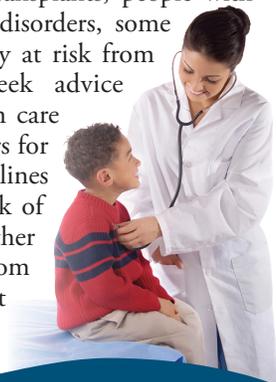
NID Pledges Water Quality— Seeks Public Participation

The Board of Directors encourages public participation on issues concerning our water systems. District policy is set by the elected Board of Directors. Board meetings are held at 9 a.m. on the second and fourth Wednesdays of each month at the NID Business Center in Grass Valley. Check NID's website (www.nidwater.com) or call the Customer Service office at (530) 273-6185 to confirm meeting times.

Important Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained at <http://water.epa.gov/drink/index.cfm> or by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.



QUESTIONS?

For additional water quality information, customers may contact NID Treated Water Superintendent Fred Waymire at the district office. In Nevada County, call (530) 273-6185.

Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;

Inorganic Contaminants, such as salts and metals, that can be naturally occurring or can result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and which can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems;

Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

Lead in Home Plumbing

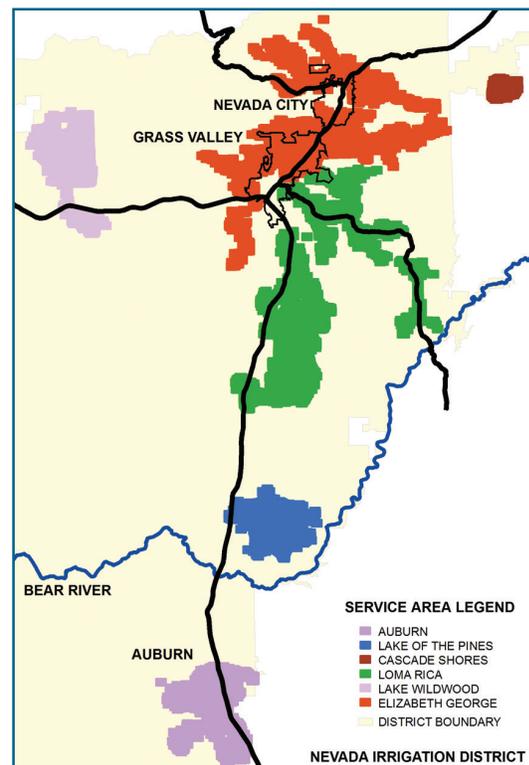
If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.

Water Quality Testing

Effective operation and maintenance of the drinking water distribution system assures that quality drinking water travels through the system to your meter. The residual chlorine in the water after treatment prevents regrowth of organisms during storage and transmission in the distribution system. Annual flushing of water mains and rotation of stored supplies also keeps water fresh and limits growth of organisms. The district conducts weekly water quality testing in the distribution system to ensure that drinking water continues to meet state and federal requirements.

Source Water Assessment

In 2012, NID teamed with the Placer County Water Agency and Starr Consulting to update its Source Water Susceptibility Assessment. This assessment describes the susceptibility and types of constituents that may come into contact with your drinking water source. The report confirmed that district watersheds have very low levels of contaminants. To a limited extent, those contaminants found are usually associated with wildlife and human recreational activity. Leading sources of potential contamination include highways, roadways, and railroads near rivers and raw water canals, septic tanks, unidentified utility pipelines crossing canals, recreation at upstream reservoirs, historic and active mining operations, and utility operations.



Sierra Snowpack is the Source of Your Water

NID treated and distributed more than 2.9 billion gallons of surface water last year. This water originates in the Sierra Nevada snowpack on five mountain watersheds. These include the Middle and South Yuba rivers, the Bear River, north fork of the North Fork American River and Deer Creek.

Most of this water is routed through Lake Spaulding and transported to NID's water treatment plants via canal systems operated by NID and the Pacific Gas and Electric Company.



NID's Faucherie reservoir at 6,100 ft elevation.

Sampling Results

The tables presented here list all the drinking water contaminants that were detected during the 2014 calendar year. The presence of these contaminants in water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table are from testing done from January 1 through December 31, 2014. The California State Water Resources Control Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some data, though representative of water quality, are more than one year old.

With two of our water systems (Eliz. George and Loma Rica) we participated in the 3rd stage of the EPA's Unregulated Contaminant Monitoring Regulation (UCMR3) program in by performing additional tests on our drinking water. UCMR3 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants suspected to be in drinking water, in order to determine if EPA needs to introduce new regulatory standards to improve drinking water quality.

