

Year of Data **Enter data year here**

Table 1

Surface Water Supply

2020 Month	Federal Ag Water (acre-feet)	Federal non- Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (define) (acre-feet)	Other Water (acre-feet)	Transfers into District (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
Method								
January	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0

Table 2
Ground Water Supply

2020 Month	District Groundwater (acre-feet)	Private Agric *(acre-feet)
Method		
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	0	0
October	0	0
November	0	0
December	0	0
TOTAL	0	0

*normally estimated

Table 3

Total Water Supply

2020 Month	Surface Water Total (acre-feet)	District Groundwater (acre-feet)	Recycled M&I (acre-feet)	Total District (acre-feet)
Method				
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0	0	0

*Recycled M&I Wastewater is treated urban wastewater that is used for agriculture.

Precipitation Worksheet					Evaporation Worksheet			
2020	inches precip	ft precip	acres	AF/Year	2020	inches evap	ft evap	acres
Jan	0.00	0.00	0.00	0.00	Jan	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	Feb	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	Mar	0.00	0.00	0.00
Apr	0.00	0.00	0.00	0.00	Apr	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	May	0.00	0.00	0.00
Jun	0.00	0.00	0.00	0.00	Jun	0.00	0.00	0.00
Jul	0.00	0.00	0.00	0.00	Jul	0.00	0.00	0.00
Aug	0.00	0.00	0.00	0.00	Aug	0.00	0.00	0.00
Sept	0.00	0.00	0.00	0.00	Sept	0.00	0.00	0.00
Oct	0.00	0.00	0.00	0.00	Oct	0.00	0.00	0.00
Nov	0.00	0.00	0.00	0.00	Nov	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	Dec	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00	TOTAL	0	0.00	0.00

Table 4

Agricultural Distribution System

2020 Canal, Pipeline, Lateral, Reservoir	Length (feet)	Width (feet)	Surface Area (square feet)	Precipitation (acre-feet)	Evaporation (acre-feet)	Spillage (acre-feet)	Seepage (acre-feet)	Total (acre-feet)
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
TOTAL				0.0	0.0	0	0	0

Table 5

Crop Water Needs

2020 Crop Name	Area (crop acres)	Crop ET (AF/Ac)	Leaching Requiremen (AF/Ac)	Cultural Practices (AF/Ac)	Effective Precipitatio (AF/Ac)	Appl. Crop Water Use (acre-feet)
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
	0	0.00	0.0	0.0	0.0	0
Crop Acres	0					0

Total Irrig. Acres _____ (If this number is larger than your known total, it may be due to double cropping)

Table 6

2020 District Water Inventory

Type of Water	Location of Information		
Water Supply	Table 3		0
Riparian ET	(Distribution and Drain)	minus	0
Groundwater recharge	intentional - ponds, injection	minus	0
Seepage	Table 4	minus	0
Evaporation - Precipitation	Table 4	minus	0
Spillage	Table 4	minus	0
Transfers out of District		minus	0
Water Available for sale to customers			0
<hr/>			
Actual Agricultural Water Sales 2020	From District Sales Records		0
Private Groundwater	Table 2	plus	0
Crop Water Needs	Table 5	minus	0
Drainwater outflow	(tail and tile, not recycled)	minus	0
Percolation from Agricultural Land	(calculated)		0
Unaccounted for Water	(calculated)		0

Table 7

Influence on Groundwater and Saline Sink

2020	
Agric Land Deep Perc + Seepage + Recharge - Groundwater Pumping = District Influence	0
Estimated actual change in ground water storage, including natural recharge)	0
Irrigated Acres (from Table 5)	0
Irrigated acres over a perched water table	0
Irrigated acres draining to a saline sink	0
Portion of percolation from agri seeping to a perched water table	#DIV/0!
Portion of percolation from agri seeping to a saline sink	#DIV/0!
Portion of On-Farm Drain water flowing to a perched water table/saline sink	0
Portion of Dist. Sys. seep/leaks/spills to perched water table/saline sink	0
Total (AF) flowing to a perched water table and saline sink	#DIV/0!

Table 8

Annual Water Quantities Delivered Under Each Right or Contract

Year	Federal Ag Water (acre-feet)	Federal non-Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (define) (acre-feet)	Other Water (acre-feet)	Transfers into District (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
2011	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0

Surface Water Supply

2020 Month	Federal Ag Water (acre-feet)	Federal non- Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (define) (acre-feet)	Other Water (acre-feet)	Transfers into District (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
Method								
January	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0

Table 2
Ground Water Supply

2020 Month	District Groundwater (acre-feet)	Private Urban *(acre-feet)	Private Agric Groundwater *(acre-feet)
Method			
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
TOTAL	0	0	0

*normally estimated

Table 3

Total Water Supply

2020 Month	Surface Water Total (acre-feet)	District Groundwater (acre-feet)	Recycled M&I Wastewater (acre-feet)	Total District Water (acre-feet)
Method				
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0	0	0

*Recycled M&I Wastewater is treated urban wastewater that is used for agriculture.

Precipitation Worksheet					Evaporation Worksheet			
2020	inches precip	ft precip	acres	AF/Year	2020	inches evap	ft evap	acres
Jan	0.00	0.00	0.00	0.00	Jan	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	Feb	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	Mar	0.00	0.00	0.00
Apr	0.00	0.00	0.00	0.00	Apr	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	May	0.00	0.00	0.00
Jun	0.00	0.00	0.00	0.00	Jun	0.00	0.00	0.00
Jul	0.00	0.00	0.00	0.00	Jul	0.00	0.00	0.00
Aug	0.00	0.00	0.00	0.00	Aug	0.00	0.00	0.00
Sept	0.00	0.00	0.00	0.00	Sept	0.00	0.00	0.00
Oct	0.00	0.00	0.00	0.00	Oct	0.00	0.00	0.00
Nov	0.00	0.00	0.00	0.00	Nov	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	Dec	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00	TOTAL	0	0.00	0.00

Table 4

Agricultural Distribution System

2020 Canal, Pipeline, Lateral, Reservoir	Length (feet)	Width (feet)	Surface Area (square feet)	Precipitation (acre-feet)	Evaporation (acre-feet)	Spillage (acre-feet)	Seepage (acre-feet)	Total (acre-feet)
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
	0	0	0	0.0	0.0	0	0	0
TOTAL				0.0	0.0	0	0	0

Urban Distribution System

2020 Area or Line	Length (feet)	Leaks (acre-feet)	Breaks (acre-feet)	Flushing/Fire (acre-feet)	Total (acre-feet)
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

Table 6

2020 District Water Inventory

Type of Water	Location of Information		
Water Supply	Table 3		0
Environmental Consumptive Use	(Distribution, Drain, etc.)	minus	
Groundwater recharge	(intentional - ponds, injection)	minus	
Seepage	Table 4	minus	0
Evaporation - Precipitation	Table 4	minus	0
Spillage	Table 4	minus	0
Leaks, Breaks, Flushing / Fire	Table 4	minus	0
Transfers out of District		minus	
Water Available for sale to customers			0
<hr/>			
Actual Agricultural Water Sales	2020	From District Sales Records	
Private Groundwater	Table 2	plus	0
Crop Water Needs	Table 5	minus	0
Drainwater outflow	(tail and tile not recycled)	minus	0
Percolation from Agricultural Land	(calculated)		0
<hr/>			
M&I Actual Water Sales	2020	From District Records	
Inside Use	Feb urban use x 12		
Landscape / Outside Use	(calculated)		0
Unaccounted for Water	(calculated)		0

Table 7

Influence on Groundwater and Saline Sink

2020	
Agric Land Deep Perc + Seepage + Recharge - Groundwater Pumping = District Influence on	0
Estimated actual change in ground water storage, including natural recharge)	0
Irrigated Acres (from Table 5)	0
Irrigated acres over a perched water table	0
Irrigated acres draining to a saline sink	0
Portion of percolation from agri seeping to a perched water table	#DIV/0!
Portion of percolation from agri seeping to a saline sink	#DIV/0!
Portion of On-Farm Drain water flowing to a perched water table/saline sink	0
Portion of Dist. Sys. seep/leaks/spills to perched water table/saline sink	0
Total (AF) flowing to a perched water table and saline sink	#DIV/0!

