



Technical Addendum to The State Water Project Delivery Reliability Report 2011

June 2012

State of California
Natural Resources Agency
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Table of Contents

List of Tables.....	ii
List of Figures	ii
Updates to Model Input Data	1
Article 21 Demands.....	1
Existing Conditions	1
Future Conditions	1
Table A Amounts and Article 56 Carryover	3
Existing Conditions	3
Future Conditions	3
Updates in Model Assumptions.....	8
Overview of Model Assumptions.....	8
Changes to Existing Conditions Scenario	8
Changes to Future Conditions Scenario	8
Simulation Results for Existing Conditions	9
SWP Table A Deliveries	9
Article 21 Deliveries	13
SWP Exports from the Sacramento-San Joaquin Delta.....	16
Simulation Results for Future Conditions	18
SWP Table A Deliveries	18
Article 21 Deliveries	22
SWP Exports from the Sacramento-San Joaquin Delta.....	29
Individual Contractor Table A Deliveries – Existing Conditions	36
Individual Contractor Table A Deliveries – Future Conditions	91

List of Tables

Table 1. 2009 DRR Article 21 Demands for Normal Years	1
Table 2. 2009 DRR Article 21 Demands in Kern Wet Years	2
Table 3. Revised Assumptions for Article 21 Demands in Normal Years	2
Table 4. Revised Assumptions for Article 21 Demands in Kern Wet Years	3
Table 5. 2009 DRR Existing Conditions Article 56 Carryover	4
Table 6. Revised Article 56 Carryover for Existing Conditions	5
Table 7. 2009 DRR Future Conditions Article 56 Carryover	6
Table 8. Revised Article 56 Carryover for Future Conditions	7
Table 9. SWP Table A Deliveries for Existing Conditions	11
Table 10. Article 21 Deliveries for Existing Conditions	14
Table 11. SWP Exports for Existing Conditions	16
Table 12. SWP Table A Deliveries for Future Conditions	20
Table 13. Article 21 Deliveries for Future Conditions without Climate Change	23
Table 14. Article 21 Deliveries for Future Conditions with 2050 Climate Change	25
Table 15. Article 21 Deliveries for Future Conditions Interpolated to 2031 Climate Change	27
Table 16. SWP Exports for Future Conditions without Climate Change	30
Table 17. SWP Exports for Future Conditions with 2050 Climate Change	32
Table 18. SWP Exports for Future Conditions Interpolated to 2031 Climate Change	34

List of Figures

Figure 1. Comparison of SWP Table A Delivery Probability for Existing Conditions	10
Figure 2. Comparison of SWP Table A Delivery Probability for Future Conditions	19

Updates to Model Input Data

Article 21 Demands

Existing Conditions

The Article 21 demands used in the 2009 SWP Delivery Reliability Report (DRR) are shown in Tables 1 and 2. Table 1 shows the demand patterns that were assumed during normal hydrology conditions and Table 2 shows the patterns that were used during Kern wet years. A Kern wet year is defined as a year when the annual Kern River flow is greater than 1,500 TAF. There are nine Kern wet years in the simulation period of 1922 – 2003 (1941, 1952, 1969, 1978, 1980, 1983, 1986, 1995, and 1998).

Tables 3 and 4 show the revised Article 21 demands used in the 2011 DRR studies for normal and Kern wet years. These assumptions have changed between the 2009 DRR and the 2011 DRR:

1. Only those contractors drawing out of the North Bay Aqueduct will have Article 21 demands in months outside of the November through June period.
2. Contractors drawing out of the North Bay Aqueduct will have Article 21 demands in both normal years and Kern wet years.

Future Conditions

The Article 21 demands used in the 2011 DRR Future Condition scenarios are the same as those developed for the Existing Conditions study.

Table 1. 2009 DRR Article 21 Demands for Normal Years¹

Month	Kern County Water Agency Ag (TAF)	Other Ag (TAF)	Metropolitan Water District M&I (TAF)	North Bay Aqueduct M&I (TAF)	Other M&I (TAF)	Total (TAF)
Oct	180	18	0	2	14	214
Nov	180	18	0	2	14	214
Dec	180	18	200	2	14	414
Jan	180	18	200	2	14	414
Feb	180	18	200	2	14	414
Mar	180	18	200	2	14	414
Apr	180	18	0	2	14	214
May	180	18	0	2	14	214
Jun	180	18	0	2	14	214
Jul	180	18	0	2	14	214
Aug	180	18	0	2	14	214
Sep	180	18	0	2	14	214

1. Values shown are the maximum amount that can be taken monthly. However, the actual capability of SWP water contractors to take this amount of Article 21 is not the sum of these maximum monthly values.

Table 2. 2009 DRR Article 21 Demands in Kern Wet Years¹

Month	Kern County Water Agency Ag (TAF)	Other Ag (TAF)	Metropolitan Water District M&I (TAF)	North Bay Aqueduct M&I (TAF)	Other M&I (TAF)	Total (TAF)
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	0	200	0	0	200
Jan	0	0	200	0	0	200
Feb	0	0	200	0	0	200
Mar	0	0	200	0	0	200
Apr	0	0	0	0	0	0
May	0	0	0	0	0	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0

1. Values shown are the maximum amount that can be taken monthly. However, the actual capability of SWP water contractors to take this amount of Article 21 is not the sum of these maximum monthly values.

Table 3. Revised Assumptions for Article 21 Demands in Normal Years¹

Month	Kern County Water Agency Ag (TAF)	Other Ag (TAF)	Metropolitan Water District M&I (TAF)	North Bay Aqueduct M&I (TAF)	Other M&I (TAF)	Total (TAF)
Oct	0	0	0	2	0	2
Nov	180	18	0	2	14	214
Dec	180	18	200	2	14	414
Jan	180	18	200	2	14	414
Feb	180	18	200	2	14	414
Mar	180	18	200	2	14	414
Apr	180	18	0	2	14	214
May	180	18	0	2	14	214
Jun	180	18	0	2	14	214
Jul	0	0	0	2	0	2
Aug	0	0	0	2	0	2
Sep	0	0	0	2	0	2

1. Values shown are the maximum amount that can be taken monthly. However, the actual capability of SWP water contractors to take this amount of Article 21 is not the sum of these maximum monthly values.

Table 4. Revised Assumptions for Article 21 Demands in Kern Wet Years¹

Month	Kern County Water Agency Ag (TAF)	Other Ag (TAF)	Metropolitan Water District M&I (TAF)	North Bay Aqueduct M&I (TAF)	Other M&I (TAF)	Total (TAF)
Oct	0	0	0	2	0	2
Nov	0	0	0	2	0	2
Dec	0	0	200	2	0	202
Jan	0	0	200	2	0	202
Feb	0	0	200	2	0	202
Mar	0	0	200	2	0	202
Apr	0	0	0	2	0	2
May	0	0	0	2	0	2
Jun	0	0	0	2	0	2
Jul	0	0	0	2	0	2
Aug	0	0	0	2	0	2
Sep	0	0	0	2	0	2

1. Values shown are the maximum amount that can be taken monthly. However, the actual capability of SWP water contractors to take this amount of Article 21 is not the sum of these maximum monthly values.

Table A Amounts and Article 56 Carryover

Existing Conditions

The State Water Contractors’ Article 56 carryover storage used in the 2009 DRR is shown in Table 5 along with their Table A amounts. This table was derived by taking the average of data provided by the State Water Project Analysis Office (SWPAO) for the years 2001 through 2008.

Table 6 shows the revised Article 56 data that is used in the 2011 DRR. This data was taken from SWPAO’s recent initial request data for 2010 and also from input from State Water Contractors. Using this request data better represents the contractor’s recent practices.

Future Conditions

Table 7 shows the Table A and Article 56 amounts that were used in the 2009 DRR Future Condition studies. The Article 56 Carryover amounts used in the 2011 DRR Future Condition scenarios are the same as those used for the 2009 DRR Future Condition scenarios, except for Mojave Water Agency which has recently elected to not use carryover storage under future conditions. The Table A amounts for the 2011 DRR Future Conditions reflect the maximum Table A amounts for the contractors and are listed in Table 8 below.

Table 5. 2009 DRR Existing Conditions Article 56 Carryover

Contractor Name	Table A amount (TAF)	Table A request for given demand level (TAF)			Article 56 request for given demand level (TAF)		
		100%	50%	30%	100%	50%	30%
ALAMEDA COUNTY FC&WCD-ZONE 7	80.62	40.31	12.63	2.75	40.31	27.68	21.44
ALAMEDA COUNTY WD	42.00	38.00	21.00	12.60	4.00		
ANTELOPE VALLEY-EAST KERN WA	141.40	70.70	53.52	33.18	70.70	17.18	9.24
CASTAIC LAKE WA - AG	12.70	12.70	6.35	3.81			
CITY OF YUBA CITY	9.60	4.80	4.15	2.88	4.80	0.65	
COACHELLA VALLEY WD	121.10	60.55	45.41	21.19	60.55	15.14	15.14
COUNTY OF BUTTE	27.50	27.50	13.75	8.25			
COUNTY OF KINGS	9.31	9.31	4.66	2.79			
CRESTLINE-LAKE ARROWHEAD WA	5.80	2.90	2.65	1.74	2.90	0.25	
DESERT WA	50.00	25.00	20.24	12.32	25.00	4.76	2.68
DUDLEY RIDGE WD	57.34	54.84	28.67	17.20	2.50		
EMPIRE WEST SIDE ID	3.00	3.00	1.50	0.90			
KERN COUNTY WA - AG	864.13	815.81	429.41	258.35	48.32	2.66	0.89
LITTLEROCK CREEK ID	2.30	2.30	1.15	0.69			
METROPOLITAN WDSC	1,911.50	1,711.50	955.75	573.45	200.00		
MOJAVE WA	75.80	37.90	10.32	5.15	37.90	27.58	17.59
NAPA COUNTY FC&WCD	23.20	11.60	9.48	6.96	11.60	2.12	
OAK FLAT WD	5.70	5.30	2.85	1.71	0.40		
PALMDALE WD	21.30	14.22	10.40	6.30	7.08	0.25	0.09
SAN BERNARDINO VALLEY MWD	102.60	71.88	36.12	15.60	30.72	15.18	15.18
SAN GABRIEL VALLEY MWD	28.80	28.80	14.40	8.64			
SAN GORGONIO PASS WA	17.30	17.30	8.65	5.19			
SAN LUIS OBISPO COUNTY FC&WCD	25.00	25.00	12.50	7.50			
SANTA BARBARA COUNTY FC&WCD	45.49	30.65	22.75	13.65	14.84		
SANTA CLARA VALLEY WD	100.00	65.44	45.00	28.33	34.56	5.00	1.67
SOLANO COUNTY WA	47.41	23.73	15.28	5.79	23.68	8.43	8.43
TULARE LAKE BASIN WSD	95.92	95.92	47.96	28.78			
VENTURA COUNTY WPD	20.00	20.00	10.00	6.00			
KERN COUNTY WA - MI	134.60	134.60	67.30	40.38			
CASTAIC LAKE WA - MI	82.50	41.25	27.87	24.45	41.25	13.38	0.30
Total	4,163.92	3,502.81	1,941.70	1,156.53	661.11	140.26	92.65

Table 6. Revised Article 56 Carryover for Existing Conditions

Contractor Name	Table A amount (TAF)	Table A request for given demand level (TAF)			Article 56 request for given demand level (TAF)		
		100%	50%	30%	100%	50%	30%
ALAMEDA COUNTY FC&WCD-ZONE 7 ⁽¹⁾	80.62	50.62	33.31	22.19	30.00	7.00	2.00
ALAMEDA COUNTY WD ⁽¹⁾	42.00	38.00	21.00	12.60	4.00		
ANTELOPE VALLEY-EAST KERN WA	141.40	70.70	62.45	42.42	70.70	8.25	
CASTAIC LAKE WA - AG							
CITY OF YUBA CITY ⁽¹⁾	9.60	4.80	2.40	2.88	4.80	2.40	
COACHELLA VALLEY WD ⁽¹⁾	138.35	69.18	69.18	41.51	69.18		
COUNTY OF BUTTE	27.50	27.50	13.75	8.25			
COUNTY OF KINGS ⁽¹⁾	9.31	4.63	3.97	2.76	4.68	0.68	0.03
CRESTLINE-LAKE ARROWHEAD WA	5.80	3.16	2.90	1.74	2.64		
DESERT WA ⁽¹⁾	55.75	27.88	27.88	16.73	27.88		
DUDLEY RIDGE WD ⁽¹⁾	50.34	47.84	25.17	15.10	2.50		
EMPIRE WEST SIDE ID ⁽¹⁾	2.00	0.60	0.60	0.60	1.40	0.40	
KERN COUNTY WA - AG	848.13	794.24	415.14	250.72	53.89	8.93	3.72
LITTLEROCK CREEK ID	2.30	2.30	1.15	0.69			
METROPOLITAN WDSC	1,911.50	1,711.50	878.25	537.40	200.00	77.50	36.05
MOJAVE WA ⁽¹⁾	82.80	17.00	17.00	17.04	65.80	24.40	7.80
NAPA COUNTY FC&WCD	29.03	19.73	8.52	5.58	9.30	5.99	3.13
OAK FLAT WD ⁽¹⁾	5.70	5.00	2.85	1.71	0.70		
PALMDALE WD ⁽¹⁾	21.30	16.80	10.55	6.29	4.50	0.10	0.10
SAN BERNARDINO VALLEY MWD ⁽¹⁾	102.60	92.60	41.30	25.78	10.00	10.00	5.00
SAN GABRIEL VALLEY MWD	28.80	28.80	14.40	8.64			
SAN GORGONIO PASS WA	17.30	9.60	7.80	4.69	7.70	0.85	0.50
SAN LUIS OBISPO COUNTY FC&WCD	25.00	25.00	12.50	7.50			
SANTA BARBARA COUNTY FC&WCD ⁽¹⁾	45.49	21.96	22.74	13.65	23.53	0.00	
SANTA CLARA VALLEY WD	100.00	72.50	38.60	20.00	27.50	11.40	10.00
SOLANO COUNTY WA	47.51	23.76	9.39	8.27	23.75	14.36	5.98
TULARE LAKE BASIN WSD ⁽¹⁾	88.92	28.46	28.46	26.68	60.47	16.01	
VENTURA COUNTY WPD	20.00	20.00	10.00	6.00			
KERN COUNTY WA - MI	134.60	134.60	67.30	40.38			
CASTAIC LAKE WA – MI ⁽¹⁾	95.20	65.20	37.60	28.56	30.00	10.00	
Total	4,168.85	3,433.96	1,886.16	1,176.36	734.92	198.27	74.31

(1) Information provided by correspondence with State Water Contractors. All other information provided by SWPAO.

Table 7. 2009 DRR Future Conditions Article 56 Carryover

Contractor Name	Table A amount (TAF)	Table A request for given demand level (TAF)			Article 56 request for given demand level (TAF)		
		100%	50%	30%	100%	50%	30%
ALAMEDA COUNTY FC&WCD-ZONE 7	80.62	78.40	38.09	24.19	2.22	2.22	
ALAMEDA COUNTY WD	42.00	42.00	21.00	12.60			
ANTELOPE VALLEY-EAST KERN WA	141.40	141.40	70.70	42.42			
CASTAIC LAKE WA - AG	12.70	12.70	6.35	3.81			
CITY OF YUBA CITY	9.60	9.60	4.80	2.88			
COACHELLA VALLEY WD	133.10	123.20	66.55	39.93	9.90		
COUNTY OF BUTTE	27.50	27.50	13.75	8.25			
COUNTY OF KINGS	9.00	9.00	4.50	2.70			
CRESTLINE-LAKE ARROWHEAD WA	5.80	5.80	2.90	1.74			
DESERT WA	54.00	42.10	27.00	16.20	11.90		
DUDLEY RIDGE WD	57.34	57.34	28.67	17.20			
EMPIRE WEST SIDE ID	3.00	3.00	1.50	0.90			
KERN COUNTY WA - AG	848.13	848.13	424.07	254.44			
LITTLEROCK CREEK ID	2.30	2.30	1.15	0.69			
METROPOLITAN WDSC	1,911.50	1,711.50	955.75	573.45	200.00		
MOJAVE WA	75.80	37.90	35.32	22.74			
NAPA COUNTY FC&WCD	29.02	29.02	14.51	8.71			
OAK FLAT WD	5.70	5.70	2.85	1.71			
PALMDALE WD	21.30	21.30	10.65	6.39			
SAN BERNARDINO VALLEY MWD	102.60	91.20	51.30	30.78	11.40		
SAN GABRIEL VALLEY MWD	28.80	28.80	14.40	8.64			
SAN GORGONIO PASS WA	17.30	17.30	8.65	5.19			
SAN LUIS OBISPO COUNTY FC&WCD	25.00	25.00	12.50	7.50			
SANTA BARBARA COUNTY FC&WCD	45.49	45.49	22.75	13.65			
SANTA CLARA VALLEY WD	100.00	100.00	50.00	30.00			
SOLANO COUNTY WA	47.76	47.76	23.88	14.33			
TULARE LAKE BASIN WSD	96.23	96.23	48.12	28.87			
VENTURA COUNTY WPD	20.00	20.00	10.00	6.00			
KERN COUNTY WA - MI	134.60	134.60	67.30	40.38			
CASTAIC LAKE WA - MI	82.50	82.50	41.25	24.75			
Total	4,170.09	3,896.77	2,080.25	1,251.03	235.42	2.22	0.00

Table 8. Revised Article 56 Carryover for Future Conditions

Contractor Name	Table A amount (TAF)	Table A request for given demand level (TAF)			Article 56 request for given demand level (TAF)		
		100%	50%	30%	100%	50%	30%
ALAMEDA COUNTY FC&WCD-ZONE 7	80.62	78.40	38.09	24.19	2.22	2.22	
ALAMEDA COUNTY WD	42.00	42.00	21.00	12.60			
ANTELOPE VALLEY-EAST KERN WA	141.40	141.40	70.70	42.42			
CASTAIC LAKE WA - AG	12.70	12.70	6.35	3.81			
CITY OF YUBA CITY	9.60	9.60	4.80	2.88			
COACHELLA VALLEY WD	138.35	128.45	69.18	41.51			
COUNTY OF BUTTE	27.50	27.50	13.75	8.25			
COUNTY OF KINGS	9.31	9.31	4.66	2.79			
CRESTLINE-LAKE ARROWHEAD WA	5.80	5.80	2.90	1.74			
DESERT WA	55.75	43.85	27.88	16.73	11.90		
DUDLEY RIDGE WD	50.34	50.34	25.17	15.10			
EMPIRE WEST SIDE ID	2.00	2.00	1.00	0.60			
KERN COUNTY WA - AG	848.13	848.13	424.07	254.44			
LITTLEROCK CREEK ID	2.30	2.30	1.15	0.69			
METROPOLITAN WDSC	1,911.50	1,711.50	955.75	573.45	200.00		
MOJAVE WA	82.80	44.90	38.82	24.84			
NAPA COUNTY FC&WCD	29.03	29.03	14.52	8.71			
OAK FLAT WD	5.70	5.70	2.85	1.71			
PALMDALE WD	21.30	21.30	10.65	6.39			
SAN BERNARDINO VALLEY MWD	102.60	91.20	51.30	30.78	11.40		
SAN GABRIEL VALLEY MWD	28.80	28.80	14.40	8.64			
SAN GORGONIO PASS WA	17.30	17.30	8.65	5.19			
SAN LUIS OBISPO COUNTY FC&WCD	25.00	25.00	12.50	7.50			
SANTA BARBARA COUNTY FC&WCD	45.49	45.49	22.75	13.65			
SANTA CLARA VALLEY WD	100.00	100.00	50.00	30.00			
SOLANO COUNTY WA	47.51	47.51	23.76	14.25			
TULARE LAKE BASIN WSD	88.92	88.92	44.46	26.68			
VENTURA COUNTY WPD	20.00	20.00	10.00	6.00			
KERN COUNTY WA - MI	134.60	134.60	67.30	40.38			
CASTAIC LAKE WA - MI	82.50	82.50	41.25	24.75			
Total	4,168.85	3,895.53	2,079.63	1,250.66	235.42	2.22	0.00

Updates in Model Assumptions

Overview of Model Assumptions

Many of the model assumptions developed for the 2009 DRR simulations were also used for the 2011 DRR report update. A full discussion of the assumptions pertaining to climate change, the National Marine Fisheries Service and U.S. Fish and Wildlife Service Biological Opinions, and an overview of the CalSim-II simulation software used to develop and run the study simulations can be found in the 2009 update at <http://baydeltaoffice.water.ca.gov/swpreliability/Reliability2010final101210.pdf>. Updated assumptions that differ from those used in the 2009 DRR update are discussed below.

Changes to Existing Conditions Scenario

Changes were made to the CalSim-II 2009 DRR WRESL code to better reflect the requirements imposed by the National Marine Fisheries Service (NMFS) Biological Opinion (BO), to capture changes in system operations, and to improve hydrologic simulation.

The 2009 DRR model assumed 60 days of San Joaquin River minimum flow at Vernalis between April and May for the NMFS BO Action IV.2.1 and New Melones storage was obligated as a supply source. The 2011 DRR model assumes that New Melones Reservoir is only obligated to commit a volume of water that would have been released per the New Melones Interim Plan of Operations. Therefore, there are times when the 60-day requirement at Vernalis is not met.

In the 2009 DRR model, flow below Goodwin Dam was simulated to meet the requirements of NMFS BO Action III.1.2 and III.1.3. In the 2011 DRR model, flow below Goodwin Dam is simulated to meet the Revised Operations Plan in addition to those requirements imposed by NMFS BO Action III.1.2 and III.1.3.

San Joaquin River restoration flows are modeled in the 2011 DRR scenario. The 2009 DRR did not model San Joaquin River restoration flows but the 2011 DRR simulation assumes Water Year 2010 Interim flows in the river.

The 2009 DRR assumed that the Freeport Regional Water Project was operational during the Existing Conditions scenario. The 2011 DRR simulation, however, does not include the Freeport Regional Water Project. This is because the assumptions used in the 2011 model were based on a set point in time that was chosen before the project came online.

The 2011 DRR studies calculate the spills at Fremont Weir and Sacramento Weir based on daily flows; whereas the 2009 DRR studies calculated spills at these weirs based on monthly flows. The use of daily flow rates allows for a more accurate representation of the peak flow in the river that would cause a spill over the weir.

Changes to Future Conditions Scenario

Some Future Conditions scenario assumptions used for the 2009 DRR were modified in a similar manner as those in the Existing Conditions scenario. Other modifications were specific to the Future Conditions scenario.

The San Joaquin River minimum flow at Vernalis had the same 60-day flow requirement in the 2009 DRR Future Conditions study as it did in the Existing Conditions study of that report. For the 2011 DRR update, the Future Conditions study has the same modification as the Existing Conditions study;

that is, New Melones is only committed to release as much storage as would have been obligated for the New Melones Interim Plan of Operations.

The 2009 DRR Future Conditions study assumed that the flow below Goodwin Dam would meet the requirements of NMFS BO Action III.1.2 and III.1.3, just as the Existing Conditions study did. The Future Conditions study used in the 2011 DRR update has the same assumption used in the updated Existing Conditions study; flow below Goodwin Dam is required to meet the requirements of NMFS BO Action III.1.2 and III.1.3, and the Revised Operations Plan.

The 2009 DRR Future Conditions study assumed the San Joaquin River restoration flow would be the full restoration amount. The 2011 DRR Future Conditions study assumes that the restoration flow amount will be equal to the Water Year 2010 Interim flows.

The other main assumption difference between the 2009 and 2011 DRR Future Conditions studies is the simulation of weir spills at both Sacramento and Fremont Weir. As was the case with the Existing Conditions studies, the 2009 DRR Future Conditions study used monthly flow volumes to calculate weir spills but the 2011 DRR Future Conditions study calculates weir spills based on daily flow rates.

Simulation Results for Existing Conditions

The deliveries shown in this report, as with previous report updates, only include those State Water Contractors that rely on delivery of water from the Sacramento-San Joaquin Delta. Therefore, State Water Contractors in the Feather River area and upstream (i.e., Butte County, Plumas County Flood Control and Water Conservation District, and Yuba City) are excluded from this analysis. This section of the Technical Addendum presents results for the Existing Conditions scenario.

SWP Table A Deliveries

The Table A deliveries for State Water Contractors under Existing Conditions are shown in Table 9. The maximum Table A amount for SWP deliveries from the Delta in the 2011 update is 4,133 taf/year. The results for individual Contractor Table A deliveries is included at the end of this addendum. Figure 1 shows a comparison of SWP Table A delivery exceedence curves from the 2009 report update and the 2011 update.

Figure 1. Comparison of SWP Table A Delivery Probability for Existing Conditions

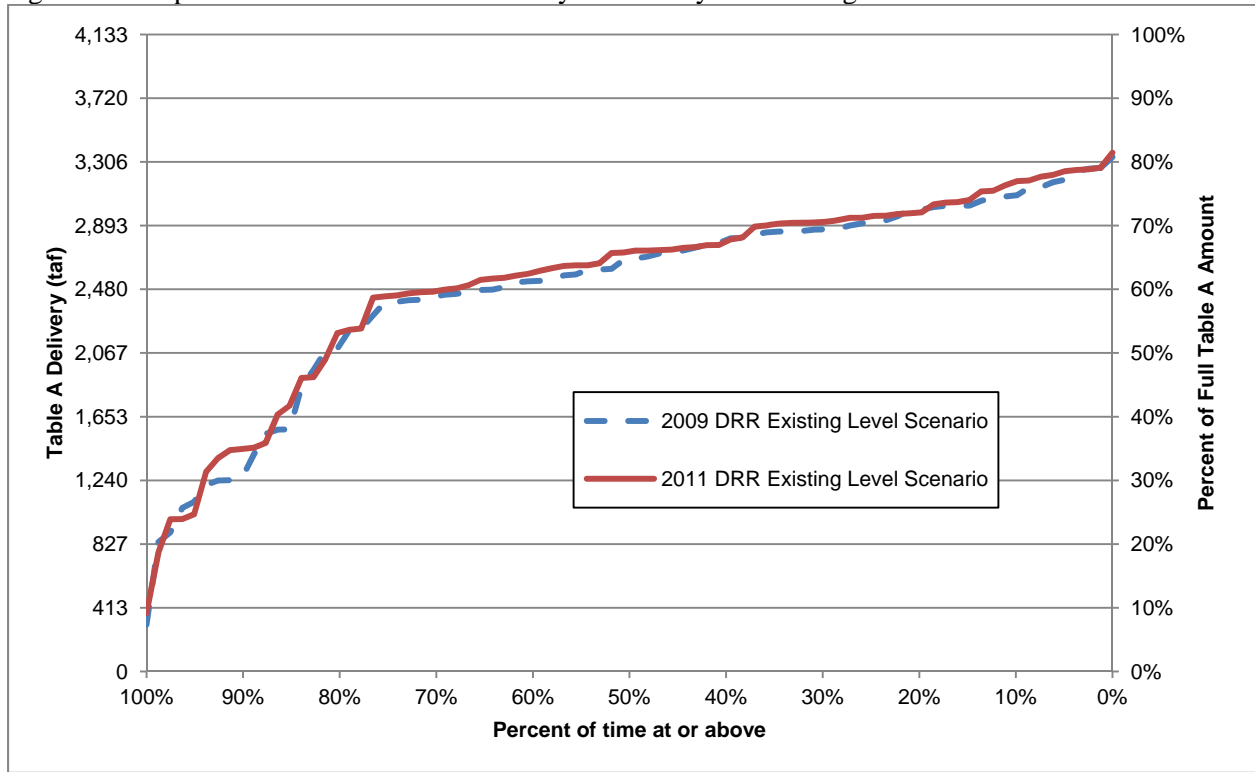


Table 9. SWP Table A Deliveries for Existing Conditions

Year	SWP Table A Demands	SWP Table A Delivery		Probability Curve (percent of time at or above given value)			
		Annual Volume (TAF)	Percent of Maximum SWP Table A ¹	Year	SWP Table A Delivery (TAF)	Exceedence Frequency	Percent of Maximum SWP Table A ¹
1922	3,412	2,460	60%	1938	3,365	0%	81%
1923	3,722	2,911	70%	1943	3,268	1%	79%
1924	3,966	1,443	35%	1996	3,257	2%	79%
1925	3,945	1,909	46%	1999	3,253	4%	79%
1926	3,782	2,196	53%	1942	3,245	5%	79%
1927	3,548	2,630	64%	1970	3,221	6%	78%
1928	3,902	2,893	70%	1998	3,209	7%	78%
1929	3,957	1,296	31%	1997	3,185	9%	77%
1930	3,927	1,483	36%	1974	3,180	10%	77%
1931	3,976	1,436	35%	1984	3,153	11%	76%
1932	3,678	1,667	40%	1937	3,118	12%	75%
1933	3,943	1,725	42%	1979	3,114	14%	75%
1934	3,986	989	24%	1958	3,058	15%	74%
1935	3,702	2,433	59%	1953	3,045	16%	74%
1936	3,774	2,753	67%	1939	3,041	17%	74%
1937	3,487	3,118	75%	1982	3,030	19%	73%
1938	3,454	3,365	81%	1975	2,978	20%	72%
1939	3,678	3,041	74%	1986	2,972	21%	72%
1940	3,718	2,554	62%	1956	2,968	22%	72%
1941	3,049	2,635	64%	1980	2,956	23%	72%
1942	3,588	3,245	79%	1952	2,955	25%	72%
1943	3,668	3,268	79%	1968	2,943	26%	71%
1944	3,568	2,599	63%	1968	2,943	27%	71%
1945	3,617	2,648	64%	1969	2,928	28%	71%
1946	3,715	2,910	70%	1995	2,919	30%	71%
1947	3,959	2,730	66%	2003	2,912	31%	70%
1948	3,964	2,477	60%	1923	2,911	32%	70%
1949	3,869	2,453	59%	1946	2,910	33%	70%
1950	3,816	2,216	54%	1966	2,905	35%	70%
1951	3,784	2,736	66%	1928	2,893	36%	70%
1952	3,114	2,955	72%	1983	2,886	37%	70%
1953	3,795	3,045	74%	1967	2,816	38%	68%
1954	3,838	2,733	66%	1963	2,803	40%	68%
1955	3,766	1,904	46%	2000	2,766	41%	67%
1956	3,644	2,968	72%	1976	2,765	42%	67%
1957	3,764	2,506	61%	1936	2,753	43%	67%
1958	3,517	3,058	74%	1971	2,748	44%	67%
1959	4,060	2,715	66%	1951	2,736	46%	66%
1960	4,120	2,225	54%	1954	2,733	47%	66%
1961	4,120	2,425	59%	1947	2,730	48%	66%
1962	3,694	2,485	60%	1947	2,730	49%	66%
1963	3,639	2,803	68%	1993	2,718	51%	66%
1964	3,912	2,540	61%	1959	2,715	52%	66%

Table 9 (cont'd). SWP Table A Deliveries for Existing Conditions

Year	SWP Table A Demands	SWP Table A Delivery		Probability Curve (percent of time at or above given value)			
		Annual Volume (TAF)	Percent of Maximum SWP Table A ¹	Year	SWP Table A Delivery (TAF)	Exceedence Frequency	Percent of Maximum SWP Table A ¹
1965	3,590	2,730	66%	1945	2,648	53%	64%
1966	3,727	2,905	70%	1941	2,635	54%	64%
1967	3,475	2,816	68%	1941	2,635	56%	64%
1968	3,797	2,943	71%	1927	2,630	57%	64%
1969	3,193	2,928	71%	1981	2,616	58%	63%
1970	3,719	3,221	78%	1944	2,599	59%	63%
1971	3,842	2,748	67%	1989	2,580	60%	62%
1972	4,017	2,463	60%	1973	2,568	62%	62%
1973	3,616	2,568	62%	1940	2,554	63%	62%
1974	3,654	3,180	77%	2002	2,549	64%	62%
1975	3,725	2,978	72%	1964	2,540	65%	61%
1976	4,019	2,765	67%	1957	2,506	67%	61%
1977	3,952	380	9%	1962	2,485	68%	60%
1978	3,162	2,635	64%	1948	2,477	69%	60%
1979	3,532	3,114	75%	1972	2,463	70%	60%
1980	3,233	2,956	72%	1922	2,460	72%	60%
1981	3,839	2,616	63%	1949	2,453	73%	59%
1982	3,486	3,030	73%	1994	2,440	74%	59%
1983	3,043	2,886	70%	1935	2,433	75%	59%
1984	3,697	3,153	76%	1961	2,425	77%	59%
1985	3,757	2,943	71%	1960	2,225	78%	54%
1986	3,381	2,972	72%	1950	2,216	79%	54%
1987	3,909	2,025	49%	1926	2,196	80%	53%
1988	4,031	773	19%	1987	2,025	81%	49%
1989	4,102	2,580	62%	1925	1,909	83%	46%
1990	3,966	1,020	25%	1955	1,904	84%	46%
1991	3,962	1,384	33%	1933	1,725	85%	42%
1992	3,885	988	24%	1932	1,667	86%	40%
1993	3,564	2,718	66%	1930	1,483	88%	36%
1994	3,744	2,440	59%	2001	1,452	89%	35%
1995	3,486	2,919	71%	1924	1,443	90%	35%
1996	3,697	3,257	79%	1931	1,436	91%	35%
1997	3,564	3,185	77%	1991	1,384	93%	33%
1998	3,486	3,209	78%	1929	1,296	94%	31%
1999	3,697	3,253	79%	1990	1,020	95%	25%
2000	3,725	2,766	67%	1934	989	96%	24%
2001	3,966	1,452	35%	1992	988	98%	24%
2002	4,102	2,549	62%	1988	773	99%	19%
2003	3,725	2,912	70%	1977	380	100%	9%
Average	3,722	2524	61%		2,524		61%
Minimum	3,043	380	9%		380		9%
Maximum	4,120	3365	81%		3,365		81%

1. 4,133 taf/year

Article 21 Deliveries

Table 10 below shows the State Water Contractors' Article 21 deliveries for the Existing Conditions scenario.