REGULATED SUBSTANCES												
				North Auburn		Loma Rica		Cascade Shores				
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE	
Chlorine (ppm)	2014	[4.0 (as Cl ₂)]	[4 (as Cl ₂)]	0.85	0.20–1.60	0.93	0.46–1.70	0.78	0.34–1.51	No	Drinking water disinfectant added for treatment	
Control of DBP Precursors [TOC] (ppm)	2014	TT	NA	1.35	1.0–2.10	1.01	0.82–1.20	1.15	1.0–1.40	No	Various natural and man-made sources	
Cryptosporidium (Units)	2010	Surface water treatment=TT	HPC=NA; Others = (0)	0.0076	0–0.09	0.04	0–0.28	ND	0–0	No	Naturally present in the environment	
Fecal coliform and E. coli [Total Coliform Rule] (# positive samples)	2014	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or E. coli positive	(0)	0	NA	0	NA	0	NA	No	Human and animal fecal waste	
Haloacetic Acids–Stage 2 (ppb)	2014	60	NA	38.3	23.0–62.0	46.5	17.0–63.0	40.8	20.0–67.0	No	By-product of drinking water disinfection	
TTHMs [Total Trihalomethanes]–Stage 2 (ppb)	2014	80	NA	60.3	41.0–76.0	61.0	31.0–74.0	45.8	26.0–62.0	No	By-product of drinking water disinfection	
Total Coliform Bacteria [Total Coliform Rule] (# positive samples)	2014	No more than 1 positive monthly sample	(0)	0	NA	0	NA	0	NA	No	Naturally present in the environment	
Turbidity ¹ (NTU)	2014	TT	NA	0.038	0.02–0.25	0.031	0.02–0.15	0.028	0.02–0.80	No	Soil runoff	
Turbidity (Lowest monthly percent of samples meeting limit)	2014	TT=95% of samples <0.3 NTU	NA	100%	NA	100%	NA	97.3%	NA	No	Soil runoff	

REGULATED SUBSTANCES

				Eliz. George		Lake Wildwood		Lake of the Pines			
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	PHG (MCLG) [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chlorine (ppm)	2014	[4.0 (as Cl ₂)]	[4 (as Cl ₂)]	0.91	0.69–1.36	0.86	0.50–1.70	0.88	0.45–2.17	No	Drinking water disinfectant added for treatment
Control of DBP Precursors [TOC] (ppm)	2014	TT	NA	1.07	0.85–1.30	1.01	0.95–1.10	1.08	1.0–1.10	No	Various natural and man-made sources
<i>Cryptosporidium</i> (Units)	2010	Surface water treatment=TT	HPC=NA; Others = (0)	0.03	0–0.64	0.0884	0–0.74	0.0266	0–0.36	No	Naturally present in the environment
Fecal coliform and <i>E. coli</i> [Total Coliform Rule] (# positive samples)	2014	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive	(0)	0	NA	0	NA	0	NA	No	Human and animal fecal waste
Haloacetic Acids–Stage 2 (ppb)	2014	60	NA	32.5	16.0–43.0	40.3	22.0–59.0	40.0	23.0–65.0	No	By-product of drinking water disinfection
TTHMs [Total Trihalomethanes]–Stage 2 (ppb)	2014	80	NA	46.8	24.0–72.0	60.0	38.0–71.0	51.5	33.0–65.0	No	By-product of drinking water disinfection
Total Coliform Bacteria [Total Coliform Rule] (# positive samples)	2014	No more than 1 positive monthly sample	(0)	1	NA	1	NA	0	NA	No	Naturally present in the environment
Turbidity ¹ (NTU)	2014	TT	NA	0.041	0.02–0.25	0.043	0.02–0.15	0.030	0.02–0.18	No	Soil runoff
Turbidity (Lowest monthly percent of samples meeting limit)	2014	TT=95% of samples <0.3 NTU	NA	100%	NA	100%	NA	100%	NA	No	Soil runoff

Tap water samples were collected for lead and copper analyses from sample sites throughout the community

				North Auburn		Loma Rica		Cascade Shores		Eliz. George		Lake Wildwood		Lake of the Pines			
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	PHG (MCLG)	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2014	1.3	0.3	0.062	0/20	0.069 ²	0/30 ²	0.071 ³	0/10 ³	0.15 ²	0/30 ²	0.081	0/20	0.14	0/20	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppb)	2014	15	0.2	0	0/20	0 ²	0/30 ²	0 ³	0/10 ³	0 ²	0/30 ²	0	0/20	0	0/20	No	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

SECONDARY SUBSTANCES

				North Auburn		Loma Rica		Cascade Shores		Eliz. George		Lake Wildwood		Lake of the Pines			
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	PHG (MCLG)	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE										
Aluminum (ppb)	2014	200	NS	88	NA	74	NA	0	NA	81	NA	57	NA	12	NA	No	Erosion of natural deposits; residual from some surface water treatment processes
Chloride (ppm)	2014	500	NS	4.8	NA	3.3	NA	3.4	NA	3.1	NA	2.8	NA	5.1	NA	No	Runoff/leaching from natural deposits; seawater influence
Manganese (ppb)	2014	50	NS	NA	NA	29	0–58	NA	NA	NA	NA	NA	NA	32	0–64	No	Leaching from natural deposits
Specific Conductance (µS/cm)	2014	1,600	NS	84	NA	64	NA	70	NA	77	NA	71	NA	81	NA	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2014	500	NS	12	NA	8.2	NA	7.8	NA	12	NA	9.9	NA	11	NA	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	2014	1,000	NS	46	NA	36	NA	44	NA	44	NA	42	NA	52	NA	No	Runoff/leaching from natural deposits