Table 8

Annual Water Quantities Delivered Under Each Right or Contract

Year	Federal Ag Water (acre-feet)	Federal non-Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (define) (acre-feet)	Other Water (acre-feet)	Transfers into District (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
2011	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0

Year of Data **Enter data year here**

Table 1

Surface Water Supply

2020 Month	Federal Ag Water (acre-feet)	Federal non- Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (define) (acre-feet)	Other Water (define) (acre-feet)	Transfers into District (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
Method								
January	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0

Table 2
Ground Water Supply

2020 Month	District Groundwater (acre-feet)	Private Urban Groundwater *(acre-feet)
Method		
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	0	0
October	0	0
November	0	0
December	0	0
TOTAL	0	0

*normally estimated

Table 3

Total Water Supply

2020 Month	Surface Water Total (acre-feet)	District Groundwater (acre-feet)	Recycled M&I (acre-feet)	Total District (acre-feet)
Method				
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0	0	0

*Recycled M&I Wastewater is treated urban wastewater that is used for agriculture.

Table 4

Urban Distribution System

2020 Area or Line	Length (feet)	Leaks (acre-feet)	Breaks (acre-feet)	Flushing/Fire (acre-feet)	Total (acre-feet)
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

Table 5

Table 6

2020 District Water Inventory

Type of Water	Location of Information		
Water Supply	Table 3		0
Environmental Consumptive Use		minus	0
Groundwater Recharge	(Perc ponds & recharge wells)	minus	0
Transfers out of District		minus	0
Flushing / Fire	Table 4b	minus	0
Distribution System Leaks & Breaks	Table 4b	minus	0
Water Available for sale to customers			0
Actual Water Sale: 2020	From District Records		0
Inside Use	Feb urban use x 12		0
Landscape / Outside Use	(calculated)		0
Unaccounted for Water	(calculated)		0

Table 7

Table 8

Annual Water Quantities Delivered Under Each Right or Contract

Year	Federal Ag Water (acre-feet)	Federal non-Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (define) (acre-feet)	Other Water (define) (acre-feet)	Transfers into District (acre-feet)	Total (acre-feet)
2011	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0

BMP A2: Water Conservation Coordinator and Contact Information

Date	
District Name	
District Address	
District Website	

Reporting Year	
Data Year	

Water Conservation Coordinator

First Name	
Last Name	
Title	
Phone	
Email	

General Manager

First Name	
Last Name	
Title	
Phone	
Email	

Other Contacts

First Name	
Last Name	
Title	
Phone	
Email	

First Name	
Last Name	
Title	
Phone	
Email	

BMP A1: Water Measurement

How many measurement devices do not measure within a +/- 6 percent by volume?	
What is the percentage of delivery points that are measured?	
What is the percentage of delivery points that are measured?	

How many measurement devices did you install this year?	
How many measurement devices did you install this year?	
How many measurement devices will be installed in the following year?	
How many measurement devices will be upgraded in the following year?	

Brief Comments/Narrative

BMP A3: Water Conservation Education and Outreach Programs

In the table below, describe your water conservation education and outreach programs.

BMP A4: Pricing Structure

Has your District adopted a water pricing structure for District water users based, at least in part, on quantity delivered?	
If not, are you meeting the milestones to adopt such a structure?	

Brief Comments/Narrative

BMP A5: Evaluate and Improve the Efficiency of the District’s Pumps

Do you have a pump (including wells and lifts) efficiency evaluation program?	
If not, are you on schedule for meeting the milestones to implement such a program?	
How many pumps did you test for efficiency this year?	
How many pumps will you test for efficiency next year?	

Brief Comments/Narrative

BMP B1: Facilitate Alternative Land Use

Are you exempt from this BMP?	
Do you facilitate alternative uses for lands with exceptionally poor production potential or whose irrigation contributes to significant problems?	
How many acres did you convert this year?	
How many acres will you convert next year?	

Brief Comments/Narrative

BMP B2: Facilitate Use of Available Recycled Water That Otherwise Would Not Be Used Beneficially

Are you exempt from this BMP?	
Do you have a program that will promote the use of recycled water by agricultural customers?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

BMP B3: Facilitate the Financing of Capital Improvements for On-Farm Irrigation Systems

Are you exempt from this BMP?	
Do you have programs to facilitate and/or provide financial incentives for improved on-farm water management?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

BMP B4: Incentive Pricing

Are you exempt from this BMP?	
Do you have a pricing structure that promotes one or more of the following goals? <ul style="list-style-type: none"> • Encourages more efficient water use at the farm level, • Supports planned conjunctive use of groundwater, • Increases groundwater recharge, • Reduces problem drainage, • Improves management of environmental resources, or • Adjusts seasonal rates based on current conditions 	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

BMP B5A: Line Pipe Ditches and Canals

Are you exempt from this BMP?	
Does the District have an on-going canal lining or piping program?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

BMP B5B: Regulatory Reservoirs

Are you exempt from this BMP?	
Have you constructed regulatory reservoirs, within this reporting period, to improve your distribution system's delivery flexibility?	
If not, are you on schedule for meeting the milestones to construct such reservoirs?	

Brief Comments/Narrative

BMP B6: Increase Flexibility in Water Ordering by, and Delivery to, Water Users

Are you exempt from this BMP?	
In the table below, describe any improvements in delivery flexibility completed or under investigation.	

If you did not make any such improvements, are you on schedule for meeting the milestones to implement such a program?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative



BMP B7: Construct and Operate District Spill and Tailwater Recovery Systems

Are you exempt from this BMP?	
Do you have any spills or tailwater leaving the District?	
Have you constructed facilities to capture and reuse district operation spills?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative



BMP B8: Measure Outflow

Are you exempt from this BMP?	
Do you measure the volume outflow with methods or devices that are operated and maintained to a reasonable degree of accuracy, under most conditions, to +/- 20% by volume?	
Do you identify spill locations, prioritize spill locations by quantity of spill, and determine best measurement methods/costs?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

BMP B9: Optimize Conjunctive Use of Surface and Groundwater

Are you exempt from this BMP?	
Are you implementing a plan for conjunctive use of surface and groundwater within the District?	
Does your District have conjunctive use options?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

BMP B10: Automate Distribution and/or Drainage System Structures

Are you exempted from this BMP?	
Is your distribution system completely automated?	
If not, are you investigating system automation?	
In the table below, describe how you reduced spills or increased flexibility.	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

BMP B11: Pump Testing and Evaluation

Are you exempt from this BMP?	
Do you have a program to facilitate or promote customer pump testing and evaluation?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative



BMP B12: Geographic Information System Mapping

Are you exempt from this BMP?	
Have you developed GIS maps of your distribution system and drainage system?	
If not, are you on schedule for meeting the milestones to implement such a program?	

