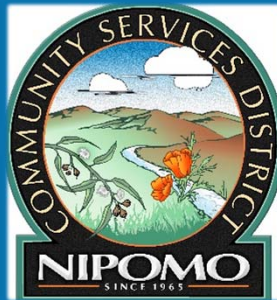


Public Hearing

Nipomo Community Services District 2015 Urban Water Management Plan Update

May 25, 2016



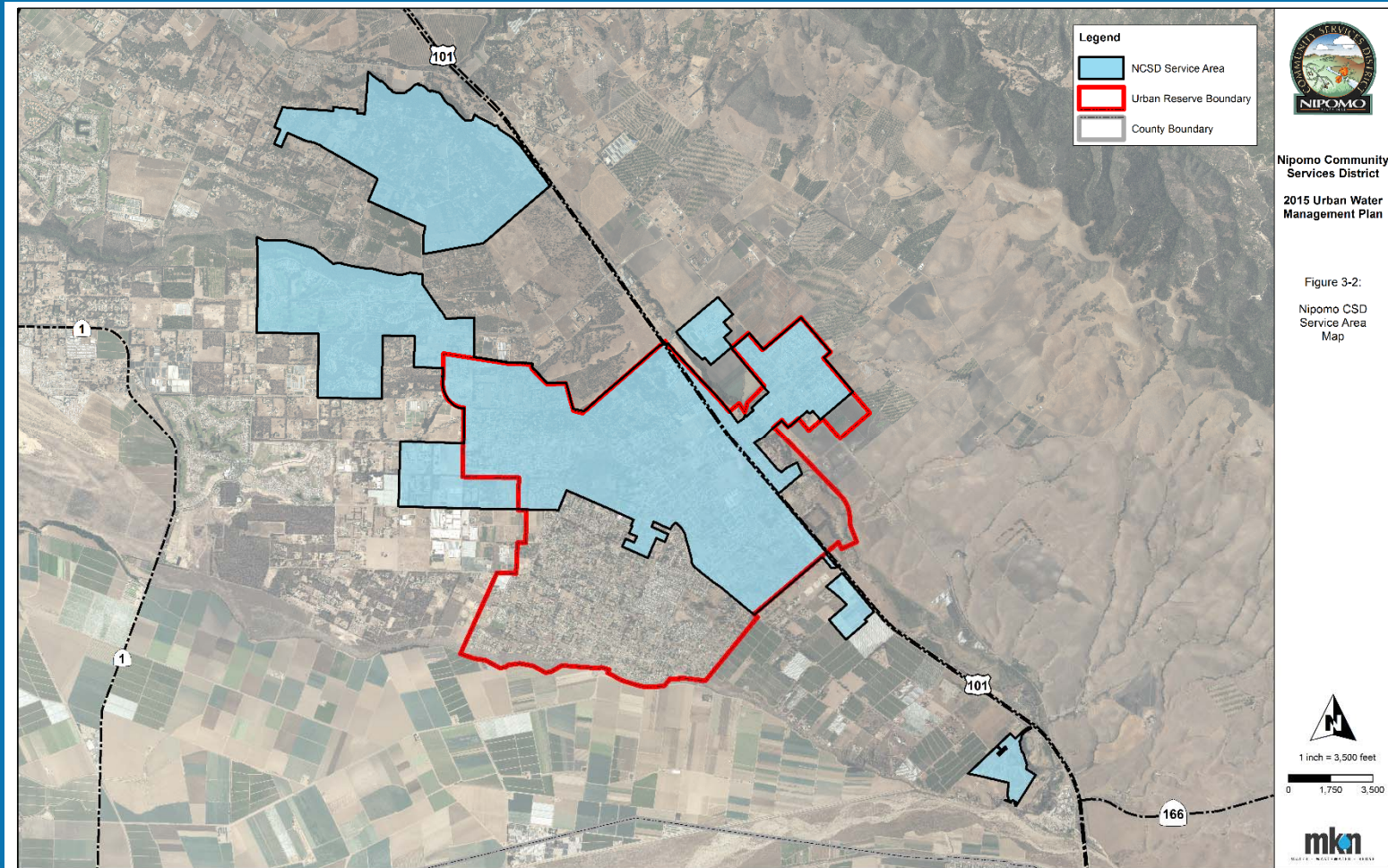
AGENDA

- 1** Introduction
 - 2** Objectives of UWMP Update
 - 3** Schedule
 - 4** Existing Demands and Water Use Reduction by 2020 (SB X7-7)
 - 5** Future Demands
 - 6** Future Supply
-

Objectives of UWMP Update

1. Meet a statutory requirement of the California Water Code
2. Provide source of information for Water Supply Assessments and Written Verifications of Water Supply required by SB 610 and SB 221
3. Support regional long-range planning documents
4. Provide a standardized methodology for water utilities to assess their water resource needs and availability
5. Serve as a critical component of developing Integrated Regional Water Management Plans

Service Area



UWMP Development Schedule

Schedule		Dates	
NCSD Board Meeting #1 for presentation of Public Draft UWMP		May 25, 2016	
NCSD Board Meeting #2 for Adoption of UWMP		June 8, 2016	
Final Publishing/Posting to State		July 1, 2016	

Population – Current and Projected

Table 3-1 Retail: Population - Current and Projected						
Population Served	2015	2020	2025	2030	2035	2040
	12,886	13,172	13,721	14,399	15,104	15,827
NOTES: Population estimates based on San Luis Obispo Council of Governments (SLOCOG) final report: San Luis Obispo County 2040 Population, Housing & Employment Forecast						