UNREGULATED AND OTHER SUBSTANCES

				North Auburn		Loma Rica		Cascade Shores		Eliz. George		Lake Wildwood		Lake of the Pines	
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH												
Alkalinity (ppm)	2014	15	NA	13	NA	18	NA	16	NA	16	NA	16	NA	16	NA
Hardness (as CaCO ₃) (ppm)	2014	25	NA	22	NA	13	NA	25	NA	23	NA	28	NA	28	NA
pH (Units)	2014	7.6	NA	7.4	NA	7.5	NA	7.6	NA	7.5	NA	7.5	NA	7.5	NA
Sodium (ppm)	2014	4.8	NA	3.2	NA	8.8	NA	3.6	NA	3.6	NA	3.7	NA	3.7	NA

UNREGULATED CONTAMINANT MONITORING REGULATION 3 (UCMR3)

			Loma Rica		Eliz. George	
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	
Chlorate (ppb)	2014	145	200–1,900	118	85–150	
Chromium VI [Hexavalent Chromium] (ppb)	2014	0.83	0.058–0.11	0.16	0.11–0.16	
Strontium (ppb)	2014	32	25–38	42	38–45	
Vanadium (ppb)	2014	0.23	0.23–0.24	0.33	0.29–0.36	

¹Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration systems. Values are average yearly turbidity.

²Sampled in 2012.

³Sampled in 2013.

Definitions

AL (Regulatory Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

µS/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a solution.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water.

Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs (SMCLs) are set to protect the odor, taste and appearance of drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NS: No standard

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.

Appendix H: Climate Vulnerabilities and Strategies to Increase Climate Resiliency from CABY IRWMP

**Table 11-2
Climate Vulnerabilities and Strategies to Increase Climate Resiliency**

	Summary of Modeling Results and Relevant Studies	Vulnerabilities Identified by Stakeholder Group	Existing and Future Strategies to Address Vulnerabilities	Examples Of Existing and Proposed Projects That Can Help the Watershed Increase Climate
<p>Potentially Affected Natural Resources</p>	<p>Forest and Rangeland Vegetation</p> <p>Future vegetation modeled scenarios show an increase in and general upslope movement of warm temperate/subtropical mixed forest, largely displacing boreal conifer forest, less tolerant of heat and drought. Vegetation communities at the highest elevations in the region become more complex in variety and generally more drought tolerant. An increase in future biomass is also projected.</p> <p>Increased fire severity and intensity is predicted for the Sierra Nevada by the latter part of the century, with more frequent fires and more area consumed by fires (Lenihan 2008; Westerling 2008). Catastrophic wildfire in particular is projected to become more frequent and more severe in coming decades.</p> <p>Future regional climate is likely to favor certain invasive species, such as cheat grass. Additional invasive species act as stressors on native species that, when combined with lower flows, or erratic flow regimes more likely with greater climate variability, can cause decreased viability for desired species.</p>	<p>-Poor habitat condition of some forest habitat and areas of rangeland in the watershed make them more susceptible to increased fire risk under potentially hotter and drier climate conditions, and make habitat less resilient in supporting native wildlife species.</p> <p>-Increased fire severity will both amplify and accelerate the ecological impacts of climatic change (Flannigan 2000).</p> <p>-Decreased species variability within natural systems could result in degraded habitat for native species and economic losses for agricultural producers and recreation-related businesses.</p> <p>-Invasive species expansion often results in a higher, more flammable fuel load (Brooks, 2004) and often more shallow-rooted and quick-lived, a contributing factor to mass wasting events and excessive sedimentation in general (TetraTech EC, Inc. 2007).</p>	<p>-Enact strategic forest management: It increases resiliency to longer fire seasons and bark beetle outbreaks (Flannigan 2000). In stand improvement projects and revegetation efforts, Tahoe National Forest (TNF) considers favoring or planting different species and species mixes. Where appropriate and based on anticipated changes, white fir could be favored over red fir, pines would be preferentially harvested at high elevations over fir, and species would be shifted upslope.</p> <p>-TNF is strategically managing for process rather than structure or composition in proposed projects (e.g., those involving succession after fires, where novel mixes of species and spacing may reflect natural dynamic processes of adaptation).</p> <p>-Implement fuels management/reduction in watersheds where a high vulnerability exists to critical water sources. Where possible, mix selective harvest and prescribed fire to best mimic natural forest management (Schwilk 2009).</p> <p>-Maintaining a forest at full ecological function recharges groundwater and provides for more resiliencies regionwide.</p> <p>-Use integrated pest management on terrestrial noxious weed species, including: prioritization of most effective strategies; mechanical, chemical, and grazing treatments; revegetation; and monitoring to improve water quality and habitat condition.</p> <p>-Participate in statewide pest detection programs. The region is close to the state border and hosts two major national freeways going east-west across the Sierra Nevada.</p>	<p>-Coordinate between and within management agencies to better address clear management goals (Reiman 2010). Steps to more successfully integrate the management of forests, fires, watersheds, and native fishes into regional and project-scale planning should include communication among disciplinary scientists with a clear definition of management goals.</p> <p>-Strategies implemented to reduce fuels and minimize chances of catastrophic fires are increasing the adaptability and resilience of the Tahoe National Forest (TNF). For example, the Western Nevada County Community Defense Project is strategically located on the landscape near Grass Valley, Nevada City, and other small communities to reduce small-diameter fuels and surface fuels that will decrease the impacts from wildfire. The second project phase would treat fuels over a broader geographical area.</p>

