UWMP Standardized Tables

Bakersfield District

2015 Urban Water Management Plan Appendix H



Table 2-1 Retail Only: Public Water Systems									
Public Water System Number	Public Water System Name	Number of Municipal Connections 2015	Volume of Water Supplied 2015						
1510003	Bakersfield	62,654	48,680						
1510055 North Garden		6,962	6,353						
	TOTAL	69,616	55,033						

Table 2-2:	able 2-2: Plan Identification									
Select Only One		Type of Plan	Name of RUWMP or Regional Alliance if applicable drop down list							
V	Individual l	JWMP								
		Water Supplier is also a member of a RUWMP								
	V	Water Supplier is also a member of a Regional Alliance	Other							
	Regional U	rban Water Management Plan (RUWMP)								

Table 2-3: Agency Identification							
Type of Ag	gency (select one or both)						
	☐ Agency is a wholesaler						
7	☐ Agency is a retailer						
Fiscal or Calendar Year (select one)							
7	UWMP Tables Are in Calendar Years						
	UWMP Tables Are in Fiscal Years						
If Using F	iscal Years Provide Month and Date that the Fiscal Year Begins (mm/dd)						
Units of M	Units of Measure Used in UWMP (select from Drop down)						
Unit	AF						

Table 2-4 Retail: Water Supplier Information Exchange

The retail supplier has informed the following wholesale supplier(s) of projected water use in accordance with CWC 10631.

Wholesale Water Supplier Name (Add additional rows as needed)

Kern County Water Agency

Kern Delta Water District

City of Bakersfield

Table 3-1 Retail: Population - Current and Projected										
Population	2015	2020	2025	2030	2035	2040(opt)				
Served	278,488	293,152	308,590	324,845	341,959	359,979				

Use Type (Add additional rows as needed)	2015 Actual				
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool	Additional Description (as needed)	Level of Treatment When Delivered Drop down list	Volume		
Single Family		Drinking Water	32,688		
Multi-Family		Drinking Water	3,368		
Commercial		Drinking Water	10,104		
Industrial		Drinking Water	57		
Institutional/Governmental		Drinking Water	4,216		
Other		Drinking Water	196		
Losses		Drinking Water	4,403		
		TOTAL	55,033		

Table 4-2 Retail: Demands for Potable and Raw Water - Projected									
Use Type (Add additional rows as needed)	Additional Description (as needed)	Projected Water Use Report To the Extent that Records are Available							
<u>Drop down list</u> May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool		2020	2025	2030	2035	2040-opt			
Single Family		49,340	52,107	54,974	57,547	60,273			
Multi-Family		3,748	3,859	4,020	4,166	4,334			
Commercial		11,976	12,209	12,486	12,651	12,825			
Industrial		49	50	50	50	50			
Institutional/Governmental		6,690	7,281	7,898	8,492	9,130			
Other		216	219	221	221	221			
Losses		5,763	6,153	6,543	6,892	7,257			
	TOTAL	77,781	81,878	86,191	90,019	94,088			

Table 4-3 Retail: Total Water Demands								
	2015	2020	2025	2030	2035	2040 (opt)		
Potable and Raw Water From Tables 4-1 and 4-2	55,033	77,781	81,878	86,191	90,019	94,088		
Recycled Water Demand* From Table 6-4	0	0	0	0	0	0		
TOTAL WATER DEMAND	55,033	77,781	81,878	86,191	90,019	94,088		
*Recycled water demand fields will be blank until Table 6-4 is complete.								

Table 4-4 Retail: 12 Month Water Loss Audit Reporting							
Reporting Period Start Date (mm/yyyy) Volume of Water Loss*							
01/2014	10,026						
* Taken from the field "Mater Lesses" /	a combination of apparent						

^{*} Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.

Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) Drop down list (y/n)	Yes
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc utilized in demand projections are found.	Location in UWMP: Section 4.4 of Chapter 4
Are Lower Income Residential Demands Included In Projections? Drop down list (y/n)	Yes

Table 5-1 Baselines and Targets SummaryRetail Agency or Regional Alliance Only										
Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*					
10-15 year	1995	2004	296	266	237					
5 Year	2003	2007	294							
*All values	*All values are in Gallons per Capita per Day (GPCD)									

	Table 5-2: 2015 Compliance Retail Agency or Regional Alliance Only									
	Actual L5 GPCD*	2015 Interim Target GPCD*	Optional Adjust "0" for adjust Extraordinary Events*	tments to 2015 tments not used Economic Adjustment*		TOTAL Adjustments*	Enter From Adjusted 2015 GPCD*	2015 GPCD*	Did Supplier Achieve Targeted Reduction for 2015? Y/N	
	176	266	0	0	0	0	176	176	Yes	
*All	l values ar	e in Gallons p	per Capita per Do	ry (GPCD)						

	Supplier does not pump groundwater. The supplier will not complete the table below.							
Groundwater Type Drop Down List May use each category multiple times	Location or Basin Name	2011	2012	2013	2014	2015		
Add additional rows as needed	I							
Alluvial Basin	San Joaquin Valley Basin	41,835	45,709	41,157	45,495	33,388		
	TOTAL	41,835	45,709	41,157	45,495	33,388		

Table 6-2 Retail: V	Vastewater Collected	Within Service Area	in 2015			
	There is no wastewate	r collection system. Th	ne supplier will not comple	ete the table belov	v.	
	Percentage of 2015 se	rvice area covered by v	vastewater collection syst	em <i>(optional)</i>		
	Percentage of 2015 se	rvice area population c	overed by wastewater col	lection system (or	otional)	
	Wastewater Collection	n		Recipient of Coll	ected Wastewater	
Name of Wastewater Collection Agency	Wastewater Volume Metered or Estimated? Drop Down List	Volume of Wastewater Collected from UWMP Service Area 2015	Name of Wastewater Treatment Agency Receiving Collected Wastewater	Treatment Plant Name	Is WWTP Located Within UWMP Area? Drop Down List	Is WWTP Operation Contracted to a Third Party? (optional) Drop Down List
Add additional rows as	needed					
City of Bakersfield	Estimated	13,463	City of Bakersfield	Treatment Plant No.2	No	
City of Bakersfield	Estimated	8,713	City of Bakersfield	Treatment Plant No.3	No	
Kern Sanitation Authority	Estimated	3,409	Kern Sanitation Authority	KSA Treatment Plant	No	
North of River Sanitation District	Estimated	3,555	North of River Sanitation District	NRSD Treatment Plant	No	
Total Wastewater Collected from Service Area in 2015:		29,140				

√		er is treated or work will not complet		hin the UWMP ow.	service area.					
					Does This Plant			2015 vo	lumes	
Wastewater Treatment Plant Name	Discharge Location Name or Identifier	Discharge Location Description	Wastewater Discharge ID Number (optional)	Method of Disposal Drop down list	Treat Wastewater Generated Outside the Service Area?	Treatment Level Drop down list	Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area	Recycled Outside of Service Area
Add additional ro	ows as needed									
						Total	0	0	0	0

Table 6-4 Reta	ail: Current and Projected Recyc	cled Water Direct Beneficial Uses Wi	thin Service Area						
	Recycled water is not used and is r	not planned for use within the service ar	ea of the supplier.						
	The supplier will not complete the	table below.							
Name of Agenc	y Producing (Treating) the Recycle	d Water:							
Name of Agenc	y Operating the Recycled Water Di	stribution System:							
Supplemental \	Water Added in 2015								
Source of 2015	Supplemental Water								
	Beneficial Use Type	General Description of 2015 Uses	Level of Treatment Drop down list	2015	2020	2025	2030	2035	2040 (opt)
Agricultural irri	gation								
Landscape irrig	ation (excludes golf courses)								
Golf course irri	gation								
Commercial us	e								
Industrial use									
Geothermal an	d other energy production								
Seawater intrus	sion barrier								
Recreational in	npoundment								
Wetlands or wi	Idlife habitat								
Groundwater re	echarge (IPR)*								
Surface water augmentation (IPR)*									
Direct potable reuse									
Other	Type of Use								
			Total:	0	0	0	0	0	0
*IPR - Indirect Po	otable Reuse								