Table 10. Article 21 Deliveries for Existing Conditions

SWP Article 21 Deliveries (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										-	-	2	
1922	2	2	2	2	2	2	2	-	-	-	-	2	16
1923	-	-	-	2	2	2	-	2	1	2	-	2	13
1924	-	2	-	-	-	-	-	-	-	-	2	2	6
1925	2	2	42	2	2	-	-	2	2	-	-	2	56
1926	2	2	-	2	-	-	-	-	-	-	2	2	10
1927	2	2	2	2	2	2	-	-	-	-	-	2	14
1928	-	-	2	2	2	2	-	-	-	-	-	2	10
1929	2	2	2	2	-	-	-	-	-	-	-	2	10
1930	2	2	2	2	2	-	-	-	-	-	-	-	10
1931	2	2	2	-	-	-	-	-	-	-	-	2	8
1932	2	2	38	-	2	-	-	-	-	-	-	-	44
1933	2	89	114	2	2	-	-	-	-	-	2	3	214
1934	2	2	2	-	-	-	-	-	-	-	2	2	10
1935	2	2	2	2	2	2	-	-	-	-	-	2	14
1936	2	2	2	2	2	2	-	-	1	-	-	2	15
1937	-	-	96	2	2	-	-	-	1	-	2	2	105
1938	-	20	109	2	121	84	1	-	-	-	-	3	340
1939	-	-	-	-	2	-	-	-	-	-	-	-	2
1940	2	2	2	2	2	2	2	-	-	-	-	2	16
1941	2	2	2	2	2	2	-	-	-	-	-	2	14
1942	-	-	-	2	2	2	-	-	-	-	-	2	8
1943	-	-	1	2	2	1	2	-	-	-	-	2	10
1944	2	2	2	2	2	-	-	-	-	-	2	2	14
1945	2	2	299	2	2	-	-	2	2	2	2	2	317
1946	-	-	1	2	2	-	2	2	1	-	-	2	12
1947	1	1	2	2	2	-	-	-	-	2	-	-	10
1948	-	-	2	2	2	2	-	-	-	-	-	2	10
1949	2	2	2	2	2	-	-	-	-	-	-	2	12
1950	2	2	2	2	2	-	2	-	1	2	2	2	19
1951	189	253	243	2	2	2	2	-	-	-	-	2	695
1952	-	-	-	2	2	2	2	2	2	-	-	6	18
1953	-	-	-	2	2	2	-	-	2	-	-	2	10
1954	1	-	2	2	2	2	-	-	-	-	-	2	11
1955	2	2	2	2	2	-	-	-	-	2	-	2	14
1956	200	263	237	2	2	2	-	-	-	-	-	2	708
1957	2	2	2	2	2	2	2	-	-	2	2	2	20
1958	2	2	2	2	2	2	1	1	2	-	-	2	18
1959	-	-	-	2	2	-	-	-	-	-	-	2	6
1960	2	2	2	-	2	-	-	-	-	-	2	2	12
1961	2	2	2	-	2	-	-	-	-	-	-	2	10
1962	-	2	2	2	2	-	-	-	-	2	2	2	14
1963	-	-	2	2	2	2	2	-	-	-	2	2	14
1964	2	2	2	2	2	-	-	-	1	-	2	2	15
1965	2	2	2	2	2	2	2	-	-	-	-	2	16

Table 10 (cont'd). Article 21 Deliveries for Existing Conditions

SWP Article 21 Deliveries (TAF)													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1966	-	-	1	2	-	-	-	2	2	-	2	2	11
1967	2	1	2	2	2	2	2	2	-	-	-	2	17
1968	-	-	-	2	2	1	-	-	2	-	2	2	11
1969	1	26	118	2	2	2	1	1	-	2	-	2	157
1970	99	37	27	2	2	2	2	-	-	-	-	2	173
1971	-	-	2	2	2	2	-	-	-	-	-	2	10
1972	2	2	2	2	2	2	-	2	2	-	2	2	20
1973	2	2	2	2	2	-	2	-	-	-	2	2	16
1974	-	-	2	2	2	2	-	2	2	-	-	2	14
1975	-	-	-	2	2	2	-	2	-	2	-	2	12
1976	-	-	2	2	2	-	-	-	-	-	-	-	6
1977	1	-	-	-	-	-	-	-	-	-	-	2	3
1978	2	2	89	2	2	2	-	-	-	-	-	2	101
1979	-	-	11	2	2	-	-	-	2	-	2	2	21
1980	-	3	131	2	2	1	-	2	2	-	-	2	145
1981	2	2	2	2	2	-	-	2	-	-	2	2	16
1982	2	2	186	181	2	2	-	1	1	2	2	77	458
1983	-	-	124	2	2	2	2	2	2	2	208	262	608
1984	153	118	215	2	2	-	2	-	-	-	2	2	496
1985	-	-	-	2	-	-	-	-	-	-	2	2	6
1986	2	84	110	2	2	1	-	2	-	-	-	2	205
1987	2	2	2	-	2	-	-	-	-	-	-	1	9
1988	2	2	-	2	-	-	-	2	-	-	2	2	12
1989	2	-	2	2	-	-	-	-	-	-	-	-	6
1990	-	-	2	-	2	-	-	2	-	-	2	-	8
1991	2	2	2	2	2	-	-	-	-	-	-	-	10
1992	2	2	2	2	-	-	-	-	-	-	-	2	10
1993	2	2	2	2	2	2	-	-	-	-	-	2	14
1994	1	1	2	2	2	-	-	-	-	-	2	2	12
1995	2	2	2	2	2	2	2	1	2	-	-	2	19
1996	-	-	-	2	2	2	-	-	-	-	-	2	8
1997	-	-	60	2	2	2	2	-	-	-	-	2	70
1998	1	1	2	2	2	2	2	1	1	2	160	26	202
1999	-	74	15	2	2	2	-	2	-	-	-	2	99
2000	2	2	2	2	2	-	2	-	-	-	-	2	14
2001	2	2	2	2	2	-	-	1	-	2	-	2	15
2002	2	115	125	2	2	-	-	-	1	2	2	2	253
2003	2	2	2	2	2	2	-	-	-	-	-	-	14
Average	9	14	30	4	3	2	1	0	0	0	5	6	76
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	2
Maximum	200	263	299	181	121	84	2	2	2	2	208	262	708

SWP Exports from the Sacramento-San Joaquin Delta

Table 11 below shows the SWP's exports from the Delta for the Existing Conditions scenario.

Table 11. SWP Exports for Existing Conditions

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										320	212	442	
1922	219	177	270	62	61	375	411	411	397	228	140	272	3,023
1923	216	226	203	55	43	178	411	344	370	307	215	284	2,852
1924	122	125	18	53	18	40	284	53	89	153	152	329	1,436
1925	46	130	223	53	55	151	224	264	261	214	175	169	1,965
1926	185	98	18	66	60	133	392	348	148	234	397	222	2,301
1927	150	212	221	42	43	161	411	336	337	182	123	437	2,655
1928	212	124	242	57	43	144	382	342	373	201	124	326	2,570
1929	202	184	155	96	25	48	121	18	52	147	43	222	1,313
1930	146	141	143	73	73	87	368	255	239	156	121	113	1,915
1931	132	141	44	18	41	48	275	53	88	146	107	441	1,534
1932	205	221	171	18	43	18	74	385	242	224	139	178	1,918
1933	198	193	136	42	43	48	143	60	94	189	131	364	1,641
1934	196	183	77	18	18	18	18	18	86	103	229	244	1,208
1935	210	159	141	42	43	183	411	261	281	241	190	216	2,378
1936	131	415	290	56	43	166	411	313	360	281	170	311	2,947
1937	227	472	465	69	74	170	411	229	298	256	397	333	3,401
1938	395	472	409	140	380	397	379	391	206	344	18	399	3,930
1939	209	190	146	40	57	47	408	407	190	248	141	255	2,338
1940	155	190	332	58	43	171	385	335	341	199	76	261	2,546
1941	246	472	465	78	79	224	411	411	369	161	18	261	3,195
1942	335	306	302	64	73	227	411	411	377	178	18	248	2,950
1943	402	352	465	69	50	186	411	354	286	166	18	368	3,127
1944	208	210	140	53	43	103	390	366	286	236	382	431	2,848
1945	210	236	441	46	43	72	411	392	310	314	378	355	3,208
1946	248	235	213	42	43	87	407	388	292	316	286	352	2,909
1947	210	194	80	51	47	92	411	407	247	280	203	158	2,380
1948	120	17	149	42	43	153	411	365	397	250	203	285	2,435
1949	120	186	108	42	43	95	411	407	258	263	213	175	2,321
1950	133	143	200	42	43	163	408	326	362	296	397	472	2,985
1951	447	343	379	42	43	143	361	344	310	187	225	242	3,066
1952	295	223	465	88	140	354	411	411	394	170	18	437	3,406
1953	198	214	214	51	52	110	411	411	397	133	18	376	2,585
1954	127	139	204	42	43	148	356	333	397	213	221	432	2,655
1955	219	184	142	50	50	44	411	199	261	198	224	409	2,391
1956	496	355	382	49	47	235	411	342	296	166	18	383	3,180
1957	205	105	167	51	50	84	398	330	335	411	217	228	2,581
1958	156	226	465	135	106	307	411	411	397	226	18	379	3,237
1959	137	166	208	65	56	93	411	339	228	227	159	208	2,297
1960	184	127	142	18	74	82	408	407	270	244	269	381	2,606
1961	198	114	196	53	49	33	411	407	236	238	81	429	2,445

Table 11 (cont'd). SWP Exports for Existing Conditions

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1962	184	176	224	42	43	39	408	335	275	411	397	218	2,752
1963	148	156	217	42	43	125	408	365	334	221	291	332	2,682
1964	209	159	137	42	43	18	411	407	266	245	307	240	2,484
1965	361	251	273	54	43	151	411	411	396	119	217	461	3,148
1966	240	220	173	42	43	91	406	333	269	246	332	240	2,635
1967	183	201	255	116	113	397	411	411	294	291	18	401	3,091
1968	212	131	206	66	59	93	408	342	285	273	273	433	2,781
1969	290	412	234	133	210	275	307	365	177	346	18	255	3,022
1970	523	318	314	42	43	104	411	344	163	162	312	243	2,979
1971	203	187	229	52	48	152	411	411	320	246	18	433	2,710
1972	198	104	143	51	47	92	408	346	252	254	397	226	2,518
1973	178	247	259	42	43	162	408	411	256	328	397	283	3,014
1974	279	216	309	53	43	201	411	411	397	268	18	440	3,046
1975	210	178	344	51	43	219	411	411	397	379	18	435	3,096
1976	182	118	173	75	52	48	373	261	212	215	171	238	2,118
1977	118	36	18	18	34	18	18	70	81	27	110	328	876
1978	177	314	340	97	86	252	411	411	341	188	89	381	3,087
1979	239	310	327	46	66	114	411	252	289	296	379	435	3,164
1980	295	273	241	57	53	249	276	205	50	230	21	435	2,385
1981	208	188	168	68	62	90	411	401	253	236	397	225	2,707
1982	230	472	465	364	146	271	411	411	397	358	244	297	4,066
1983	280	221	195	89	109	166	175	316	247	221	386	419	2,824
1984	443	391	389	46	43	90	408	411	255	226	397	434	3,533
1985	211	196	169	57	55	92	411	405	289	288	294	381	2,848
1986	131	472	254	91	88	287	346	115	223	200	18	373	2,598
1987	202	186	133	18	72	88	402	330	128	201	168	221	2,149
1988	143	126	18	66	59	48	317	33	76	72	188	181	1,327
1989	148	46	68	60	47	132	411	407	239	332	118	381	2,389
1990	189	115	57	18	52	33	336	18	115	104	99	92	1,228
1991	18	104	65	42	45	65	256	32	57	161	82	96	1,023
1992	94	94	140	42	23	81	91	67	59	63	103	326	1,183
1993	197	354	226	42	43	202	411	349	397	205	18	429	2,873
1994	196	183	132	47	59	48	407	408	195	210	197	215	2,297
1995	181	214	465	99	380	368	411	411	397	120	40	230	3,316
1996	173	467	426	55	65	197	411	411	397	92	31	472	3,197
1997	523	472	390	42	43	139	353	411	225	126	42	433	3,199
1998	184	472	465	110	130	397	411	411	397	411	397	249	4,034
1999	252	419	306	49	43	166	411	301	214	137	18	385	2,701
2000	140	310	340	42	43	164	381	345	397	150	18	379	2,709
2001	211	169	171	51	47	88	401	122	233	89	242	240	2,064
2002	163	203	152	42	43	59	411	396	238	305	141	236	2,389
2003	140	182	201	42	43	203	411	332	310				2,838
Average	214	228	232	60	65	145	365	316	268	223	174	317	2,607
Minimum	18	17	18	18	18	18	18	18	50	27	18	92	876
Maximum	523	472	465	364	380	397	411	411	397	411	397	472	4,066

Simulation Results for Future Conditions

This section of the Technical Addendum presents results for State Water Contractors outside of the Feather River area under the Future Conditions Scenario. The results for the Future Conditions Scenario are interpolated from two studies as described in the 2009 Report update, Appendix B. Equation 1 below shows the interpolation equation used for this report.

Equation 1. Climate Change Interpolation

$$\text{Future (2031) annual SWP delivery} = \text{NCC} + (20/39) * (\text{CC} - \text{NCC})$$

Where: NCC = annual SWP delivery for future, no climate change scenario

CC = annual SWP delivery for future, with climate change scenario which assumes 2050 emission levels.

The ratio of 20/39 corresponds to the ratio of calendar years: (2031-2011)/(2050-2011).

The climate change model MPI-ECHAM5 with the A2 emission scenario was used once again for the Report update as it was in the previous report. The climate change model assumes a 2050 level of emissions.

SWP Table A Deliveries

The Table A deliveries for State Water Contractors under Future Conditions are shown in Table 12 for the Future Conditions with no climate change, the Future Conditions using the MPI-ECHAM5 climate model with the A2 emission scenario, and the Future Conditions with climate change interpolated to 2031. The maximum Table A amount for SWP deliveries from the Delta in the 2011 update is 4,133 taf/year. The results for individual Contractor Table A deliveries for Future Conditions are included at the end of this addendum. The results of the interpolated Table A deliveries from the 2009 and the 2011 report update are shown in Figure 2 below.

Figure 2. Comparison of SWP Table A Delivery Probability for Future Conditions

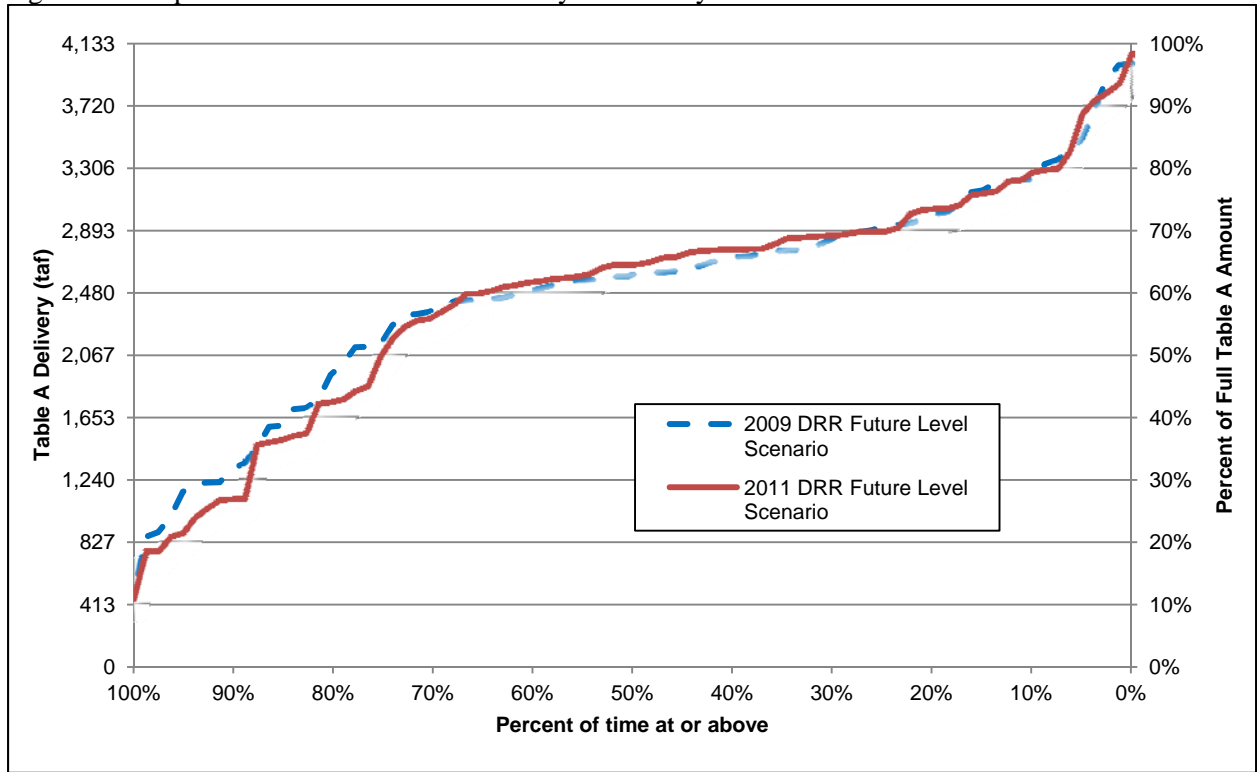


Table 12. SWP Table A Deliveries for Future Conditions

Year	SWP Table A Demands (TAF)	No Climate Change		MPI-ECHAM5 Model w/ A2 Emission Scenario		Estimated Delivery Interpolated to 2031	
		SWP Table A Delivery (TAF)	Percent of Maximum SWP Table A	SWP Table A Delivery (TAF)	Percent of Maximum SWP Table A	SWP Table A Delivery (TAF)	Percent of Maximum SWP Table A
1922	4,133	2,737	66%	2,594	63%	2,664	64%
1923	4,133	2,745	66%	2,370	57%	2,553	62%
1924	4,133	851	21%	674	16%	760	18%
1925	4,133	1,751	42%	1,748	42%	1,749	42%
1926	4,133	2,607	63%	1,913	46%	2,251	54%
1927	4,133	2,715	66%	3,040	74%	2,882	70%
1928	4,133	2,722	66%	2,761	67%	2,742	66%
1929	4,133	1,028	25%	1,064	26%	1,046	25%
1930	4,133	1,598	39%	1,490	36%	1,543	37%
1931	4,133	1,428	35%	1,567	38%	1,499	36%
1932	4,133	1,709	41%	1,268	31%	1,483	36%
1933	4,133	1,740	42%	1,740	42%	1,740	42%
1934	4,133	996	24%	775	19%	883	21%
1935	4,133	2,679	65%	2,738	66%	2,709	66%
1936	4,133	2,952	71%	2,590	63%	2,766	67%
1937	4,133	3,607	87%	3,006	73%	3,299	80%
1938	4,133	4,054	98%	3,686	89%	3,865	94%
1939	4,133	2,435	59%	1,691	41%	2,053	50%
1940	4,133	2,614	63%	2,669	65%	2,642	64%
1941	4,133	3,221	78%	2,859	69%	3,035	73%
1942	4,133	2,708	66%	2,625	64%	2,665	65%
1943	4,133	3,218	78%	2,789	68%	2,998	73%
1944	4,133	2,117	51%	1,609	39%	1,856	45%
1945	4,133	2,884	70%	2,883	70%	2,883	70%
1946	4,133	2,830	68%	2,699	65%	2,763	67%
1947	4,133	2,778	67%	1,831	44%	2,292	55%
1948	4,133	2,516	61%	2,461	60%	2,488	60%
1949	4,133	1,644	40%	1,297	31%	1,466	35%
1950	4,133	2,770	67%	2,561	62%	2,663	64%
1951	4,133	3,183	77%	3,121	76%	3,151	76%
1952	4,133	3,662	89%	2,911	70%	3,277	79%
1953	4,133	2,469	60%	2,674	65%	2,574	62%
1954	4,133	2,497	60%	2,448	59%	2,472	60%
1955	4,133	1,719	42%	1,344	33%	1,527	37%
1956	4,133	3,421	83%	3,039	74%	3,225	78%
1957	4,133	2,376	58%	2,422	59%	2,400	58%
1958	4,133	3,402	82%	2,683	65%	3,033	73%
1959	4,133	2,319	56%	2,703	65%	2,516	61%
1960	4,133	2,151	52%	1,405	34%	1,768	43%
1961	4,133	1,805	44%	1,840	45%	1,823	44%
1962	4,133	2,942	71%	2,823	68%	2,881	70%
1963	4,133	2,665	65%	2,698	65%	2,682	65%

Table 12 (cont'd). SWP Table A Deliveries for Future Conditions

Year	SWP Table A Demands (TAF)	No Climate Change		MPI-ECHAM5 Model w/ A2 Emission Scenario		Estimated Delivery Interpolated to 2031	
		SWP Table A Delivery (TAF)	Percent of Maximum SWP Table A	SWP Table A Delivery (TAF)	Percent of Maximum SWP Table A	SWP Table A Delivery (TAF)	Percent of Maximum SWP Table A
1964	4,133	2,585	63%	2,552	62%	2,568	62%
1965	4,133	2,930	71%	2,786	67%	2,856	69%
1966	4,133	2,766	67%	2,412	58%	2,584	63%
1967	4,133	3,005	73%	2,676	65%	2,836	69%
1968	4,133	2,797	68%	2,729	66%	2,762	67%
1969	4,133	3,927	95%	3,688	89%	3,804	92%
1970	4,133	3,009	73%	2,684	65%	2,842	69%
1971	4,133	2,782	67%	2,428	59%	2,600	63%
1972	4,133	2,511	61%	2,107	51%	2,304	56%
1973	4,133	2,670	65%	2,862	69%	2,768	67%
1974	4,133	3,209	78%	2,853	69%	3,026	73%
1975	4,133	2,872	70%	2,837	69%	2,854	69%
1976	4,133	2,416	58%	2,523	61%	2,471	60%
1977	4,133	300	7%	579	14%	443	11%
1978	4,133	3,413	83%	2,722	66%	3,059	74%
1979	4,133	2,908	70%	2,790	68%	2,847	69%
1980	4,133	3,642	88%	3,199	77%	3,415	83%
1981	4,133	2,501	61%	2,210	53%	2,352	57%
1982	4,133	3,810	92%	3,701	90%	3,754	91%
1983	4,133	4,037	98%	4,087	99%	4,063	98%
1984	4,133	3,129	76%	3,122	76%	3,125	76%
1985	4,133	2,927	71%	2,813	68%	2,869	69%
1986	4,133	3,434	83%	2,852	69%	3,136	76%
1987	4,133	1,288	31%	933	23%	1,106	27%
1988	4,133	946	23%	1,021	25%	984	24%
1989	4,133	2,703	65%	2,394	58%	2,545	62%
1990	4,133	748	18%	776	19%	762	18%
1991	4,133	1,275	31%	951	23%	1,109	27%
1992	4,133	1,050	25%	671	16%	856	21%
1993	4,133	2,988	72%	2,543	62%	2,760	67%
1994	4,133	2,114	51%	2,226	54%	2,171	53%
1995	4,133	3,517	85%	2,931	71%	3,216	78%
1996	4,133	2,906	70%	2,696	65%	2,798	68%
1997	4,133	3,485	84%	3,109	75%	3,292	80%
1998	4,133	3,719	90%	3,611	87%	3,664	89%
1999	4,133	2,931	71%	2,881	70%	2,905	70%
2000	4,133	2,814	68%	2,697	65%	2,754	67%
2001	4,133	1,196	29%	1,009	24%	1,100	27%
2002	4,133	2,881	70%	2,555	62%	2,714	66%
2003	4,133	2,629	64%	2,429	59%	2,526	61%
Average	4,133	2,574	62%	2,363	57%	2,466	60%
Minimum	4,133	300	7%	579	14%	443	11%
Maximum	4,133	4,054	98%	4,087	99%	4,063	98%

Article 21 Deliveries

Tables 13 through 15 show the State Water Contractors' Article 21 deliveries for the Future Conditions with no climate change, the Future Conditions using the MPI-ECHAM5 climate model with the A2 emission scenario, and the Article 21 deliveries interpolated for 2031 climate conditions as described previously.

Table 13. Article 21 Deliveries for Future Conditions without Climate Change

SWP Article 21 Deliveries (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										-	-	2	
1922	2	2	2	2	2	2	2	-	-	-	-	2	16
1923	2	-	2	2	2	-	2	2	-	-	-	2	14
1924	2	2	-	-	-	1	-	1	-	-	2	2	10
1925	37	123	198	2	2	-	-	2	-	2	-	2	368
1926	2	2	-	2	-	-	-	-	-	-	-	-	6
1927	2	2	2	2	2	2	-	-	-	-	-	2	14
1928	2	2	2	2	2	2	-	-	-	-	-	-	12
1929	2	2	2	2	-	-	-	-	-	-	-	2	10
1930	2	2	2	2	2	-	-	-	-	-	-	-	10
1931	2	2	2	-	-	-	-	-	-	-	-	2	8
1932	2	2	75	-	2	-	-	-	-	-	-	-	81
1933	2	158	107	2	2	-	-	-	-	-	1	2	274
1934	2	2	-	-	-	-	-	-	-	-	2	2	8
1935	2	2	2	2	2	-	-	-	-	-	-	-	10
1936	2	2	2	2	2	-	-	-	-	-	-	2	12
1937	2	2	127	2	-	-	-	-	-	-	2	2	137
1938	2	2	2	2	-	-	-	-	-	-	1	-	9
1939	2	-	2	-	2	-	-	-	-	-	-	2	8
1940	2	2	2	2	2	2	2	-	-	-	-	-	14
1941	-	-	-	-	-	-	-	-	-	-	-	1	1
1942	2	2	2	2	2	2	-	-	-	-	-	2	14
1943	2	2	2	2	2	-	2	-	-	-	-	2	14
1944	2	2	2	2	2	-	-	-	-	-	2	2	14
1945	2	7	232	2	2	-	2	2	1	2	2	2	256
1946	2	2	2	2	2	-	2	2	1	1	2	2	20
1947	2	2	2	2	2	-	-	-	-	-	-	-	10
1948	2	-	2	2	2	2	-	-	-	-	-	2	12
1949	2	2	2	2	2	-	-	-	-	-	2	2	14
1950	2	2	2	2	2	-	-	-	-	2	2	2	16
1951	2	94	230	2	2	2	2	-	-	-	-	-	334
1952	-	-	-	-	-	-	-	-	-	-	-	-	-
1953	2	2	2	2	2	2	-	-	1	-	-	2	15
1954	2	2	2	2	2	2	-	-	-	-	-	-	12
1955	2	-	2	2	2	-	-	-	-	2	-	2	12
1956	134	238	212	2	1	1	-	-	-	-	-	1	589
1957	2	2	2	2	2	-	1	-	-	1	2	2	16
1958	2	2	2	2	-	-	-	-	-	-	-	-	8
1959	2	2	2	2	2	-	-	-	-	-	2	2	14
1960	2	2	2	-	2	-	-	-	-	-	2	2	12
1961	2	2	2	-	2	-	-	-	-	-	-	-	8
1962	2	68	61	2	2	-	-	-	-	-	-	-	135
1963	2	2	2	2	2	-	2	-	1	-	2	2	17
1964	2	2	2	2	2	-	-	-	-	-	1	2	13
1965	2	2	2	2	2	-	2	-	-	-	-	2	14

Table 13 (cont'd). Article 21 Deliveries for Future Conditions without Climate Change

SWP Article 21 Deliveries (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1966	2	2	2	2	-	-	-	1	-	-	2	2	13
1967	2	2	2	2	2	2	1	1	-	-	-	2	16
1968	2	2	2	2	2	-	-	-	-	-	-	-	10
1969	-	-	44	-	-	-	-	-	-	-	1	-	45
1970	2	2	2	2	2	2	2	-	-	-	-	2	16
1971	2	2	2	2	2	2	-	-	-	-	-	2	14
1972	2	2	2	2	2	2	-	-	-	-	2	2	16
1973	2	2	2	2	2	-	2	-	-	-	2	2	16
1974	2	2	2	2	2	2	-	1	-	-	-	2	15
1975	2	2	2	2	2	2	-	-	-	1	-	1	14
1976	2	2	2	2	2	-	-	-	-	-	-	-	10
1977	2	-	-	-	-	-	-	-	-	-	-	-	2
1978	-	-	-	-	-	-	-	-	-	-	-	2	2
1979	2	2	2	2	2	-	-	-	1	-	-	-	11
1980	-	20	81	-	-	-	-	-	-	-	-	2	103
1981	2	2	2	2	2	-	-	-	-	-	-	2	12
1982	2	2	57	104	-	-	-	-	-	-	-	-	165
1983	-	-	61	-	-	-	-	-	-	5	90	157	313
1984	166	247	232	2	2	-	2	-	-	-	2	2	655
1985	2	2	2	2	-	-	-	-	-	-	-	-	8
1986	-	14	60	-	-	-	-	-	-	-	-	-	74
1987	2	2	2	-	2	-	-	-	-	-	-	2	10
1988	2	-	-	2	-	-	-	1	-	-	2	2	9
1989	2	-	2	2	-	-	-	-	-	-	-	-	6
1990	2	-	2	-	2	-	-	2	-	-	2	2	12
1991	2	2	2	2	2	-	-	-	-	-	-	-	10
1992	2	2	2	2	-	-	-	-	-	-	-	2	10
1993	2	2	2	2	2	2	-	-	-	-	-	-	12
1994	2	2	2	2	2	-	-	-	-	-	-	-	10
1995	-	-	-	-	-	-	-	-	-	-	1	-	1
1996	2	2	2	2	2	2	-	-	-	-	-	2	14
1997	2	2	14	2	1	2	2	-	-	-	-	-	25
1998	-	-	-	-	-	-	-	-	-	-	2	2	4
1999	2	2	2	2	2	2	2	-	-	-	-	2	16
2000	2	2	2	2	2	-	2	-	-	-	-	2	14
2001	2	2	2	2	2	-	-	-	-	2	2	2	16
2002	2	8	124	2	1	-	-	-	-	-	-	2	139
2003	2	2	2	2	2	-	2	-	-	-	-	-	14
Average	6	13	25	3	1	0	0	0	0	0	2	3	54
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	166	247	232	104	2	2	2	2	1	5	90	157	655