<p>Potentially Affected Natural Resources</p>	<p>Species and Habitat</p>	<p>The Sierra Nevada is identified in its entirety as an important climate refugia by the Endangered Species Coalition. The region is particularly vulnerable to climate change, and represents a significant bio-region for plant and animal species survival.</p> <p>The region is also host to myriad species of special concern that may be climate-sensitive (e.g., are wetland-dependent, or occupy elevational niches projected to be affected). Climate-sensitive populations of flora and fauna in the region include: whitebark pine, vernal-pool-dependent rare plant populations, and wetlands or small ponds (such as the Pierce Wetland Area on the Tahoe National Forest) and pika, alpine chipmunks, Lahontan cutthroat trout.</p> <p>Habitat is currently fragmented in lower elevations by roads and urban development, and in the higher elevations primarily by Highways 80 and 50.</p>	<ul style="list-style-type: none"> -Sedimentation associated with higher potential for intense storms could affect aquatic species' reproductive cycles and habitat quality. Imperiled species confronted by other stressors could be particularly affected by climate change. -While quantified environmental surface flows exist throughout the region, extreme drought could negatively affect riparian habitats, species viability, and increase conflicts between human and environmental needs. -Drought and/or growing demand coupled with climate variation could dry up or fragment these biologically productive wetland habitats. -Increased nighttime and winter temperatures are expected to increase the population and distribution of bark beetle, canker diseases, dwarf mistletoe, and root diseases (Kliejunas 2011). It is likely that this will also have a negative effect on regional fire cycles by increasing the fuel load from dead trees. -The timing of water availability will threaten life cycles that have evolved with the natural timing of snowmelt recession (Yarnell et al. 2010). -Climate-induced changes in fire behavior and frequency will affect species distribution, migration, and extinction (Flannigan 2000). -Animals and plants dependent upon boreal forests will likely become more vulnerable because the warming trend will force them higher in elevation where habitat may be less suitable. -The region may offer refugia for wildlife if other suitable habitat is lost to sea-level rise. 	<ul style="list-style-type: none"> -Maintain/enhance species and structural diversity and the redundancy of ecosystem types across a landscape Maintain/create refugia, for at-risk populations or unique sites. -Reduce existing stressors (e.g.: unhealthy levels of sedimentation or invasive species). -Sustain and promote fundamental ecological forest functions/services (e.g.: soil quality and nutrient cycling, hydrologic cycling, and riparian zones). -Identify and prioritize habitat corridors essential to wildlife migration. -Prioritize needs for aquatic habitat connectivity; provide in-stream barriers to invasive species, where appropriate; prioritize wetland, vernal pool, and riparian restoration; maintain healthy aquatic systems or create water developments to support key species; promote activities that increase stream shading and flow attenuation, such as meadow restoration; adopt best management practices that reduce channel alteration and sedimentation; and determine where infrastructure replacements can be most meaningful (e.g., culvert and bridge projects that increase connectivity, reduce barriers). Enhance genetic diversity, potentially including introduction or enhancement of genotypes better adapted to future conditions (such as trees with higher levels of oleoresin). -Work with major transportation providers throughout the region to ensure adequate ecosystem permeability and wildlife passage of major roadways – particularly four-lane roadways. 	<ul style="list-style-type: none"> -Create a list of all climate-sensitive populations of flora and fauna in the CABY region and identify potential adaptation strategies that stakeholders could help to implement; assess those strategies for cost, risk, and benefit and prioritize based on the outcome. -Restore wet meadow and/or spring habitats to improve shallow groundwater storage, increase summer base flows, improve in-stream-habitat diversity, and create a vegetation community within the meadow dominated by species adapted to moist soil conditions. -Monitor spring melt dates, bud burst dates, and pollinator availability. -Monitor and quantify the rate of mercury methylation.
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<p>Potentially Affected Communities</p>	<p>Flooding</p>	<p>Increased flood potential is projected under many climate scenarios because higher temperatures cause earlier snowmelt and an increase in the ratio of precipitation arriving in the form of rainfall versus snow. However, higher-elevation snow levels may reduce the potential for winter floods because less snowpack may fall that can be mobilized. Peak daily flows are expected to increase even under scenarios with reduced precipitation overall.</p>	<ul style="list-style-type: none"> -A lack of coordinated approach to flooding management and response may compound flood impacts and increase risk to public safety. -Need exists for a clearer definition of flooding risk to all areas within FEMA mapping zones. -Extreme flood events could have substantial negative effects on aging infrastructure, including water supply, transportation, hydropower, and water treatment facilities. -Increased risk of wildfires could result in mass wasting events (connected with flood events) similar to the massive landslide that closed Highway 50 for four weeks in 1997. -More reliable gauging and telemetry on streams is needed to provide advance notice to developed areas in flood-prone zones. 	<ul style="list-style-type: none"> -Prepare and coordinate management response for extreme weather events at greater frequency. -Work within the CABY region membership as well as with relevant State agencies to identify better flood management practices, including data tracking and communication and updated land use policies (development patterns, attenuation, and infiltration). -Identify risk areas for mass slumping and target fuels management efforts. -Update flood maps for communities in the region as updated information becomes available. -Increase infiltration rates in urban areas to combat localized flooding and Improve or decommission roads to reduce flooding impacts. 	<ul style="list-style-type: none"> -Improve the reliability and accessibility of gauging and telemetry on streams and rivers upstream from flood-prone areas during flood events. -Implement low- impact design principles to reduce flooding within proposed development.