Table 6-5 Retail: 2010 UW	Table 6-5 Retail: 2010 UWMP Recycled Water Use Projection Compared to 2015 Actual							
 ✓		ot used in 2010 nor projected for use complete the table below.	e in 2015.					
Use Typ	oe Oe	2010 Projection for 2015	2015 Actual Use					
Agricultural irrigation								
Landscape irrigation (exclude	es golf courses)							
Golf course irrigation								
Commercial use								
Industrial use								
Geothermal and other energ	y production							
Seawater intrusion barrier								
Recreational impoundment								
Wetlands or wildlife habitat								
Groundwater recharge (IPR)								
Surface water augmentation	(IPR)							
Direct potable reuse								
Other	Type of Use							
	Total	0	0					

Table 6-6 Retail: Methods to Expand Future Recycled Water Use								
_	Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation.							
64	Provide page location of narrative in UWMP							
Name of Action	Description	Planned Implementation Year	Expected Increase in Recycled Water Use					
Add additional rows as nee	ded							
	Total							

Table 6-7 Retail: Exp	ected Future Water	r Supply Projects	or Programs							
		lo expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. upplier will not complete the table below.								
	Some or all of the sup in a narrative format	ne or all of the supplier's future water supply projects or programs are not compatible with this table and are described narrative format.								
	Provide page location	n of narrative in the	UWMP							
Name of Future Projects or Programs	Joint Project with	other agencies?	Description (if needed)	Planned Implementation Year	Planned for Use in Year Type Drop Down List	Expected Increase in Water Supply to Agency				
	Drop Down List (y/n)	If Yes, Agency Name			, 	This may be a range				
Add additional rows as n	eeded									
Water Treatment Plant expansion	Yes	City of Bakersfield	Increase WTP base load capacity	2030	Average Year	22,400				
Water Treatment Plant Phase 2	Yes	City of Bakersfield	Increase WTP base load capacity	2025	Average Year	22,400				
NOTES 5			dad traatment plant canac	20						

NOTES: Expected increases in water supply assume that the added treatment plant capacities are fully utilized year-round. Thus, they represent upper bounds on the actual incremental supply volumes.

Table 6-8 Retail: Water Supplies — Actual									
Water Supply		2015							
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool	Additional Detail on Water Supply	Actual Volume	Water Quality Drop Down List	Total Right or Safe Yield (optional)					
Add additional rows as needed									
Purchased or Imported Water		12,496	Drinking Water						
Groundwater		33,388	Drinking Water						
Surface water	Northeast Bakersfield WTP	8,027	Drinking Water						
Surface water	North Garden WTP	1,122	Drinking Water						
	Total	55,033		0					

Water Supply		Projected Water Supply Report To the Extent Practicable									
Drop down list May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool	Additional Detail on	2020		2025		2030		2035		2040 (opt)	
	Water Supply	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)	Reasonably Available Volume	Total Right or Safe Yield (optional)
Add additional rows as needed											
Purchased or Imported Water	Purchased Water	20,500		20,500		20,500		20,500		20,500	
Groundwater	Groundwater	27,598		6,491		10,804		14,632		18,701	
Surface water	Northeast Bakersfield WTP	16,802		33,604		33,604		33,604		33,604	
Surface water	North Garden WTP	4,481		4,481		4,481		4,481		4,481	
Surface water	Southwest Bakersfield Water Treatment Plant	8,401		16,802		16,802		16,802		16,802	
	Total	77,781		81,878		86,191		90,019		94,088	

Table 7-1 Retail: Basis of Water Year Data								
		Available Supplies if Year Type Repeats						
Year Type	Base Year If not using a calendar year, type in the last year of the fiscal or water year, for example, water year 1999-2000, use 2000	<u> </u>	elsewhere in the UWMP. Location Quantification of available supplies is provide					
		'	Volume Available	% of Average Supply				
Average Year	1914		94,088	100%				
Single-Dry Year	1947		96,722					
Multiple-Dry Years 1st Year	2007		96,429					
Multiple-Dry Years 2nd Year	2008		96,422					
Multiple-Dry Years 3rd Year	2009		95,207					
Multiple-Dry Years 4th Year Optional								
Multiple-Dry Years 5th Year Optional								
Multiple-Dry Years 6th Year Optional								

Agency may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If an agency uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table.