Brief Comments/Narrative

(District Name) Water Management Plan – Plan Format

Section I – Description of the District

(Enter Information Below)	
District Name	
Contact Name	
Title	
Email	
Web Address	

A. History

1. Date District Formed: _____ Date of First Reclamation Contract: _____

- Original Size Acres: ___ Current Year (last complete calendar year): _____
2. Current size, population, and irrigated acres

(Enter Data Year)	
Size (acres)	
Population Served (For Urban, number of connections)	
Irrigated Acres	

3. Water supplies received in current year

Water Source	AF
Federal urban water (Table 1)	
Federal agricultural water (Table 1)	
State water (Table 1)	
Other Wholesaler (define) (Table 1)	
Local surface water (Tbl 1)	
Upslope drain water (Tbl 1)	

Water Source	AF
District groundwater (Tbl 2)	
Banked water (Tbl 1)	
Transferred water (Tbl 1)	
Recycled water (Tbl 3)	
Other (define) (Tbl 1)	
Total	

4. Annual entitlement under each right and/or contract

	AF	Source	Contract #	Availability Period(s)
Reclamation Urban AF/Y				
Reclamation Agriculture AF/Y				
Other AF/Y				
Other AF/Y				

5. Anticipated land-use changes. For Ag contractors, also include changes in irrigated acres

6. Cropping patterns (Agricultural only)

List of current crops (crops with 5% or less of total acreage) can be combined in the 'Other' category

Original Plan (Enter Date)		Previous Plan (Enter Date)		Current Plan (Enter Date)	
Crop Name	Acres	Crop Name	Acres	Crop Name	Acres
Other (<5%)		Other (<5%)		Other (<5%)	

Crop Name	Acres	Crop Name	Acres	Crop Name	Acres
Total		Total		Total	

7. Major irrigation methods (by acreage) (Agricultural only)

Original Plan (Enter Date)		Previous Plan (Enter Date)		Current Plan (Enter Date)	
Irrigation Method	Acres	Irrigation Method	Acres	Irrigation Method	Acres
Level basin		Level basin		Level basin	
Furrow		Furrow		Furrow	
Sprinkler		Sprinkler		Sprinkler	
Low-volume		Low-volume		Low-volume	
Multiple		Multiple		Multiple	
Other		Other		Other	
Total		Total		Total	

B. Location and Facilities

See Attachment A for maps containing the following: incoming flow locations, turnouts (internal flow), and outflow (spill) points, conveyance system, storage facilities, operational loss recovery system, district wells and lift pumps, water quality monitoring locations, and groundwater facilities.

1. Incoming flow locations and measurement methods

Location Name	Physical Location	Type of Measurement Device	Accuracy

2. Current year Agricultural Conveyance System

Miles of Unlined – Canal	Miles of Lined – Canals	Miles of Pipe	Miles - Other

3. Current year Urban Distribution System

Miles of AC Pipe	Miles of Steel Pipe	Miles of Cast Iron Pipe	Miles - Other

4. Storage facilities (tanks, reservoirs, regulating reservoirs)

Name	Type	Capacity (AF)	Distribution or Spill

5. Description of the agricultural spill recovery system and outflow points

6. Agricultural delivery system operation

Scheduled	Rotation	Other (Describe)

7. Restrictions on water source(s)

Source	Restriction	Cause of Restriction	Effect on Operations

8. Proposed changes or additions to facilities and operations for the next 5 years

Weather station ID: _____ Data period: Year _____ to Year _____
ET Station ID: _____ Average annual frost-free days: _____

Frost Free Days – According to National Oceanic and Atmospheric Administration (NOAA), frost free days are days with temperatures greater than 28 degrees Fahrenheit.

2. Impact of microclimates on water management within the service area

E. Natural and Cultural Resources

1. Natural resource areas within the service area

Name	Estimated Acres	Description

2. Description of district management of these resources in the past or present

3. Recreational and/or cultural resources areas within the service area

Name	Estimated Acres	Description

F. Operating Rules and Regulations

1. Operating rules and regulations

See Attachment B, District Rules and Regulations (water related)

Water allocation policy (Agricultural only)

See Attachment B, Page (insert page number here)

Summary

2. Official and actual lead times necessary for water orders and shut-off

See Attachment B, Page (insert page number here)

Summary

3. Policies regarding return flows (surface and subsurface drainage from farms) and outflow (Agricultural only)

See Attachment B, Page (insert page number here)

Summary

4. Policies on water transfers by the district and its customers
See Attachment B, Page (insert page number here) Summary –

See Attachment B, Page (insert page number here)

Summary

G. Water Measurement, Pricing, and Billing

1. Agricultural Customers – Refer to BMP A.1. Information on water measurement for agricultural contractors is completed under BMP A.1 on page 4-15.
2. Urban Customers
 - a. Total number of connections _____
 - b. Total number of metered connections _____
 - c. Total number of connections not billed by quantity _____
 - d. Percentage of water that was measured at delivery point _____
 - e. Percentage of delivered water that was billed by quantity _____
 - f. Measurement device table

Meter Size and Type	Number	Accuracy* (+/- Percentage)	Reading Frequency (Days)	Calibration Frequency (Months)	Maintenance Frequency (Months)
5/8" - 3/4"					
1"					
1-1/2"					
2"					
3"					
4"					
6"					
8"					
10"					
Compound					
Turbo					
Other (define)					
Total					

* Documentation verifying the accuracy of measurement devices must be submitted with Plan and included as Attachment C.

3. Agricultural and Urban Rates
 - a. Current year agricultural and /or urban water charges - including rate structures and billing frequency.

See Attachment B, Page (insert page number here) for current year rate ordinance.

b. Annual charges collected from agricultural customers

Fixed Charges

Charges (\$ by unit)	Charge Units (\$/AF, etc)	Units Billed During Year (AF, etc)	Total \$ Collected (\$ times Units)

Please refer to the guidebook for information when completing the table.

Volumetric Charges

Charges (\$ by unit)	Charge Units (\$/AF, etc)	Units Billed During Year (AF, etc)	Total \$ Collected (\$ times Units)

Please refer to the guidebook for information when completing the table.

c. Describe the contractor's record management system

H. Water Shortage Allocation Policies

1. Current year water shortage policies or shortage response plan – specifying how reduced water supplies are allocated
See Attachment E, page (insert page number here), District Water Shortage Plan

2. Current year policies that address wasteful use of water and enforcement methods
See Attachment B, page (insert page number here)

I. Evaluate Policies of Regulatory Agencies Affecting the Contractor and Identify Policies that Inhibit Good Water Management

Discuss possible modifications to policies and solutions for improved water management

Section II – Inventory of Water Resources

A. Surface Water Supply

1. Surface water supplies in acre feet, imported and originating within the service area, by month (Table 1)
See Chapter 5, Water Inventory Tables, Table 1
2. Amount of water delivered to the district by each of the district sources for the last 10 years
See Chapter 5, Water Inventory Tables, Table 8

B. Groundwater Supply

1. Groundwater extracted by the district and delivered, by month (Table 2) – See Chapter 5, Water Inventory Tables, Table 8
2. Groundwater basin(s) that underlies the service area