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<p>Potentially Affected Communities</p>	<p>Water Demand</p>	<p>Projected population growth, especially in the foothills of the Sierra Nevada and along the major Sierra highways (Highways 50 and 80) exceeds average growth rates for the Bay Area and California as a whole, fueling demand for water and other natural resources. Vulnerabilities could be affected to a greater or lesser degree when correlated with overall population growth, and specific patterns of growth.</p> <p>Regional groundwater supplies represent a significant resource used by individuals outside water service areas for residential potable water use.</p> <p>Agricultural water demands are expected to increase overall with gradual warming, increased evapotranspiration, and decreased soil moisture.</p>	<ul style="list-style-type: none"> -Major industries and institutions requiring heating and cooling could be affected as average temperatures increase, both economically and by potential losses of power. -As California’s 20x2020 demand reduction targets are achieved, water use curtailment will be more difficult especially in areas that have already installed meters and implemented tiered commodity rate structures. -In-stream flow requirements could be affected, especially where FERC relicensing processes didn’t account for the effects of climate change. -Naturally flowing streams (without in-stream flow reservations) may be even more vulnerable to drawdown during low flows. -Regional groundwater levels may decrease with warming and drying conditions. -Agricultural use could increase due to increasing temperatures and lower summer precipitation. -Groundwater is used for potable supply outside water service areas. Local fractured geology makes groundwater resources particularly vulnerable to drying/drought. 	<ul style="list-style-type: none"> -Examine environmental needs in the face of a changed hydrologic regime. -Pursue sharing supplies across the CABY region. -Identify opportunities for conjunctive use. -Identify opportunities to sell water in or outside the CABY region in years where local supply exceeds local demand, for additional funds to be used within the CABY region. -Identify alternative crops that will grow well in a changed hydrologic cycle and temperature regime, consider use of drip irrigation, and recycled water. -Invest in upgrading infrastructure to maximize efficiency and flexibility and to reduce waste. -Locate water ‘service stations’ in areas where residential wells are likely to go dry. 	<ul style="list-style-type: none"> -Peak use can be lowered by using pricing strategies – this has been successful for water purveyors throughout the CABY region using a conservative baseline for indoor use and ascending block rates for outdoor use. -Invest in distribution system inerties and replacement of aged pipelines to maximize efficiency and reduce waste. -Water agencies provide efficiency services to domestic, municipal, and agricultural customers. -Resource Conservation District programs to upgrade efficiency of irrigation systems.
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<p>Potentially Affected Communities</p>	<p>Water Supply</p>	<p>Warming temperatures, earlier snowmelt, greater rain:snow ratio, relatively stable projected regional precipitation, and more intense storm events could affect surface water supply.</p> <p>Establishing an <i>annual</i> tie between groundwater elevations and climate in the region is difficult because of localized factors of drawdown, geology/recharge, and tapping into groundwater subbasins by others beyond the watershed. However, PG&E’s and PCWA’s long-term studies of streamflow fed by underground aquifers have indicated a correlation between long-term drought and decreased groundwater elevations.</p>	<ul style="list-style-type: none"> -Reduced reliable water supply for people and wildlife through late summer and autumn, especially in areas of projected population growth. -Potential inability for water agencies to meet in-stream flow obligations. -Potential for reduced carryover storage capacity, especially during multi-year drought. Some smaller water agencies have limited or no carryover storage and must curtail demand even during mild drought periods. -The CABY region is a contributor to Delta flows with no reciprocal access to Delta supplies. The negotiated outcome of Delta sustainability and management may have an effect on the way water is managed and may reduce supply in the CABY region. -Area-of-Origin water rights are an important supply cornerstone for CABY stakeholders and will be important as the region looks at climate change effects throughout the state. -Reduced growing-season irrigation supplies for area agriculture. 	<ul style="list-style-type: none"> -Recruit more complete information on snowpack and hydrology, including real-time data tracking. -Examine forest management strategies to increase snowpack/water retention -Increase the capacity of the landscape to retain water, replacing, in part, a decreased snowpack (e.g., meadow restoration and soil conservation). -Diversify storage opportunities to add system flexibility – think of ‘storage’ as a network including snowpack, forest soils and constructed infrastructure. -Continue to explore opportunities to enhance storage. -Conduct leak detection, pipeline repair/ replacement and meter calibration. -Many CABY water agencies are participating in the USBR Sacramento-San Joaquin River Basin studies to evaluate storage needs and sites in the region, based on climate. -Pursue additional water rights. -Explore and support opportunities for conjunctive use. -Invest in improved efficiency of water conveyance and distribution systems. -Increase levels of water conservation among customers and the general public. -Continue to monitor water systems for aquatic invasive species (AIS). 	<ul style="list-style-type: none"> -Where not already implemented, provide fee incentives for customers who meet residential conservation objectives. - Implement groundwater management plan objectives. -Consider changes in reservoir operations. -Add capacity to existing dams. -Invest with partner interests in improved hydrologic and meteorological monitoring of CABY watersheds. -Educate small water-rights holders on potential effects of climate change and how the region might collaboratively respond.