Table 14. Article 21 Deliveries for Future Conditions with 2050 Climate Change

SWP Article 21 Deliveries (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										-	-	2	
1922	2	2	2	2	2	2	-	2	-	-	-	2	16
1923	2	-	2	2	2	-	2	1	1	2	-	2	16
1924	2	2	-	-	-	1	1	1	-	2	2	2	13
1925	2	2	2	93	17	-	-	2	2	2	2	2	126
1926	2	2	-	2	-	-	-	-	-	-	2	2	10
1927	2	2	45	2	1	-	2	-	-	-	-	2	56
1928	2	2	2	2	-	2	-	-	-	-	-	-	10
1929	2	2	2	2	-	-	-	-	-	-	-	2	10
1930	2	2	2	2	-	-	-	-	-	-	2	2	12
1931	2	2	2	-	-	-	-	-	-	-	-	-	6
1932	2	2	2	-	2	-	-	-	-	2	-	2	12
1933	2	2	2	5	2	-	-	-	-	-	-	-	13
1934	2	2	-	-	-	-	-	-	-	-	2	2	8
1935	2	-	2	2	1	-	-	-	-	-	-	-	7
1936	2	2	2	2	2	-	2	-	1	2	-	2	17
1937	2	2	32	2	1	-	-	2	-	2	2	2	47
1938	2	2	2	2	-	-	-	1	-	-	-	2	11
1939	2	-	2	2	2	-	-	-	-	-	-	2	10
1940	2	2	2	2	2	-	2	-	-	-	-	2	14
1941	2	2	2	2	2	-	2	-	-	-	-	2	14
1942	2	2	2	2	2	2	2	2	-	-	-	2	18
1943	2	2	2	2	2	2	2	-	-	-	-	2	16
1944	2	2	2	2	2	-	-	-	-	-	2	2	14
1945	2	2	270	2	1	-	2	2	-	-	2	2	285
1946	2	2	2	2	2	-	2	1	1	2	-	2	18
1947	2	2	2	2	-	-	-	-	-	-	2	2	12
1948	2	-	2	2	2	2	-	-	-	-	-	-	10
1949	2	2	2	2	-	-	-	-	-	2	2	2	14
1950	2	2	2	2	2	-	-	1	1	2	2	2	18
1951	2	87	196	2	2	2	2	-	-	-	-	2	295
1952	2	2	2	2	2	2	-	2	-	-	-	2	16
1953	2	2	2	2	2	2	2	1	-	-	-	2	17
1954	2	2	2	2	-	2	-	-	-	-	-	2	12
1955	2	-	-	2	2	-	-	-	-	2	-	2	10
1956	156	249	231	2	2	-	2	2	-	-	-	2	646
1957	2	2	2	2	2	-	1	-	-	2	2	2	17
1958	2	2	2	2	2	-	-	2	-	-	-	2	14
1959	2	2	2	2	2	-	-	-	-	-	-	-	10
1960	2	2	2	-	2	-	-	-	-	2	2	2	14
1961	2	45	124	-	2	-	-	-	-	-	-	-	173
1962	2	2	2	2	-	-	-	-	-	-	-	-	8
1963	2	2	2	2	2	-	2	-	-	-	-	2	14
1964	2	2	-	2	2	2	-	-	-	-	-	2	12

Table 14 (cont'd). Article 21 Deliveries for Future Conditions with 2050 Climate Change

SWP Article 21 Deliveries (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1965	2	2	2	2	2	-	2	-	-	-	-	2	14
1966	2	2	2	2	-	-	-	-	-	1	2	2	13
1967	2	2	2	2	2	2	-	2	1	-	-	2	17
1968	2	2	2	2	2	-	-	-	-	-	-	2	12
1969	2	53	72	2	-	-	-	1	-	-	-	2	132
1970	2	2	2	2	2	2	2	-	-	-	-	2	16
1971	2	2	2	2	2	-	2	1	-	-	-	2	15
1972	2	2	2	2	2	2	-	-	1	2	2	2	19
1973	2	2	2	2	2	-	2	2	1	-	2	2	19
1974	2	2	2	2	2	-	2	-	-	-	-	2	14
1975	2	2	2	2	2	-	2	2	1	-	-	2	17
1976	2	2	2	2	2	-	-	-	-	-	-	-	10
1977	2	-	-	-	1	-	-	-	-	-	1	2	6
1978	2	2	2	2	1	-	-	-	-	-	-	-	9
1979	2	2	2	2	2	-	-	-	-	-	-	-	10
1980	2	2	63	2	1	-	2	-	-	-	-	2	74
1981	2	2	2	2	2	-	-	-	-	-	2	2	14
1982	2	2	2	2	-	-	2	2	-	-	2	2	16
1983	2	2	27	2	-	-	-	-	-	-	89	148	270
1984	166	247	232	2	2	2	2	-	-	-	-	2	655
1985	2	2	2	2	2	-	-	-	-	-	-	-	10
1986	2	2	2	2	2	-	2	-	-	-	-	2	14
1987	2	2	2	-	2	-	1	1	-	-	-	2	12
1988	2	-	-	2	-	-	-	1	-	-	-	2	7
1989	2	-	2	2	-	-	-	-	-	-	-	1	7
1990	2	-	2	-	2	2	1	1	-	2	-	2	14
1991	2	2	2	2	2	-	-	-	-	-	-	-	10
1992	2	2	2	-	-	-	-	-	-	-	-	2	8
1993	2	2	2	2	2	2	-	1	-	2	-	2	17
1994	2	2	-	2	2	-	-	-	-	-	2	2	12
1995	2	2	2	2	-	1	-	-	-	-	-	-	9
1996	2	2	2	2	2	-	2	-	-	-	-	2	14
1997	2	2	98	2	2	2	-	-	-	-	-	2	110
1998	2	2	2	2	1	1	-	-	-	-	-	2	12
1999	2	2	2	2	2	-	2	-	-	-	-	2	14
2000	2	2	2	2	2	-	-	-	-	-	-	2	12
2001	2	2	2	2	2	-	1	1	-	2	-	2	16
2002	2	-	2	2	2	-	-	-	-	-	1	2	11
2003	2	2	2	2	2	-	-	-	-	-	-	-	12
Average	6	10	18	3	2	0	1	0	0	0	2	3	46
Minimum	2	0	0	0	0	0	0	0	0	0	0	0	6
Maximum	166	249	270	93	17	2	2	2	2	2	89	148	655

Table 15. Article 21 Deliveries for Future Conditions Interpolated to 2031 Climate Change

SWP Article 21 Deliveries (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										-	-	2	
1922	2	2	2	2	2	2	1	1	-	-	-	2	16
1923	2	-	2	2	2	-	2	1	1	1	-	2	15
1924	2	2	-	-	-	1	1	1	-	1	2	2	12
1925	19	61	97	49	10	-	-	2	1	2	1	2	244
1926	2	2	-	2	-	-	-	-	-	-	1	1	8
1927	2	2	24	2	1	1	1	-	-	-	-	2	36
1928	2	2	2	2	1	2	-	-	-	-	-	-	11
1929	2	2	2	2	-	-	-	-	-	-	-	2	10
1930	2	2	2	2	1	-	-	-	-	-	1	1	11
1931	2	2	2	-	-	-	-	-	-	-	-	1	7
1932	2	2	38	-	2	-	-	-	-	1	-	1	46
1933	2	78	53	4	2	-	-	-	-	-	0	1	140
1934	2	2	-	-	-	-	-	-	-	-	2	2	8
1935	2	1	2	2	1	-	-	-	-	-	-	-	8
1936	2	2	2	2	2	-	1	-	1	1	-	2	15
1937	2	2	78	2	1	-	-	1	-	1	2	2	91
1938	2	2	2	2	-	-	-	1	-	-	0	1	10
1939	2	-	2	1	2	-	-	-	-	-	-	2	9
1940	2	2	2	2	2	1	2	-	-	-	-	1	14
1941	1	1	1	1	1	-	1	-	-	-	-	2	8
1942	2	2	2	2	2	2	1	1	-	-	-	2	16
1943	2	2	2	2	2	1	2	-	-	-	-	2	15
1944	2	2	2	2	2	-	-	-	-	-	2	2	14
1945	2	4	251	2	1	-	2	2	0	1	2	2	271
1946	2	2	2	2	2	-	2	1	1	2	1	2	19
1947	2	2	2	2	1	-	-	-	-	-	1	1	11
1948	2	-	2	2	2	2	-	-	-	-	-	1	11
1949	2	2	2	2	1	-	-	-	-	1	2	2	14
1950	2	2	2	2	2	-	-	1	1	2	2	2	17
1951	2	90	213	2	2	2	2	-	-	-	-	1	314
1952	1	1	1	1	1	1	-	1	-	-	-	1	8
1953	2	2	2	2	2	2	1	1	0	-	-	2	16
1954	2	2	2	2	1	2	-	-	-	-	-	1	12
1955	2	-	1	2	2	-	-	-	-	2	-	2	11
1956	145	244	222	2	2	0	1	1	-	-	-	2	618
1957	2	2	2	2	2	-	1	-	-	2	2	2	17
1958	2	2	2	2	1	-	-	1	-	-	-	1	11
1959	2	2	2	2	2	-	-	-	-	-	1	1	12
1960	2	2	2	-	2	-	-	-	-	1	2	2	13
1961	2	24	65	-	2	-	-	-	-	-	-	-	93
1962	2	34	31	2	1	-	-	-	-	-	-	-	70
1963	2	2	2	2	2	-	2	-	0	-	1	2	15
1964	2	2	1	2	2	1	-	-	-	-	0	2	12

Table 15 (cont'd). Article 21 Deliveries for Future Conditions Interpolated to 2031 Climate Change

SWP Article 21 Deliveries (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1965	2	2	2	2	2	-	2	-	-	-	-	2	14
1966	2	2	2	2	-	-	-	0	-	1	2	2	13
1967	2	2	2	2	2	2	0	2	1	-	-	2	17
1968	2	2	2	2	2	-	-	-	-	-	-	1	11
1969	1	27	58	1	-	-	-	1	-	-	0	1	90
1970	2	2	2	2	2	2	2	-	-	-	-	2	16
1971	2	2	2	2	2	1	1	1	-	-	-	2	15
1972	2	2	2	2	2	2	-	-	1	1	2	2	18
1973	2	2	2	2	2	-	2	1	1	-	2	2	18
1974	2	2	2	2	2	1	1	0	-	-	-	2	14
1975	2	2	2	2	2	1	1	1	1	0	-	2	16
1976	2	2	2	2	2	-	-	-	-	-	-	-	10
1977	2	-	-	-	1	-	-	-	-	-	1	1	4
1978	1	1	1	1	1	-	-	-	-	-	-	1	6
1979	2	2	2	2	2	-	-	-	0	-	-	-	10
1980	1	11	72	1	1	-	1	-	-	-	-	2	88
1981	2	2	2	2	2	-	-	-	-	-	1	2	13
1982	2	2	29	52	-	-	1	1	-	-	1	1	89
1983	1	1	44	1	-	-	-	-	-	2	89	152	291
1984	166	247	232	2	2	1	2	-	-	-	1	2	655
1985	2	2	2	2	1	-	-	-	-	-	-	-	9
1986	1	8	30	1	1	-	1	-	-	-	-	1	43
1987	2	2	2	-	2	-	1	1	-	-	-	2	11
1988	2	-	-	2	-	-	-	1	-	-	1	2	8
1989	2	-	2	2	-	-	-	-	-	-	-	1	7
1990	2	-	2	-	2	1	1	1	-	1	1	2	13
1991	2	2	2	2	2	-	-	-	-	-	-	-	10
1992	2	2	2	1	-	-	-	-	-	-	-	2	9
1993	2	2	2	2	2	2	-	1	-	1	-	1	15
1994	2	2	1	2	2	-	-	-	-	-	1	1	11
1995	1	1	1	1	-	1	-	-	-	-	0	-	5
1996	2	2	2	2	2	1	1	-	-	-	-	2	14
1997	2	2	57	2	2	2	1	-	-	-	-	1	69
1998	1	1	1	1	1	1	-	-	-	-	1	2	8
1999	2	2	2	2	2	1	2	-	-	-	-	2	15
2000	2	2	2	2	2	-	1	-	-	-	-	2	13
2001	2	2	2	2	2	-	1	1	-	2	1	2	16
2002	2	4	61	2	2	-	-	-	-	-	1	2	73
2003	2	2	2	2	2	-	1	-	-	-	-	-	13
Average	6	12	22	3	1	0	1	0	0	0	2	3	50
Minimum	1	0	0	0	0	0	0	0	0	0	0	0	4
Maximum	166	247	251	52	10	2	2	2	1	2	89	152	655

SWP Exports from the Sacramento-San Joaquin Delta

Tables 16 through 17 show the results for the Future Conditions study without climate change, the Future Conditions with climate change in 2050, and Future Conditions with climate change interpolated to 2031.

Table 16. SWP Exports for Future Conditions without Climate Change

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										304	212	442	
1922	218	176	266	60	60	361	411	411	397	227	151	263	3,001
1923	215	220	172	55	43	170	411	363	265	257	191	228	2,590
1924	109	121	18	54	34	42	407	53	86	152	168	293	1,537
1925	207	129	219	53	54	63	66	321	250	168	190	169	1,889
1926	192	94	18	65	60	131	373	294	255	229	397	222	2,330
1927	150	212	257	42	43	160	411	349	373	186	136	436	2,755
1928	211	123	222	56	43	148	379	347	331	197	131	311	2,499
1929	202	184	154	95	64	39	139	18	96	139	48	220	1,398
1930	146	138	143	71	71	85	325	233	244	154	119	114	1,843
1931	139	182	49	18	31	38	274	53	86	138	99	441	1,548
1932	203	256	170	18	43	51	84	401	272	208	140	198	2,044
1933	200	190	128	42	43	50	169	61	92	172	134	352	1,633
1934	200	171	76	18	18	18	18	25	84	108	225	251	1,212
1935	208	159	140	42	43	216	403	269	273	246	193	308	2,500
1936	130	468	410	55	43	178	411	314	320	272	166	309	3,076
1937	306	472	465	73	79	163	411	292	287	262	397	416	3,623
1938	470	472	465	140	380	397	411	411	214	332	18	354	4,064
1939	207	187	145	47	56	50	407	407	262	194	136	209	2,307
1940	157	189	299	58	43	143	379	352	327	205	78	261	2,491
1941	242	472	462	77	78	224	411	411	361	170	18	260	3,186
1942	308	285	281	64	72	228	411	411	365	172	18	246	2,861
1943	370	328	465	69	49	232	400	350	378	184	18	349	3,192
1944	209	210	137	52	43	106	388	323	213	189	366	432	2,668
1945	209	232	381	45	43	56	411	367	293	290	382	324	3,033
1946	253	247	270	42	43	72	411	392	284	290	254	350	2,908
1947	208	194	80	51	44	92	411	352	287	254	265	289	2,527
1948	121	21	146	42	43	153	411	375	349	271	198	262	2,392
1949	130	206	107	42	43	95	411	407	191	158	123	151	2,064
1950	134	141	201	42	43	66	411	326	335	302	397	472	2,870
1951	448	472	383	42	43	68	367	346	397	196	234	241	3,237
1952	281	219	465	87	139	352	411	411	397	189	18	437	3,406
1953	193	211	213	50	51	111	411	411	397	127	18	358	2,551
1954	126	139	204	42	43	152	354	339	397	205	227	432	2,660
1955	219	173	140	49	46	53	411	220	175	162	230	381	2,259
1956	523	358	387	49	47	235	411	411	379	168	18	365	3,351
1957	202	104	165	51	50	62	403	346	321	402	123	228	2,457
1958	155	225	465	135	105	307	411	411	397	218	18	379	3,226
1959	136	159	208	64	55	94	411	346	242	250	187	195	2,347
1960	197	126	141	18	72	82	408	355	274	159	272	373	2,477
1961	202	113	193	51	46	37	411	346	264	148	99	429	2,339
1962	171	171	223	42	43	42	410	330	269	411	397	218	2,727
1963	153	155	217	42	43	127	411	359	397	185	299	314	2,702
1964	208	160	145	43	43	29	411	331	271	199	315	240	2,395
1965	336	324	389	54	43	127	409	411	393	112	228	461	3,287

Table 16 (cont'd). SWP Exports for Future Conditions without Climate Change

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1966	239	218	173	42	43	95	399	346	272	239	344	240	2,650
1967	183	200	254	116	112	397	411	411	299	290	18	387	3,078
1968	212	131	204	66	58	94	404	359	285	261	241	433	2,748
1969	273	472	249	158	380	397	411	411	211	358	18	252	3,590
1970	523	287	290	42	43	105	411	350	393	162	330	242	3,178
1971	202	185	224	52	47	153	411	411	280	235	18	433	2,651
1972	197	104	142	48	44	92	411	351	260	235	397	232	2,513
1973	177	240	258	42	43	162	411	411	253	269	397	271	2,934
1974	271	215	292	53	43	203	411	411	397	265	18	432	3,011
1975	206	175	320	51	43	220	411	411	397	298	18	399	2,949
1976	188	163	172	74	50	38	351	268	210	202	168	143	2,027
1977	174	46	24	18	37	18	18	43	86	58	100	240	862
1978	177	286	395	97	85	270	411	411	397	180	95	364	3,168
1979	240	283	308	46	65	114	411	366	291	297	325	434	3,180
1980	418	380	236	56	53	253	411	411	272	212	18	435	3,155
1981	207	188	138	67	61	90	411	401	265	238	397	225	2,688
1982	229	472	465	364	146	273	411	411	397	411	397	472	4,448
1983	444	177	191	197	245	301	328	411	397	411	397	453	3,952
1984	377	355	384	46	43	112	393	411	397	221	397	433	3,569
1985	210	195	168	57	54	95	411	406	274	273	306	350	2,799
1986	130	460	255	91	88	262	411	411	222	178	18	353	2,879
1987	201	184	133	18	70	88	376	36	127	88	111	220	1,652
1988	144	26	89	65	50	38	326	18	78	93	195	182	1,304
1989	167	46	66	58	43	132	411	407	232	248	191	283	2,284
1990	188	129	56	18	49	38	343	18	135	97	80	86	1,237
1991	18	94	67	42	43	69	337	22	56	126	80	80	1,034
1992	184	94	138	42	18	78	47	38	127	103	78	262	1,209
1993	191	337	228	42	43	206	411	351	358	215	18	429	2,829
1994	194	184	134	44	56	38	407	408	193	187	147	268	2,260
1995	181	213	465	99	380	370	411	411	397	118	18	230	3,293
1996	172	437	404	55	64	197	411	411	397	90	31	472	3,141
1997	523	472	448	42	43	143	367	411	397	137	58	433	3,474
1998	184	472	465	110	129	397	411	411	397	411	397	246	4,030
1999	250	388	282	49	43	167	411	411	346	130	18	366	2,861
2000	139	283	317	42	43	167	370	351	397	155	18	364	2,646
2001	210	167	166	51	44	87	390	20	175	78	218	242	1,848
2002	162	193	154	42	43	84	411	394	231	250	90	235	2,289
2003	185	184	201	42	43	218	392	341	282				2,846
Average	222	228	235	62	68	146	370	321	282	212	173	312	2,631
Minimum	18	21	18	18	18	18	18	18	56	58	18	80	862
Maximum	523	472	465	364	380	397	411	411	397	411	397	472	4,448

Table 17. SWP Exports for Future Conditions with 2050 Climate Change

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										268	18	442	
1922	217	168	264	55	47	211	411	288	243	203	83	305	2,495
1923	250	97	164	69	57	127	351	411	271	231	178	179	2,385
1924	199	121	18	18	60	45	240	18	73	64	173	260	1,289
1925	200	129	198	157	160	18	64	245	240	172	184	136	1,903
1926	195	94	18	100	75	79	236	320	183	193	397	227	2,117
1927	150	224	215	69	61	118	391	363	374	207	178	439	2,789
1928	212	127	158	64	60	99	411	352	304	172	231	239	2,429
1929	201	181	149	73	26	50	185	23	78	96	73	272	1,407
1930	145	135	143	53	56	84	258	314	339	143	127	98	1,895
1931	198	124	56	18	18	34	120	67	82	17	123	335	1,192
1932	213	239	183	18	109	18	216	278	112	136	130	115	1,767
1933	213	193	127	57	63	23	83	58	77	172	134	300	1,500
1934	195	141	65	18	18	18	60	0	64	54	232	62	927
1935	213	109	140	156	126	143	284	317	286	163	291	433	2,661
1936	128	284	225	64	51	151	341	313	318	144	136	316	2,471
1937	116	472	465	88	83	155	311	317	292	79	397	346	3,121
1938	347	472	465	129	124	227	411	407	306	149	23	366	3,426
1939	194	188	90	26	43	50	383	350	124	159	125	234	1,966
1940	154	191	275	117	80	145	369	367	397	174	63	243	2,575
1941	230	328	457	76	59	172	411	345	236	121	20	287	2,742
1942	257	252	328	65	53	175	411	406	307	129	18	248	2,649
1943	264	246	465	94	59	174	367	363	283	134	26	357	2,832
1944	148	208	136	62	57	39	305	332	151	35	336	373	2,182
1945	209	215	353	77	78	98	351	327	327	224	307	259	2,825
1946	324	179	271	73	79	112	408	406	342	202	230	320	2,946
1947	215	188	73	74	73	88	277	22	147	120	258	60	1,595
1948	124	17	146	84	77	150	314	382	397	204	166	249	2,310
1949	178	183	106	71	70	90	323	279	173	127	144	49	1,793
1950	132	142	197	93	75	98	331	324	276	263	397	380	2,708
1951	401	416	346	67	57	92	393	365	397	185	115	252	3,086
1952	272	210	354	92	105	193	411	407	386	105	28	441	3,004
1953	166	200	215	52	51	109	411	407	311	98	18	370	2,408
1954	127	136	199	101	100	145	376	353	397	174	152	432	2,692
1955	218	134	124	95	94	18	228	55	171	104	199	472	1,912
1956	523	356	383	53	49	135	411	406	299	142	18	375	3,150
1957	204	102	73	61	58	94	411	407	290	207	356	226	2,489
1958	158	221	442	110	88	192	411	334	267	135	27	403	2,788
1959	139	150	226	50	43	90	411	406	252	210	127	276	2,380
1960	197	126	139	18	71	79	397	389	151	50	262	371	2,250
1961	201	111	143	42	43	38	196	111	214	98	217	309	1,723
1962	192	190	221	100	100	87	344	379	266	366	311	216	2,772
1963	151	156	202	68	52	152	411	368	367	212	237	394	2,770
1964	209	158	95	18	54	50	394	341	244	100	200	270	2,133

Table 17 (cont'd). SWP Exports for Future Conditions with 2050 Climate Change

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1965	278	311	364	97	72	146	379	356	320	80	112	442	2,957
1966	224	193	132	51	51	91	411	391	282	88	341	254	2,509
1967	180	197	218	92	77	210	411	407	397	329	37	411	2,966
1968	209	129	204	51	44	89	411	406	315	158	258	433	2,707
1969	308	348	223	157	156	362	411	283	242	172	18	256	2,936
1970	523	253	295	42	43	103	411	334	249	154	204	253	2,864
1971	213	185	152	68	65	137	410	372	249	141	18	438	2,448
1972	200	100	131	94	92	87	411	329	270	202	397	232	2,545
1973	178	233	239	67	63	145	410	375	310	295	397	253	2,965
1974	217	192	219	66	50	164	411	411	336	187	18	438	2,709
1975	209	133	301	66	49	117	411	381	397	411	18	433	2,926
1976	193	184	169	74	72	42	396	232	272	92	142	183	2,051
1977	18	41	37	18	27	33	101	18	192	43	18	214	760
1978	174	263	291	115	94	171	393	407	294	182	264	148	2,796
1979	238	227	261	50	56	97	345	313	316	194	356	434	2,887
1980	289	485	332	49	43	178	408	357	347	199	23	434	3,144
1981	208	188	137	51	48	88	407	336	135	102	397	225	2,322
1982	231	246	465	18	101	173	411	407	379	411	397	472	3,711
1983	523	417	192	158	163	382	375	411	397	383	397	454	4,252
1984	377	355	384	42	43	114	407	365	143	237	332	435	3,234
1985	211	189	167	79	73	50	411	406	243	176	203	338	2,546
1986	135	281	465	124	77	162	408	360	261	161	21	348	2,803
1987	206	184	95	18	43	88	173	18	107	97	24	219	1,272
1988	144	17	42	66	38	48	209	18	70	64	198	143	1,057
1989	189	42	65	48	43	131	336	352	334	245	201	193	2,179
1990	187	125	53	18	47	50	329	18	104	75	109	97	1,212
1991	18	72	64	45	46	79	18	18	130	3	77	119	689
1992	65	92	138	42	36	18	40	0	64	85	37	322	939
1993	194	221	229	42	43	165	349	357	289	114	183	97	2,283
1994	192	181	94	44	54	38	411	377	397	215	197	279	2,479
1995	203	194	465	90	43	208	411	411	261	195	18	233	2,732
1996	175	372	417	53	43	161	408	375	353	74	21	472	2,924
1997	523	472	446	42	43	158	411	389	288	132	57	433	3,394
1998	183	472	465	119	98	310	411	411	397	329	181	259	3,635
1999	245	321	284	62	53	157	408	411	367	139	18	379	2,844
2000	142	201	260	53	45	149	380	366	397	149	18	376	2,536
2001	210	166	161	76	74	82	98	18	161	18	211	243	1,518
2002	161	155	147	65	73	83	389	374	132	223	187	328	2,317
2003	153	181	194	72	76	127	404	363	317				2,615
Average	213	206	221	69	66	118	336	301	260	162	165	298	2,416
Minimum	18	17	18	18	18	18	18	0	64	3	18	49	689
Maximum	523	485	465	158	163	382	411	411	397	411	397	472	4,252

Table 18. SWP Exports for Future Conditions Interpolated to 2031 Climate Change

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1921										286	113	442	
1922	217	172	265	57	53	284	411	348	318	215	116	285	2,742
1923	233	157	168	62	50	148	380	388	268	244	184	203	2,485
1924	155	121	18	36	47	44	321	35	79	107	171	276	1,410
1925	203	129	208	106	108	40	65	282	245	170	187	152	1,896
1926	194	94	18	83	68	104	303	307	218	211	397	225	2,221
1927	150	218	235	56	52	138	401	356	374	197	158	438	2,772
1928	212	125	189	60	52	123	395	350	317	184	182	274	2,463
1929	201	182	151	84	45	45	163	21	87	117	61	247	1,403
1930	145	136	143	62	63	84	291	275	293	148	123	106	1,870
1931	169	152	53	18	24	36	195	60	84	76	111	387	1,365
1932	208	247	177	18	77	34	152	338	190	171	135	155	1,902
1933	207	192	127	50	53	36	125	59	84	172	134	325	1,565
1934	197	156	70	18	18	18	40	12	74	80	229	154	1,066
1935	211	133	140	100	86	179	342	294	280	203	243	372	2,583
1936	129	374	315	60	47	164	375	313	319	206	151	313	2,766
1937	209	472	465	81	81	159	360	305	290	168	397	380	3,366
1938	407	472	465	134	249	310	411	409	261	238	21	360	3,737
1939	200	188	117	36	49	50	395	378	191	176	130	222	2,132
1940	155	190	287	88	62	144	374	360	363	189	70	252	2,534
1941	236	398	459	76	68	197	411	377	297	145	19	274	2,958
1942	282	268	305	65	62	201	411	408	335	150	18	247	2,752
1943	316	286	465	82	54	202	383	357	329	158	22	353	3,007
1944	178	209	136	57	50	72	345	328	181	110	351	402	2,419
1945	209	223	367	61	61	78	380	346	310	256	344	291	2,926
1946	289	212	271	58	61	93	409	399	314	245	242	335	2,927
1947	212	191	76	63	59	90	342	183	215	185	261	172	2,049
1948	123	19	146	64	60	151	361	379	374	237	182	255	2,350
1949	155	194	106	57	57	92	366	341	182	142	134	99	1,925
1950	133	142	199	68	59	82	370	325	305	282	397	425	2,787
1951	424	443	364	55	50	80	380	356	397	190	173	247	3,160
1952	276	214	408	90	122	270	411	409	391	146	23	439	3,200
1953	179	205	214	51	51	110	411	409	353	112	18	364	2,478
1954	127	137	201	72	72	148	365	346	397	189	189	432	2,676
1955	218	153	132	73	71	35	317	135	173	132	214	428	2,081
1956	523	357	385	51	48	184	411	408	338	155	18	370	3,248
1957	203	103	118	56	54	78	407	377	305	302	242	227	2,473
1958	157	223	453	122	96	248	411	372	330	175	23	391	3,001
1959	138	154	217	57	49	92	411	377	247	229	156	237	2,364
1960	197	126	140	18	71	80	402	372	211	103	267	372	2,361
1961	201	112	167	46	44	38	301	225	238	122	160	367	2,023
1962	182	181	222	72	72	65	376	355	267	388	353	217	2,750
1963	152	156	209	55	48	140	411	364	382	199	267	355	2,737
1964	209	159	119	30	49	40	402	336	257	148	256	255	2,261
1965	306	317	376	76	58	137	394	383	356	96	169	451	3,118

Table 18 (cont'd). SWP Exports for Future Conditions Interpolated to 2031 Climate Change

SWP Exports from the Delta (TAF)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1966	231	205	152	47	47	93	405	369	277	162	342	247	2,578
1967	181	198	236	104	94	301	411	409	349	310	28	399	3,021
1968	210	130	204	58	51	91	408	383	300	208	250	433	2,727
1969	291	408	236	157	265	379	411	345	227	263	18	254	3,255
1970	523	270	293	42	43	104	411	342	319	158	265	248	3,017
1971	208	185	187	60	56	145	410	391	264	187	18	436	2,547
1972	199	102	136	72	69	89	411	340	265	218	397	232	2,529
1973	178	236	248	55	53	153	410	393	282	282	397	262	2,950
1974	243	203	255	60	47	183	411	411	366	225	18	435	2,856
1975	208	153	310	59	46	167	411	396	397	356	18	416	2,937
1976	191	174	170	74	61	40	374	250	242	146	155	164	2,039
1977	94	43	31	18	32	26	61	30	140	50	58	227	810
1978	175	274	342	106	90	219	402	409	344	181	182	253	2,977
1979	239	254	284	48	60	105	377	339	304	244	341	434	3,030
1980	352	434	285	52	48	215	409	383	310	205	21	434	3,149
1981	208	188	137	59	54	89	409	368	198	168	397	225	2,500
1982	230	356	465	187	123	222	411	409	388	411	397	472	4,070
1983	485	300	192	177	203	343	352	411	397	397	397	454	4,106
1984	377	355	384	44	43	113	400	387	267	229	364	434	3,397
1985	211	192	167	68	64	72	411	406	258	223	253	344	2,669
1986	133	368	363	108	82	211	409	385	242	169	20	350	2,840
1987	204	184	114	18	56	88	272	27	117	93	66	219	1,457
1988	144	21	65	66	44	43	266	18	74	78	197	162	1,177
1989	178	44	65	53	43	131	373	379	284	246	196	237	2,230
1990	187	127	54	18	48	44	336	18	119	86	95	92	1,224
1991	18	83	65	44	45	74	173	20	94	63	78	100	857
1992	123	93	138	42	27	47	43	19	95	94	57	293	1,071
1993	193	278	229	42	43	185	379	354	323	163	103	259	2,549
1994	193	182	113	44	55	38	409	392	298	201	173	274	2,372
1995	192	203	465	94	207	287	411	411	327	157	18	232	3,005
1996	174	404	411	54	53	179	409	393	374	82	26	472	3,030
1997	523	472	447	42	43	151	390	400	341	134	57	433	3,433
1998	183	472	465	115	113	352	411	411	397	369	286	253	3,827
1999	247	354	283	56	48	162	409	411	357	135	18	373	2,852
2000	141	241	288	48	44	158	375	359	397	152	18	370	2,590
2001	210	166	163	64	59	84	240	19	168	47	214	243	1,679
2002	161	174	150	54	58	83	400	384	180	236	140	283	2,303
2003	169	182	197	57	60	171	398	352	300				2,728
Average	217	217	228	65	67	131	352	311	271	186	169	305	2,521
Minimum	18	19	18	18	18	18	40	12	74	47	18	92	810
Maximum	523	472	465	187	265	379	411	411	397	411	397	472	4,106

Individual Contractor Table A Deliveries – Existing Conditions

The tables on the following pages show the Table A deliveries for each State Water Contractor for the Existing Conditions scenario.