Name	Size (Square Miles)	Usable Capacity (AF)	Safe Yield (AF/Y)

3. Map of district-operated wells and managed groundwater recharge areas
See Attachment A, for District Map of Groundwater Facilities
4. Description of conjunctive use of surface and groundwater
(Please review Guidebook definition of conjunctive use)
5. Groundwater Management Plan
See Attachment F, Groundwater Management Plan

6. Groundwater Banking Plan – See Attachment G, Groundwater Banking Plan

C. Other Water Supplies

1. “Other” water used as part of the water supply – Describe supply

See Chapter 5, Water Inventory Tables, Table 8

D. Source Water Quality Monitoring Practices

- 1. Potable water quality (Urban only)
See Attachment H – District Annual Potable Water Quality Report
- 2. Agricultural water quality concerns: [] No [] Yes (if yes, describe)
- 3. Description of the agricultural water quality testing program and the role of each participant, including the district, in the program

4. Current water quality monitoring programs for surface water by source (Agricultural only)

Analyses Performed	Frequency	Concentration Range	Average

5. Current water quality monitoring programs for groundwater by source (Agricultural only)

Analyses Performed	Frequency	Concentration Range	Average

Analyses Performed	Frequency	Concentration Range	Average

E. Water Uses Within the District

1. Agricultural
See Chapter 5, Water Inventory Tables, Table 5 - Crop Water Needs
2. Types of irrigation systems used for each crop in current year

Crop Name	Total Acres	Level Basin (Acres)	Furrow (Acres)	Sprinkler (Acres)	Low Volume (Acres)	Multiple Methods (Acres)	Other (Acres)

3. Urban use by customer type in current year

Customer Type	Number of Connections	AF
Single-family		
Multi-family		
Commercial		
Industrial		
Institutional		
Landscape irrigation		
Wholesale		
Recycled		
Other (specify)		
Other (specify)		
Other (specify)		
Unaccounted for		
Total		

4. Urban Wastewater Collection/Treatment Systems serving the service area

Treatment Plant	Treatment Level (1,2,3)	AF	Disposal to/Uses
	Total		
Total discharged to ocean and/or saline sink			

5. Groundwater recharge in current year (Table 6)

Recharge Area	Method of Recharge	AF	Method of Retrieval
	Total		

6. a. Transfers and exchanges **into** the service area in current year – (Table 1)

From Whom	To Whom	AF	Use
	Total		

6. b. Transfers and exchanges **out** of the service area in current year – (Table 6)

From Whom	To Whom	AF	Use
	Total		

7. Wheeling, or other transactions in and out of the district boundaries – (Table 6)

From Whom	To Whom	AF	Use
	Total		

8. Other uses of water

Other Uses	AF

F. Outflow from the District (Agricultural only)

See Facilities Map, Attachment A, for the location of surface and subsurface outflow points, outflow measurement points, outflow water-quality testing locations

1. Surface and subsurface drain/outflow

Outflow Point	Location Description	AF	Type of Measurement	Accuracy (%)	% of Outflow	Acres Drained

Outflow Point	Where the Outflow Goes (Drain, River, or Other Location)	Type Reuse

2. Description of the Outflow (surface and subsurface) water quality testing program and the role of each participant in the program

3. Outflow (surface drainage & spill) Quality Testing Program

Analyses Performed	Frequency	Concentration Range	Average	Reuse Limitation

Outflow (subsurface drainage) Quality Testing Program

Analyses Performed	Frequency	Concentration Range	Average	Reuse Limitation

4. Provide a brief discussion of the District’s involvement in Central Valley Regional Water Quality Control Board programs or requirements for remediating or monitoring any contaminants that would significantly degrade water quality in the receiving surface waters.

Districts included in the drainage problem area, as identified in “A Management Plan for Agricultural Subsurface Drainage and Related Problems on the Westside San Joaquin Valley (September 1990),” should also complete Water Inventory **Table 7 in Chapter 5** and use Addendum C for information. If a Drainage Problem Report is available, please provide a copy as Attachment L.

G. Water Accounting (Inventory)

See Chapter 5 for Agricultural Water Inventory Tables and Instructions.

See Chapter 6 for Urban Water Inventory Tables and Instructions.

Section III – Best Management Practices (BMPS) for Agricultural Contractors

A. Critical Agricultural BMPs

1. Measure the volume of water delivered by the district to each turnout with devices that are operated and maintained to a reasonable degree of accuracy, under most conditions, to +/- 6%
 - a. Number of delivery points (turnouts and connections) _____

- b. Number of delivery points serving more than one farm _____
- c. Number of measured delivery points (meters and measurement devices) _____
- d. Percentage of water delivered to the contractor that was measured at a delivery point Percentage of water that was measured at delivery point _____
- e. Total number of delivery points not billed by quantity _____
- f. Delivery point measurement device table

Measurement Type	Number	Accuracy* (+/- %)	Reading Frequency (Days)	Calibration Frequency (Months)	Maintenance Frequency (Months)
Orifices					
Propeller meters					
Weirs					
Flumes					
Venturi					
Metered gates					
Acoustic dopplers					
Other (define)					
Total					

* Documentation verifying the accuracy of measurement devices must be submitted with Plan and included in Attachment C.

- 2. Designate a water conservation coordinator to develop and implement the Plan and develop Annual Updates.

Name _____ Title _____
 Address _____
 Telephone _____ Email _____

Provide the job description and minimum qualifications

- 3. Provide or support the availability of water management services to water users See Attachment I, Notices of District Education Programs and Services Available to Customers.

4. On farm irrigation and drainage system evaluations using a mobile lab type assessment

	Total in District	# Surveyed Last Year	# Surveyed in Current Year	#Projected for Next Year	# Projected 2 nd Year in Future
Irrigated Acres					
Number of Farms					

a. Timely field and crop-specific water delivery information to the water user

b. Real-time and normal irrigation scheduling and crop ET information

c. Surface, ground, and drainage water quantity and quality data provided to water users

d. Agricultural water management educational programs and materials for farmers, staff, and the public

Program	Co-Funders (If Any)	Yearly Targets

See Attachment I for samples of provided materials and notices

e. Other

--

5. Pricing structure – based at least in part on quantity delivered. Adopt a water pricing structure based on the measured quantity delivered
6. Evaluate and improve efficiencies of district pumps. Describe the program to evaluate and improve the efficiencies of the contractor’s pumps

	Total in District	# Surveyed Last Year	# Surveyed in Current Year	#Projected for Next Year
Wells				
Lift Pumps				

B. Exemptible BMPs for Agricultural Contractors

(See Planner, Chapter 2, Addendum B for examples of exemptible conditions)

1. Facilitate alternative land use

Drainage Characteristic	Acreage	Potential Alternate Uses
High water table (<5 feet)		
Poor drainage		
Groundwater Selenium concentration > 50 ppb		
Poor productivity		

Describe how the contractor encourages customers to participate in these programs

2. Facilitate use of available recycled urban wastewater

Sources of Recycled Urban Waste Water	AF/Y Available	AF/Y Currently Used in District

3. Facilitate the financing of capital improvements for on-farm irrigation systems

Program	Description

4. Incentive pricing
Describe incentive rate structure or other programs and purpose

5. a. Line or pipe ditches and canals

Canal/Lateral (Reach)	Types of Improvement	Number of Miles in Reach	Estimated Seepage (AF/Y)	Accomplished/Planned Date