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Potentially Affected Communities	<p>Water Quality</p>	<p>Reductions in flow, timing and intensity of runoff, and heating of air temperatures associated with climate change could affect water quality. Three main water quality concerns exist in the region: 1) increases in water temperature, 2) the potential for increased organics content in municipal water sources due to vegetation, and 3) how increased water temperatures might affect the rate of mercury methylation.</p>	<ul style="list-style-type: none"> -Beneficial uses designated in the CABY region could be more difficult to meet. -Water quality shifts occur during extreme storm events can affect treatment facility operation, as in the case of Grass Valley. -Increased water temperature could affect aesthetics of municipal water supply. -Sediment can negatively affect treatment facilities. Low flows may hinder dilution of pollutants. -Increased water temperatures could increase levels of mercury methylation throughout the CABY region. This has been identified by the CABY PC as an issue for further investigation and potential modeling. -Stream temperature has shown to be moderately affected increased fire activity; this may particularly affect aquatic species because of their inability to monitor body temperature, and confined, easily fragmented habitat (Isaak 2010). -Eutrophication can increase in summer and especially if exacerbated by low flows and higher water temperature. 	<ul style="list-style-type: none"> -Increase the capacity of the landscape to absorb and filter water. -Preserve and/or restore, where appropriate, riparian vegetation to control water temperature for aquatic biota. -Identify 303(d)-listed waters that may become more challenging to manage under future climate scenarios), and work with agencies to develop management strategies and projects/actions that address impacts. -Identify places where the assimilative (dilution of contaminants) capacity of streams and rivers may be at risk and monitor those areas. 	<ul style="list-style-type: none"> -Implement a more intensive network of real-time water quality and water level tracking to identify when storm flows may be testing water treatment capacity and/or infrastructure. -Implement regional storm water control infrastructure.
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Potentially Affected Communities	<p>Infrastructure</p>	<p>Hydrologic changes are projected to include altered flows, changes in seasonal flows (e.g., earlier runoff) and greater extremes in storm events. A greater rain:snow ratio is projected, and melt dates will likely be earlier, indicating a longer dry season. Some extreme events in the past have tested the capacity of regional infrastructure (such as near overtopping events in the floods of 1997), and it is likely that these extreme events will occur more often.</p> <p>Much of the region’s infrastructure is either antiquated, in poor repair, or in the case of water delivery and storage and flood flows, designed for historic flow regimes.</p>	<ul style="list-style-type: none"> -Historic water Infrastructure design and management coupled with rules in place for reservoir and other infrastructure operations may not adequately respond to altered flows and intense flow events. -Planning for longer-term drought is limited to historic extreme events. Extended duration of extremes due to climate is difficult to account for, which could compromise delivery capacity, customer capacity, and financial stability of water purveyors. -Aquatic invasive species could become an issue as climate change alters the region’s water temperature and chemistry (pH and TDS), and thus clog or damage facilities. -All reservoirs are in forested areas susceptible to fire, and therefore at risk of damage and increased sedimentation load in the event of intense post-fire precipitation. -Hydropower facilities could be challenged by increased sediment loads/decreased reservoir capacity and increased levels of wear on equipment. 	<ul style="list-style-type: none"> -Locate system inerties where small systems and disadvantaged communities can more easily hook into a larger system’s supply. -Locate water ‘service stations’ in areas where residential wells are likely to go dry. -Expand treated and raw water infrastructure to underserved areas. -Add infrastructure to facilitate conjunctive use. -Invest in upgrading infrastructure to maximize efficiency and reduce waste. 	<ul style="list-style-type: none"> -Upgrade aged infrastructure to improve efficiency. -Add infrastructure to augment distribution and conveyance system efficiency and flexibility. -Increase existing water storage facility size. -Research and implement strategies to manage increased sedimentation rates in reservoirs. -Implement regional stormwater control infrastructure. -Invest in distribution system inerties and replacement of aged pipelines to maximize efficiency and reduce waste.
Potentially Affected Economic Interests	<p>Hydropower Generation</p>	<p>Hydropower represents a significant source of electricity in the CABY region. Continued change from snowfall to rainfall is anticipated to begin having a cumulative effect on hydroelectric production by about 2020 to 2025.</p> <p>Energy needs have decreased on a per capita basis over the last several decades due to increases in the efficiencies of appliances and conservation. However, an increasing population indicates that energy use will grow in the future.</p>	<ul style="list-style-type: none"> -With less predictable runoff periods and potentially more intensive storm events, hydroelectric generation may become less reliable, and management will be more challenging and may involve competing with other storage needs, such as flood control and natural system needs. -The results of a warming scenario WEAP modeling suggested a low degree of warming is sufficient to significantly alter historical inflows into regional reservoirs, with a concomitant reduction in hydropower generation – between 5% and 20% losses, depending on the degree of warming – by the end of this century (Mehta et al. 2011). 	<ul style="list-style-type: none"> -Identify opportunities for development of solar and wind energy projects to ensure multiple benefits to the region, and also benefit habitat, wildlife, and agricultural uses (grazing opportunities). -Increase the diversity of hydropower projects (e.g., micro-hydro, small hydro, or pumped storage), particularly those with little or no negative in-stream impacts. -Hydro generation managers may increase storage in the winter in anticipation of critical summer needs and subsequently with the need to spill in order to accommodate wet winter or intensive storm flows. 	<ul style="list-style-type: none"> -Explore and fund small hydropower generation opportunities in existing water and wastewater conveyance systems. -Investing in continued efficiencies in hydropower generation by upgrading equipment and operations.