NOTES: Available volumes are the maximum volumes across all forecast years in Tables 7-2, 7-3, and 7-4.

Table 7-2 Retail: Normal Year Supply and Demand Comparison									
2020 2025 2030 2035 2040 (Opt									
Supply totals (autofill from Table 6-9)	77,781	81,878	86,191	90,019	94,088				
Demand totals (autofill from Table 4-3)	77,781	81,878	86,191	90,019	94,088				
Difference	0	0	0	0	0				

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison									
2020 2025 2030 2035 2040 (Opt)									
Supply totals	79,958	84,169	88,603	92,538	96,722				
Demand totals	79,958	84,169	88,603	92,538	96,722				
Difference	0	0	0	0	0				

Table 7-4 Reta	ail: Multiple Dry Ye	ars Supply	and Dem	and Comp	arison	
		2020	2025	2030	2035	2040 (Opt)
	Supply totals	79,717	83,915	88,335	92,259	96,429
First year	Demand totals	79,717	83,915	88,335	92,259	96,429
	Difference	0	0	0	0	0
	Supply totals	79,711	83,909	88,329	92,252	96,422
Second year	Demand totals	79,711	83,909	88,329	92,252	96,422
	Difference	0	0	0	0	0
	Supply totals	78,706	82,851	87,215	91,089	95,207
Third year	Demand totals	78,706	82,851	87,215	91,089	95,207
	Difference	0	0	0	0	0
	Supply totals					
Fourth year (optional)	Demand totals					
	Difference	0	0	0	0	0
	Supply totals					
Fifth year (optional)	Demand totals					
	Difference	0	0	0	0	0

Table 8-1 Retail Stages of Water Shortage Contingency Plan			
		Complete Both	
Stage	Percent Supply Reduction ¹ Numerical value as a percent	Water Supply Condition (Narrative description)	
Add additiona	l rows as needed		
	numerical value as percent	narrative description	
1	Up to 10%	Minimal shortage	
2	Up to 20%	Moderate shortage	
3	Up to 35%	Severe shortage	
4	Greater than 35%	Critical shortage	

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses				
Stage	Restrictions and Prohibitions on End Users Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement? Drop Down List	
Add additional	rows as needed			
1	Landscape - Limit landscape irrigation to specific days	Limited to no more than 3	Yes	
1	Landscape - Limit landscape irrigation to specific times	Limited to 8 am and 6pm	Yes	
1	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Must be repaired within 5	Yes	
1	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes	
1	Landscape - Other landscape restriction or prohibition	Prohibit application of po	Yes	
1	Other - Require automatic shut off hoses		Yes	
1	Other - Prohibit use of potable water for washing hard surfaces		Yes	
1	Other	Limits filling ornamental I	Yes	
2	Landscape - Limit landscape irrigation to specific days	Limited to no more than :	Yes	
2	Landscape - Limit landscape irrigation to specific times	Limited to 8 am and 6pm	Yes	
2	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Must be repaired within 3	Yes	
2	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes	

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses			
Stage	Restrictions and Prohibitions on End Users Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement? Drop Down List
2	Landscape - Other landscape restriction or prohibition	Prohibits irrigation of orn	Yes
2	CII - Lodging establishment must offer opt out of linen service		Yes
2	CII - Restaurants may only serve water upon request		Yes
2	Other - Require automatic shut off hoses		Yes
2	Other - Prohibit use of potable water for washing hard surfaces		Yes
2	Other	Limits filling ornamental I	Yes
3	Landscape - Limit landscape irrigation to specific days	Limited to no more than 2	Yes
3	Landscape - Limit landscape irrigation to specific times	Limited to 8 am and 6pm	Yes
3	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Must be repaired within 2	Yes
3	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
3	Landscape - Other landscape restriction or prohibition	Prohibits irrigation of orn	Yes
3	CII - Lodging establishment must offer opt out of linen service		Yes
3	CII - Restaurants may only serve water upon request		Yes
3	Other - Require automatic shut off hoses		Yes
3	Other - Prohibit use of potable water for washing hard surfaces	Prohibits use of potable v	Yes
3	Other	Limits filling ornamental I	Yes