5. b. Construct/line regulatory reservoirs

Reservoir Name	Location	Describe Improved Operational Flexibility and AF Savings

6. Increase flexibility in water ordering by, and delivery to, water users
See Attachment J, contractor 'agricultural water order' form

7. Construct and operate district spill and tailwater recovery systems

Distribution System Lateral	Annual Spill (AF/Y)	Quantity Recovered and Reused (AF/Y)
Total		

Drainage System Lateral	Annual Drainage Outflow (AF/Y)	Quantity Recovered and Reused (AF/Y)
Total		

Describe facilities that resulted in reduced spill and tailwater

8. Plan to measure outflow

- a. Total # of outflow (surface) locations/points _____
- b. Total # of outflow (subsurface) locations/points _____
- c. Total # of measured outflow points _____
- d. Percentage of total outflow (volume) measured during report year _____
- e. Identify locations, prioritize, determine best measurement method/cost, submit funding proposal _____

Estimated Cost (in \$1,000s)

Location and Priority	Current Year	Year 2	Year 3	Year 4	Year 5

9. Optimize conjunctive use of surface and groundwater
Describe the potential for increasing conjunctive use of surface and groundwater
10. Automate distribution and/or drainage system structures
Identify locations where automation would increase delivery flexibility and reduce spill and losses. Describe program to achieve these benefits and estimate the annual water savings
11. Facilitate or promote water customer pump testing and evaluation
See Attachment I, Notices of District Education Programs and Services Available to Customers
12. Mapping

Estimated Cost (in \$1,000s)

GIS Maps	Current Year	Year 2	Year 3	Year 4	Year 5
Layer 1 – Distribution system					
Layer 2 – Drainage system					
Suggested layers:					
Layer 3 – Groundwater information					
Layer 4 – Soils map					
Layer 5 – Natural & cultural resources					
Layer 6 – Problem areas					

C. Provide a 5-Year Budget for Implementing BMPs

1. Amount actually spent during current year

Current Year BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
A1	Measurement	\$0	0
A2	Conservation staff	\$0	0
A3	On-farm evaluation/water delivery info	\$0	0

Current Year BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
	irrigation Scheduling Water quality Agricultural Education Program		
A4	Quantity pricing	\$0	0
A5	Contractor's pumps	\$0	0
B1	Alternative land use	\$0	0
B2	Urban recycled water use	\$0	0
B3	Financing of on-farm improvements	\$0	0
B4	Incentive pricing	\$0	0
B5	Line or pipe canals/install reservoirs	\$0	0
B6	Increase delivery flexibility	\$0	0
B7	District spill/tailwater recovery systems	\$0	0
B8	Measure outflow	\$0	0
B9	Optimize conjunctive use	\$0	0
B10	Automate canal structures	\$0	0
B11	Customer pump testing	\$0	0
B12	Mapping	\$0	0
	Total	\$0	0

2. Projected budget summary for the next year

Year 2 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
A1	Measurement	\$0	0
A2	Conservation staff	\$0	0
A3	On-farm evaluation/water delivery info irrigation Scheduling Water quality Agricultural Education Program	\$0	0
A4	Quantity pricing	\$0	0
A5	Contractor's pumps	\$0	0
B1	Alternative land use	\$0	0
B2	Urban recycled water use	\$0	0
B3	Financing of on-farm improvements	\$0	0
B4	Incentive pricing	\$0	0
B5	Line or pipe canals/install reservoirs	\$0	0
B6	Increase delivery flexibility	\$0	0
B7	District spill/tailwater recovery systems	\$0	0
B8	Measure outflow	\$0	0

Year 2 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
B9	Optimize conjunctive use	\$0	0
B10	Automate canal structures	\$0	0
B11	Customer pump testing	\$0	0
B12	Mapping	\$0	0
	Total	\$0	0

3. Projected budget summary for the 3rd year

Year 3 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
A1	Measurement	\$0	0
A2	Conservation staff	\$0	0
A3	On-farm evaluation/water delivery info irrigation Scheduling Water quality Agricultural Education Program	\$0	0
A4	Quantity pricing	\$0	0
A5	Contractor's pumps	\$0	0
B1	Alternative land use	\$0	0
B2	Urban recycled water use	\$0	0
B3	Financing of on-farm improvements	\$0	0
B4	Incentive pricing	\$0	0
B5	Line or pipe canals/install reservoirs	\$0	0
B6	Increase delivery flexibility	\$0	0
B7	District spill/tailwater recovery systems	\$0	0
B8	Measure outflow	\$0	0
B9	Optimize conjunctive use	\$0	0
B10	Automate canal structures	\$0	0
B11	Customer pump testing	\$0	0
B12	Mapping	\$0	0
	Total	\$0	0

4. Projected budget summary for the 4th year

Year 4 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
A1	Measurement	\$0	0
A2	Conservation staff	\$0	0
A3	On-farm evaluation/water delivery info	\$0	0

Year 4 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
	irrigation Scheduling Water quality Agricultural Education Program		
A4	Quantity pricing	\$0	0
A5	Contractor's pumps	\$0	0
B1	Alternative land use	\$0	0
B2	Urban recycled water use	\$0	0
B3	Financing of on-farm improvements	\$0	0
B4	Incentive pricing	\$0	0
B5	Line or pipe canals/install reservoirs	\$0	0
B6	Increase delivery flexibility	\$0	0
B7	District spill/tailwater recovery systems	\$0	0
B8	Measure outflow	\$0	0
B9	Optimize conjunctive use	\$0	0
B10	Automate canal structures	\$0	0
B11	Customer pump testing	\$0	0
B12	Mapping	\$0	0
	Total	\$0	0

5. Projected budget summary for the 5th year

Year 5 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
A1	Measurement	\$0	0
A2	Conservation staff	\$0	0
A3	On-farm evaluation/water delivery info irrigation Scheduling Water quality Agricultural Education Program	\$0	0
A4	Quantity pricing	\$0	0
A5	Contractor's pumps	\$0	0
B1	Alternative land use	\$0	0
B2	Urban recycled water use	\$0	0
B3	Financing of on-farm improvements	\$0	0
B4	Incentive pricing	\$0	0
B5	Line or pipe canals/install reservoirs	\$0	0
B6	Increase delivery flexibility	\$0	0
B7	District spill/tailwater recovery systems	\$0	0
B8	Measure outflow	\$0	0

Year 5 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
B9	Optimize conjunctive use	\$0	0
B10	Automate canal structures	\$0	0
B11	Customer pump testing	\$0	0
B12	Mapping	\$0	0
	Total	\$0	0

Section IV – Best Management Practices for Urban Contractors

A. BMP Compliance Methodology

Describe the methodology selected for BMP compliance: Traditional, Flexible, or GPCD. Provide a description of how water savings is being achieved through the selected methodology.