ALAMEDA COUNTY FC&WCD-ZONE 7: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (80.62 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (80.62 taf)
1922	38	0	38	47%	1983	73	0%	90%
1923	40	22	63	78%	1939	72	1%	90%
1924	22	11	34	42%	1938	72	2%	89%
1925	35	1	36	45%	1952	71	4%	88%
1926	39	3	43	53%	1999	69	5%	85%
1927	38	4	41	51%	1942	69	6%	85%
1928	42	22	64	80%	1998	69	7%	85%
1929	21	8	29	36%	1959	68	9%	85%
1930	28	0	29	36%	1943	68	10%	85%
1931	27	1	28	35%	1996	68	11%	84%
1932	31	1	32	39%	1997	68	12%	84%
1933	32	2	34	42%	1971	66	14%	82%
1934	18	3	20	25%	1953	66	15%	82%
1935	36	0	36	45%	1970	65	16%	80%
1936	37	17	54	67%	1928	64	17%	80%
1937	46	17	63	78%	1985	64	19%	79%
1938	51	21	72	89%	1980	64	20%	79%
1939	42	30	72	90%	1976	63	21%	78%
1940	38	7	46	56%	1937	63	22%	78%
1941	45	11	56	69%	1937	63	23%	78%
1942	42	27	69	85%	1969	63	25%	78%
1943	43	25	68	85%	1968	63	26%	78%
1944	41	16	57	70%	1923	63	27%	78%
1945	38	4	42	52%	1966	62	28%	77%
1946	39	23	62	77%	1946	62	30%	77%
1947	36	15	51	64%	1974	61	31%	76%
1948	38	19	57	71%	1984	61	32%	75%
1949	42	4	46	57%	1963	61	33%	75%
1950	38	8	45	56%	1975	60	35%	75%
1951	40	2	42	52%	1954	59	36%	73%
1952	47	24	71	88%	1948	57	37%	71%
1953	38	28	66	82%	1944	57	38%	70%
1954	43	16	59	73%	1994	56	40%	70%
1955	33	5	38	47%	1981	56	41%	70%
1956	45	1	47	58%	1941	56	42%	69%
1957	40	12	52	64%	2000	55	43%	69%
1958	51	4	54	67%	1982	55	44%	68%
1959	40	29	68	85%	1958	54	46%	67%
1960	40	4	44	54%	1936	54	47%	67%
1961	44	4	47	59%	1986	54	48%	67%
1962	37	4	41	50%	1967	52	49%	64%
1963	42	18	61	75%	1957	52	51%	64%
1964	42	7	49	61%	1947	51	52%	64%

ALAMEDA COUNTY FC&WCD-ZONE 7 (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (80.62 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (80.62 TAF)
1965	37	8	46	57%	1995	51	53%	63%
1966	40	22	62	77%	1964	49	54%	61%
1967	40	12	52	64%	2003	49	56%	60%
1968	39	24	63	78%	1961	47	57%	59%
1969	51	12	63	78%	1956	47	58%	58%
1970	40	25	65	80%	1978	46	59%	57%
1971	42	24	66	82%	1972	46	60%	57%
1972	42	4	46	57%	1949	46	62%	57%
1973	36	8	44	55%	1965	46	63%	57%
1974	42	19	61	76%	1940	46	64%	56%
1975	35	25	60	75%	1950	45	65%	56%
1976	42	21	63	78%	1973	44	67%	55%
1977	5	4	9	11%	1960	44	68%	54%
1978	46	0	46	57%	1926	43	69%	53%
1979	40	23	63	78%	1945	42	70%	52%
1980	47	16	64	79%	1951	42	72%	52%
1981	41	16	56	70%	1927	41	73%	51%
1982	51	4	55	68%	1993	41	74%	51%
1983	51	22	73	90%	1962	41	75%	50%
1984	40	21	61	75%	1989	39	77%	48%
1985	40	24	64	79%	1987	38	78%	48%
1986	44	10	54	67%	1955	38	79%	47%
1987	34	5	38	48%	2002	38	80%	47%
1988	13	3	17	20%	1922	38	81%	47%
1989	38	0	39	48%	1935	36	83%	45%
1990	10	23	32	40%	1925	36	84%	45%
1991	27	0	27	33%	2001	36	85%	45%
1992	19	1	19	24%	1924	34	86%	42%
1993	41	0	41	51%	1933	34	88%	42%
1994	37	19	56	70%	1990	32	89%	40%
1995	47	4	51	63%	1932	32	90%	39%
1996	40	28	68	84%	1929	29	91%	36%
1997	44	24	68	84%	1930	29	93%	36%
1998	49	19	69	85%	1931	28	94%	35%
1999	40	29	69	85%	1991	27	95%	33%
2000	39	16	55	69%	1934	20	96%	25%
2001	22	14	36	45%	1992	19	98%	24%
2002	38	0	38	47%	1988	17	99%	20%
2003	28	21	49	60%	1977	9	100%	11%
Average	38	13	50	63%		50		63%
Maximum	51	30	73	90%		73		90%
Minimum	5	0	9	11%		9		11%

Technical Addendum to the SWP Delivery Reliability Report 2011

ALAMEDA COUNTY WD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (42.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (42.0 TAF)
1922	28	0	28	68%	1938	41	0%	97%
1923	26	3	29	68%	1998	40	1%	96%
1924	12	1	13	31%	1969	40	2%	94%
1925	20	0	20	48%	1952	38	4%	91%
1926	23	0	23	54%	1983	38	5%	91%
1927	28	0	28	67%	1958	38	6%	91%
1928	25	3	28	67%	1982	38	7%	90%
1929	11	1	12	28%	1980	38	9%	90%
1930	15	0	15	37%	1937	37	10%	87%
1931	15	0	15	35%	1997	36	11%	86%
1932	17	0	17	41%	1943	36	12%	85%
1933	18	0	18	42%	1941	36	14%	85%
1934	10	0	10	23%	1995	36	15%	85%
1935	27	0	27	64%	1942	35	16%	84%
1936	26	3	29	69%	1978	35	17%	83%
1937	35	2	37	87%	1974	34	19%	82%
1938	38	3	41	97%	1956	34	20%	81%
1939	25	4	29	70%	1986	34	21%	81%
1940	26	1	27	63%	1996	34	22%	81%
1941	34	2	36	85%	1999	34	23%	80%
1942	32	4	35	84%	1984	33	25%	79%
1943	33	3	36	85%	1967	31	26%	75%
1944	23	3	27	64%	1993	31	27%	73%
1945	28	0	28	68%	1970	30	28%	72%
1946	26	3	29	69%	1951	30	30%	72%
1947	26	2	28	67%	1951	30	31%	72%
1948	22	2	24	58%	1953	30	32%	71%
1949	25	0	25	60%	1975	30	33%	71%
1950	22	1	22	53%	1939	29	35%	70%
1951	30	0	30	72%	1968	29	36%	69%
1952	35	3	38	91%	2000	29	37%	69%
1953	26	4	30	71%	1936	29	38%	69%
1954	25	2	27	64%	1946	29	40%	69%
1955	19	0	19	45%	1985	29	41%	69%
1956	34	0	34	81%	1965	29	42%	69%
1957	23	4	26	62%	1923	29	43%	68%
1958	38	0	38	91%	1966	29	44%	68%
1959	23	4	27	63%	1989	29	46%	68%
1960	23	0	23	54%	1922	28	47%	68%
1961	25	0	25	59%	1945	28	48%	68%
1962	26	0	26	63%	2002	28	49%	68%
1963	25	2	28	66%	1928	28	51%	67%
1964	25	0	26	62%	1927	28	52%	67%

ALAMEDA COUNTY WD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (42.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (42.0 TAF)
1965	28	1	29	69%	1947	28	53%	67%
1966	26	3	29	68%	1963	28	54%	66%
1967	30	1	31	75%	1971	27	56%	65%
1968	26	3	29	69%	1935	27	57%	64%
1969	38	2	40	94%	1954	27	58%	64%
1970	30	0	30	72%	1973	27	59%	64%
1971	24	3	27	65%	1976	27	60%	64%
1972	25	0	25	60%	1944	27	62%	64%
1973	26	1	27	64%	1959	27	63%	63%
1974	32	2	34	82%	1940	27	64%	63%
1975	26	3	30	71%	1981	26	65%	63%
1976	24	3	27	64%	1962	26	67%	63%
1977	3	0	3	7%	1957	26	68%	62%
1978	35	0	35	83%	1964	26	69%	62%
1979	30	0	30	72%	1972	25	70%	60%
1980	35	2	38	90%	1949	25	72%	60%
1981	23	3	26	63%	1961	25	73%	59%
1982	38	0	38	90%	1948	24	74%	58%
1983	38	0	38	91%	1994	24	75%	57%
1984	30	3	33	79%	1960	23	77%	54%
1985	26	3	29	69%	1926	23	78%	54%
1986	33	1	34	81%	1950	22	79%	53%
1987	19	2	22	52%	1987	22	80%	52%
1988	7	0	7	17%	1925	20	81%	48%
1989	29	0	29	68%	1955	19	83%	45%
1990	5	3	8	20%	1933	18	84%	42%
1991	14	0	14	34%	1932	17	85%	41%
1992	10	0	10	24%	2003	16	86%	37%
1993	31	0	31	73%	1930	15	88%	37%
1994	21	2	24	57%	1931	15	89%	35%
1995	36	0	36	85%	1991	14	90%	34%
1996	30	4	34	81%	2001	13	91%	32%
1997	33	3	36	86%	1924	13	93%	31%
1998	37	3	40	96%	1929	12	94%	28%
1999	30	4	34	80%	1992	10	95%	24%
2000	26	3	29	69%	1934	10	96%	23%
2001	12	2	13	32%	1990	8	98%	20%
2002	28	0	28	68%	1988	7	99%	17%
2003	14	1	16	37%	1977	3	100%	7%
Average	25	1	27	64%		27		64%
Maximum	38	4	41	97%		41		97%
Minimum	3	0	3	7%		3		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

ANTELOPE VALLEY-EAST KERN WA: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (141.4 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (141.4 TAF)
1922	53	0	53	37%	1939	141	0%	100%
1923	67	53	120	85%	1938	135	1%	95%
1924	40	24	64	45%	1928	126	2%	89%
1925	64	0	64	45%	1976	126	4%	89%
1926	71	4	75	53%	1953	124	5%	88%
1927	53	4	57	40%	1985	122	6%	86%
1928	73	53	126	89%	1959	122	7%	86%
1929	38	14	52	37%	1999	122	9%	86%
1930	51	0	51	36%	1970	122	10%	86%
1931	49	1	50	35%	1942	122	11%	86%
1932	56	0	56	40%	1952	122	12%	86%
1933	57	2	59	42%	1979	121	14%	85%
1934	32	3	35	25%	1923	120	15%	85%
1935	50	0	50	36%	1971	120	16%	85%
1936	56	29	85	60%	1996	119	17%	84%
1937	64	39	103	73%	1968	119	19%	84%
1938	71	64	135	95%	1966	118	20%	84%
1939	71	71	141	100%	1983	118	21%	83%
1940	60	13	73	51%	1997	117	22%	83%
1941	63	19	82	58%	1963	117	23%	83%
1942	59	63	122	86%	1946	113	25%	80%
1943	60	49	110	77%	1954	113	26%	80%
1944	74	28	102	72%	1948	112	27%	80%
1945	53	5	58	41%	1943	110	28%	77%
1946	61	53	113	80%	1975	108	30%	77%
1947	53	33	86	61%	1937	103	31%	73%
1948	69	43	112	80%	1998	103	32%	73%
1949	73	4	78	55%	1974	102	33%	72%
1950	69	14	82	58%	1994	102	35%	72%
1951	56	2	58	41%	1944	102	36%	72%
1952	66	56	122	86%	1980	101	37%	72%
1953	58	66	124	88%	1981	101	38%	72%
1954	77	36	113	80%	1984	101	40%	71%
1955	60	8	68	48%	1969	98	41%	69%
1956	64	2	65	46%	1957	93	42%	66%
1957	72	21	93	66%	2003	92	43%	65%
1958	71	4	75	53%	2000	91	44%	64%
1959	72	50	122	86%	1947	86	46%	61%
1960	72	4	76	54%	1936	85	47%	60%
1961	79	4	83	59%	1964	85	48%	60%
1962	54	5	59	41%	1961	83	49%	59%
1963	74	43	117	83%	1986	82	51%	58%
1964	72	13	85	60%	1950	82	52%	58%

ANTELOPE VALLEY-EAST KERN WA (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (141.4 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (141.4 TAF)
1965	52	16	68	48%	1941	82	53%	58%
1966	66	52	118	84%	1967	81	54%	57%
1967	56	25	81	57%	1949	78	56%	55%
1968	62	56	119	84%	1972	77	57%	55%
1969	71	27	98	69%	1960	76	58%	54%
1970	56	66	122	86%	1926	75	59%	53%
1971	77	43	120	85%	1982	75	60%	53%
1972	73	5	77	55%	1958	75	62%	53%
1973	53	15	68	48%	1940	73	63%	51%
1974	59	43	102	72%	1990	70	64%	50%
1975	49	59	108	77%	1995	70	65%	50%
1976	77	49	126	89%	2001	70	67%	49%
1977	9	5	14	10%	1987	69	68%	49%
1978	65	0	65	46%	1965	68	69%	48%
1979	56	65	121	85%	1973	68	70%	48%
1980	66	35	101	72%	1955	68	72%	48%
1981	74	27	101	72%	1956	65	73%	46%
1982	71	5	75	53%	1978	65	74%	46%
1983	71	47	118	83%	1924	64	75%	45%
1984	56	44	101	71%	1925	64	77%	45%
1985	66	56	122	86%	1933	59	78%	42%
1986	61	21	82	58%	1962	59	79%	41%
1987	61	8	69	49%	1951	58	80%	41%
1988	24	4	28	20%	1945	58	81%	41%
1989	53	0	53	38%	1993	57	83%	40%
1990	18	53	70	50%	1927	57	84%	40%
1991	48	0	48	34%	1932	56	85%	40%
1992	34	0	34	24%	1989	53	86%	38%
1993	57	0	57	40%	1922	53	88%	37%
1994	68	35	102	72%	2002	53	89%	37%
1995	66	4	70	50%	1929	52	90%	37%
1996	56	63	119	84%	1930	51	91%	36%
1997	61	56	117	83%	1935	50	93%	36%
1998	69	34	103	73%	1931	50	94%	35%
1999	55	66	122	86%	1991	48	95%	34%
2000	62	29	91	64%	1934	35	96%	25%
2001	40	30	70	49%	1992	34	98%	24%
2002	53	0	53	37%	1988	28	99%	20%
2003	54	38	92	65%	1977	14	100%	10%
Average	60	27	86	61%		86		61%
Maximum	79	71	141	100%		141		100%
Minimum	9	0	14	10%		14		10%

Technical Addendum to the SWP Delivery Reliability Report 2011

CASTAIC LAKE WA: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (95.2 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (95.2 TAF)
1922	49	0	49	51%	1983	85	0%	90%
1923	49	22	71	75%	1998	83	1%	87%
1924	27	12	39	41%	1952	83	2%	87%
1925	41	0	41	43%	1942	81	4%	85%
1926	46	5	51	53%	1943	81	5%	85%
1927	48	5	54	56%	1997	80	6%	84%
1928	50	22	72	76%	1939	80	7%	84%
1929	26	9	35	37%	1996	80	9%	84%
1930	34	0	34	36%	1938	79	10%	83%
1931	33	1	34	35%	1979	79	11%	83%
1932	36	0	37	39%	1937	77	12%	81%
1933	37	3	39	41%	1980	76	14%	80%
1934	22	3	25	26%	1969	76	15%	80%
1935	46	0	46	49%	1959	75	16%	79%
1936	47	17	64	67%	1953	75	17%	79%
1937	59	18	77	81%	1974	73	19%	77%
1938	65	14	79	83%	1971	73	20%	76%
1939	50	30	80	84%	1984	73	21%	76%
1940	47	9	56	59%	1985	72	22%	76%
1941	57	11	68	71%	1928	72	23%	76%
1942	54	27	81	85%	1968	72	25%	75%
1943	56	25	81	85%	1923	71	26%	75%
1944	47	16	64	67%	1966	71	27%	74%
1945	49	6	54	57%	1970	71	28%	74%
1946	48	22	70	73%	1975	71	30%	74%
1947	46	15	62	65%	1982	71	31%	74%
1948	44	19	63	66%	1958	70	32%	74%
1949	50	5	55	58%	1946	70	33%	73%
1950	44	9	53	55%	1976	70	35%	73%
1951	52	2	54	57%	1999	69	36%	72%
1952	59	24	83	87%	1963	69	37%	72%
1953	47	28	75	79%	1941	68	38%	71%
1954	50	16	67	70%	1954	67	40%	70%
1955	38	7	45	47%	1986	67	41%	70%
1956	59	2	61	64%	1995	66	42%	69%
1957	46	12	58	61%	1967	65	43%	68%
1958	65	5	70	74%	2000	64	44%	68%
1959	46	29	75	79%	1936	64	46%	67%
1960	46	5	51	54%	1944	64	47%	67%
1961	50	5	56	59%	1994	64	48%	67%
1962	46	6	52	55%	1948	63	49%	66%
1963	50	19	69	72%	1981	63	51%	66%
1964	50	9	58	61%	1947	62	52%	65%

CASTAIC LAKE WA (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (95.2 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (95.2 TAF)
1965	48	10	58	61%	1956	61	53%	64%
1966	49	22	71	74%	2003	59	54%	62%
1967	52	13	65	68%	1957	58	56%	61%
1968	48	24	72	75%	1978	58	57%	61%
1969	63	13	76	80%	1964	58	58%	61%
1970	51	19	71	74%	1965	58	59%	61%
1971	49	24	73	76%	1940	56	60%	59%
1972	50	6	55	58%	1961	56	62%	59%
1973	46	9	55	58%	1973	55	63%	58%
1974	55	19	73	77%	1972	55	64%	58%
1975	45	25	71	74%	1949	55	65%	58%
1976	49	21	70	73%	1945	54	67%	57%
1977	6	6	12	13%	1951	54	68%	57%
1978	58	0	58	61%	1927	54	69%	56%
1979	52	27	79	83%	1950	53	70%	55%
1980	59	17	76	80%	1993	53	72%	55%
1981	47	16	63	66%	1962	52	73%	55%
1982	65	6	71	74%	1960	51	74%	54%
1983	63	22	85	90%	1926	51	75%	53%
1984	52	21	73	76%	1989	49	77%	52%
1985	49	24	72	76%	1922	49	78%	51%
1986	56	11	67	70%	2002	49	79%	51%
1987	39	5	44	46%	1935	46	80%	49%
1988	16	5	21	22%	1955	45	81%	47%
1989	49	0	49	52%	1987	44	83%	46%
1990	12	23	34	36%	2001	41	84%	43%
1991	32	0	32	34%	1925	41	85%	43%
1992	23	0	23	24%	1924	39	86%	41%
1993	53	0	53	55%	1933	39	88%	41%
1994	43	20	64	67%	1932	37	89%	39%
1995	61	5	66	69%	1929	35	90%	37%
1996	52	28	80	84%	1990	34	91%	36%
1997	57	24	80	84%	1930	34	93%	36%
1998	63	20	83	87%	1931	34	94%	35%
1999	51	18	69	72%	1991	32	95%	34%
2000	48	17	64	68%	1934	25	96%	26%
2001	27	15	41	43%	1992	23	98%	24%
2002	49	0	49	51%	1988	21	99%	22%
2003	37	22	59	62%	1977	12	100%	13%
Average	47	13	60	63%		60		63%
Maximum	65	30	85	90%		85		90%
Minimum	6	0	12	13%		12		13%

Technical Addendum to the SWP Delivery Reliability Report 2011

COACHELLA VALLEY WD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (138.35 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (138.35 TAF)
1922	52	0	52	37%	1939	138	0%	100%
1923	68	52	120	87%	1938	132	1%	95%
1924	40	20	60	43%	1976	128	2%	92%
1925	67	0	67	48%	1928	127	4%	92%
1926	74	0	74	54%	1959	124	5%	90%
1927	51	0	51	37%	1953	123	6%	89%
1928	76	51	127	92%	1985	122	7%	88%
1929	37	10	47	34%	1971	122	9%	88%
1930	51	0	51	37%	1923	120	10%	87%
1931	48	0	48	35%	1999	119	11%	86%
1932	57	0	57	41%	1942	119	12%	86%
1933	59	0	59	42%	1952	119	14%	86%
1934	31	0	31	23%	1966	118	15%	86%
1935	49	0	49	36%	1968	118	16%	85%
1936	56	29	85	61%	1979	118	17%	85%
1937	63	37	100	72%	1963	118	19%	85%
1938	69	63	132	95%	1996	117	20%	84%
1939	69	69	138	100%	1983	115	21%	83%
1940	60	9	69	50%	1997	115	22%	83%
1941	61	18	80	58%	1954	114	23%	82%
1942	58	61	119	86%	1948	114	25%	82%
1943	59	48	107	77%	1946	113	26%	81%
1944	77	27	104	75%	1943	107	27%	77%
1945	52	0	52	37%	1975	106	28%	77%
1946	61	52	113	81%	1944	104	30%	75%
1947	53	30	83	60%	1994	104	31%	75%
1948	72	42	114	82%	1981	103	32%	75%
1949	76	0	76	55%	1998	101	33%	73%
1950	71	10	81	58%	1937	100	35%	72%
1951	55	0	55	40%	1974	100	36%	72%
1952	64	55	119	86%	1980	99	37%	72%
1953	59	64	123	89%	1984	98	38%	71%
1954	80	34	114	82%	1957	95	40%	69%
1955	62	3	65	47%	1969	94	41%	68%
1956	62	0	62	45%	2000	91	42%	66%
1957	75	21	95	69%	1970	88	43%	64%
1958	69	0	69	50%	1936	85	44%	61%
1959	75	49	124	90%	1947	83	46%	60%
1960	75	0	75	54%	1964	83	47%	60%
1961	82	0	82	59%	1961	82	48%	59%
1962	53	0	53	39%	1950	81	49%	58%
1963	76	41	118	85%	1941	80	51%	58%
1964	74	9	83	60%	1986	78	52%	57%

COACHELLA VALLEY WD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (138.35 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (138.35 TAF)
1965	51	12	63	46%	1967	77	53%	55%
1966	67	51	118	86%	1949	76	54%	55%
1967	55	22	77	55%	1972	75	56%	54%
1968	63	55	118	85%	1960	75	57%	54%
1969	69	25	94	68%	1926	74	58%	54%
1970	54	34	88	64%	1987	71	59%	52%
1971	80	42	122	88%	1958	69	60%	50%
1972	75	0	75	54%	1958	69	62%	50%
1973	53	11	64	46%	1990	69	63%	50%
1974	58	42	100	72%	1940	69	64%	50%
1975	48	58	106	77%	2001	67	65%	48%
1976	79	48	128	92%	1925	67	67%	48%
1977	9	0	9	7%	1955	65	68%	47%
1978	63	0	63	46%	1995	65	69%	47%
1979	55	63	118	85%	1973	64	70%	46%
1980	65	35	99	72%	1965	63	72%	46%
1981	77	27	103	75%	1978	63	73%	46%
1982	69	0	69	50%	2003	63	74%	46%
1983	69	46	115	83%	1956	62	75%	45%
1984	55	44	98	71%	1924	60	77%	43%
1985	67	55	122	88%	1933	59	78%	42%
1986	60	18	78	57%	1932	57	79%	41%
1987	63	8	71	52%	1993	56	80%	40%
1988	23	0	23	17%	1951	55	81%	40%
1989	52	0	52	38%	1962	53	83%	39%
1990	17	52	69	50%	1989	52	84%	38%
1991	47	0	47	34%	1922	52	85%	37%
1992	33	0	33	24%	1945	52	86%	37%
1993	56	0	56	40%	1945	52	88%	37%
1994	70	34	104	75%	1927	51	89%	37%
1995	65	0	65	47%	1930	51	90%	37%
1996	55	62	117	84%	1935	49	91%	36%
1997	60	55	115	83%	1931	48	93%	35%
1998	67	33	101	73%	1929	47	94%	34%
1999	54	65	119	86%	1991	47	95%	34%
2000	63	28	91	66%	1992	33	96%	24%
2001	39	28	67	48%	1934	31	98%	23%
2002	52	0	52	37%	1988	23	99%	17%
2003	26	37	63	46%	1977	9	100%	7%
Average	59	24	84	60%		84		60%
Maximum	82	69	138	100%		138		100%
Minimum	9	0	9	7%		9		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

COUNTY OF KINGS: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (9.31 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (9.31 TAF)
1922	3	0	3	37%	1939	9	0%	100%
1923	4	4	8	84%	1938	9	1%	95%
1924	3	2	4	46%	1928	8	2%	89%
1925	4	0	4	45%	1976	8	4%	88%
1926	5	0	5	53%	1953	8	5%	88%
1927	3	0	4	41%	1999	8	6%	86%
1928	5	3	8	89%	1985	8	7%	86%
1929	2	1	3	37%	1970	8	9%	86%
1930	3	0	3	36%	1942	8	10%	86%
1931	3	0	3	35%	1959	8	11%	85%
1932	4	0	4	40%	1979	8	12%	85%
1933	4	0	4	41%	1996	8	14%	84%
1934	2	0	2	25%	1923	8	15%	84%
1935	3	0	3	35%	1971	8	16%	84%
1936	4	2	6	60%	1968	8	17%	84%
1937	4	3	7	73%	1966	8	19%	83%
1938	5	4	9	95%	1997	8	20%	83%
1939	5	5	9	100%	1963	8	21%	82%
1940	4	1	5	52%	1952	8	22%	82%
1941	4	1	5	57%	1983	8	23%	82%
1942	4	4	8	86%	1954	7	25%	80%
1943	4	3	7	77%	1946	7	26%	80%
1944	5	2	7	71%	1948	7	27%	79%
1945	3	0	4	41%	1975	7	28%	78%
1946	4	3	7	80%	1943	7	30%	77%
1947	4	2	6	62%	1937	7	31%	73%
1948	4	3	7	79%	1998	7	32%	72%
1949	5	0	5	55%	1994	7	33%	72%
1950	4	1	5	59%	1980	7	35%	72%
1951	4	0	4	41%	1974	7	36%	71%
1952	4	4	8	82%	1944	7	37%	71%
1953	4	4	8	88%	1984	7	38%	71%
1954	5	2	7	80%	1981	7	40%	71%
1955	4	1	4	48%	1969	6	41%	69%
1956	4	0	4	46%	1957	6	42%	65%
1957	5	1	6	65%	2000	6	43%	64%
1958	5	0	5	54%	1947	6	44%	62%
1959	5	3	8	85%	1936	6	46%	60%
1960	5	0	5	54%	1964	6	47%	60%
1961	5	0	5	59%	2003	5	48%	59%
1962	4	0	4	42%	1961	5	49%	59%
1963	5	3	8	82%	1950	5	51%	59%
1964	5	1	6	60%	1986	5	52%	58%

COUNTY OF KINGS (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (9.31 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (9.31 TAF)
1965	3	1	5	49%	1967	5	53%	58%
1966	4	3	8	83%	1941	5	54%	57%
1967	4	2	5	58%	1949	5	56%	55%
1968	4	4	8	84%	1972	5	57%	55%
1969	5	2	6	69%	1982	5	58%	54%
1970	4	4	8	86%	1958	5	59%	54%
1971	5	3	8	84%	1958	5	60%	54%
1972	5	0	5	55%	1926	5	62%	53%
1973	4	1	5	49%	1940	5	63%	52%
1974	4	3	7	71%	1995	5	64%	50%
1975	3	4	7	78%	2001	5	65%	49%
1976	5	3	8	88%	1990	5	67%	49%
1977	1	0	1	11%	1973	5	68%	49%
1978	4	0	4	46%	1965	5	69%	49%
1979	4	4	8	85%	1987	4	70%	48%
1980	4	2	7	72%	1955	4	72%	48%
1981	5	2	7	71%	1956	4	73%	46%
1982	5	0	5	54%	1924	4	74%	46%
1983	5	3	8	82%	1978	4	75%	46%
1984	4	3	7	71%	1925	4	77%	45%
1985	4	4	8	86%	1962	4	78%	42%
1986	4	1	5	58%	1933	4	79%	41%
1987	4	1	4	48%	1951	4	80%	41%
1988	2	0	2	21%	1945	4	81%	41%
1989	4	0	4	38%	1927	4	83%	41%
1990	1	3	5	49%	1993	4	84%	40%
1991	3	0	3	34%	1932	4	85%	40%
1992	2	0	2	24%	1989	4	86%	38%
1993	4	0	4	40%	1929	3	88%	37%
1994	4	2	7	72%	1922	3	89%	37%
1995	4	0	5	50%	1922	3	90%	37%
1996	4	4	8	84%	1930	3	91%	36%
1997	4	4	8	83%	1935	3	93%	35%
1998	4	2	7	72%	1931	3	94%	35%
1999	4	4	8	86%	1991	3	95%	34%
2000	4	2	6	64%	1934	2	96%	25%
2001	3	2	5	49%	1992	2	98%	24%
2002	3	0	3	37%	1988	2	99%	21%
2003	3	2	5	59%	1977	1	100%	11%
Average	4	2	6	61%		6		61%
Maximum	5	5	9	100%		9		100%
Minimum	1	0	1	11%		1		11%