Table 8-2 Retail Only: Restrictions and Prohibitions on End Uses			
Stage	Restrictions and Prohibitions on End Users Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool	Additional Explanation or Reference (optional)	Penalty, Charge, or Other Enforcement? Drop Down List
3	Other - Prohibit use of potable water for construction and dust control	Prohibited unless no othe	Yes
4	Landscape - Prohibit all landscape irrigation	Prohibited except with ha	Yes
4	Other - Customers must repair leaks, breaks, and malfunctions in a timely manner	Must be repaired within 1	Yes
4	Landscape - Restrict or prohibit runoff from landscape irrigation		Yes
4	CII - Lodging establishment must offer opt out of linen service		Yes
4	CII - Restaurants may only serve water upon request		Yes
4	Other - Require automatic shut off hoses		Yes
4	Other - Prohibit use of potable water for washing hard surfaces	Prohibits use of potable v	Yes
4	Other	Limits filling ornamental I	Yes
4	Other - Prohibit use of potable water for construction and dust control	No exceptions	Yes

Table 8-3 Retail Only: Stages of Water Shortage Contingency Plan - Consumption Reduction Methods				
Stage	Consumption Reduction Methods by Water Supplier Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool	Additional Explanation or Reference (optional)		
Add additional r	ows as needed			
2	Expand Public Information Campaign			
2	Offer Water Use Surveys	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
2	Provide Rebates or Giveaways of Plumbing Fixtures and Devices	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
2	Provide Rebates for Landscape Irrigation Efficiency	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
2	Decrease Line Flushing			
2	Reduce System Water Loss			
2	Increase Water Waste Patrols			
2	Other	Mandatory water budgets and banking Water budgets will be based on a customer's consumption during a historical base period and will include a percentage reduction designed to meet necessary water-use reductions.		

Table 8-3 Retail Only: Stages of Water Shortage Contingency Plan - Consumption Reduction Methods				
Stage	Consumption Reduction Methods by Water Supplier Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool	Additional Explanation or Reference (optional)		
2	Implement or Modify Drought Rate Structure or Surcharge	Drought surcharges charged to customers for each unit of water used over the established water budget for the billing period. For Stage 2 surcharges are two times the highest residential tier rate, with exceptions discussed in Section 8.3		
3	Expand Public Information Campaign			
3	Offer Water Use Surveys	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
3	Provide Rebates or Giveaways of Plumbing Fixtures and Devices	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
3	Provide Rebates for Landscape Irrigation Efficiency	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
3	Decrease Line Flushing			
3	Reduce System Water Loss			
3	Increase Water Waste Patrols			
3	Other	Mandatory water budgets and banking		
3	Implement or Modify Drought Rate Structure or Surcharge	Drought surcharges charged to customers for each unit of water used over the established		
4	Expand Public Information Campaign			

Table 8-3 Retail Only: Stages of Water Shortage Contingency Plan - Consumption Reduction Methods				
Stage	Consumption Reduction Methods by Water Supplier Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool	Additional Explanation or Reference (optional)		
4	Offer Water Use Surveys	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
4	Provide Rebates or Giveaways of Plumbing Fixtures and Devices	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
4	Provide Rebates for Landscape Irrigation Efficiency	Offered as part of standard conservation program. Will expand as needed to achieve additional savings.		
4	Decrease Line Flushing			
4	Reduce System Water Loss			
4	Increase Water Waste Patrols			
4	Other	Mandatory water budgets and banking		
4	Other	Mandatory water budgets and banking		
4	Implement or Modify Drought Rate Structure or Surcharge	Drought surcharges charged to customers for each unit of water used over the established water budget for the billing period.		
NOTES: The actions included may be implemented through a combination of Rule 14.1 and Schedule 14.1				

Table 8-4 Retail: Minimum Supply Next Three Years			
	2016	2017	2018
Available Water Supply	79,717	79,711	78,706

Table 10-1 Retail: Notification to Cities and Counties					
City Name	60 Day Notice	Notice of Public Hearing			
Α	Add additional rows as needed				
City of Bakersfield	V	V			
County Name Drop Down List	60 Day Notice	Notice of Public Hearing			
Add additional rows as needed					
Kern County	7	V			