<p>Potentially Affected Economic Interests</p>	<p>Wood Products Industry</p>	<p>Potential climatic changes are expected to shift forest types and species mixtures within the watershed.</p>	<p>-The changing conditions may continue to render forests susceptible to insect invasion and fire, which may in turn create a greater need for thinning.</p>		<p>-Continue to explore environmentally acceptable and economically feasible ways of producing and using power from biomass.</p>
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<p>Potentially Affected Economic Interests</p>	<p>Local Communities</p>	<p>The amount of burned property (in total area and in monetary value) in Northern CA increases substantially under global climate models' high-emissions scenarios due to greater fire risk. This is highly evident in Placer County (Westerling 2008).</p> <p>Sea level rise is not a direct issue for the CABY region, but does pose potential indirect effects on communities.</p>	<ul style="list-style-type: none"> -Costs for increases in fire occurrence and severity will need to be paid for, either through landscape-level forest/fuels management, or through fire-fighting activities. -Secondary effects of increased fire, such as loss of recreational amenities, area closures, and excessive smoke, can have serious financial effects on local economies. -Incorporated communities have sufficient infrastructure and capacity to fight fires, while rural communities typically have very limited resources. Catastrophic wildfires have the potential to surround, encroach into, or overwhelm all local communities. -Population influx from coastal areas affected by sea level rise could impact regional land use patterns and water demand and supply. -The impact of sea level rise on the Delta is forcing the state to look upstream, for solutions to water-producing regions, including CABY. This could lead to potential changes to infrastructure, operations, and water rights in the CABY region because of the Delta's vulnerability to environmental change and water transfer capability. 	<ul style="list-style-type: none"> -Enact strategic forest management: It increases resiliency to longer fire seasons and bark beetle outbreaks (Flannigan 2000). -Implement fuels management/reduction in watersheds where a high vulnerability exists to critical water sources. Where possible, mix selective harvest and prescribed fire to best mimic natural forest management (Schwilk 2009). -Maintaining a forest at full ecological function recharges groundwater and provides for more resiliencies regionwide. -Use integrated pest management on terrestrial noxious weed species, grazing treatments; revegetation; and monitoring to improve water quality and habitat. -Monitor changes in development patterns and water use from areas affected by sea level rise to prepare for potential impacts to the region over time. -Actively participate in regional discussions focused on modifications of source-water systems that may be proposed to protect the Delta from the impacts of sea-level rise. 	
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<p>Potentially Affected Economic Interests</p>	<p>Agriculture</p>	<p>More frequent drought, the drying effects at upper elevations from earlier snowmelt, potential variation in storm events, greater variability in temperatures, and more intense storm events could potentially affect agriculture.</p>	<ul style="list-style-type: none"> -Peaches, grapes, cherries, mandarin oranges, and berries are heat-sensitive crops that can also be susceptible to unseasonable precipitation. -Non-irrigated agriculture – grazing and dryland hay – may be the most vulnerable to projected climate changes. More frost-free and growing-degree days could benefit some crop production and local agricultural profits, and could affect the current crop mix. -Reduced flows and groundwater recharge alongside increased demand in a warming climate could negatively affect agricultural water supply (Mehta et al. 2011; Regional Water Management Agency 2013). -Irrigation inefficiencies reduce overall water supply, both for agriculture and other beneficial uses. 	<ul style="list-style-type: none"> -Protect the agricultural land base and designate a portion of the water supply to agriculture to provide farmers with the assurance they need. -Work with University of California Extension, local agricultural commissions, and farm bureaus to identify potential changes in crop patterns to adapt to potential changes in climate. -Increase efficiency of irrigation practices and systems. -Explore opportunities for conjunctive use of water supplies. 	<ul style="list-style-type: none"> -Water agencies provide efficiency services to domestic, municipal, and agricultural customers. -Identify alternative crops that will grow well in a changed hydrologic cycle and temperature regime, consider use of drip irrigation and recycled water. -Resource Conservation District programs to upgrade efficiency of irrigation systems.
<p>Potentially Affected Economic Interests</p>	<p>Recreation</p>	<p>Climate projections of potential greater storm intensity and variability may impact recreational infrastructure and fish and game species.</p>	<ul style="list-style-type: none"> -Most rafting flows have been set by FERC licenses, but projected low flows may not be sufficient to sustain current-day recreational pursuits/timing. -Insufficient flows for boating and whitewater rafting due to climatic shifts could have negative financial effects on regional businesses and local economies. -Forest infrastructure such as bridges, culverts, campgrounds, and roads may be damaged by increased variation in flows, while recreational game fish species may be negatively affected by diminished water quality. -Forage for big game species may be affected by increased invasive species, but these species may benefit from milder winter temperatures and increased localized forage. 	<ul style="list-style-type: none"> -Identify opportunities to adjust to changing hydrology, if necessary, to maintain recreational opportunities. -Identify and develop recreation enhancement plans responsive to changing conditions. -Assess public agency road inventories for hot spots of sediment delivery and correct; conduct bridge and culvert inventory to replace undersized or failing infrastructure; reassess flood risk and establish recreational facilities out of potentially elevated peak flows. 	<ul style="list-style-type: none"> -Augment water storage infrastructure to provide recreational values while meeting other beneficial uses. -Use improved modeling, forecasting and communication tools to facilitate recreational use of water resources.