Technical Addendum to the SWP Delivery Reliability Report 2011

CRESTLINE-LAKE ARROWHEAD WA: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.8 TAF)
1922	2	0	2	41%	1939	6	0%	100%
1923	3	2	5	85%	1938	6	1%	96%
1924	2	1	2	42%	1959	5	2%	89%
1925	3	0	3	48%	1976	5	4%	89%
1926	3	0	3	54%	1928	5	5%	89%
1927	2	0	2	41%	1971	5	6%	88%
1928	3	2	5	89%	1970	5	7%	87%
1929	2	0	2	34%	1953	5	9%	87%
1930	2	0	2	37%	1952	5	10%	86%
1931	2	0	2	35%	1985	5	11%	86%
1932	2	0	2	42%	1999	5	12%	86%
1933	2	0	2	42%	1996	5	14%	86%
1934	1	0	1	23%	1942	5	15%	86%
1935	2	0	2	39%	1983	5	16%	85%
1936	2	1	4	64%	1923	5	17%	85%
1937	3	1	4	74%	1979	5	19%	85%
1938	3	2	6	96%	1966	5	20%	83%
1939	3	3	6	100%	1968	5	21%	83%
1940	3	0	3	52%	1968	5	22%	83%
1941	3	1	4	62%	1963	5	23%	83%
1942	3	2	5	86%	1943	5	25%	81%
1943	3	2	5	81%	1954	5	26%	80%
1944	3	1	4	76%	1946	5	27%	80%
1945	2	0	2	40%	1948	5	28%	80%
1946	3	2	5	80%	1998	4	30%	77%
1947	2	1	4	61%	1975	4	31%	76%
1948	3	2	5	80%	1944	4	32%	76%
1949	3	0	3	56%	1994	4	33%	75%
1950	3	0	3	58%	1981	4	35%	75%
1951	3	0	3	43%	1980	4	36%	74%
1952	3	2	5	86%	1937	4	37%	74%
1953	3	2	5	87%	1974	4	38%	73%
1954	3	1	5	80%	1984	4	40%	73%
1955	3	0	3	47%	1969	4	41%	71%
1956	3	0	3	49%	2003	4	42%	69%
1957	3	1	4	69%	1957	4	43%	69%
1958	3	0	3	55%	2000	4	44%	68%
1959	3	2	5	89%	1936	4	46%	64%
1960	3	0	3	54%	1941	4	47%	62%
1961	3	0	3	59%	1947	4	48%	61%
1962	2	0	2	41%	1964	3	49%	60%
1963	3	2	5	83%	1986	3	51%	59%
1964	3	0	3	60%	1961	3	52%	59%

CRESTLINE-LAKE ARROWHEAD WA (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.8 TAF)
1965	2	0	3	48%	1950	3	53%	58%
1966	3	2	5	83%	1967	3	54%	58%
1967	3	1	3	58%	1949	3	56%	56%
1968	3	2	5	83%	1972	3	57%	55%
1969	3	1	4	71%	1958	3	58%	55%
1970	2	3	5	87%	1958	3	59%	55%
1971	3	2	5	88%	1960	3	60%	54%
1972	3	0	3	55%	1926	3	62%	54%
1973	2	0	3	48%	1987	3	63%	52%
1974	3	2	4	73%	1940	3	64%	52%
1975	2	2	4	76%	1995	3	65%	51%
1976	3	2	5	89%	1978	3	67%	50%
1977	0	0	0	7%	1956	3	68%	49%
1978	3	0	3	50%	1965	3	69%	48%
1979	2	2	5	85%	1965	3	70%	48%
1980	3	1	4	74%	1925	3	72%	48%
1981	3	1	4	75%	1990	3	73%	47%
1982	3	0	3	55%	1955	3	74%	47%
1983	3	2	5	85%	2001	3	75%	46%
1984	3	2	4	73%	1993	3	77%	44%
1985	3	2	5	86%	1951	3	78%	43%
1986	3	1	3	59%	1933	2	79%	42%
1987	3	0	3	52%	1924	2	80%	42%
1988	1	0	1	17%	1932	2	81%	42%
1989	2	0	2	41%	1962	2	83%	41%
1990	1	2	3	47%	1962	2	84%	41%
1991	2	0	2	34%	1922	2	85%	41%
1992	1	0	1	24%	2002	2	86%	41%
1993	3	0	3	44%	1927	2	88%	41%
1994	3	1	4	75%	1945	2	89%	40%
1995	3	0	3	51%	1935	2	90%	39%
1996	3	2	5	86%	1930	2	91%	37%
1997	3	2	5	83%	1931	2	93%	35%
1998	3	1	4	77%	1991	2	94%	34%
1999	2	3	5	86%	1929	2	95%	34%
2000	3	1	4	68%	1992	1	96%	24%
2001	2	1	3	46%	1934	1	98%	23%
2002	2	0	2	41%	1988	1	99%	17%
2003	2	2	4	69%	1977	0	100%	7%
Average	3	1	4	62%		4		62%
Maximum	3	3	6	100%		6		100%
Minimum	0	0	0	7%		0		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

DESERT WA: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (55.75 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (55.75 TAF)
1922	21	0	21	38%	1939	56	0%	100%
1923	27	21	48	87%	1938	53	1%	95%
1924	16	8	24	43%	1976	51	2%	92%
1925	27	0	27	48%	1928	51	4%	92%
1926	30	0	30	54%	1959	50	5%	90%
1927	21	0	21	37%	1953	50	6%	89%
1928	30	21	51	92%	1985	49	7%	88%
1929	15	4	19	34%	1971	49	9%	88%
1930	20	0	20	37%	1923	48	10%	87%
1931	19	0	19	35%	1999	48	11%	86%
1932	23	0	23	41%	1942	48	12%	86%
1933	24	0	24	42%	1952	48	14%	86%
1934	13	0	13	23%	1966	48	15%	86%
1935	20	0	20	35%	1968	48	16%	85%
1936	23	12	34	61%	1979	48	17%	85%
1937	25	15	40	72%	1963	47	19%	85%
1938	28	25	53	95%	1996	47	20%	84%
1939	28	28	56	100%	1983	46	21%	83%
1940	24	4	28	50%	1997	46	22%	83%
1941	25	7	32	58%	1948	46	23%	82%
1942	23	25	48	86%	1948	46	25%	82%
1943	24	19	43	77%	1946	45	26%	81%
1944	31	11	42	75%	1943	43	27%	77%
1945	21	0	21	37%	1975	43	28%	77%
1946	25	21	45	81%	1944	42	30%	75%
1947	21	12	34	60%	1994	42	31%	75%
1948	29	17	46	82%	1981	42	32%	75%
1949	30	0	30	55%	1998	41	33%	73%
1950	29	4	33	58%	1937	40	35%	72%
1951	22	0	22	40%	1974	40	36%	72%
1952	26	22	48	86%	1980	40	37%	72%
1953	24	26	50	89%	1984	40	38%	71%
1954	32	14	46	82%	1957	38	40%	69%
1955	25	1	26	47%	1969	38	41%	68%
1956	25	0	25	45%	2000	37	42%	66%
1957	30	8	38	69%	1970	35	43%	63%
1958	28	0	28	50%	1936	34	44%	61%
1959	30	20	50	90%	1947	34	46%	60%
1960	30	0	30	54%	1964	33	47%	60%
1961	33	0	33	59%	1961	33	48%	59%
1962	21	0	21	39%	1950	33	49%	58%
1963	31	17	47	85%	1941	32	51%	58%
1964	30	3	33	60%	1986	32	52%	57%

DESERT WA (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (55.75 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (55.75 TAF)
1965	21	5	26	46%	1967	31	53%	55%
1966	27	21	48	86%	1949	30	54%	55%
1967	22	9	31	55%	1972	30	56%	54%
1968	25	22	48	85%	1960	30	57%	54%
1969	28	10	38	68%	1926	30	58%	54%
1970	22	14	35	63%	1987	29	59%	52%
1971	32	17	49	88%	1958	28	60%	50%
1972	30	0	30	54%	1982	28	62%	50%
1973	21	4	26	46%	1940	28	63%	50%
1974	23	17	40	72%	1990	28	64%	50%
1975	19	23	43	77%	2001	27	65%	48%
1976	32	19	51	92%	1925	27	67%	48%
1977	4	0	4	7%	1955	26	68%	47%
1978	25	0	25	46%	1995	26	69%	47%
1979	22	25	48	85%	1973	26	70%	46%
1980	26	14	40	72%	1965	26	72%	46%
1981	31	11	42	75%	2003	25	73%	46%
1982	28	0	28	50%	1978	25	74%	46%
1983	28	19	46	83%	1956	25	75%	45%
1984	22	18	40	71%	1924	24	77%	43%
1985	27	22	49	88%	1933	24	78%	42%
1986	24	7	32	57%	1932	23	79%	41%
1987	26	3	29	52%	1993	23	80%	40%
1988	9	0	9	17%	1951	22	81%	40%
1989	21	0	21	38%	1962	21	83%	39%
1990	7	21	28	50%	1989	21	84%	38%
1991	19	0	19	34%	1922	21	85%	38%
1992	13	0	13	24%	1945	21	86%	37%
1993	23	0	23	40%	1945	21	88%	37%
1994	28	14	42	75%	1927	21	89%	37%
1995	26	0	26	47%	1930	20	90%	37%
1996	22	25	47	84%	1935	20	91%	35%
1997	24	22	46	83%	1931	19	93%	35%
1998	27	13	41	73%	1929	19	94%	34%
1999	22	26	48	86%	1991	19	95%	34%
2000	25	11	37	66%	1992	13	96%	24%
2001	16	11	27	48%	1934	13	98%	23%
2002	21	0	21	37%	1988	9	99%	17%
2003	11	15	25	46%	1977	4	100%	7%
Average	24	10	34	60%		34		60%
Maximum	33	28	56	100%		56		100%
Minimum	4	0	4	7%		4		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

DUDLEY RIDGE WD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (50.34 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (50.34 TAF)
1922	36	0	36	71%	1938	50	0%	98%
1923	32	2	33	66%	1998	49	1%	97%
1924	14	1	15	30%	1958	48	2%	95%
1925	24	0	24	48%	1982	48	4%	95%
1926	27	0	27	54%	1937	45	5%	89%
1927	36	0	36	71%	1995	45	6%	89%
1928	31	2	33	65%	1997	43	7%	86%
1929	14	0	14	28%	1943	43	9%	85%
1930	18	0	18	37%	1956	43	10%	85%
1931	17	0	17	35%	1942	42	11%	84%
1932	21	0	21	41%	1974	42	12%	83%
1933	21	0	21	42%	1969	41	14%	82%
1934	11	0	11	23%	1969	41	15%	82%
1935	34	0	34	68%	1978	41	16%	82%
1936	33	2	34	68%	1986	41	17%	82%
1937	43	1	45	89%	1952	41	19%	82%
1938	47	2	50	98%	1980	41	20%	82%
1939	31	3	33	66%	1941	41	21%	82%
1940	32	0	33	65%	1996	40	22%	80%
1941	40	1	41	82%	1970	40	23%	80%
1942	40	2	42	84%	1979	40	25%	80%
1943	41	2	43	85%	1984	40	26%	80%
1944	28	2	30	60%	1999	40	27%	79%
1945	36	0	36	71%	1967	39	28%	77%
1946	32	2	34	68%	1993	39	30%	77%
1947	33	1	34	68%	1951	38	31%	75%
1948	26	2	28	55%	1989	36	32%	72%
1949	31	0	31	61%	1922	36	33%	71%
1950	26	0	26	52%	1965	36	35%	71%
1951	38	0	38	75%	2002	36	36%	71%
1952	39	2	41	82%	1945	36	37%	71%
1953	32	2	35	69%	1927	36	38%	71%
1954	30	1	31	62%	1975	35	40%	70%
1955	23	0	23	45%	1953	35	41%	69%
1956	43	0	43	85%	1936	34	42%	68%
1957	27	2	29	58%	1946	34	43%	68%
1958	48	0	48	95%	1935	34	44%	68%
1959	27	3	30	59%	1968	34	46%	68%
1960	27	0	27	54%	2000	34	47%	68%
1961	30	0	30	59%	1947	34	48%	68%
1962	33	0	33	65%	1985	34	49%	67%
1963	31	1	32	64%	1966	33	51%	66%
1964	31	0	31	62%	1923	33	52%	66%

DUDLEY RIDGE WD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (50.34 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (50.34 TAF)
1965	35	0	36	71%	1973	33	53%	66%
1966	32	2	33	66%	1939	33	54%	66%
1967	38	1	39	77%	1962	33	56%	65%
1968	32	2	34	68%	1940	33	57%	65%
1969	40	1	41	82%	1928	33	58%	65%
1970	38	3	40	80%	1963	32	59%	64%
1971	29	2	31	61%	1954	31	60%	62%
1972	31	0	31	61%	1964	31	62%	62%
1973	33	0	33	66%	1971	31	63%	61%
1974	40	2	42	83%	1972	31	64%	61%
1975	33	2	35	70%	1949	31	65%	61%
1976	29	2	31	61%	1976	31	67%	61%
1977	3	0	3	7%	1981	30	68%	60%
1978	41	0	41	82%	1944	30	69%	60%
1979	38	2	40	80%	2003	30	70%	59%
1980	40	2	41	82%	1961	30	72%	59%
1981	28	2	30	60%	1959	30	73%	59%
1982	48	0	48	95%	1957	29	74%	58%
1983	39	2	41	82%	1948	28	75%	55%
1984	38	2	40	80%	1994	28	77%	55%
1985	32	2	34	67%	1960	27	78%	54%
1986	41	1	41	82%	1926	27	79%	54%
1987	23	2	25	50%	1950	26	80%	52%
1988	9	0	9	17%	1987	25	81%	50%
1989	36	0	36	72%	1925	24	83%	48%
1990	6	2	8	16%	1955	23	84%	45%
1991	17	0	17	34%	1933	21	85%	42%
1992	12	0	12	24%	1932	21	86%	41%
1993	39	0	39	77%	1930	18	88%	37%
1994	26	2	28	55%	1931	17	89%	35%
1995	45	0	45	89%	1991	17	90%	34%
1996	38	2	40	80%	1924	15	91%	30%
1997	41	2	43	86%	2001	15	93%	30%
1998	47	2	49	97%	1929	14	94%	28%
1999	38	2	40	79%	1992	12	95%	24%
2000	32	2	34	68%	1934	11	96%	23%
2001	14	1	15	30%	1988	9	98%	17%
2002	36	0	36	71%	1990	8	99%	16%
2003	28	2	30	59%	1977	3	100%	7%
Average	31	1	32	64%		32		64%
Maximum	48	3	50	98%		50		98%
Minimum	3	0	3	7%		3		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

EMPIRE WEST SIDE ID: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.0 TAF)
1922	0.5	0.0	0.5	24%	1939	2.0	0%	100%
1923	0.7	1.1	1.8	90%	1976	1.9	1%	95%
1924	0.6	0.6	1.1	57%	1928	1.9	2%	95%
1925	0.8	0.0	0.8	39%	1938	1.9	4%	94%
1926	0.9	0.2	1.1	53%	1953	1.9	5%	93%
1927	0.4	0.2	0.6	32%	1985	1.8	6%	92%
1928	0.9	1.0	1.9	95%	1923	1.8	7%	90%
1929	0.5	0.4	0.9	46%	1966	1.8	9%	89%
1930	0.7	0.0	0.7	35%	1968	1.8	10%	88%
1931	0.7	0.0	0.7	37%	1968	1.8	11%	88%
1932	0.7	0.0	0.7	36%	1999	1.7	12%	87%
1933	0.7	0.1	0.8	42%	1942	1.7	14%	87%
1934	0.5	0.1	0.6	30%	1963	1.7	15%	86%
1935	0.4	0.0	0.4	22%	1946	1.7	16%	84%
1936	0.6	0.4	1.0	49%	1954	1.7	17%	83%
1937	0.5	0.8	1.3	67%	1975	1.6	19%	80%
1938	0.6	1.3	1.9	94%	1959	1.6	20%	80%
1939	0.6	1.4	2.0	100%	1970	1.6	21%	79%
1940	0.6	0.4	1.0	49%	1952	1.6	22%	78%
1941	0.5	0.3	0.8	41%	1971	1.5	23%	76%
1942	0.5	1.2	1.7	87%	1983	1.4	25%	72%
1943	0.5	0.7	1.2	61%	1948	1.4	26%	72%
1944	0.9	0.4	1.3	65%	1974	1.4	27%	68%
1945	0.4	0.2	0.7	33%	1974	1.4	28%	68%
1946	0.6	1.1	1.7	84%	2003	1.4	30%	68%
1947	0.5	0.7	1.2	60%	1997	1.4	31%	68%
1948	0.8	0.6	1.4	72%	1937	1.3	32%	67%
1949	0.8	0.2	1.0	52%	1994	1.3	33%	65%
1950	0.8	0.4	1.2	61%	1944	1.3	35%	65%
1951	0.5	0.1	0.6	28%	1981	1.3	36%	64%
1952	0.6	1.0	1.6	78%	1981	1.3	37%	64%
1953	0.6	1.3	1.9	93%	1950	1.2	38%	61%
1954	0.9	0.8	1.7	83%	1943	1.2	40%	61%
1955	0.7	0.3	1.0	50%	1964	1.2	41%	61%
1956	0.5	0.1	0.6	31%	1947	1.2	42%	60%
1957	0.9	0.3	1.2	59%	1969	1.2	43%	60%
1958	0.6	0.2	0.8	41%	1969	1.2	44%	60%
1959	0.9	0.7	1.6	80%	1957	1.2	46%	59%
1960	0.9	0.2	1.1	54%	1961	1.2	47%	58%
1961	0.9	0.2	1.2	58%	1924	1.1	48%	57%
1962	0.5	0.2	0.7	36%	1960	1.1	49%	54%
1963	0.9	0.9	1.7	86%	1972	1.1	51%	54%
1964	0.8	0.4	1.2	61%	1972	1.1	52%	54%

EMPIRE WEST SIDE ID (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.0 TAF)
1965	0.4	0.4	0.9	43%	1926	1.1	53%	53%
1966	0.7	1.0	1.8	89%	1967	1.0	54%	52%
1967	0.5	0.6	1.0	52%	1949	1.0	56%	52%
1968	0.6	1.1	1.8	88%	1949	1.0	57%	52%
1969	0.6	0.6	1.2	60%	1986	1.0	58%	51%
1970	0.5	1.1	1.6	79%	1955	1.0	59%	50%
1971	0.9	0.6	1.5	76%	1990	1.0	60%	50%
1972	0.9	0.2	1.1	54%	1990	1.0	62%	50%
1973	0.5	0.4	0.9	45%	1940	1.0	63%	49%
1974	0.5	0.9	1.4	68%	1936	1.0	64%	49%
1975	0.4	1.2	1.6	80%	1929	0.9	65%	46%
1976	0.9	1.0	1.9	95%	1973	0.9	67%	45%
1977	0.1	0.2	0.3	17%	1965	0.9	68%	43%
1978	0.5	0.0	0.5	27%	1987	0.8	69%	42%
1979	0.5	1.3	1.8	88%	1933	0.8	70%	42%
1980	0.6	0.6	1.2	60%	1982	0.8	72%	41%
1981	0.9	0.4	1.3	64%	1958	0.8	73%	41%
1982	0.6	0.2	0.8	41%	1941	0.8	74%	41%
1983	0.6	0.8	1.4	72%	1925	0.8	75%	39%
1984	0.5	0.8	1.3	64%	1995	0.8	77%	39%
1985	0.7	1.1	1.8	92%	1931	0.7	78%	37%
1986	0.5	0.5	1.0	51%	1962	0.7	79%	36%
1987	0.7	0.1	0.8	42%	1932	0.7	80%	36%
1988	0.3	0.2	0.5	26%	1991	0.7	81%	35%
1989	0.5	0.0	0.5	24%	1930	0.7	83%	35%
1990	0.2	0.8	1.0	50%	1945	0.7	84%	33%
1991	0.7	0.0	0.7	35%	1927	0.6	85%	32%
1992	0.5	0.0	0.5	24%	1956	0.6	86%	31%
1993	0.5	0.0	0.5	24%	1934	0.6	88%	30%
1994	0.8	0.5	1.3	65%	1951	0.6	89%	28%
1995	0.6	0.2	0.8	39%	1978	0.5	90%	27%
1996	0.5	0.9	1.4	68%	1988	0.5	91%	26%
1997	0.5	0.8	1.4	68%	1922	0.5	93%	24%
1998	0.6	0.5	1.1	54%	1922	0.5	94%	24%
1999	0.5	1.3	1.7	87%	1922	0.5	95%	24%
2000	0.6	0.4	1.0	52%	1922	0.5	96%	24%
2001	0.6	0.4	1.0	50%	1935	0.4	98%	22%
2002	0.4	0.0	0.4	22%	1935	0.4	99%	22%
2003	0.8	0.5	1.4	68%	1977	0.3	100%	17%
Average	0.6	0.5	1.1	57%		1.1		57%
Maximum	0.9	1.4	2.0	100%		2.0		100%
Minimum	0.1	0.0	0.3	17%		0.3		17%

Technical Addendum to the SWP Delivery Reliability Report 2011

KERN COUNTY WA – AG: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (848.13 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (848.13 TAF)
1922	595	0	595	70%	1938	836	0%	99%
1923	524	40	565	67%	1998	819	1%	97%
1924	241	19	260	31%	1982	799	2%	94%
1925	404	1	405	48%	1958	799	4%	94%
1926	450	4	454	54%	1937	752	5%	89%
1927	590	5	595	70%	1995	747	6%	88%
1928	512	40	552	65%	1997	731	7%	86%
1929	229	12	241	28%	1943	724	9%	85%
1930	309	1	310	36%	1956	716	10%	84%
1931	293	2	295	35%	1942	710	11%	84%
1932	348	1	350	41%	1974	699	12%	82%
1933	356	3	358	42%	1983	695	14%	82%
1934	191	3	195	23%	1986	695	15%	82%
1935	565	1	566	67%	1980	695	16%	82%
1936	542	38	580	68%	1978	695	17%	82%
1937	721	30	752	89%	1952	695	19%	82%
1938	787	49	836	99%	1941	695	20%	82%
1939	510	54	564	67%	1941	695	21%	82%
1940	537	11	548	65%	1996	679	22%	80%
1941	668	27	695	82%	1970	679	23%	80%
1942	662	48	710	84%	1979	678	25%	80%
1943	679	45	724	85%	1984	676	26%	80%
1944	467	46	513	60%	1999	676	27%	80%
1945	593	5	598	71%	1967	651	28%	77%
1946	535	40	576	68%	1993	643	30%	76%
1947	546	26	572	67%	1951	630	31%	74%
1948	438	33	471	56%	1965	601	32%	71%
1949	511	5	516	61%	1989	600	33%	71%
1950	432	12	444	52%	1945	598	35%	71%
1951	628	2	630	74%	1975	597	36%	70%
1952	652	43	695	82%	1922	595	37%	70%
1953	539	50	589	69%	1927	595	38%	70%
1954	503	28	531	63%	2002	594	40%	70%
1955	376	7	383	45%	1953	589	41%	69%
1956	714	2	716	84%	1936	580	42%	68%
1957	453	48	501	59%	1946	576	43%	68%
1958	794	5	799	94%	1968	575	44%	68%
1959	452	54	506	60%	2000	575	46%	68%
1960	454	5	458	54%	1947	572	47%	67%
1961	496	5	501	59%	1985	568	48%	67%
1962	546	5	551	65%	1966	566	49%	67%
1963	510	33	543	64%	1935	566	51%	67%
1964	514	11	525	62%	1923	565	52%	67%

KERN COUNTY WA – AG (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (848.13 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (848.13 TAF)
1965	588	13	601	71%	1939	564	53%	67%
1966	526	40	566	67%	1973	559	54%	66%
1967	631	20	651	77%	1928	552	56%	65%
1968	532	43	575	68%	1962	551	57%	65%
1969	671	24	695	82%	1940	548	58%	65%
1970	625	54	679	80%	1963	543	59%	64%
1971	483	42	525	62%	1954	531	60%	63%
1972	513	5	518	61%	1964	525	62%	62%
1973	546	13	559	66%	1971	525	63%	62%
1974	666	33	699	82%	1976	520	64%	61%
1975	552	45	597	70%	1972	518	65%	61%
1976	482	37	520	61%	1981	516	67%	61%
1977	55	5	61	7%	1949	516	68%	61%
1978	695	0	695	82%	1944	513	69%	60%
1979	628	49	678	80%	1959	506	70%	60%
1980	659	36	695	82%	1961	501	72%	59%
1981	466	50	516	61%	1957	501	73%	59%
1982	794	5	799	94%	1948	471	74%	56%
1983	649	46	695	82%	1994	469	75%	55%
1984	629	46	676	80%	1960	458	77%	54%
1985	526	43	568	67%	1926	454	78%	54%
1986	678	17	695	82%	1950	444	79%	52%
1987	385	47	431	51%	2003	440	80%	52%
1988	143	4	147	17%	1987	431	81%	51%
1989	599	1	600	71%	1925	405	83%	48%
1990	105	41	145	17%	1955	383	84%	45%
1991	287	0	288	34%	1933	358	85%	42%
1992	202	1	203	24%	1932	350	86%	41%
1993	642	1	643	76%	1930	310	88%	36%
1994	426	44	469	55%	1931	295	89%	35%
1995	743	5	747	88%	1991	288	90%	34%
1996	629	50	679	80%	2001	260	91%	31%
1997	689	43	731	86%	1924	260	93%	31%
1998	773	47	819	97%	1929	241	94%	28%
1999	623	52	676	80%	1992	203	95%	24%
2000	533	42	575	68%	1934	195	96%	23%
2001	236	24	260	31%	1988	147	98%	17%
2002	593	0	594	70%	1990	145	99%	17%
2003	400	40	440	52%	1977	61	100%	7%
Average	518	24	542	64%		542		64%
Maximum	794	54	836	99%		836		99%
Minimum	55	0	61	7%		61		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

KERN COUNTY WA – MI: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (134.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (134.6 TAF)
1922	101	0	101	75%	1958	135	0%	100%
1923	86	0	86	64%	1958	135	1%	100%
1924	38	0	38	29%	1969	135	2%	100%
1925	65	0	65	48%	1938	135	4%	100%
1926	72	0	72	54%	1982	135	5%	100%
1927	100	0	100	74%	1998	131	6%	97%
1928	83	0	83	62%	1995	126	7%	93%
1929	36	0	36	27%	1980	126	9%	93%
1930	49	0	49	37%	1952	125	10%	93%
1931	47	0	47	35%	1978	123	11%	91%
1932	56	0	56	41%	1937	122	12%	91%
1933	57	0	57	42%	1956	121	14%	90%
1934	31	0	31	23%	1941	119	15%	89%
1935	96	0	96	71%	1997	117	16%	87%
1936	91	0	91	67%	1986	117	17%	87%
1937	122	0	122	91%	1943	115	19%	86%
1938	135	0	135	100%	1974	113	20%	84%
1939	83	0	83	61%	1942	112	21%	83%
1940	89	0	89	66%	1993	109	22%	81%
1941	119	0	119	89%	1967	107	23%	79%
1942	112	0	112	83%	1984	107	25%	79%
1943	115	0	115	86%	1996	107	26%	79%
1944	75	0	75	56%	1979	106	27%	79%
1945	101	0	101	75%	1951	106	28%	79%
1946	89	0	89	66%	1970	106	30%	79%
1947	92	0	92	68%	1999	106	31%	78%
1948	70	0	70	52%	1989	102	32%	75%
1949	83	0	83	62%	1922	101	33%	75%
1950	69	0	69	51%	1945	101	35%	75%
1951	106	0	106	79%	2002	101	36%	75%
1952	125	0	125	93%	1927	100	37%	74%
1953	90	0	90	67%	1965	100	38%	74%
1954	81	0	81	60%	1935	96	40%	71%
1955	60	0	60	45%	1975	94	41%	70%
1956	121	0	121	90%	1973	92	42%	68%
1957	73	0	73	54%	1947	92	43%	68%
1958	135	0	135	100%	1962	92	44%	68%
1959	73	0	73	54%	1936	91	46%	67%
1960	73	0	73	54%	1953	90	47%	67%
1961	80	0	80	59%	1940	89	48%	66%
1962	92	0	92	68%	1946	89	49%	66%
1963	83	0	83	61%	2000	88	51%	66%
1964	84	0	84	62%	1968	88	52%	66%

KERN COUNTY WA – MI (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (134.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (134.6 TAF)
1965	100	0	100	74%	1966	87	53%	64%
1966	87	0	87	64%	1985	87	54%	64%
1967	107	0	107	79%	1923	86	56%	64%
1968	88	0	88	66%	1964	84	57%	62%
1969	135	0	135	100%	1972	83	58%	62%
1970	106	0	106	79%	1928	83	59%	62%
1971	77	0	77	58%	1949	83	60%	62%
1972	83	0	83	62%	1939	83	62%	61%
1973	92	0	92	68%	1963	83	63%	61%
1974	113	0	113	84%	1954	81	64%	60%
1975	94	0	94	70%	1961	80	65%	59%
1976	77	0	77	57%	1971	77	67%	58%
1977	9	0	9	7%	1976	77	68%	57%
1978	123	0	123	91%	1944	75	69%	56%
1979	106	0	106	79%	1981	75	70%	56%
1980	126	0	126	93%	1960	73	72%	54%
1981	75	0	75	56%	1957	73	73%	54%
1982	135	0	135	100%	1959	73	74%	54%
1983	135	0	135	100%	1926	72	75%	54%
1984	107	0	107	79%	1948	70	77%	52%
1985	87	0	87	64%	1950	69	78%	51%
1986	117	0	117	87%	1994	68	79%	51%
1987	62	0	62	46%	1925	65	80%	48%
1988	23	0	23	17%	2003	64	81%	48%
1989	102	0	102	75%	1987	62	83%	46%
1990	17	0	17	12%	1955	60	84%	45%
1991	46	0	46	34%	1933	57	85%	42%
1992	32	0	32	24%	1932	56	86%	41%
1993	109	0	109	81%	1930	49	88%	37%
1994	68	0	68	51%	1931	47	89%	35%
1995	126	0	126	93%	1991	46	90%	34%
1996	107	0	107	79%	1924	38	91%	29%
1997	117	0	117	87%	2001	38	93%	28%
1998	131	0	131	97%	1929	36	94%	27%
1999	106	0	106	78%	1992	32	95%	24%
2000	88	0	88	66%	1934	31	96%	23%
2001	38	0	38	28%	1988	23	98%	17%
2002	101	0	101	75%	1990	17	99%	12%
2003	64	0	64	48%	1977	9	100%	7%
Average	87	0	87	65%		87		65%
Maximum	135	0	135	100%		135		100%
Minimum	9	0	9	7%		9		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

LITTLE ROCK CREEK ID: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.3 TAF)
1922	2	0	2	75%	1938	2	0%	100%
1923	1	0	1	63%	1938	2	1%	100%
1924	1	0	1	30%	1938	2	2%	100%
1925	1	0	1	48%	1982	2	4%	100%
1926	1	0	1	53%	1982	2	5%	100%
1927	2	0	2	75%	1998	2	6%	97%
1928	1	0	1	61%	1995	2	7%	94%
1929	1	0	1	28%	1952	2	9%	93%
1930	1	0	1	37%	1952	2	10%	93%
1931	1	0	1	34%	1978	2	11%	92%
1932	1	0	1	41%	1937	2	12%	91%
1933	1	0	1	42%	1956	2	14%	91%
1934	1	0	1	22%	1941	2	15%	88%
1935	2	0	2	71%	1997	2	16%	88%
1936	2	0	2	68%	1943	2	17%	86%
1937	2	0	2	91%	1943	2	19%	86%
1938	2	0	2	100%	1942	2	20%	84%
1939	1	0	1	61%	1974	2	21%	83%
1940	2	0	2	67%	1993	2	22%	80%
1941	2	0	2	88%	1979	2	23%	80%
1942	2	0	2	84%	1979	2	25%	80%
1943	2	0	2	86%	1979	2	26%	80%
1944	1	0	1	56%	1951	2	27%	79%
1945	2	0	2	75%	1951	2	28%	79%
1946	2	0	2	66%	1951	2	30%	79%
1947	2	0	2	69%	1999	2	31%	79%
1948	1	0	1	52%	1989	2	32%	75%
1949	1	0	1	62%	1945	2	33%	75%
1950	1	0	1	51%	1965	2	35%	75%
1951	2	0	2	79%	1927	2	36%	75%
1952	2	0	2	93%	1927	2	37%	75%
1953	2	0	2	66%	1922	2	38%	75%
1954	1	0	1	60%	1935	2	40%	71%
1955	1	0	1	45%	1975	2	41%	69%
1956	2	0	2	91%	1947	2	42%	69%
1957	1	0	1	53%	1962	2	43%	69%
1958	2	0	2	100%	1973	2	44%	69%
1959	1	0	1	54%	1936	2	46%	68%
1960	1	0	1	54%	1940	2	47%	67%
1961	1	0	1	59%	1953	2	48%	66%
1962	2	0	2	69%	1946	2	49%	66%
1963	1	0	1	61%	1966	1	51%	65%
1964	1	0	1	62%	1966	1	52%	65%