B. Foundational BMPs

1. Operations Programs
 - 1.1. Operations Practices
 - A.1) Conservation Coordinator
 - A.2) Water waste prevention
 - A.3) Wholesale agency assistance programs
 - 1.2. Water Loss Control
 - 1.3. Metering with Commodity Rates for All New Connections and Retrofit of Existing Connections
 - 1.4. Retail Conservation Pricing
2. Education Programs
 - 1.1. Public Information Programs
 - 1.2. School Education Programs

C. Programmatic BMPs

3. Residential
 - A.1) Residential assistance program
 - A.2) Landscape water survey

- A.3) High-efficiency clothes washers (HECWs)
- A.4) WaterSense Specification (WSS) toilets
- A.5) WaterSense Specifications for residential development
- 4. Commercial, Industrial, and Institutional (CII)
- 5. Landscape

D. Provide a 5-Year Budget for Expenditures and Staff Effort for BMPs

- 1. The following tables for the traditional methodology, if flexible or GPCD methodology is chosen, adjust the following table accordingly. Amount actually spent during current year

Current Year BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
1	Utility Operations		
1.1	Operation Practices	\$0	0
1.2	Water Loss Control	\$0	0
1.3	Metering	\$0	0
1.4	Retail Conservation Pricing	\$0	0
2	Educational Programs		
2.1	Public Information Programs	\$0	0
2.2	School Educational Programs	\$0	0
3	Residential	\$0	0
4	CII	\$0	0
5	Landscape	\$0	0
	Total	\$0	0

- 2. Projected budget summary for 2nd year

Year 2 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
1	Utility Operations		
1.1	Operation Practices	\$0	0
1.2	Water Loss Control	\$0	0
1.3	Metering	\$0	0
1.4	Retail Conservation Pricing	\$0	0
2	Educational Programs		
2.1	Public Information Programs	\$0	0
2.2	School Educational Programs	\$0	0

Year 2 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
3	Residential	\$0	0
4	CII	\$0	0
5	Landscape	\$0	0
	Total	\$0	0

3. Projected budget summary for 3rd year

Year 3 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
1	Utility Operations		
1.1	Operation Practices	\$0	0
1.2	Water Loss Control	\$0	0
1.3	Metering	\$0	0
1.4	Retail Conservation Pricing	\$0	0
2	Educational Programs		
2.1	Public Information Programs	\$0	0
2.2	School Educational Programs	\$0	0
3	Residential	\$0	0
4	CII	\$0	0
5	Landscape	\$0	0
	Total	\$0	0

4. Projected budget summary for 4th year

Year 4 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
1	Utility Operations		
1.1	Operation Practices	\$0	0
1.2	Water Loss Control	\$0	0
1.3	Metering	\$0	0
1.4	Retail Conservation Pricing	\$0	0
2	Educational Programs		
2.1	Public Information Programs	\$0	0
2.2	School Educational Programs	\$0	0
3	Residential	\$0	0
4	CII	\$0	0
5	Landscape	\$0	0
	Total	\$0	0

5. Projected budget summary for 5th year

Year 5 BMP #	BMP Name	Budgeted Expenditure (not including staff time)	Staff Hours
1	Utility Operations		
1.1	Operation Practices	\$0	0
1.2	Water Loss Control	\$0	0
1.3	Metering	\$0	0
1.4	Retail Conservation Pricing	\$0	0
2	Educational Programs		
2.1	Public Information Programs	\$0	0
2.2	School Educational Programs	\$0	0
3	Residential	\$0	0
4	CII	\$0	0
5	Landscape	\$0	0
	Total	\$0	0

Plan Review Form

Evaluation Form for the Reclamation Water Conservation Plan 2020 Criteria

Contractor _____

Response categories: A = adequate, E = exemptible, NA = not applicable, MI = needs more information. Each of the items listed below must be rated A, E, or NA for a plan to be considered consistent with the criteria.

Section I: Description of the District

Contact information A NA MI

A. History

1. Date district formed, first Reclamation contract, original size, current year A NA MI
2. Current size, population, and irrigated acres A NA MI
3. Water supplies received in current year A NA MI
4. Annual entitlement under each right and/or contract A NA MI
5. Anticipated land-use changes A NA MI
6. Cropping patterns (Ag only) A NA MI
7. Major irrigation methods (by acreage) (Ag only) A NA MI

B. Location and Facilities

1. Incoming flow locations and measurement methods A NA MI
2. Current year Agricultural Conveyance System..... A NA MI
3. Current year Urban Distribution System A NA MI
4. List storage facilities A NA MI
5. Description of agricultural spill recovery system..... A NA MI
6. Agricultural delivery system operation A NA MI
7. Restrictions on the District's water source(s)..... A NA MI
8. Proposed changes or additions to facilities & operations (next 5 yrs) A NA MI

C. Topography and Soils

1. Topography of District and impacts on water operations & management A NA MI
2. District soil association map (Ag only) A NA MI
3. Agricultural limitations resulting from soil problems (Ag only)..... A NA MI

D. Climate

- 1. General climate of the District service area
 - a. Period of record and weather station ID used A NA MI
 - b. Average precipitation (by month and annual) A NA MI
 - c. Average, maximum and minimum temperatures (by month and annual)..... A NA MI
 - d. Wind velocity and frost – free days A NA MI
- 2. Impact of any microclimates on water management within the District..... A NA MI

E. Natural and Cultural Resources

- 1. Identify natural resources within the District..... A NA MI
- 2. Describe mgmt of resources, past or present, by District..... A NA MI
- 3. Identify recreational and/or cultural resources areas within the District A NA MI

F. Operating Rules and Regulations

- 1. Attach a copy of the District’s operating rules and regulations..... A NA MI
- 2. Describe agricultural water allocation policy..... A NA MI
- 3. Describe lead times for water orders and shut-off (Ag only) A NA MI
- 4. Describe policies surface & subsurface drainage from farms (Ag only)..... A NA MI
- 5. Describe policies on transfers by District and its customers..... A NA MI

G. Water Measurement, Pricing, and Billing

1. Agricultural Customers

- a. Total number of farms A NA MI
- b. Total number of delivery points..... A NA MI
- c. Total number of delivery points serving more than 1 farm A NA MI
- d. Total number of measured delivery points..... A NA MI
- e. Percent of delivered water measured at delivery point A NA MI
- f. Measurement device table A NA MI

2. Urban Customer

- a. Total number of connections A NA MI
- b. Number of metered connections A NA MI
- c. Number of connections not billed by quantity A NA MI
- d. Percent of water that was measured at delivery point A NA MI
- e. Percent of water that was billed by quantity A NA MI
- f. Measurement device table A NA MI

3. Ag and Urban Customers

- a. Describe/attach current year water charges A NA MI
- b. Annual charges collected from customers (fixed and volumetric) A NA MI
- c. Describe or attach water-use data accounting procedures A NA MI

H. Water Shortage Allocation Policies

- 1. Attach District’s current year water shortage policies A NA MI
- 2. Describe how reduced water supplies are allocated A NA MI

- 3. Attach District’s current year policies that address wasteful use of water and enforcement A NA MI

I. Evaluate Policies of Regulatory Agencies

- 1. Discuss modifications and solutions for improved water management A NA MI

Section II: Inventory of Water Resources

A. Surface Water Supply

- 1. AF amounts of surface water delivered to the District by each of the Districts sources (see tables 1 & 8) A NA MI

B. Groundwater Supply

- 1. AF amounts of groundwater pumped and delivered (see table 2) A NA MI
- 2. Description of groundwater basin(s) that underlie the District A NA MI
- 3. Map of District operated wells and groundwater recharge areas A NA MI
- 4. Description of conjunctive use of surface & groundwater A NA MI
- 5. For managed ground water basins, attach groundwater mgmt plan..... A NA MI
- 6. For participation in groundwater banking, attach water banking mgmt plan A NA MI