Current Water Demands by Type

Table 4-1 Retail: Demands for Potable and Raw Water - Actual

Use Type	2015 Actual	
	Level of Treatment When Delivered	Volume (AF)
Single Family	Drinking Water	1,312
Multi-Family	Drinking Water	151
Commercial	Drinking Water	85
Landscape	Drinking Water	238
Other	Drinking Water	7
Agricultural irrigation	Drinking Water	17
TOTAL		1,810

Historical Groundwater Pumping

Table 6-1 Retail: Groundwater Volume Pumped

Groundwater Type	Location or Basin Name	2011	2012	2013	2014	2015
Alluvial Basin	Santa Maria Groundwater Basin	2,488	2,473	2,646	2,310	1,626
TOTAL (AF)		2,488	2,473	2,646	2,310	1,626
NOTES: In 2015 NCSD received 322 AF of supplemental water from the City of Santa Maria						

SB X7-7 Baseline and Target Conditions

Table 5-1 Baselines and Targets Summary

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1999	2008	232	208	184
5 Year	2004	2008	224		
*All values are in Gallons per Capita per Day (GPCD)					

SB X7-7 2015 Compliance

Table 5-2: 2015 Compliance

Actual 2015 GPCD	2015 Interim Target GPCD	2015 GPCD	Did Supplier Achieve Targeted Reduction for 2015? Y/N
134	208	134	Yes
<i>*All values are in Gallons per Capita per Day (GPCD)</i>			

Future Water Demands by Type

Table 4-2 Retail: Demands for Potable and Raw Water - Projected

Projected Water Use (AF)					
	2020	2025	2030	2035	2040
Single Family	2,047	2,133	2,238	2,347	2,460
Multi-Family	191	199	209	219	230
Commercial	109	114	119	125	131
Landscape	328	341	358	376	394
Other	38	40	42	44	46
Agricultural irrigation	16	17	18	19	20
Sales/ Transfers/ Exchanges to other agencies	333	833	833	833	833
TOTAL	3,063	3,676	3,817	3,963	4,113

Future Water Demands within Service Area

Table 4-3 Retail: Total Water Demands

	2015		2020	2025	2030	2035	2040
Potable and Raw Water	1,810*	2,656**	3,063	3,676	3,817	3,963	4,113
Recycled Water Demand	50	50	50	50	50	50	50
TOTAL WATER DEMAND (AF)	1,860	3,052	3,113	3,726	3,867	4,013	4,163

*Actual 2015 water usage with mandatory water conservation.

**Projected water demand without mandatory water conservation.

Projected Supplies and Availability

Table 6-9 Retail: Water Supplies — Projected

Water Supply	Projected Water Supply									
	2020		2025		2030		2035		2040	
	Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield	Reasonably Available Volume	Total Right or Safe Yield
Groundwater	2,113		1,226		867		1,013		1,163	
Purchased or Imported Water	1,000		2,500		3,000		3,000		3,000	
Total (AF)	3,113		3,726		3,867		4,013		4,163	

Basis of Supply Availability

Table 7-1 Retail: Basis of Water Year Data

Year Type	Base Year	Available Supplies if Year Type Repeats	
		Agency may provide volume only, percent only, or both	
		Demand	% of Average Supply
Average Year	2012	2,473	100%
Single-Dry Year	2014	2,310	100%
Multiple-Dry Years 1st Year	2012	2,473	100%
Multiple-Dry Years 2nd Year	2013	2,646	100%
Multiple-Dry Years 3rd Year	2014	2,310	100%

Projected Supply Availability during Normal and Dry Years

Table 7-2 Retail: Normal Year Supply and Demand Comparison

	2020	2025	2030	2035	2040
Supply totals	3,113	3,726	3,867	4,013	4,163
Demand totals	3,113	3,726	3,867	4,013	4,163
Difference	0	0	0	0	0

Table 7-3 Retail: Single Dry Year Supply and Demand Comparison

	2020	2025	2030	2035	2040
Supply totals	3,113	3,726	3,867	4,013	4,163
Demand totals	3,113	3,726	3,867	4,013	4,163
Difference	0	0	0	0	0

Projected Supply Availability next 3 Years

Table 8-4 Retail: Minimum Supply Next Three Years

	2016	2017	2018
Projected Available Water Supply (based on population increase and SB X7-7 184 GPCD)	2,715	2,775	2,837
Projected Available Water Supply assuming 30% reduction	1,900	1,943	1,986
Water Supply to GSWC and WMWC	215	267	267

Water Shortage Contingency Plan

Table 8-1 Stages of Water Shortage Contingency Plan

Stage	Complete Both	
	Percent Supply Reduction*	Water Supply Condition
I	0%	Always in place.
II	20%	Potentially Severe Water Shortage Condition declaration pursuant to NMMA Water Shortage Condition and Response Plan.
III	30%	Severe Water Shortage Condition declaration pursuant to NMMA Water Shortage Condition and Response Plan.
IV	50%	Severe Water Shortage Condition declaration pursuant to NMMA Water Shortage Condition and Response Plan, lasting more than 1 year from the initial declaration; or Severe Water Shortage declaration pursuant to NMMA declaration triggered by both the Key Well Index and the Coastal Area Criterion
V	60%	Severe Water Shortage Condition declaration pursuant to NMMA Water Shortage Condition and Response Plan, lasting more than 2 years from the initial declaration, based on both the Key Well Index and Coastal Area Criterion.
*One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.		
NOTES: Based on NMMA Water Shortage Response Stages Endorsed by NMMA Technical Group April 14, 2014		

Questions and Discussion