Appendix I: Memorandum Describing Nevada Irrigation District Raw Water Measurement Best Professional Practices

Memorandum

TO: Agricultural Management Plan
FROM: Gary King, Engineering Manager 
Nevada Irrigation District
California Professional Engineers License #71761
DATE: November 16, 2015
SUBJECT: Best Professional Practices – Raw Water Measurement

ENGINEERING

NID provides raw water to customers by the California statute miner's inch and all services are measured at the point of delivery. According to Christiansen (1947), "a California statute miner's inch is the free flow through an orifice with an area of one square inch under a head of six inches above the center of the orifice and is equal to 1/40 cubic foot per second" (p. 41). Christiansen states that "maintaining the exact head pressure on an orifice can be difficult" (p. 42). Normally, the District sets the orifice with six inches of head a normal irrigation season flow. However, the District in some instances utilizes checks within the canals to keep a constant head over the office and also sizes orifices for the amount of available head to accurately deliver the amount purchased. The District makes every reasonable effort to set the orifice to the proper head and allow free flow through the orifice. If the head is unable to be six inches, the District modifies the orifice size per Table 9 (Christiansen, p. 42).

For purchases greater than 40 miner's inches, the measurement can be by any industry standard device such as a weir or parshall flume that will give the most accurate measurement for the situation. All customer measurement devices are installed and maintained utilizing standard industry practice and recommendations.

If requested, the District will review, test, and evaluate the measuring device and its ability to provide the water accurately to the customer.

To the best of my knowledge and belief that the District's current methods of measuring customer deliveries if properly installed and maintained to industry recommended standards and practices meet the definition under Section §597.2 for "Best professional practices".

Christiansen, J.E. (1947), *Measuring Water for Irrigation*, University of California, Berkeley