LITTLE ROCK CREEK ID (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.3 TAF)
1965	2	0	2	75%	1966	1	53%	65%
1966	1	0	1	65%	1985	1	54%	64%
1967	2	0	2	79%	1923	1	56%	63%
1968	1	0	1	65%	1972	1	57%	63%
1969	2	0	2	100%	1964	1	58%	62%
1970	2	0	2	79%	1949	1	59%	62%
1971	1	0	1	57%	1928	1	60%	61%
1972	1	0	1	63%	1928	1	62%	61%
1973	2	0	2	69%	1963	1	63%	61%
1974	2	0	2	83%	1954	1	64%	60%
1975	2	0	2	69%	1961	1	65%	59%
1976	1	0	1	57%	1971	1	67%	57%
1977	0	0	0	7%	1971	1	68%	57%
1978	2	0	2	92%	1944	1	69%	56%
1979	2	0	2	80%	1981	1	70%	56%
1980	2	0	2	93%	1959	1	72%	54%
1981	1	0	1	56%	1960	1	73%	54%
1982	2	0	2	100%	1926	1	74%	53%
1983	2	0	2	100%	1957	1	75%	53%
1984	2	0	2	80%	1948	1	77%	52%
1985	1	0	1	64%	1950	1	78%	51%
1986	2	0	2	86%	1994	1	79%	51%
1987	1	0	1	46%	1925	1	80%	48%
1988	0	0	0	17%	1987	1	81%	46%
1989	2	0	2	75%	2003	1	83%	45%
1990	0	0	0	12%	1955	1	84%	45%
1991	1	0	1	33%	1933	1	85%	42%
1992	1	0	1	24%	1932	1	86%	41%
1993	2	0	2	80%	1930	1	88%	37%
1994	1	0	1	51%	1931	1	89%	34%
1995	2	0	2	94%	1991	1	90%	33%
1996	2	0	2	80%	1924	1	91%	30%
1997	2	0	2	88%	1929	1	93%	28%
1998	2	0	2	97%	2001	1	94%	28%
1999	2	0	2	79%	1992	1	95%	24%
2000	1	0	1	65%	1934	1	96%	22%
2001	1	0	1	28%	1988	0	98%	17%
2002	2	0	2	75%	1990	0	99%	12%
2003	1	0	1	45%	1977	0	100%	7%
Average	1	0	1	65%		1		65%
Maximum	2	0	2	100%		2		100%
Minimum	0	0	0	7%		0		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

METROPOLITAN WDSC: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (1911.5 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (1911.5 TAF)
1922	1,192	0	1,192	62%	1970	1,498	0%	78%
1923	1,139	150	1,289	67%	1996	1,477	1%	77%
1924	536	86	622	33%	1984	1,477	2%	77%
1925	882	9	891	47%	1999	1,477	4%	77%
1926	983	37	1,021	53%	1943	1,463	5%	77%
1927	1,271	42	1,312	69%	1974	1,434	6%	75%
1928	1,115	149	1,263	66%	1956	1,424	7%	74%
1929	508	65	573	30%	1951	1,371	9%	72%
1930	682	9	691	36%	1942	1,368	10%	72%
1931	651	17	668	35%	1975	1,358	11%	71%
1932	765	13	777	41%	1953	1,351	12%	71%
1933	779	23	803	42%	1986	1,344	14%	70%
1934	425	30	455	24%	1997	1,344	15%	70%
1935	1,217	7	1,224	64%	1993	1,344	16%	70%
1936	1,172	142	1,314	69%	1965	1,336	17%	70%
1937	1,164	118	1,282	67%	1945	1,321	19%	69%
1938	1,082	167	1,248	65%	1936	1,314	20%	69%
1939	1,112	200	1,312	69%	1927	1,312	21%	69%
1940	1,162	63	1,225	64%	1968	1,312	22%	69%
1941	904	108	1,013	53%	1939	1,312	23%	69%
1942	1,191	177	1,368	72%	1979	1,312	25%	69%
1943	1,296	167	1,463	77%	1958	1,312	26%	69%
1944	1,020	171	1,191	62%	2000	1,311	27%	69%
1945	1,278	43	1,321	69%	1946	1,308	28%	68%
1946	1,159	149	1,308	68%	1985	1,299	30%	68%
1947	1,179	105	1,284	67%	1989	1,297	31%	68%
1948	956	126	1,083	57%	1966	1,289	32%	67%
1949	1,114	40	1,155	60%	1923	1,289	33%	67%
1950	944	65	1,009	53%	1947	1,284	35%	67%
1951	1,353	18	1,371	72%	2002	1,283	36%	67%
1952	919	158	1,077	56%	1937	1,282	37%	67%
1953	1,165	186	1,351	71%	1995	1,281	38%	67%
1954	1,098	111	1,209	63%	1998	1,281	40%	67%
1955	821	52	874	46%	1982	1,281	41%	67%
1956	1,408	16	1,424	74%	1967	1,270	42%	66%
1957	989	180	1,169	61%	1928	1,263	43%	66%
1958	1,270	42	1,312	69%	1938	1,248	44%	65%
1959	989	200	1,189	62%	1973	1,247	46%	65%
1960	991	42	1,033	54%	1963	1,237	47%	65%
1961	1,085	42	1,126	59%	1940	1,225	48%	64%
1962	1,178	46	1,224	64%	1962	1,224	49%	64%
1963	1,111	126	1,237	65%	1935	1,224	51%	64%
1964	1,120	63	1,183	62%	1971	1,213	52%	63%

METROPOLITAN WDSC (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (1911.5 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (1911.5 TAF)
1965	1,266	70	1,336	70%	1954	1,209	53%	63%
1966	1,142	148	1,289	67%	1981	1,205	54%	63%
1967	1,181	88	1,270	66%	1980	1,197	56%	63%
1968	1,153	159	1,312	69%	1976	1,192	57%	62%
1969	1,056	100	1,156	60%	1922	1,192	58%	62%
1970	1,315	184	1,498	78%	1944	1,191	59%	62%
1971	1,055	157	1,213	63%	1959	1,189	60%	62%
1972	1,117	45	1,162	61%	1964	1,183	62%	62%
1973	1,179	67	1,247	65%	1957	1,169	63%	61%
1974	1,307	127	1,434	75%	1972	1,162	64%	61%
1975	1,190	168	1,358	71%	1969	1,156	65%	60%
1976	1,054	139	1,192	62%	1949	1,155	67%	60%
1977	123	45	167	9%	1961	1,126	68%	59%
1978	1,124	1	1,125	59%	1978	1,125	69%	59%
1979	1,129	183	1,312	69%	1994	1,092	70%	57%
1980	1,069	128	1,197	63%	1948	1,083	72%	57%
1981	1,019	187	1,205	63%	1952	1,077	73%	56%
1982	1,238	43	1,281	67%	1960	1,033	74%	54%
1983	855	151	1,006	53%	1926	1,021	75%	53%
1984	1,348	129	1,477	77%	1941	1,013	77%	53%
1985	1,141	159	1,299	68%	1950	1,009	78%	53%
1986	1,269	75	1,344	70%	1983	1,006	79%	53%
1987	841	111	952	50%	1987	952	80%	50%
1988	318	36	353	18%	1925	891	81%	47%
1989	1,291	6	1,297	68%	2003	881	83%	46%
1990	232	151	383	20%	1955	874	84%	46%
1991	638	4	642	34%	1933	803	85%	42%
1992	448	11	459	24%	1932	777	86%	41%
1993	1,336	7	1,344	70%	1930	691	88%	36%
1994	931	162	1,092	57%	1931	668	89%	35%
1995	1,242	39	1,281	67%	1991	642	90%	34%
1996	1,290	187	1,477	77%	2001	625	91%	33%
1997	1,187	156	1,344	70%	1924	622	93%	33%
1998	1,108	173	1,281	67%	1929	573	94%	30%
1999	1,313	164	1,477	77%	1992	459	95%	24%
2000	1,154	157	1,311	69%	1934	455	96%	24%
2001	525	100	625	33%	1990	383	98%	20%
2002	1,278	5	1,283	67%	1988	353	99%	18%
2003	731	149	881	46%	1977	167	100%	9%
Average	1,031	97	1,128	59%		1,128		59%
Maximum	1,408	200	1,498	78%		1,498		78%
Minimum	123	0	167	9%		167		9%

Technical Addendum to the SWP Delivery Reliability Report 2011

MOJAVE WA: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (82.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (82.8 TAF)
1922	13	0	13	15%	1939	83	0%	100%
1923	25	49	74	90%	1953	80	1%	96%
1924	21	28	49	59%	1976	79	2%	96%
1925	28	2	30	36%	1928	79	4%	95%
1926	31	10	41	50%	1985	77	5%	93%
1927	13	12	24	29%	1938	77	6%	93%
1928	30	49	79	95%	1923	74	7%	90%
1929	20	19	39	47%	1968	74	9%	89%
1930	26	1	27	33%	1979	74	10%	89%
1931	26	3	29	35%	1966	73	11%	88%
1932	26	2	28	34%	1999	72	12%	87%
1933	26	6	32	39%	1963	72	14%	87%
1934	17	8	24	30%	1942	70	15%	85%
1935	12	1	13	16%	1946	70	16%	84%
1936	17	17	34	41%	1954	69	17%	84%
1937	15	39	54	65%	1975	67	19%	81%
1938	17	60	77	93%	1970	63	20%	76%
1939	17	66	83	100%	1959	61	21%	74%
1940	20	18	38	46%	1971	59	22%	71%
1941	15	11	26	32%	1952	56	23%	68%
1942	14	56	70	85%	1974	56	25%	67%
1943	15	29	43	52%	1948	56	26%	67%
1944	33	16	49	59%	1983	55	27%	67%
1945	13	12	25	30%	1937	54	28%	65%
1946	20	49	70	84%	1996	51	30%	61%
1947	15	34	49	59%	1984	51	31%	61%
1948	30	25	56	67%	1994	50	32%	60%
1949	30	11	41	50%	2003	50	33%	60%
1950	30	19	49	59%	1924	49	35%	59%
1951	13	6	19	23%	1950	49	36%	59%
1952	16	41	56	68%	1947	49	37%	59%
1953	19	61	80	96%	1944	49	38%	59%
1954	33	36	69	84%	1997	49	40%	59%
1955	26	15	41	50%	1981	48	41%	58%
1956	15	5	20	24%	1964	47	42%	57%
1957	32	12	44	53%	1961	46	43%	56%
1958	17	12	29	35%	1980	45	44%	55%
1959	31	29	61	74%	1969	45	46%	55%
1960	32	12	43	52%	1957	44	47%	53%
1961	35	12	46	56%	1943	43	48%	52%
1962	15	14	29	35%	1960	43	49%	52%
1963	31	41	72	87%	1972	42	51%	51%
1964	29	18	47	57%	1926	41	52%	50%

MOJAVE WA (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (82.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (82.8 TAF)
1965	13	20	33	40%	1949	41	53%	50%
1966	25	49	73	88%	1955	41	54%	50%
1967	14	27	41	49%	1967	41	56%	49%
1968	22	52	74	89%	1990	40	57%	49%
1969	17	28	45	55%	1929	39	58%	47%
1970	13	50	63	76%	2001	39	59%	47%
1971	34	25	59	71%	2000	38	60%	46%
1972	30	13	42	51%	1986	38	62%	46%
1973	15	20	35	42%	1940	38	63%	46%
1974	14	42	56	67%	1998	36	64%	44%
1975	12	55	67	81%	1973	35	65%	42%
1976	34	46	79	96%	1936	34	67%	41%
1977	5	14	19	23%	1965	33	68%	40%
1978	16	0	16	19%	1933	32	69%	39%
1979	13	60	74	89%	1987	32	70%	38%
1980	16	29	45	55%	1925	30	72%	36%
1981	32	16	48	58%	1982	29	73%	35%
1982	17	12	29	35%	1962	29	74%	35%
1983	17	38	55	67%	1931	29	75%	35%
1984	13	37	51	61%	1958	29	77%	35%
1985	25	52	77	93%	1932	28	78%	34%
1986	15	23	38	46%	1930	27	79%	33%
1987	27	5	32	38%	1995	27	80%	32%
1988	13	10	22	27%	1941	26	81%	32%
1989	13	1	14	16%	1991	26	83%	31%
1990	9	31	40	49%	1945	25	84%	30%
1991	26	1	26	31%	1934	24	85%	30%
1992	18	2	20	24%	1927	24	86%	29%
1993	14	1	15	18%	1988	22	88%	27%
1994	30	20	50	60%	1956	20	89%	24%
1995	16	11	27	32%	1992	20	90%	24%
1996	13	37	51	61%	1951	19	91%	23%
1997	15	34	49	59%	1977	19	93%	23%
1998	17	20	36	44%	1978	16	94%	19%
1999	13	59	72	87%	1993	15	95%	18%
2000	22	17	38	46%	2002	14	96%	17%
2001	21	18	39	47%	1989	14	98%	16%
2002	13	1	14	17%	1935	13	99%	16%
2003	28	22	50	60%	1922	13	100%	15%
Average	20	24	44	54%		44		54%
Maximum	35	66	83	100%		83		100%
Minimum	5	0	13	15%		13		15%

Technical Addendum to the SWP Delivery Reliability Report 2011

NAPA COUNTY FC&WCD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (29.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (29.3 TAF)
1922	15	0	15	50%	1938	28	0%	96%
1923	14	7	21	71%	1998	26	1%	89%
1924	7	5	12	42%	1942	25	2%	84%
1925	11	1	12	40%	1943	25	4%	84%
1926	12	3	15	52%	1999	25	5%	84%
1927	15	3	18	61%	1996	24	6%	83%
1928	14	7	21	71%	1979	24	7%	82%
1929	7	4	11	38%	1969	24	9%	81%
1930	9	1	10	33%	1952	24	10%	81%
1931	9	1	10	34%	1937	24	11%	81%
1932	10	1	11	37%	1997	24	12%	81%
1933	10	2	12	40%	1939	23	14%	79%
1934	6	2	8	27%	1982	23	15%	78%
1935	14	0	14	49%	1958	23	16%	78%
1936	14	6	20	67%	1983	23	17%	78%
1937	18	6	24	81%	1974	23	19%	77%
1938	20	8	28	96%	1984	22	20%	76%
1939	14	9	23	79%	1953	22	21%	76%
1940	14	4	18	61%	1970	22	22%	74%
1941	18	4	21	73%	1959	22	23%	74%
1942	16	8	25	84%	1975	22	25%	73%
1943	17	8	25	84%	1941	21	26%	73%
1944	13	6	19	63%	1995	21	27%	73%
1945	15	3	18	61%	1986	21	28%	73%
1946	14	7	21	71%	1968	21	30%	72%
1947	14	5	19	65%	1985	21	31%	72%
1948	12	6	18	62%	1980	21	32%	72%
1949	14	3	17	57%	1923	21	33%	71%
1950	12	4	16	55%	1946	21	35%	71%
1951	16	1	17	58%	1966	21	36%	71%
1952	16	7	24	81%	1928	21	37%	71%
1953	14	9	22	76%	1971	21	38%	70%
1954	14	6	19	66%	1967	21	40%	70%
1955	10	4	14	48%	1963	20	41%	68%
1956	18	1	19	65%	1936	20	42%	67%
1957	12	4	17	57%	2000	20	43%	67%
1958	20	3	23	78%	1954	19	44%	66%
1959	12	9	22	74%	1947	19	46%	65%
1960	12	3	16	53%	1956	19	47%	65%
1961	14	3	17	57%	1965	19	48%	65%
1962	14	4	17	59%	1994	19	49%	64%
1963	14	6	20	68%	1976	19	51%	64%
1964	14	4	18	61%	1944	19	52%	63%

NAPA COUNTY FC&WCD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (29.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (29.3 TAF)
1965	15	4	19	65%	1981	18	53%	63%
1966	14	7	21	71%	1978	18	54%	62%
1967	16	5	21	70%	1948	18	56%	62%
1968	14	7	21	72%	1973	18	57%	61%
1969	19	5	24	81%	1945	18	58%	61%
1970	16	6	22	74%	1940	18	59%	61%
1971	13	7	21	70%	1964	18	60%	61%
1972	14	3	17	58%	1927	18	62%	61%
1973	14	4	18	61%	1962	17	63%	59%
1974	17	6	23	77%	1972	17	64%	58%
1975	14	8	22	73%	1951	17	65%	58%
1976	12	6	19	64%	1957	17	67%	57%
1977	2	3	5	18%	1949	17	68%	57%
1978	18	0	18	62%	1961	17	69%	57%
1979	16	8	24	82%	1993	16	70%	56%
1980	18	3	21	72%	1950	16	72%	55%
1981	13	6	18	63%	1960	16	73%	53%
1982	20	3	23	78%	1989	15	74%	52%
1983	20	3	23	78%	2002	15	75%	52%
1984	16	7	22	76%	1926	15	77%	52%
1985	14	7	21	72%	1922	15	78%	50%
1986	17	4	21	73%	1935	14	79%	49%
1987	11	2	12	42%	1955	14	80%	48%
1988	4	3	7	24%	2001	13	81%	43%
1989	15	0	15	52%	1987	12	83%	42%
1990	3	7	10	35%	1924	12	84%	42%
1991	6	0	6	21%	1933	12	85%	40%
1992	6	1	7	24%	1925	12	86%	40%
1993	16	0	16	56%	1929	11	88%	38%
1994	12	7	19	64%	1932	11	89%	37%
1995	18	3	21	73%	1990	10	90%	35%
1996	16	9	24	83%	1931	10	91%	34%
1997	17	6	24	81%	1930	10	93%	33%
1998	19	7	26	89%	1934	8	94%	27%
1999	15	9	25	84%	1988	7	95%	24%
2000	14	6	20	67%	1992	7	96%	24%
2001	7	5	13	43%	2003	7	98%	23%
2002	15	0	15	52%	1991	6	99%	21%
2003	0	6	7	23%	1977	5	100%	18%
Average	13	5	18	61%		18		61%
Maximum	20	9	28	96%		28		96%
Minimum	0	0	5	18%		5		18%

Technical Addendum to the SWP Delivery Reliability Report 2011

OAK FLAT WD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.7 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.7 TAF)
1922	4	0	4	66%	1938	6	0%	99%
1923	3	1	4	70%	1983	6	1%	98%
1924	2	0	2	32%	1998	5	2%	96%
1925	3	0	3	48%	1969	5	4%	92%
1926	3	0	3	54%	1952	5	5%	91%
1927	4	0	4	65%	1980	5	6%	90%
1928	3	1	4	69%	1958	5	7%	88%
1929	2	0	2	29%	1982	5	9%	88%
1930	2	0	2	37%	1937	5	10%	86%
1931	2	0	2	35%	1997	5	11%	86%
1932	2	0	2	42%	1943	5	12%	85%
1933	2	0	2	42%	1942	5	14%	84%
1934	1	0	1	23%	1941	5	15%	84%
1935	4	0	4	62%	1995	5	16%	82%
1936	3	0	4	69%	1970	5	17%	82%
1937	5	0	5	86%	1996	5	19%	81%
1938	5	1	6	99%	1999	5	20%	81%
1939	3	1	4	72%	1974	5	21%	81%
1940	3	0	4	62%	1979	5	22%	80%
1941	4	0	5	84%	1984	5	23%	80%
1942	4	1	5	84%	1978	5	25%	80%
1943	4	1	5	85%	1986	5	26%	80%
1944	3	1	4	66%	1956	4	27%	79%
1945	4	0	4	65%	1967	4	28%	74%
1946	3	1	4	69%	1939	4	30%	72%
1947	3	0	4	66%	1953	4	31%	72%
1948	3	0	3	59%	1975	4	32%	71%
1949	3	0	3	60%	1993	4	33%	71%
1950	3	0	3	53%	1968	4	35%	70%
1951	4	0	4	69%	1985	4	36%	70%
1952	5	1	5	91%	2000	4	37%	70%
1953	3	1	4	72%	1923	4	38%	70%
1954	3	0	4	66%	1966	4	40%	70%
1955	3	0	3	45%	1951	4	41%	69%
1956	4	0	4	79%	1936	4	42%	69%
1957	3	1	4	65%	1936	4	43%	69%
1958	5	0	5	88%	1928	4	44%	69%
1959	3	1	4	66%	1965	4	46%	67%
1960	3	0	3	54%	1963	4	47%	67%
1961	3	0	3	59%	1963	4	48%	67%
1962	3	0	3	61%	1981	4	49%	67%
1963	3	0	4	67%	1959	4	51%	66%
1964	3	0	4	62%	1944	4	52%	66%

OAK FLAT WD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.7 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.7 TAF)
1965	4	0	4	67%	1944	4	53%	66%
1966	3	1	4	70%	1976	4	54%	66%
1967	4	0	4	74%	1989	4	56%	66%
1968	3	1	4	70%	2002	4	57%	66%
1969	5	0	5	92%	1922	4	58%	66%
1970	4	1	5	82%	1954	4	59%	66%
1971	3	1	4	67%	1927	4	60%	65%
1972	3	0	3	60%	1927	4	62%	65%
1973	3	0	4	63%	1957	4	63%	65%
1974	4	0	5	81%	1973	4	64%	63%
1975	3	1	4	71%	1935	4	65%	62%
1976	3	0	4	66%	1940	4	67%	62%
1977	0	0	0	7%	1964	4	68%	62%
1978	5	0	5	80%	2003	3	69%	61%
1979	4	1	5	80%	1962	3	70%	61%
1980	5	0	5	90%	1994	3	72%	60%
1981	3	1	4	67%	1972	3	73%	60%
1982	5	0	5	88%	1949	3	74%	60%
1983	5	1	6	98%	1948	3	75%	59%
1984	4	1	5	80%	1961	3	77%	59%
1985	3	1	4	70%	1960	3	78%	54%
1986	4	0	5	80%	1926	3	79%	54%
1987	3	0	3	52%	1950	3	80%	53%
1988	1	0	1	17%	1987	3	81%	52%
1989	4	0	4	66%	1925	3	83%	48%
1990	1	1	1	22%	1955	3	84%	45%
1991	2	0	2	34%	1933	2	85%	42%
1992	1	0	1	24%	1932	2	86%	42%
1993	4	0	4	71%	1930	2	88%	37%
1994	3	1	3	60%	1931	2	89%	35%
1995	5	0	5	82%	1991	2	90%	34%
1996	4	1	5	81%	2001	2	91%	33%
1997	4	1	5	86%	1924	2	93%	32%
1998	5	1	5	96%	1929	2	94%	29%
1999	4	1	5	81%	1992	1	95%	24%
2000	3	1	4	70%	1934	1	96%	23%
2001	2	0	2	33%	1990	1	98%	22%
2002	4	0	4	66%	1988	1	99%	17%
2003	3	1	3	61%	1977	0	100%	7%
Average	3	0	4	65%		4		65%
Maximum	5	1	6	99%		6		99%
Minimum	0	0	0	7%		0		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

PALMDALE WD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (21.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (21.3 TAF)
1922	13	0	13	59%	1938	21	0%	98%
1923	12	3	16	74%	1983	21	1%	97%
1924	6	1	7	35%	1998	20	2%	95%
1925	10	0	10	48%	1952	19	4%	90%
1926	11	0	11	54%	1980	19	5%	88%
1927	12	0	13	59%	1969	19	6%	87%
1928	12	3	16	74%	1943	18	7%	85%
1929	6	1	6	30%	1997	18	9%	85%
1930	8	0	8	37%	1942	18	10%	85%
1931	7	0	7	35%	1970	18	11%	83%
1932	9	0	9	41%	1937	18	12%	83%
1933	9	0	9	42%	1999	18	14%	82%
1934	5	0	5	23%	1996	18	15%	82%
1935	12	0	12	56%	1979	17	16%	82%
1936	12	3	15	71%	1984	17	17%	81%
1937	15	2	18	83%	1941	17	19%	80%
1938	17	4	21	98%	1939	17	20%	80%
1939	12	5	17	80%	1958	17	21%	79%
1940	12	1	13	59%	1958	17	22%	79%
1941	15	2	17	80%	1974	17	23%	79%
1942	14	4	18	85%	1953	16	25%	76%
1943	14	4	18	85%	1959	16	26%	75%
1944	12	4	16	73%	1981	16	27%	75%
1945	13	0	13	59%	1985	16	28%	74%
1946	12	3	15	72%	1928	16	30%	74%
1947	12	2	14	65%	1986	16	31%	74%
1948	11	3	14	65%	1995	16	32%	74%
1949	12	0	13	59%	1971	16	33%	74%
1950	11	1	12	54%	1968	16	35%	74%
1951	13	0	13	62%	1923	16	36%	74%
1952	16	4	19	90%	2000	16	37%	74%
1953	12	4	16	76%	1944	16	38%	73%
1954	13	2	15	69%	1966	16	40%	73%
1955	10	0	10	46%	1975	15	41%	73%
1956	15	0	15	71%	1946	15	42%	72%
1957	11	3	15	69%	1978	15	43%	72%
1958	17	0	17	79%	1976	15	44%	72%
1959	11	5	16	75%	1963	15	46%	71%
1960	11	0	12	54%	1936	15	47%	71%
1961	13	0	13	59%	1956	15	48%	71%
1962	12	0	12	56%	1954	15	49%	69%
1963	12	3	15	71%	1954	15	51%	69%
1964	12	1	13	61%	1957	15	52%	69%

PALMDALE WD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (21.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (21.3 TAF)
1965	12	1	13	62%	1994	14	53%	68%
1966	12	3	16	73%	1947	14	54%	65%
1967	13	1	15	69%	1948	14	56%	65%
1968	12	4	16	74%	1993	14	57%	64%
1969	17	2	19	87%	1951	13	58%	62%
1970	13	5	18	83%	1965	13	59%	62%
1971	12	4	16	74%	1964	13	60%	61%
1972	12	0	13	59%	1989	13	62%	60%
1973	12	1	13	59%	1940	13	63%	59%
1974	14	3	17	79%	1945	13	64%	59%
1975	12	4	15	73%	1922	13	65%	59%
1976	12	3	15	72%	1922	13	67%	59%
1977	1	0	1	7%	1922	13	68%	59%
1978	15	0	15	72%	2002	13	69%	59%
1979	13	4	17	82%	1927	13	70%	59%
1980	16	3	19	88%	1972	13	72%	59%
1981	12	4	16	75%	1949	13	73%	59%
1982	17	0	17	79%	2003	12	74%	57%
1983	17	4	21	97%	1935	12	75%	56%
1984	13	4	17	81%	1962	12	77%	56%
1985	12	4	16	74%	1950	12	78%	54%
1986	15	1	16	74%	1960	12	79%	54%
1987	10	1	11	51%	1926	11	80%	54%
1988	4	0	4	17%	1987	11	81%	51%
1989	13	0	13	60%	1925	10	83%	48%
1990	3	3	6	28%	1955	10	84%	46%
1991	7	0	7	34%	1933	9	85%	42%
1992	5	0	5	24%	1932	9	86%	41%
1993	14	0	14	64%	1930	8	88%	37%
1994	11	4	14	68%	2001	8	89%	36%
1995	16	0	16	74%	1924	7	90%	35%
1996	13	4	18	82%	1931	7	91%	35%
1997	15	4	18	85%	1991	7	93%	34%
1998	16	4	20	95%	1929	6	94%	30%
1999	13	4	18	82%	1990	6	95%	28%
2000	12	4	16	74%	1992	5	96%	24%
2001	6	2	8	36%	1934	5	98%	23%
2002	13	0	13	59%	1988	4	99%	17%
2003	9	3	12	57%	1977	1	100%	7%
Average	12	2	14	64%		14		64%
Maximum	17	5	21	98%		21		98%
Minimum	1	0	1	7%		1		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

SAN BERNARDINO VALLEY MWD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (102.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (102.6 TAF)
1922	69	0	69	68%	1938	102	0%	99%
1923	59	8	67	65%	1983	100	1%	97%
1924	28	6	34	33%	1969	99	2%	96%
1925	45	1	46	45%	1998	99	4%	96%
1926	50	5	54	53%	1982	98	5%	96%
1927	69	5	74	72%	1958	98	6%	96%
1928	57	7	65	63%	1952	94	7%	91%
1929	26	6	33	32%	1980	92	9%	90%
1930	35	1	36	35%	1995	92	10%	89%
1931	34	2	36	35%	1937	91	11%	89%
1932	39	2	41	40%	1941	89	12%	87%
1933	40	3	43	42%	1997	88	14%	86%
1934	22	4	26	25%	1943	88	15%	85%
1935	66	1	67	65%	1942	86	16%	84%
1936	62	7	70	68%	1986	86	17%	84%
1937	84	7	91	89%	1956	85	19%	83%
1938	93	9	102	99%	1978	85	20%	83%
1939	57	10	67	65%	1974	84	21%	82%
1940	62	6	68	66%	1996	83	22%	81%
1941	82	7	89	87%	1979	82	23%	80%
1942	77	9	86	84%	1970	80	25%	78%
1943	79	8	88	85%	1967	80	26%	78%
1944	52	9	60	59%	1984	80	27%	78%
1945	69	6	75	73%	1999	78	28%	76%
1946	61	7	69	67%	1993	76	30%	74%
1947	63	7	70	68%	1951	76	31%	74%
1948	48	7	55	54%	1945	75	32%	73%
1949	57	5	62	61%	1945	75	33%	73%
1950	48	6	54	52%	1927	74	35%	72%
1951	73	2	76	74%	1975	73	36%	71%
1952	86	8	94	91%	1953	71	37%	69%
1953	62	9	71	69%	1989	71	38%	69%
1954	56	7	62	61%	1947	70	40%	68%
1955	41	6	47	46%	2002	70	41%	68%
1956	83	2	85	83%	1936	70	42%	68%
1957	50	9	59	57%	1973	69	43%	68%
1958	93	5	98	96%	1922	69	44%	68%
1959	50	10	60	58%	1962	69	46%	67%
1960	50	5	55	54%	1946	69	47%	67%
1961	55	5	60	59%	1968	69	48%	67%
1962	63	6	69	67%	1968	69	49%	67%
1963	57	7	64	62%	1940	68	51%	66%
1964	58	6	64	62%	1985	67	52%	66%