C. Other Water Supplies

- 1. Long term water supplies not described above (see table 1) A NA MI

D. Source Water Quality Monitoring Practices

- 1. Potable Water Quality - attach current Water Quality Rpt (Urban only) A NA MI
- 2. Water quality concerns (Ag only) A NA MI
- 3. Water quality testing program and the role of each participant (Ag only) A NA MI
- 4. Water quality monitoring programs, surface (Ag only) A NA MI
- 5. Water quality monitoring programs, groundwater (Ag only) A NA MI

E. Water Uses Within the District

- 1. Agricultural (see table 5) A NA MI
- 2. Types of irrigation systems used by crop type and acre (Ag only) A NA MI
- 3. Urban use by customer type in current year A NA MI
- 4. Urban wastewater collection & treatment systems A NA MI
- 5. Groundwater recharge/management/banking A NA MI
- 6. Transfers and exchanges into or out of the service area A NA MI
- 7. Trades, wheeling, wet/dry exchanges or other transactions A NA MI
- 8. Any other uses of water A NA MI

F. Outflow from the District (Ag only)

- 1. Provide a description of each surface and subsurface outflow point A NA MI
- 2. Description of outflow water quality testing program A NA MI
- 3. Analysis of outflow water A NA MI
- 4. Involvement in Water Quality Control Board requirements A NA MI

G. Water Accounting (Inventory)

- Table 1 A NA MI
- Table 2 A NA MI
- Table 3 A NA MI
- Table 4 A NA MI
- Table 5 (Ag only) A NA MI
- Table 6 A NA MI
- Table 7 (Ag only) A NA MI
- Table 8 A NA MI

Section III: Best Management Practices (BMPs) for Agricultural Contractors

A. Critical Agricultural BMPs

- 1. Water measurement A NA MI
- 2. Designate water conservation coordinator A NA MI
- 3. Provide or support the availability of water mgmt services to water users A NA MI
 - a. On-farm evaluations A NA MI
 - b. Crop and field water use info to customers A NA MI
 - c. Normal year and real-time irrigation scheduling and crop ET info A NA MI
 - d. Surface, ground and drainage water quantity and quality data A NA MI
 - e. Edu programs/materials for farmers, staff, public (attach samples) A NA MI
 - f. Other A NA MI
- 4. Pricing structure A NA MI
- 5. Evaluate and improve efficiencies of the District’s pumps A NA MI

B. Exemptible Best Management Practices for Agricultural Contractors

- 1. Alternative land use A NA MI E
- 2. Facilitate use of available recycled water A NA MI E
- 3. Facilitate the financing of on-farm irrigation systems A NA MI E
- 4. Incentive pricing A NA MI E
- 5. Line or pipe ditches and canals A NA MI E
- 6. Regulatory reservoirs A NA MI E
- 7. Increase flexibility in ordering and deliveries A NA MI E
- 8. Spill and tailwater recovery systems (distribution and drainage) A NA MI E
- 9. Plan to measure outflow A NA MI E
- 10. Optimize conjunctive use A NA MI E
- 11. Automate canal structures A NA MI E
- 12. Facilitate or promote customer pump testing and evaluation A NA MI E
- 13. Mapping A NA MI E

C. Provide a 5-Year Budget Best Management Practices A NA MI

Section IV: Best Management Practices for Urban Contractors

A. BMP Compliance Methodology..... A NA MI

B. Foundational BMPs A NA MI

1. Utilities Operations

1.1 Operations Practices A NA MI

1.2 Water loss control..... A NA MI

1.3 Metering A NA MI

1.4 Retail Conservation Pricing A NA MI

2. Education Programs

2.1 Public Information Programs A NA MI

2.2 School Education Programs A NA MI

C. Programmatic BMPs

3. Residential A NA MI

4. CII A NA MI

5. Landscape A NA MI

D. Provide a 5-Year Budget for Implementing BMPs..... A NA MI

Attachments

Attachment A - District Maps A NA MI

Attachment B - District Rules and Regulations A NA MI

Attachment C - Measurement Device Documentation A NA MI

Attachment D - District Sample Bills A NA MI

Attachment E - District Water Shortage Plan A NA MI

Attachment F - Groundwater Management Plan (if applicable) A NA MI

Attachment G - Groundwater Banking Plan (if applicable) A NA MI

Attachment H - Annual Potable Water Quality Report – Urban A NA MI

Attachment I - Notices of District Education Programs Available to Customers A NA MI

Attachment J - District Agricultural Water Order form (if applicable) A NA MI

Attachment K – District Soils Map (if applicable) A NA MI

Attachment L - Drainage Problem Area Report (if applicable) A NA MI

Attachment M - Other A NA MI

Contact Information Update

Date	
Water District	
District Address	
District Website	

Conservation Coordinator

First Name	
Last Name	
Title	
Phone	
Email	

General Manager

First Name	
Last Name	
Title	
Phone	
Email	

Other Contact

First Name	
Last Name	
Title	
Phone	
Email	

Gallons Per Capita Water Reduction

Reporting Year	
Data Year	

What was your GPCD the last 5 years?

Year	GPCD

If not using programmatic method of water efficiency, what is your district implementing to reduce water use? Provide a brief narrative.

If your district's GPCD is not declining, please provide a narrative of why and what your district will be doing to accomplish water usage savings.

Metering With Commodity Rates

Are all connections metered? Yes No NA
If not 100% metered, please provide a narrative of why and when your district will be fully metered.

Are all metered connections billed by water usage? Yes No NA
If no, please provide a brief narrative of why and when your district will be billing by water usage?

Retail Conservation Pricing

Is your district billing utilizing conserving rate structure? Yes No NA

Website to billing rate structure	
-----------------------------------	--

If no, please provide a brief narrative of why or when your district will be implementing a conserving rate structure.

Water Waste Prohibition

Water Waste Ordinance	Yes	No	NA
Ordinance Website Address			

Other Pertinent Links

	Title	Website
1		
2		
3		
4		
5		

Brief Comments/Narrative

Water Loss Control

Water Loss Program?	Yes	No	NA
If not using AWWA Water Audit Software, brief description of program and/or link to website.			

AWWA Water Audit Software?	Yes	No	NA
----------------------------	-----	----	----

Water Audit Data Validity Score	
Data Validity Level	
Date of Last Analysis	

Brief Comments/Narrative

Public Outreach

Briefly list/describe your Public Outreach Programs:

	Title	Website
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Brief Comments/Narrative

School Education Programs

Briefly list/describe your School Education Programs:

	Title	Website
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Brief Comments/Narrative

Residential Programs

Briefly list/describe your Residential Programs:

	Title	Website
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Are your programs effective? Yes No NA

Has your district reached program participation saturation? Yes No NA

Brief Comments/Narrative

Commercial, Institutional, and Industrial Programs

Briefly list/describe your CII Programs:

	Title	Website
1		
2		
3		
4		
5		
6		
7		
8		

Are your programs effective? Yes No NA

Has your district reached program participation saturation? Yes No NA

Brief Comments/Narrative

Landscape Programs

Briefly list/describe your Landscape Programs:

	Title	Website
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Are your programs effective? Yes No NA

Has your district reached program participation saturation? Yes No NA

Brief Comments/Narrative

DRAFT

Urban Water Management Plan Crosswalk Table 2020 Criteria

Please fill in the boxes with the appropriate UWMP page or response. Response categories: page #, and S = Supplemental document, or E = exempt, or NA = not applicable. Each of the items listed below must contain a response to be considered consistent with Reclamation’s Standard Criteria.