SAN BERNARDINO VALLEY MWD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (102.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (102.6 TAF)
1965	69	6	75	73%	1966	67	53%	65%
1966	60	7	67	65%	1939	67	54%	65%
1967	74	6	80	78%	1923	67	56%	65%
1968	61	8	69	67%	1935	67	57%	65%
1969	93	6	99	96%	1928	65	58%	63%
1970	73	7	80	78%	1964	64	59%	62%
1971	53	8	61	60%	1963	64	60%	62%
1972	57	6	63	62%	1972	63	62%	62%
1973	63	6	69	68%	1954	62	63%	61%
1974	78	7	84	82%	1949	62	64%	61%
1975	64	8	73	71%	1971	61	65%	60%
1976	53	7	60	59%	1981	61	67%	59%
1977	6	6	12	12%	1961	60	68%	59%
1978	85	0	85	83%	1976	60	69%	59%
1979	73	9	82	80%	1944	60	70%	59%
1980	86	6	92	90%	1959	60	72%	58%
1981	51	9	61	59%	1957	59	73%	57%
1982	93	6	98	96%	1960	55	74%	54%
1983	93	7	100	97%	1948	55	75%	54%
1984	73	6	80	78%	1994	55	77%	54%
1985	60	8	67	66%	1926	54	78%	53%
1986	80	5	86	84%	1950	54	79%	52%
1987	42	6	48	47%	1987	48	80%	47%
1988	17	5	21	21%	1955	47	81%	46%
1989	70	1	71	69%	1925	46	83%	45%
1990	12	8	20	19%	1933	43	84%	42%
1991	33	0	34	33%	2003	41	85%	40%
1992	23	1	25	24%	1932	41	86%	40%
1993	75	1	76	74%	1930	36	88%	35%
1994	47	8	55	54%	1931	36	89%	35%
1995	87	5	92	89%	1924	34	90%	33%
1996	73	9	83	81%	2001	34	91%	33%
1997	80	8	88	86%	1991	34	93%	33%
1998	90	9	99	96%	1929	33	94%	32%
1999	73	6	78	76%	1934	26	95%	25%
2000	61	8	69	67%	1992	25	96%	24%
2001	27	7	34	33%	1988	21	98%	21%
2002	69	1	70	68%	1990	20	99%	19%
2003	33	7	41	40%	1977	12	100%	12%
Average	60	6	66	64%		66		64%
Maximum	93	10	102	99%		102		99%
Minimum	6	0	12	12%		12		12%

Technical Addendum to the SWP Delivery Reliability Report 2011

SAN GABRIEL VALLEY MWD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (28.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (28.8 TAF)
1922	22	0	22	75%	1969	29	0%	100%
1923	18	0	18	64%	1982	29	1%	100%
1924	8	0	8	29%	1958	29	2%	100%
1925	14	0	14	48%	1938	29	4%	100%
1926	15	0	15	54%	1938	29	5%	100%
1927	21	0	21	74%	1998	28	6%	97%
1928	18	0	18	62%	1995	27	7%	93%
1929	8	0	8	27%	1980	27	9%	93%
1930	11	0	11	37%	1952	27	10%	93%
1931	10	0	10	35%	1978	26	11%	91%
1932	12	0	12	41%	1937	26	12%	91%
1933	12	0	12	42%	1956	26	14%	90%
1934	7	0	7	23%	1941	26	15%	89%
1935	20	0	20	71%	1997	25	16%	87%
1936	19	0	19	67%	1986	25	17%	87%
1937	26	0	26	91%	1943	25	19%	85%
1938	29	0	29	100%	1974	24	20%	84%
1939	18	0	18	62%	1942	24	21%	83%
1940	19	0	19	67%	1993	23	22%	81%
1941	26	0	26	89%	1967	23	23%	79%
1942	24	0	24	83%	1996	23	25%	79%
1943	25	0	25	85%	1984	23	26%	79%
1944	16	0	16	56%	1951	23	27%	79%
1945	21	0	21	75%	1951	23	28%	79%
1946	19	0	19	66%	1970	23	30%	79%
1947	20	0	20	68%	1999	23	31%	78%
1948	15	0	15	52%	1989	22	32%	75%
1949	18	0	18	62%	1922	22	33%	75%
1950	15	0	15	51%	2002	22	35%	75%
1951	23	0	23	79%	1945	21	36%	75%
1952	27	0	27	93%	1927	21	37%	74%
1953	19	0	19	67%	1965	21	38%	74%
1954	17	0	17	60%	1935	20	40%	71%
1955	13	0	13	45%	1975	20	41%	70%
1956	26	0	26	90%	1947	20	42%	68%
1957	16	0	16	54%	1973	20	43%	68%
1958	29	0	29	100%	1962	20	44%	68%
1959	16	0	16	54%	1936	19	46%	67%
1960	16	0	16	54%	1953	19	47%	67%
1961	17	0	17	59%	1940	19	48%	67%
1962	20	0	20	68%	1946	19	49%	66%
1963	18	0	18	61%	2000	19	51%	66%
1964	18	0	18	62%	1968	19	52%	66%

SAN GABRIEL VALLEY MWD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (28.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (28.8 TAF)
1965	21	0	21	74%	1966	19	53%	64%
1966	19	0	19	64%	1985	19	54%	64%
1967	23	0	23	79%	1923	18	56%	64%
1968	19	0	19	66%	1964	18	57%	62%
1969	29	0	29	100%	1972	18	58%	62%
1970	23	0	23	79%	1928	18	59%	62%
1971	17	0	17	58%	1949	18	60%	62%
1972	18	0	18	62%	1939	18	62%	62%
1973	20	0	20	68%	1963	18	63%	61%
1974	24	0	24	84%	1954	17	64%	60%
1975	20	0	20	70%	1961	17	65%	59%
1976	17	0	17	57%	1971	17	67%	58%
1977	2	0	2	7%	1976	17	68%	57%
1978	26	0	26	91%	1944	16	69%	56%
1979	23	0	23	79%	1981	16	70%	55%
1980	27	0	27	93%	1960	16	72%	54%
1981	16	0	16	55%	1959	16	73%	54%
1982	29	0	29	100%	1957	16	74%	54%
1983	29	0	29	100%	1926	15	75%	54%
1984	23	0	23	79%	1948	15	77%	52%
1985	19	0	19	64%	1950	15	78%	51%
1986	25	0	25	87%	1994	15	79%	51%
1987	13	0	13	46%	1925	14	80%	48%
1988	5	0	5	17%	2003	14	81%	47%
1989	22	0	22	75%	1987	13	83%	46%
1990	4	0	4	12%	1955	13	84%	45%
1991	10	0	10	34%	1933	12	85%	42%
1992	7	0	7	24%	1932	12	86%	41%
1993	23	0	23	81%	1930	11	88%	37%
1994	15	0	15	51%	1931	10	89%	35%
1995	27	0	27	93%	1991	10	90%	34%
1996	23	0	23	79%	1924	8	91%	29%
1997	25	0	25	87%	2001	8	93%	28%
1998	28	0	28	97%	1929	8	94%	27%
1999	23	0	23	78%	1992	7	95%	24%
2000	19	0	19	66%	1934	7	96%	23%
2001	8	0	8	28%	1988	5	98%	17%
2002	22	0	22	75%	1990	4	99%	12%
2003	14	0	14	47%	1977	2	100%	7%
Average	19	0	19	65%		19		65%
Maximum	29	0	29	100%		29		100%
Minimum	2	0	2	7%		2		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

SAN GORGONIO PASS WA: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (17.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (17.3 TAF)
1922	7	0	7	42%	1939	17	0%	98%
1923	9	6	14	83%	1959	15	1%	87%
1924	5	3	7	43%	1952	15	2%	87%
1925	8	0	8	46%	1928	15	4%	86%
1926	9	0	9	53%	1942	15	5%	86%
1927	7	0	8	44%	1953	15	6%	86%
1928	9	6	15	86%	1953	15	7%	86%
1929	5	2	6	35%	1976	15	9%	85%
1930	6	0	6	36%	1971	15	10%	85%
1931	6	0	6	35%	1979	15	11%	85%
1932	7	0	7	41%	1985	15	12%	84%
1933	7	0	7	42%	1997	14	14%	83%
1934	4	0	4	24%	1923	14	15%	83%
1935	7	0	7	40%	1968	14	16%	82%
1936	7	4	11	64%	1943	14	17%	82%
1937	9	4	13	75%	1966	14	19%	82%
1938	10	3	13	72%	1963	14	20%	80%
1939	9	8	17	98%	1946	14	21%	79%
1940	8	1	9	53%	1998	14	22%	78%
1941	9	2	11	63%	1954	13	23%	78%
1942	8	7	15	86%	1948	13	25%	77%
1943	8	6	14	82%	1975	13	26%	76%
1944	9	3	13	73%	1937	13	27%	75%
1945	7	0	8	44%	1974	13	28%	74%
1946	8	6	14	79%	1994	13	30%	73%
1947	7	4	11	62%	1944	13	31%	73%
1948	9	5	13	77%	1938	13	32%	72%
1949	9	0	10	56%	1969	13	33%	72%
1950	8	1	10	58%	1981	12	35%	72%
1951	8	0	8	45%	2000	12	36%	67%
1952	9	6	15	87%	1957	11	37%	66%
1953	8	7	15	86%	1983	11	38%	66%
1954	10	4	13	78%	1936	11	40%	64%
1955	7	1	8	47%	2003	11	41%	63%
1956	9	0	9	51%	1941	11	42%	63%
1957	9	3	11	66%	1947	11	43%	62%
1958	10	0	10	58%	1986	11	44%	61%
1959	9	6	15	87%	1964	10	46%	60%
1960	9	0	9	54%	1967	10	47%	60%
1961	10	0	10	59%	1961	10	48%	59%
1962	7	1	8	44%	1980	10	49%	59%
1963	9	5	14	80%	1982	10	51%	58%
1964	9	1	10	60%	1958	10	52%	58%

SAN GORGONIO PASS WA (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (17.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (17.3 TAF)
1965	7	2	9	51%	1950	10	53%	58%
1966	8	6	14	82%	1949	10	54%	56%
1967	8	3	10	60%	1972	10	56%	56%
1968	8	6	14	82%	1995	9	57%	54%
1969	10	3	13	72%	1960	9	58%	54%
1970	8	0	8	46%	1926	9	59%	53%
1971	9	5	15	85%	1940	9	60%	53%
1972	9	0	10	56%	1956	9	62%	51%
1973	7	2	9	50%	1965	9	63%	51%
1974	8	5	13	74%	1978	9	64%	51%
1975	7	6	13	76%	1973	9	65%	50%
1976	9	5	15	85%	1987	9	67%	49%
1977	1	0	2	9%	1999	8	68%	49%
1978	9	0	9	51%	1955	8	69%	47%
1979	8	7	15	85%	2001	8	70%	46%
1980	9	1	10	59%	1925	8	72%	46%
1981	9	3	12	72%	1970	8	73%	46%
1982	10	0	10	58%	1990	8	74%	45%
1983	10	2	11	66%	1993	8	75%	45%
1984	8	0	8	44%	1951	8	77%	45%
1985	8	6	15	84%	1962	8	78%	44%
1986	8	2	11	61%	1945	8	79%	44%
1987	8	1	9	49%	1984	8	80%	44%
1988	3	0	3	19%	1927	8	81%	44%
1989	7	0	7	42%	1924	7	83%	43%
1990	2	6	8	45%	1989	7	84%	42%
1991	6	0	6	33%	1933	7	85%	42%
1992	4	0	4	24%	2002	7	86%	42%
1993	8	0	8	45%	1922	7	88%	42%
1994	8	4	13	73%	1932	7	89%	41%
1995	9	0	9	54%	1935	7	90%	40%
1996	8	7	15	86%	1930	6	91%	36%
1997	8	6	14	83%	1931	6	93%	35%
1998	9	4	14	78%	1929	6	94%	35%
1999	8	1	8	49%	1991	6	95%	33%
2000	8	3	12	67%	1992	4	96%	24%
2001	5	3	8	46%	1934	4	98%	24%
2002	7	0	7	42%	1988	3	99%	19%
2003	6	5	11	63%	1977	2	100%	9%
Average	8	3	10	60%		10		60%
Maximum	10	8	17	98%		17		98%
Minimum	1	0	2	9%		2		9%

Technical Addendum to the SWP Delivery Reliability Report 2011

SAN LUIS OBISPO COUNTY FC&WCD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (25 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (25 TAF)
1922	19	0	19	75%	1938	25	0%	100%
1923	16	0	16	64%	1969	25	1%	100%
1924	7	0	7	29%	1958	25	2%	100%
1925	12	0	12	48%	1958	25	4%	100%
1926	13	0	13	54%	1983	25	5%	100%
1927	19	0	19	74%	1998	24	6%	97%
1928	15	0	15	62%	1995	23	7%	94%
1929	7	0	7	27%	1980	23	9%	93%
1930	9	0	9	37%	1952	23	10%	93%
1931	9	0	9	35%	1978	23	11%	91%
1932	10	0	10	41%	1937	23	12%	91%
1933	11	0	11	42%	1956	22	14%	90%
1934	6	0	6	23%	1941	22	15%	89%
1935	18	0	18	71%	1997	22	16%	87%
1936	17	0	17	67%	1986	22	17%	87%
1937	23	0	23	91%	1943	21	19%	86%
1938	25	0	25	100%	1974	21	20%	84%
1939	15	0	15	62%	1942	21	21%	83%
1940	17	0	17	67%	1993	20	22%	81%
1941	22	0	22	89%	1967	20	23%	80%
1942	21	0	21	83%	1996	20	25%	79%
1943	21	0	21	86%	1984	20	26%	79%
1944	14	0	14	56%	1979	20	27%	79%
1945	19	0	19	75%	1951	20	28%	79%
1946	17	0	17	66%	1970	20	30%	79%
1947	17	0	17	68%	1999	20	31%	79%
1948	13	0	13	52%	1989	19	32%	75%
1949	15	0	15	62%	1922	19	33%	75%
1950	13	0	13	52%	2002	19	35%	75%
1951	20	0	20	79%	1945	19	36%	75%
1952	23	0	23	93%	1927	19	37%	74%
1953	17	0	17	67%	1965	18	38%	74%
1954	15	0	15	60%	1935	18	40%	71%
1955	11	0	11	45%	1975	17	41%	70%
1956	22	0	22	90%	1973	17	42%	68%
1957	13	0	13	54%	1947	17	43%	68%
1958	25	0	25	100%	1962	17	44%	68%
1959	13	0	13	54%	1936	17	46%	67%
1960	14	0	14	54%	1953	17	47%	67%
1961	15	0	15	59%	1940	17	48%	67%
1962	17	0	17	68%	1946	17	49%	66%
1963	15	0	15	61%	2000	16	51%	66%
1964	16	0	16	62%	1968	16	52%	66%

SAN LUIS OBISPO COUNTY FC&WCD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (25 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (25 TAF)
1965	18	0	18	74%	1966	16	53%	64%
1966	16	0	16	64%	1985	16	54%	64%
1967	20	0	20	80%	1923	16	56%	64%
1968	16	0	16	66%	1964	16	57%	62%
1969	25	0	25	100%	1972	16	58%	62%
1970	20	0	20	79%	1928	15	59%	62%
1971	14	0	14	57%	1949	15	60%	62%
1972	16	0	16	62%	1939	15	62%	62%
1973	17	0	17	68%	1963	15	63%	61%
1974	21	0	21	84%	1954	15	64%	60%
1975	17	0	17	70%	1961	15	65%	59%
1976	14	0	14	57%	1971	14	67%	57%
1977	2	0	2	7%	1976	14	68%	57%
1978	23	0	23	91%	1944	14	69%	56%
1979	20	0	20	79%	1981	14	70%	55%
1980	23	0	23	93%	1960	14	72%	54%
1981	14	0	14	55%	1957	13	73%	54%
1982	25	0	25	100%	1959	13	74%	54%
1983	25	0	25	100%	1926	13	75%	54%
1984	20	0	20	79%	1948	13	77%	52%
1985	16	0	16	64%	1950	13	78%	52%
1986	22	0	22	87%	1994	13	79%	51%
1987	11	0	11	46%	1925	12	80%	48%
1988	4	0	4	17%	1987	11	81%	46%
1989	19	0	19	75%	1955	11	83%	45%
1990	3	0	3	12%	1933	11	84%	42%
1991	9	0	9	34%	2003	11	85%	42%
1992	6	0	6	24%	1932	10	86%	41%
1993	20	0	20	81%	1930	9	88%	37%
1994	13	0	13	51%	1931	9	89%	35%
1995	23	0	23	94%	1991	9	90%	34%
1996	20	0	20	79%	1924	7	91%	29%
1997	22	0	22	87%	2001	7	93%	28%
1998	24	0	24	97%	1929	7	94%	27%
1999	20	0	20	79%	1992	6	95%	24%
2000	16	0	16	66%	1934	6	96%	23%
2001	7	0	7	28%	1988	4	98%	17%
2002	19	0	19	75%	1990	3	99%	12%
2003	11	0	11	42%	1977	2	100%	7%
Average	16	0	16	65%		16		65%
Maximum	25	0	25	100%		25		100%
Minimum	2	0	2	7%		2		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

SANTA BARBARA COUNTY FC&WCD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (45.49 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (45.49 TAF)
1922	16	0	16	36%	1939	46	0%	100%
1923	22	18	40	88%	1938	43	1%	95%
1924	13	7	20	44%	1976	42	2%	93%
1925	22	0	22	48%	1928	42	4%	93%
1926	24	0	24	54%	1953	41	5%	90%
1927	16	0	16	36%	1953	41	6%	90%
1928	25	17	42	93%	1985	41	7%	89%
1929	12	3	16	34%	1971	40	9%	88%
1930	17	0	17	37%	1923	40	10%	88%
1931	16	0	16	35%	1966	39	11%	86%
1932	19	0	19	41%	1999	39	12%	86%
1933	19	0	19	42%	1942	39	14%	86%
1934	10	0	10	23%	1968	39	15%	86%
1935	16	0	16	34%	1963	39	16%	86%
1936	18	9	27	60%	1952	39	17%	86%
1937	20	13	33	72%	1970	39	19%	86%
1938	22	21	43	95%	1979	39	20%	85%
1939	22	24	46	100%	1996	38	21%	83%
1940	19	3	22	49%	1954	38	22%	83%
1941	19	6	26	56%	1997	38	23%	83%
1942	18	21	39	86%	1948	38	25%	83%
1943	19	16	35	76%	1983	37	26%	82%
1944	25	9	34	75%	1946	37	27%	82%
1945	16	0	16	36%	1975	35	28%	77%
1946	20	18	37	82%	1943	35	30%	76%
1947	17	10	27	60%	1944	34	31%	75%
1948	24	14	38	83%	1994	34	32%	75%
1949	25	0	25	54%	1981	34	33%	75%
1950	23	3	27	58%	1937	33	35%	72%
1951	17	0	17	38%	1974	33	36%	72%
1952	20	19	39	86%	1998	32	37%	71%
1953	19	22	41	90%	1980	32	38%	71%
1954	26	11	38	83%	1984	32	40%	70%
1955	20	1	21	47%	1957	31	41%	69%
1956	20	0	20	43%	1969	30	42%	67%
1957	25	7	31	69%	2003	30	43%	66%
1958	22	0	22	48%	2000	30	44%	65%
1959	25	16	41	90%	1936	27	46%	60%
1960	25	0	25	54%	1947	27	47%	60%
1961	27	0	27	59%	1964	27	48%	60%
1962	17	0	17	37%	1961	27	49%	59%
1963	25	14	39	86%	1950	27	51%	58%
1964	24	3	27	60%	1941	26	52%	56%

SANTA BARBARA COUNTY FC&WCD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (45.49 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (45.49 TAF)
1965	16	4	20	45%	1986	25	53%	56%
1966	22	17	39	86%	1967	25	54%	55%
1967	17	7	25	55%	1949	25	56%	54%
1968	20	19	39	86%	1960	25	57%	54%
1969	22	8	30	67%	1972	25	58%	54%
1970	17	22	39	86%	1926	24	59%	54%
1971	26	14	40	88%	1987	23	60%	52%
1972	25	0	25	54%	1990	23	62%	50%
1973	17	4	21	45%	1940	22	63%	49%
1974	18	14	33	72%	2001	22	64%	49%
1975	15	20	35	77%	1982	22	65%	48%
1976	26	16	42	93%	1958	22	67%	48%
1977	3	0	3	7%	1925	22	68%	48%
1978	20	0	20	44%	1955	21	69%	47%
1979	17	21	39	85%	1973	21	70%	45%
1980	20	12	32	71%	1995	21	72%	45%
1981	25	9	34	75%	1965	20	73%	45%
1982	22	0	22	48%	1978	20	74%	44%
1983	22	15	37	82%	1924	20	75%	44%
1984	17	15	32	70%	1956	20	77%	43%
1985	22	19	41	89%	1933	19	78%	42%
1986	19	6	25	56%	1932	19	79%	41%
1987	21	3	23	52%	1993	18	80%	39%
1988	8	0	8	17%	1951	17	81%	38%
1989	17	0	17	36%	1962	17	83%	37%
1990	6	17	23	50%	1930	17	84%	37%
1991	15	0	15	34%	1989	17	85%	36%
1992	11	0	11	24%	1922	16	86%	36%
1993	18	0	18	39%	1945	16	88%	36%
1994	23	11	34	75%	1945	16	89%	36%
1995	21	0	21	45%	1927	16	90%	36%
1996	17	20	38	83%	1931	16	91%	35%
1997	19	19	38	83%	1929	16	93%	34%
1998	21	11	32	71%	1935	16	94%	34%
1999	17	22	39	86%	1991	15	95%	34%
2000	20	9	30	65%	1992	11	96%	24%
2001	13	9	22	49%	1934	10	98%	23%
2002	16	0	16	36%	1988	8	99%	17%
2003	18	12	30	66%	1977	3	100%	7%
Average	19	8	28	61%		28		61%
Maximum	27	24	46	100%		46		100%
Minimum	3	0	3	7%		3		7%

Technical Addendum to the SWP Delivery Reliability Report 2011

SANTA CLARA VALLEY WD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (100 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (100 TAF)
1922	54	0	54	54%	1998	89	0%	89%
1923	52	21	73	73%	1952	86	1%	86%
1924	26	12	38	38%	1983	85	2%	85%
1925	43	2	45	45%	1980	83	4%	83%
1926	47	5	53	53%	1942	83	5%	83%
1927	54	6	60	60%	1937	82	6%	82%
1928	52	20	73	73%	1996	81	7%	81%
1929	24	9	34	34%	1969	81	9%	81%
1930	33	2	35	35%	1943	80	10%	80%
1931	31	3	34	34%	1939	80	11%	80%
1932	37	3	40	40%	1974	78	12%	78%
1933	38	4	41	41%	1938	78	14%	78%
1934	20	5	25	25%	1941	78	15%	78%
1935	52	1	53	53%	1953	75	16%	75%
1936	51	18	70	70%	1984	75	17%	75%
1937	66	16	82	82%	1959	74	19%	74%
1938	67	11	78	78%	1985	74	20%	74%
1939	52	28	80	80%	1968	74	21%	74%
1940	51	9	61	61%	1982	73	22%	73%
1941	64	13	78	78%	1986	73	23%	73%
1942	60	22	83	83%	1958	73	25%	73%
1943	62	18	80	80%	1928	73	26%	73%
1944	49	19	68	68%	1995	73	27%	73%
1945	54	6	60	60%	1923	73	28%	73%
1946	52	21	72	72%	1923	73	30%	73%
1947	51	14	65	65%	1975	73	31%	73%
1948	46	17	64	64%	1966	72	32%	72%
1949	52	6	58	58%	1946	72	33%	72%
1950	46	9	55	55%	1971	71	35%	71%
1951	57	3	60	60%	1997	71	36%	71%
1952	67	19	86	86%	1967	70	37%	70%
1953	51	24	75	75%	1976	70	38%	70%
1954	53	15	68	68%	1963	70	40%	70%
1955	40	8	47	47%	2000	70	41%	70%
1956	65	2	67	67%	1936	70	42%	70%
1957	48	15	63	63%	1944	68	43%	68%
1958	67	6	73	73%	1970	68	44%	68%
1959	48	26	74	74%	1954	68	46%	68%
1960	48	6	54	54%	1956	67	47%	67%
1961	52	6	59	59%	1981	67	48%	67%
1962	51	7	58	58%	1978	67	49%	67%
1963	52	17	70	70%	1994	66	51%	66%
1964	52	9	61	61%	1999	65	52%	65%

SANTA CLARA VALLEY WD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (100 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (100 TAF)
1965	54	10	64	64%	1947	65	53%	65%
1966	52	20	72	72%	1948	64	54%	64%
1967	58	12	70	70%	1965	64	56%	64%
1968	52	22	74	74%	1957	63	57%	63%
1969	68	13	81	81%	1964	61	58%	61%
1970	57	11	68	68%	1940	61	59%	61%
1971	51	20	71	71%	1945	60	60%	60%
1972	52	7	59	59%	1973	60	62%	60%
1973	51	10	60	60%	1993	60	63%	60%
1974	61	17	78	78%	1951	60	64%	60%
1975	50	22	73	73%	1927	60	65%	60%
1976	51	19	70	70%	1972	59	67%	59%
1977	6	7	12	12%	1961	59	68%	59%
1978	66	0	67	67%	1949	58	69%	58%
1979	57	15	73	73%	1962	58	70%	58%
1980	68	15	83	83%	1989	56	72%	56%
1981	49	17	67	67%	2002	55	73%	55%
1982	67	6	73	73%	1950	55	74%	55%
1983	66	18	85	85%	1922	54	75%	54%
1984	57	18	75	75%	1960	54	77%	54%
1985	52	22	74	74%	2003	53	78%	53%
1986	63	11	73	73%	1935	53	79%	53%
1987	41	6	46	46%	1926	53	80%	53%
1988	15	5	20	20%	1955	47	81%	47%
1989	55	1	56	56%	1987	46	83%	46%
1990	11	21	32	32%	1925	45	84%	45%
1991	31	1	31	31%	1933	41	85%	41%
1992	21	2	24	24%	1932	40	86%	40%
1993	59	2	60	60%	2001	39	88%	39%
1994	45	21	66	66%	1924	38	89%	38%
1995	67	6	73	73%	1930	35	90%	35%
1996	57	24	81	81%	1931	34	91%	34%
1997	63	8	71	71%	1929	34	93%	34%
1998	68	21	89	89%	1990	32	94%	32%
1999	57	8	65	65%	1991	31	95%	31%
2000	52	18	70	70%	1934	25	96%	25%
2001	25	14	39	39%	1992	24	98%	24%
2002	54	1	55	55%	1988	20	99%	20%
2003	33	20	53	53%	1977	12	100%	12%
Average	50	12	62	62%		62		62%
Maximum	68	28	89	89%		89		89%
Minimum	6	0	12	12%		12		12%

Technical Addendum to the SWP Delivery Reliability Report 2011

SOLANO COUNTY WA: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (47.51 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (47.51 TAF)
1922	18	0	18	37%	1939	43	0%	90%
1923	18	18	36	76%	1942	41	1%	86%
1924	10	12	22	45%	1952	41	2%	86%
1925	16	1	17	36%	1938	40	4%	85%
1926	16	6	22	46%	1996	40	5%	84%
1927	18	7	24	51%	1953	40	6%	83%
1928	19	18	37	77%	1997	39	7%	83%
1929	11	10	21	43%	1983	38	9%	79%
1930	11	1	12	25%	1985	37	10%	78%
1931	10	2	12	24%	1968	37	11%	78%
1932	13	2	15	31%	1943	37	12%	77%
1933	9	4	13	27%	1928	37	14%	77%
1934	8	4	13	26%	1979	37	15%	77%
1935	17	1	18	37%	1975	36	16%	77%
1936	17	10	27	57%	1937	36	17%	76%
1937	22	15	36	76%	1923	36	19%	76%
1938	24	17	40	85%	1966	36	20%	76%
1939	19	24	43	90%	1946	36	21%	75%
1940	18	10	27	58%	1974	35	22%	74%
1941	21	6	27	58%	1969	35	23%	74%
1942	20	21	41	86%	1970	35	25%	73%
1943	20	16	37	77%	1959	35	26%	73%
1944	11	9	21	44%	1963	35	27%	73%
1945	18	7	25	52%	1998	35	28%	73%
1946	18	18	36	75%	1980	34	30%	72%
1947	17	14	31	64%	1976	34	31%	71%
1948	17	14	32	67%	1954	34	32%	71%
1949	19	7	26	55%	1971	34	33%	71%
1950	17	10	27	57%	1948	32	35%	67%
1951	19	3	22	47%	1967	31	36%	65%
1952	22	19	41	86%	1986	31	37%	65%
1953	18	22	40	83%	1982	31	38%	65%
1954	20	14	34	71%	1947	31	40%	64%
1955	15	8	23	49%	1999	31	41%	64%
1956	21	3	24	51%	1958	30	42%	64%
1957	18	7	25	53%	2003	29	43%	60%
1958	24	7	30	64%	1964	29	44%	60%
1959	18	17	35	73%	1995	29	46%	60%
1960	17	7	24	51%	1965	28	47%	59%
1961	13	7	20	42%	1984	28	48%	58%
1962	17	8	25	53%	2000	28	49%	58%
1963	19	15	35	73%	1994	27	51%	58%
1964	19	10	29	60%	1941	27	52%	58%

SOLANO COUNTY WA (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (47.51 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (47.51 TAF)
1965	18	10	28	59%	1940	27	53%	58%
1966	18	18	36	76%	1936	27	54%	57%
1967	19	12	31	65%	1936	27	56%	57%
1968	18	19	37	78%	1950	27	57%	57%
1969	24	12	35	74%	1981	27	58%	56%
1970	19	16	35	73%	1972	26	59%	55%
1971	19	14	34	71%	1949	26	60%	55%
1972	19	7	26	55%	1962	25	62%	53%
1973	17	10	27	57%	1957	25	63%	53%
1974	20	15	35	74%	1945	25	64%	52%
1975	17	20	36	77%	1927	24	65%	51%
1976	17	17	34	71%	1956	24	67%	51%
1977	2	8	10	21%	1960	24	68%	51%
1978	22	0	22	46%	1955	23	69%	49%
1979	19	18	37	77%	1990	23	70%	48%
1980	22	12	34	72%	1951	22	72%	47%
1981	17	9	27	56%	2001	22	73%	46%
1982	24	7	31	65%	1978	22	74%	46%
1983	24	14	38	79%	1926	22	75%	46%
1984	19	9	28	58%	1924	22	77%	45%
1985	18	19	37	78%	1944	21	78%	44%
1986	21	10	31	65%	1929	21	79%	43%
1987	11	3	14	29%	1993	20	80%	42%
1988	7	6	13	27%	1961	20	81%	42%
1989	18	1	19	39%	1989	19	83%	39%
1990	5	18	23	48%	2002	18	84%	39%
1991	13	0	14	29%	1922	18	85%	37%
1992	6	1	7	15%	1935	18	86%	37%
1993	19	1	20	42%	1925	17	88%	36%
1994	16	12	27	58%	1932	15	89%	31%
1995	22	6	29	60%	1991	14	90%	29%
1996	19	21	40	84%	1987	14	91%	29%
1997	21	19	39	83%	1933	13	93%	27%
1998	23	11	35	73%	1988	13	94%	27%
1999	19	12	31	64%	1934	13	95%	26%
2000	18	10	28	58%	1930	12	96%	25%
2001	12	10	22	46%	1931	12	98%	24%
2002	18	1	18	39%	1977	10	99%	21%
2003	17	12	29	60%	1992	7	100%	15%
Average	17	10	27	58%		27		58%
Maximum	24	24	43	90%		43		90%
Minimum	2	0	7	15%		7		15%