Section I: Description of the District

Contact information..... _____

A. History

1. Date district formed, first Reclamation contract, original size, current year _____
2. Current size, population, and irrigated acres _____
3. Water supplies received in current year..... _____
4. Annual entitlement under each right and/or contract..... _____
5. Anticipated land-use changes _____

B. Location and Facilities

1. Incoming flow locations and measurement methods _____
2. Current year Agricultural Conveyance System..... _____
3. Current year Urban Distribution System _____
4. List storage facilities _____
5. Restrictions on the District’s water source(s)..... _____
6. Proposed changes or additions to facilities & operations (next 5 yrs)..... _____

C. Topography and Soils

1. Topography of District and impacts on water operations & management _____

D. Climate

1. General climate of the District service area..... _____
 - a. Period of record and weather station ID used _____
 - b. Average precipitation (by month and annually)..... _____
 - c. Average, maximum and minimum temperatures (by month and annual)..... _____
 - d. Wind velocity and frost – free days..... _____
2. Impact of any microclimates on water management within the District _____

E. Natural and Cultural Resources

1. Identify natural resources within the District..... _____

DRAFT

- 2. Describe mgmt of resources, past or present, by District..... _____
- 3. Identify recreational and/or cultural resources areas within the District..... _____

F. Operating Rules and Regulations

- 1. Attach a copy of the District’s operating rules and regulations..... _____
- 2. Describe agricultural water allocation policy _____
- 3. Describe policies on transfers by District and its customers _____

G. Water Measurement, Pricing, and Billing

- 1. Urban Customer _____
 - a. Total number of connections..... _____
 - b. Number of metered connections _____
 - c. Number of connections not billed by quantity..... _____
 - d. Percent of water that was measured at delivery point _____
 - e. Percent of water that was billed by quantity _____
 - f. Measurement device table _____
- 2. Ag and Urban Customers _____
 - a. Describe/attach current year water charges..... _____
 - b. Annual charges collected from customers (fixed and volumetric) _____
 - c. Describe or attach water-use data accounting procedures..... _____

H. Water Shortage Allocation Policies

- 1a. Attach District’s current year water shortage policies _____
- 1b. Describe how reduced water supplies are allocated _____
- 2. Attach District’s current year policies that address wasteful use of water and enforcement _____

I. Evaluate Policies of Regulatory Agencies

- 1. Discuss modifications and solutions for improved water management..... _____

Section II: Inventory of Water Resources

A. Surface Water Supply

- 1. AF amounts of surface water delivered to the District by each of the _____
Districts sources (see table 1)
- 2. Historical amount of water delivered for the last 10 years (see table 8)..... _____

B. Groundwater Supply

- 1. AF amounts of groundwater pumped and delivered (see table 2) _____

DRAFT

- 2. Description of groundwater basin(s) that underlie the District..... _____
- 3. Map of District operated wells and groundwater recharge areas. _____
- 4. Description of conjunctive use of surface & groundwater _____
- 5. For managed ground water basins, attach groundwater mgmt plan..... _____
- 6. For participation in groundwater banking, attach water banking mgmt plan..... _____

C. Other Water Supplies

- 1. Long term water supplies not described above (see table 1)..... _____

D. Source Water Quality Monitoring Practices

- 1. Potable Water Quality - attach current Water Quality Rpt (Urban only)..... _____

E. Water Uses Within the District

- 1. Urban use by customer type in current year..... _____
- 2. Urban wastewater collection & treatment systems _____
- 3. Groundwater recharge/management/banking _____
- 4. Transfers and exchanges into or out of the service area..... _____
- 5. Trades, wheeling, wet/dry exchanges or other transactions _____
- 6. Any other uses of water..... _____

F. Water Accounting (Authority)

- 1. Table 1, Surface Water Supply..... _____
- 2. Table 2, Ground Water Supply _____
- 3. Table 3, Total Water Supply..... _____
- 4. Table 4, Distribution System Losses..... _____
- 5. Table 5, District Water Budget _____
- 6. Table 6, Annual Water Quantities Delivered Under Each Right or Contract..... _____

Section IV: Best Management Practices for Urban Contractors

A. BMP Compliance Methodology..... _____

B. Foundational BMPs _____

- 1. Utilities Operations _____
 - a. Operations Practices..... _____
 - b. Water Loss Control _____
 - c. Metering..... _____
 - d. Retail Conservation Prices..... _____

DRAFT

- 2. Education Programs..... _____
 - a. Public Information Programs..... _____
 - b. School Education Programs..... _____

C. Programmatic BMPs

- 1. Residential..... _____
- 2. CII..... _____
- 3. Landscape _____

D. Provide a 5 -Year Budget for Implementing BMPs _____

E. Attachments

- 1. Attachment A, District Maps..... _____
- 2. Attachment B, District Rules and Regulations..... _____
- 3. Attachment C, Measurement Device Documentation..... _____
- 4. Attachment D, District Sample Bills _____
- 5. Attachment E, District Water Shortage Plan..... _____
- 6. Attachment F, Groundwater Management Plan (if applicable)..... _____
- 7. Attachment G, Groundwater Banking Plan (if applicable)..... _____
- 8. Attachment H, Annual Potable Water Quality Report – Urban _____
- 9. Attachment I, Notices of District Education Programs Available to _____
Customers
- 10. Attachment J, Water Order Form (if applicable)..... _____
- 11. Attachment K, District Soils Map (Ag Only)..... _____
- 12. Attachment L, Drainage Problem Report (if applicable)..... _____
- 13. Attachment M, Other..... _____

WaterShare Website

<https://www.usbr.gov/mp/watershare/index.html>

Currently

Water management at work

- [WaterSMART Grant Program Website](#)
- [2017 Standard Criteria and Planner](#) (PDF - 2.5 MB)
For questions please contact Angela Anderson at (916) 978-5215 (TTY 800-877-8339).
- Draft 2020 Standard Criteria
 - Public comments will be accepted through March 25, 2020.
 - To receive a copy of the Draft 2020 Standard Criteria, please contact Angela Anderson at (916) 978-5215 or AAnderson@usbr.gov.
- [CalFed Solution Area](#)

Future, for now

Water management at work

- [WaterSMART Grant Program Website](#)
- [2017 Standard Criteria and Planner](#) (PDF - 2.5 MB)
- [2020 Standard Criteria](#)
- [The 2020 Standard Criteria, the 2020 Water Management Planner, and associated documents are available to download:](#)

[2020 Water Management Planner](#)
[Plan Format Template](#)
[Plan Review Form](#)
[Ag Annual Reporting Tool](#)
[Urban BMP Annual Update Form](#)
[Urban Water Management Plan Crosswalk Table](#)
[2020 Ag Tables](#)
[2020 Urban Tables](#)
[2020 Combined Tables](#)

• For questions please contact [David T. White at \(916\) 978-5208](#) ~~[Angela Anderson at \(916\) 978-5215](#)~~ (TTY 800-877-8339).

- ~~[Draft 2020 Standard Criteria](#)~~
 - ~~Public comments will be accepted through March 25, 2020.~~
 - ~~To receive a copy of the Draft 2020 Standard Criteria, please contact Angela Anderson at (916) 978-5215 or AAnderson@usbr.gov.~~
- [CalFed Solution Area](#)