Technical Addendum to the SWP Delivery Reliability Report 2011

TULARE LAKE BASIN WSD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (88.92 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (88.92 TAF)
1922	21	0	21	24%	1939	89	0%	100%
1923	34	45	79	89%	1976	84	1%	94%
1924	25	23	49	55%	1928	84	2%	94%
1925	35	0	35	39%	1938	83	4%	94%
1926	39	7	47	52%	1953	83	5%	93%
1927	21	8	30	33%	1985	81	6%	91%
1928	39	45	84	94%	1923	79	7%	89%
1929	24	16	40	45%	1968	78	9%	88%
1930	31	0	31	35%	1979	78	10%	87%
1931	30	1	32	36%	1966	78	11%	87%
1932	32	0	32	36%	1942	77	12%	87%
1933	32	4	36	41%	1942	77	14%	87%
1934	20	5	25	29%	1963	77	15%	86%
1935	20	0	20	23%	1954	74	16%	83%
1936	25	18	44	49%	1946	74	17%	83%
1937	26	35	61	68%	1970	71	19%	80%
1938	28	55	83	94%	1959	71	20%	80%
1939	28	60	89	100%	1975	71	21%	79%
1940	28	15	43	49%	1952	70	22%	79%
1941	25	12	37	42%	1971	69	23%	78%
1942	24	54	77	87%	1983	65	25%	73%
1943	24	31	55	62%	1948	65	26%	73%
1944	41	17	58	65%	1996	62	27%	70%
1945	21	9	30	34%	1974	62	28%	69%
1946	29	45	74	83%	1997	61	30%	69%
1947	23	30	53	60%	1937	61	31%	68%
1948	38	27	65	73%	1994	59	32%	66%
1949	39	8	47	53%	1944	58	33%	65%
1950	38	16	53	60%	1984	58	35%	65%
1951	23	4	26	29%	1981	58	36%	65%
1952	26	44	70	79%	1943	55	37%	62%
1953	27	56	83	93%	1980	54	38%	61%
1954	42	32	74	83%	2003	54	40%	61%
1955	33	12	44	50%	1950	53	41%	60%
1956	26	3	29	32%	1947	53	42%	60%
1957	39	13	53	59%	1969	53	43%	60%
1958	28	8	37	42%	1964	53	44%	59%
1959	39	32	71	80%	1957	53	46%	59%
1960	39	8	48	54%	1961	52	47%	58%
1961	43	8	52	58%	1998	49	48%	55%
1962	23	9	33	37%	1924	49	49%	55%
1963	39	37	77	86%	1960	48	51%	54%
1964	38	15	53	59%	2000	48	52%	54%

TULARE LAKE BASIN WSD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (88.92 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (88.92 TAF)
1965	21	18	39	43%	1972	47	53%	53%
1966	33	45	78	87%	1949	47	54%	53%
1967	23	24	47	53%	1967	47	56%	53%
1968	30	48	78	88%	1926	47	57%	52%
1969	28	25	53	60%	1986	45	58%	51%
1970	22	49	71	80%	2001	44	59%	50%
1971	42	27	69	78%	1955	44	60%	50%
1972	38	9	47	53%	1990	44	62%	50%
1973	23	17	40	45%	1936	44	63%	49%
1974	24	38	62	69%	1940	43	64%	49%
1975	20	51	71	79%	1929	40	65%	45%
1976	42	42	84	94%	1973	40	67%	45%
1977	6	9	15	17%	1965	39	68%	43%
1978	26	0	26	29%	1987	39	69%	43%
1979	23	55	78	87%	1982	37	70%	42%
1980	27	28	54	61%	1941	37	72%	42%
1981	41	17	58	65%	1958	37	73%	42%
1982	28	9	37	42%	1933	36	74%	41%
1983	28	37	65	73%	1925	35	75%	39%
1984	23	35	58	65%	1995	35	77%	39%
1985	33	48	81	91%	1962	33	78%	37%
1986	25	21	45	51%	1932	32	79%	36%
1987	33	5	39	43%	1931	32	80%	36%
1988	15	7	22	25%	1930	31	81%	35%
1989	21	0	21	24%	1991	30	83%	34%
1990	11	33	44	50%	1945	30	84%	34%
1991	30	0	30	34%	1927	30	85%	33%
1992	21	0	21	24%	1956	29	86%	32%
1993	23	0	23	26%	1951	26	88%	29%
1994	37	22	59	66%	1978	26	89%	29%
1995	27	8	35	39%	1934	25	90%	29%
1996	23	40	62	70%	1993	23	91%	26%
1997	25	36	61	69%	1988	22	93%	25%
1998	28	21	49	55%	1989	21	94%	24%
1999	22	55	77	87%	1922	21	95%	24%
2000	30	18	48	54%	1992	21	96%	24%
2001	25	20	44	50%	1992	21	98%	24%
2002	21	0	21	24%	1935	20	99%	23%
2003	30	24	54	61%	1977	15	100%	17%
Average	28	22	51	57%		51		57%
Maximum	43	60	89	100%		89		100%
Minimum	6	0	15	17%		15		17%

Technical Addendum to the SWP Delivery Reliability Report 2011

VENTURA COUNTY WPD: Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (20 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (20 TAF)
1922	15	0	15	75%	1938	20	0%	100%
1923	13	0	13	64%	1983	20	1%	100%
1924	6	0	6	29%	1958	20	2%	100%
1925	10	0	10	48%	1958	20	4%	100%
1926	11	0	11	54%	1982	20	5%	100%
1927	15	0	15	74%	1998	19	6%	97%
1928	12	0	12	62%	1995	19	7%	93%
1929	5	0	5	27%	1980	19	9%	93%
1930	7	0	7	37%	1952	19	10%	93%
1931	7	0	7	35%	1978	18	11%	91%
1932	8	0	8	41%	1937	18	12%	91%
1933	8	0	8	42%	1956	18	14%	90%
1934	5	0	5	23%	1941	18	15%	89%
1935	14	0	14	71%	1986	17	16%	87%
1936	13	0	13	67%	1997	17	17%	87%
1937	18	0	18	91%	1943	17	19%	86%
1938	20	0	20	100%	1974	17	20%	84%
1939	12	0	12	62%	1942	17	21%	84%
1940	13	0	13	66%	1993	16	22%	81%
1941	18	0	18	89%	1967	16	23%	80%
1942	17	0	17	84%	1984	16	25%	79%
1943	17	0	17	86%	1979	16	26%	79%
1944	11	0	11	56%	1951	16	27%	79%
1945	15	0	15	75%	1996	16	28%	79%
1946	13	0	13	66%	1970	16	30%	79%
1947	14	0	14	68%	1999	16	31%	78%
1948	10	0	10	52%	1989	15	32%	76%
1949	12	0	12	62%	1922	15	33%	75%
1950	10	0	10	52%	1945	15	35%	75%
1951	16	0	16	79%	2002	15	36%	75%
1952	19	0	19	93%	1927	15	37%	74%
1953	13	0	13	67%	1965	15	38%	74%
1954	12	0	12	60%	1935	14	40%	71%
1955	9	0	9	45%	1975	14	41%	69%
1956	18	0	18	90%	1947	14	42%	68%
1957	11	0	11	54%	1973	14	43%	68%
1958	20	0	20	100%	1962	14	44%	68%
1959	11	0	11	54%	1936	13	46%	67%
1960	11	0	11	54%	1953	13	47%	67%
1961	12	0	12	59%	1940	13	48%	66%
1962	14	0	14	68%	1946	13	49%	66%
1963	12	0	12	61%	2000	13	51%	66%
1964	12	0	12	62%	1968	13	52%	66%

VENTURA COUNTY WPD (cont'd): Existing Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (20 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (20 TAF)
1965	15	0	15	74%	1966	13	53%	64%
1966	13	0	13	64%	1985	13	54%	64%
1967	16	0	16	80%	1923	13	56%	64%
1968	13	0	13	66%	1964	12	57%	62%
1969	20	0	20	100%	1972	12	58%	62%
1970	16	0	16	79%	1949	12	59%	62%
1971	12	0	12	58%	1928	12	60%	62%
1972	12	0	12	62%	1939	12	62%	62%
1973	14	0	14	68%	1963	12	63%	61%
1974	17	0	17	84%	1954	12	64%	60%
1975	14	0	14	69%	1961	12	65%	59%
1976	11	0	11	57%	1971	12	67%	58%
1977	1	0	1	7%	1976	11	68%	57%
1978	18	0	18	91%	1944	11	69%	56%
1979	16	0	16	79%	1981	11	70%	56%
1980	19	0	19	93%	1957	11	72%	54%
1981	11	0	11	56%	1960	11	73%	54%
1982	20	0	20	100%	1959	11	74%	54%
1983	20	0	20	100%	1926	11	75%	54%
1984	16	0	16	79%	1948	10	77%	52%
1985	13	0	13	64%	1950	10	78%	52%
1986	17	0	17	87%	1994	10	79%	51%
1987	9	0	9	46%	1925	10	80%	48%
1988	3	0	3	17%	1987	9	81%	46%
1989	15	0	15	76%	1955	9	83%	45%
1990	2	0	2	12%	1933	8	84%	42%
1991	7	0	7	34%	1932	8	85%	41%
1992	5	0	5	24%	1930	7	86%	37%
1993	16	0	16	81%	1931	7	88%	35%
1994	10	0	10	51%	1991	7	89%	34%
1995	19	0	19	93%	1924	6	90%	29%
1996	16	0	16	79%	2001	6	91%	28%
1997	17	0	17	87%	1929	5	93%	27%
1998	19	0	19	97%	2003	5	94%	26%
1999	16	0	16	78%	1992	5	95%	24%
2000	13	0	13	66%	1934	5	96%	23%
2001	6	0	6	28%	1988	3	98%	17%
2002	15	0	15	75%	1990	2	99%	12%
2003	5	0	5	26%	1977	1	100%	7%
Average	13	0	13	64%		13		64%
Maximum	20	0	20	100%		20		100%
Minimum	1	0	1	7%		1		7%

Individual Contractor Table A Deliveries – Future Conditions

The tables on the following pages show the Table A deliveries for each State Water Contractor for the Future Conditions scenario interpolated for 2031 level of climate change.

ALAMEDA COUNTY FC&WCD-ZONE 7: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (80.62 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (80.62 TAF)
1922	54	0	54	66%	1983	80	0%	100%
1923	47	2	48	60%	1938	80	1%	100%
1924	14	1	15	19%	1969	80	2%	99%
1925	33	0	33	41%	1982	78	4%	96%
1926	44	0	44	55%	1998	73	5%	90%
1927	57	1	58	72%	1995	71	6%	88%
1928	51	2	53	65%	1980	68	7%	85%
1929	19	1	20	25%	1937	67	9%	83%
1930	30	0	30	37%	1956	66	10%	81%
1931	29	0	29	36%	1997	65	11%	80%
1932	29	0	29	36%	1958	65	12%	80%
1933	33	0	33	42%	1952	64	14%	80%
1934	17	0	18	22%	1986	63	15%	78%
1935	55	0	55	68%	1951	63	16%	78%
1936	52	2	53	66%	1984	62	17%	78%
1937	65	1	67	83%	1978	62	19%	77%
1938	78	2	80	100%	1941	62	20%	77%
1939	37	1	38	47%	1943	61	21%	75%
1940	53	1	54	67%	1974	59	22%	73%
1941	61	1	62	77%	1962	59	23%	73%
1942	54	1	54	67%	1945	59	25%	73%
1943	59	2	61	75%	1965	58	26%	72%
1944	33	2	34	43%	1927	58	27%	72%
1945	59	0	59	73%	1967	58	28%	72%
1946	50	2	52	64%	1996	57	30%	71%
1947	43	1	45	56%	1973	57	31%	70%
1948	46	1	47	58%	1970	56	32%	70%
1949	28	1	29	36%	1993	56	33%	69%
1950	53	0	53	66%	1999	56	35%	69%
1951	62	1	63	78%	1975	56	36%	69%
1952	63	2	64	80%	1985	55	37%	68%
1953	47	2	48	60%	1935	55	38%	68%
1954	47	1	48	59%	1979	55	40%	68%
1955	29	1	31	38%	1942	54	41%	67%
1956	65	0	66	81%	2002	54	42%	67%
1957	42	2	44	55%	1940	54	43%	67%
1958	64	1	65	80%	1922	54	44%	66%
1959	46	1	48	59%	1950	53	46%	66%
1960	34	1	35	43%	1936	53	47%	66%
1961	35	0	35	43%	2000	53	48%	66%
1962	59	0	59	73%	1928	53	49%	65%
1963	48	2	49	61%	1968	52	51%	65%
1964	50	1	51	63%	1946	52	52%	64%

ALAMEDA COUNTY FC&WCD-ZONE 7 (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (80.62 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (80.62 TAF)
1965	57	1	58	72%	1964	51	53%	63%
1966	46	2	48	59%	1989	50	54%	62%
1967	57	1	58	72%	1971	49	56%	61%
1968	51	2	52	65%	1976	49	57%	61%
1969	78	1	80	99%	1963	49	58%	61%
1970	55	1	56	70%	1953	48	59%	60%
1971	48	2	49	61%	1923	48	60%	60%
1972	43	1	44	54%	1966	48	62%	59%
1973	56	1	57	70%	1954	48	63%	59%
1974	57	2	59	73%	1959	48	64%	59%
1975	54	2	56	69%	1948	47	65%	58%
1976	48	2	49	61%	1947	45	67%	56%
1977	8	1	9	12%	1926	44	68%	55%
1978	62	0	62	77%	1957	44	69%	55%
1979	53	2	55	68%	1972	44	70%	54%
1980	67	1	68	85%	1981	43	72%	53%
1981	41	2	43	53%	1994	41	73%	51%
1982	77	1	78	96%	1939	38	74%	47%
1983	78	2	80	100%	1961	35	75%	43%
1984	61	1	62	78%	1960	35	77%	43%
1985	53	2	55	68%	1944	34	78%	43%
1986	62	2	63	78%	1933	33	79%	42%
1987	20	2	21	26%	1925	33	80%	41%
1988	19	0	19	24%	2003	31	81%	38%
1989	50	0	50	62%	1955	31	83%	38%
1990	13	1	15	18%	1930	30	84%	37%
1991	22	0	22	27%	1931	29	85%	36%
1992	17	0	17	21%	1949	29	86%	36%
1993	56	0	56	69%	1932	29	88%	36%
1994	40	1	41	51%	1991	22	89%	27%
1995	70	1	71	88%	1987	21	90%	26%
1996	57	0	57	71%	2001	21	91%	26%
1997	63	2	65	80%	1929	20	93%	25%
1998	71	2	73	90%	1988	19	94%	24%
1999	54	2	56	69%	1934	18	95%	22%
2000	52	2	53	66%	1992	17	96%	21%
2001	19	1	21	26%	1924	15	98%	19%
2002	54	0	54	67%	1990	15	99%	18%
2003	30	1	31	38%	1977	9	100%	12%
Average	47	1	48	60%		48		60%
Maximum	78	2	80	100%		80		100%
Minimum	8	0	9	12%		9		12%

ALAMEDA COUNTY WD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (42.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (42.0 TAF)
1922	29	0	29	68%	1969	42	0%	100%
1923	25	0	25	60%	1938	42	1%	100%
1924	7	0	7	18%	1983	42	2%	100%
1925	18	0	18	42%	1982	41	4%	98%
1926	24	0	24	56%	1998	38	5%	91%
1927	30	0	30	72%	1995	38	6%	90%
1928	27	0	27	65%	1980	36	7%	85%
1929	10	0	10	23%	1956	35	9%	84%
1930	16	0	16	37%	1937	35	10%	83%
1931	15	0	15	36%	1958	34	11%	82%
1932	15	0	15	36%	1997	34	12%	80%
1933	18	0	18	42%	1952	34	14%	80%
1934	9	0	9	21%	1978	33	15%	79%
1935	29	0	29	70%	1951	33	16%	79%
1936	28	0	28	66%	1986	33	17%	79%
1937	35	0	35	83%	1984	33	19%	78%
1938	42	0	42	100%	1941	33	20%	78%
1939	20	0	20	47%	1943	32	21%	75%
1940	28	0	28	68%	1945	31	22%	75%
1941	33	0	33	78%	1962	31	23%	75%
1942	29	0	29	68%	1974	31	25%	73%
1943	32	0	32	75%	1965	31	26%	73%
1944	17	0	17	41%	1996	31	27%	73%
1945	31	0	31	75%	1967	30	28%	72%
1946	27	0	27	64%	1927	30	30%	72%
1947	23	0	23	55%	1973	30	31%	72%
1948	25	0	25	59%	1993	30	32%	71%
1949	15	0	15	35%	1935	29	33%	70%
1950	28	0	28	68%	1970	29	35%	70%
1951	33	0	33	79%	2002	29	36%	69%
1952	34	0	34	80%	1975	29	37%	69%
1953	25	0	25	60%	1942	29	38%	68%
1954	25	0	25	60%	1999	29	40%	68%
1955	15	0	15	37%	1922	29	41%	68%
1956	35	0	35	84%	1985	29	42%	68%
1957	23	0	23	54%	1940	28	43%	68%
1958	34	0	34	82%	1950	28	44%	68%
1959	25	0	25	59%	1979	28	46%	67%
1960	18	0	18	42%	1936	28	47%	66%
1961	19	0	19	44%	2000	28	48%	66%
1962	31	0	31	75%	1928	27	49%	65%
1963	25	0	25	61%	1968	27	51%	64%
1964	27	0	27	63%	1946	27	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

ALAMEDA COUNTY WD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (42.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (42.0 TAF)
1965	31	0	31	73%	1989	27	53%	64%
1966	25	0	25	59%	1964	27	54%	63%
1967	30	0	30	72%	1971	26	56%	61%
1968	27	0	27	64%	1976	26	57%	61%
1969	42	0	42	100%	1963	25	58%	61%
1970	29	0	29	70%	1954	25	59%	60%
1971	26	0	26	61%	1923	25	60%	60%
1972	23	0	23	55%	1953	25	62%	60%
1973	30	0	30	72%	1959	25	63%	59%
1974	31	0	31	73%	1966	25	64%	59%
1975	29	0	29	69%	1948	25	65%	59%
1976	26	0	26	61%	1926	24	67%	56%
1977	4	0	4	10%	1947	23	68%	55%
1978	33	0	33	79%	1972	23	69%	55%
1979	28	0	28	67%	1957	23	70%	54%
1980	36	0	36	85%	1981	22	72%	53%
1981	22	0	22	53%	1994	21	73%	51%
1982	41	0	41	98%	1939	20	74%	47%
1983	42	0	42	100%	1961	19	75%	44%
1984	33	0	33	78%	1925	18	77%	42%
1985	29	0	29	68%	1960	18	78%	42%
1986	33	0	33	79%	1933	18	79%	42%
1987	10	0	10	24%	1944	17	80%	41%
1988	10	0	10	24%	1930	16	81%	37%
1989	27	0	27	64%	1955	15	83%	37%
1990	7	0	7	16%	1931	15	84%	36%
1991	11	0	11	27%	1932	15	85%	36%
1992	9	0	9	21%	1949	15	86%	35%
1993	30	0	30	71%	2003	14	88%	34%
1994	21	0	21	51%	1991	11	89%	27%
1995	38	0	38	90%	1987	10	90%	24%
1996	31	0	31	73%	2001	10	91%	24%
1997	34	0	34	80%	1988	10	93%	24%
1998	38	0	38	91%	1929	10	94%	23%
1999	29	0	29	68%	1934	9	95%	21%
2000	28	0	28	66%	1992	9	96%	21%
2001	10	0	10	24%	1924	7	98%	18%
2002	29	0	29	69%	1990	7	99%	16%
2003	14	0	14	34%	1977	4	100%	10%
Average	25	0	25	60%		25		60%
Maximum	42	0	42	100%		42		100%
Minimum	4	0	4	10%		4		10%

ANTELOPE VALLEY-EAST KERN WA: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (141.4 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (141.4 TAF)
1922	97	0	97	68%	1983	141	0%	100%
1923	84	0	84	60%	1969	141	1%	100%
1924	25	0	25	17%	1938	141	2%	100%
1925	60	0	60	42%	1982	139	4%	98%
1926	79	0	79	56%	1998	128	5%	91%
1927	102	0	102	72%	1995	127	6%	90%
1928	92	0	92	65%	1980	120	7%	85%
1929	33	0	33	23%	1956	118	9%	84%
1930	53	0	53	37%	1937	118	10%	83%
1931	52	0	52	36%	1958	116	11%	82%
1932	51	0	51	36%	1997	114	12%	80%
1933	60	0	60	42%	1952	113	14%	80%
1934	30	0	30	21%	1978	112	15%	79%
1935	99	0	99	70%	1951	111	16%	79%
1936	93	0	93	66%	1986	111	17%	79%
1937	118	0	118	83%	1984	111	19%	78%
1938	141	0	141	100%	1941	110	20%	78%
1939	66	0	66	47%	1943	107	21%	75%
1940	96	0	96	68%	1962	106	22%	75%
1941	110	0	110	78%	1945	106	23%	75%
1942	97	0	97	68%	1974	104	25%	73%
1943	107	0	107	75%	1965	103	26%	73%
1944	58	0	58	41%	1996	103	27%	73%
1945	106	0	106	75%	1967	102	28%	72%
1946	91	0	91	64%	1927	102	30%	72%
1947	78	0	78	55%	1973	101	31%	72%
1948	83	0	83	59%	1993	101	32%	71%
1949	50	0	50	35%	1935	99	33%	70%
1950	96	0	96	68%	1970	99	35%	70%
1951	111	0	111	79%	2002	97	36%	69%
1952	113	0	113	80%	1975	97	37%	69%
1953	84	0	84	60%	1999	97	38%	68%
1954	84	0	84	60%	1942	97	40%	68%
1955	52	0	52	37%	1922	97	41%	68%
1956	118	0	118	84%	1985	96	42%	68%
1957	76	0	76	54%	1940	96	43%	68%
1958	116	0	116	82%	1950	96	44%	68%
1959	84	0	84	59%	1979	95	46%	67%
1960	60	0	60	42%	1936	93	47%	66%
1961	63	0	63	44%	2000	93	48%	66%
1962	106	0	106	75%	1928	92	49%	65%
1963	86	0	86	61%	1968	91	51%	64%
1964	89	0	89	63%	1946	91	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

ANTELOPE VALLEY-EAST KERN WA (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (141.4 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (141.4 TAF)
1965	103	0	103	73%	1989	90	53%	64%
1966	83	0	83	59%	1964	89	54%	63%
1967	102	0	102	72%	1971	86	56%	61%
1968	91	0	91	64%	1976	86	57%	61%
1969	141	0	141	100%	1963	86	58%	61%
1970	99	0	99	70%	1954	84	59%	60%
1971	86	0	86	61%	1923	84	60%	60%
1972	77	0	77	55%	1953	84	62%	60%
1973	101	0	101	72%	1959	84	63%	59%
1974	104	0	104	73%	1966	83	64%	59%
1975	97	0	97	69%	1948	83	65%	59%
1976	86	0	86	61%	1926	79	67%	56%
1977	15	0	15	10%	1947	78	68%	55%
1978	112	0	112	79%	1972	77	69%	55%
1979	95	0	95	67%	1957	76	70%	54%
1980	120	0	120	85%	1981	74	72%	53%
1981	74	0	74	53%	1994	72	73%	51%
1982	139	0	139	98%	1939	66	74%	47%
1983	141	0	141	100%	1961	63	75%	44%
1984	111	0	111	78%	1925	60	77%	42%
1985	96	0	96	68%	1960	60	78%	42%
1986	111	0	111	79%	1933	60	79%	42%
1987	34	0	34	24%	1944	58	80%	41%
1988	34	0	34	24%	2003	58	81%	41%
1989	90	0	90	64%	1930	53	83%	37%
1990	23	0	23	16%	1955	52	84%	37%
1991	38	0	38	27%	1931	52	85%	36%
1992	29	0	29	21%	1932	51	86%	36%
1993	101	0	101	71%	1949	50	88%	35%
1994	72	0	72	51%	1991	38	89%	27%
1995	127	0	127	90%	1987	34	90%	24%
1996	103	0	103	73%	2001	34	91%	24%
1997	114	0	114	80%	1988	34	93%	24%
1998	128	0	128	91%	1929	33	94%	23%
1999	97	0	97	68%	1934	30	95%	21%
2000	93	0	93	66%	1992	29	96%	21%
2001	34	0	34	24%	1924	25	98%	17%
2002	97	0	97	69%	1990	23	99%	16%
2003	58	0	58	41%	1977	15	100%	10%
Average	85	0	85	60%		85		60%
Maximum	141	0	141	100%		141		100%
Minimum	15	0	15	10%		15		10%

CASTAIC LAKE WA: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (95.2 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (95.2 TAF)
1922	65	0	65	68%	1983	95	0%	100%
1923	57	0	57	60%	1982	94	1%	98%
1924	17	0	17	17%	1969	91	2%	96%
1925	40	0	40	42%	1938	91	4%	95%
1926	53	0	53	56%	1998	86	5%	91%
1927	69	0	69	72%	1995	81	6%	86%
1928	62	0	62	65%	1980	81	7%	85%
1929	22	0	22	23%	1956	80	9%	84%
1930	36	0	36	37%	1937	79	10%	83%
1931	35	0	35	36%	1997	77	11%	80%
1932	34	0	34	36%	1952	76	12%	80%
1933	40	0	40	42%	1978	76	14%	79%
1934	20	0	20	21%	1951	75	15%	79%
1935	67	0	67	70%	1984	75	16%	78%
1936	62	0	62	65%	1941	74	17%	78%
1937	79	0	79	83%	1958	74	19%	77%
1938	91	0	91	95%	1943	72	20%	75%
1939	44	0	44	47%	1962	71	21%	75%
1940	64	0	64	68%	1945	71	22%	75%
1941	74	0	74	78%	1986	71	23%	75%
1942	64	0	64	67%	1974	70	25%	73%
1943	72	0	72	75%	1965	69	26%	73%
1944	39	0	39	41%	1996	69	27%	73%
1945	71	0	71	75%	1967	69	28%	72%
1946	61	0	61	64%	1927	69	30%	72%
1947	53	0	53	55%	1973	68	31%	72%
1948	56	0	56	59%	1935	67	32%	70%
1949	34	0	34	35%	1993	67	33%	70%
1950	64	0	64	68%	1970	67	35%	70%
1951	75	0	75	79%	2002	66	36%	69%
1952	76	0	76	80%	1975	66	37%	69%
1953	57	0	57	59%	1999	65	38%	68%
1954	57	0	57	60%	1922	65	40%	68%
1955	35	0	35	37%	1985	65	41%	68%
1956	80	0	80	84%	1940	64	42%	68%
1957	51	0	51	54%	1950	64	43%	68%
1958	74	0	74	77%	1942	64	44%	67%
1959	56	0	56	59%	1979	64	46%	67%
1960	40	0	40	42%	2000	63	47%	66%
1961	42	0	42	44%	1928	62	48%	65%
1962	71	0	71	75%	1936	62	49%	65%
1963	58	0	58	61%	1968	61	51%	64%
1964	60	0	60	63%	1946	61	52%	64%

CASTAIC LAKE WA (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (95.2 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (95.2 TAF)
1965	69	0	69	73%	1989	61	53%	64%
1966	56	0	56	59%	1964	60	54%	63%
1967	69	0	69	72%	1963	58	56%	61%
1968	61	0	61	64%	1923	57	57%	60%
1969	91	0	91	96%	1954	57	58%	60%
1970	67	0	67	70%	1953	57	59%	59%
1971	54	0	54	57%	1959	56	60%	59%
1972	52	0	52	55%	1966	56	62%	59%
1973	68	0	68	72%	1948	56	63%	59%
1974	70	0	70	73%	1971	54	64%	57%
1975	66	0	66	69%	1926	53	65%	56%
1976	53	0	53	55%	1947	53	67%	55%
1977	10	0	10	10%	1976	53	68%	55%
1978	76	0	76	79%	1972	52	69%	55%
1979	64	0	64	67%	1957	51	70%	54%
1980	81	0	81	85%	1981	50	72%	53%
1981	50	0	50	53%	1994	49	73%	51%
1982	94	0	94	98%	1939	44	74%	47%
1983	95	0	95	100%	1961	42	75%	44%
1984	75	0	75	78%	1925	40	77%	42%
1985	65	0	65	68%	1960	40	78%	42%
1986	71	0	71	75%	1933	40	79%	42%
1987	23	0	23	24%	1944	39	80%	41%
1988	23	0	23	24%	2003	39	81%	41%
1989	61	0	61	64%	1930	36	83%	37%
1990	16	0	16	16%	1955	35	84%	37%
1991	26	0	26	27%	1931	35	85%	36%
1992	20	0	20	21%	1932	34	86%	36%
1993	67	0	67	70%	1949	34	88%	35%
1994	49	0	49	51%	1991	26	89%	27%
1995	81	0	81	86%	1987	23	90%	24%
1996	69	0	69	73%	2001	23	91%	24%
1997	77	0	77	80%	1988	23	93%	24%
1998	86	0	86	91%	1929	22	94%	23%
1999	65	0	65	68%	1934	20	95%	21%
2000	63	0	63	66%	1992	20	96%	21%
2001	23	0	23	24%	1924	17	98%	17%
2002	66	0	66	69%	1990	16	99%	16%
2003	39	0	39	41%	1977	10	100%	10%
Average	57	0	57	60%		57		60%
Maximum	95	0	95	100%		95		100%
Minimum	10	0	10	10%		10		10%

COACHELLA VALLEY WD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (138.35 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (138.35 TAF)
1922	89	0	89	64%	1983	137	0%	99%
1923	81	5	87	63%	1938	137	1%	99%
1924	24	1	25	18%	1969	132	2%	95%
1925	59	0	59	42%	1982	126	4%	91%
1926	75	0	75	55%	1998	124	5%	90%
1927	94	2	96	70%	1995	115	6%	83%
1928	86	6	92	67%	1980	114	7%	83%
1929	32	4	36	26%	1937	110	9%	80%
1930	52	0	52	37%	1997	110	10%	80%
1931	50	0	50	36%	1952	110	11%	80%
1932	50	0	50	36%	1956	107	12%	78%
1933	59	0	59	42%	1986	106	14%	77%
1934	30	0	30	21%	1951	105	15%	76%
1935	90	0	90	65%	1984	105	16%	76%
1936	87	7	94	68%	1958	105	17%	76%
1937	107	4	110	80%	1941	103	19%	75%
1938	128	8	137	99%	1943	102	20%	74%
1939	64	5	70	50%	1978	102	21%	74%
1940	88	0	88	64%	1974	101	22%	73%
1941	100	4	103	75%	1999	98	23%	71%
1942	89	1	90	65%	1985	96	25%	70%
1943	97	5	102	74%	1927	96	26%	70%
1944	57	7	64	47%	1945	96	27%	69%
1945	96	0	96	69%	1962	96	28%	69%
1946	86	7	93	67%	1965	96	30%	69%
1947	74	3	77	56%	1979	96	31%	69%
1948	81	3	84	61%	1975	96	32%	69%
1949	49	0	49	36%	1970	95	33%	69%
1950	89	0	89	64%	1967	95	35%	68%
1951	101	4	105	76%	1936	94	36%	68%
1952	102	8	110	80%	1996	94	37%	68%
1953	81	8	89	64%	1946	93	38%	67%
1954	82	1	83	60%	1993	93	40%	67%
1955	51	1	51	37%	1968	93	41%	67%
1956	107	0	107	78%	2000	93	42%	67%
1957	75	8	83	60%	1928	92	43%	67%
1958	105	0	105	76%	1973	92	44%	67%
1959	81	5	85	62%	1963	91	46%	65%
1960	59	1	59	43%	2002	90	47%	65%
1961	61	0	61	44%	1935	90	48%	65%
1962	96	0	96	69%	1976	90	49%	65%
1963	83	7	91	65%	1942	90	51%	65%
1964	85	1	86	62%	1971	89	52%	65%

Technical Addendum to the SWP Delivery Reliability Report 2011

COACHELLA VALLEY WD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (138.35 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (138.35 TAF)
1965	93	2	96	69%	1953	89	53%	64%
1966	80	7	87	63%	1922	89	54%	64%
1967	93	1	95	68%	1950	89	56%	64%
1968	86	7	93	67%	1940	88	57%	64%
1969	128	3	132	95%	1966	87	58%	63%
1970	90	5	95	69%	1923	87	59%	63%
1971	83	7	89	65%	1964	86	60%	62%
1972	76	2	77	56%	1959	85	62%	62%
1973	92	0	92	67%	1989	85	63%	62%
1974	95	7	101	73%	1948	84	64%	61%
1975	89	7	96	69%	1954	83	65%	60%
1976	83	6	90	65%	1957	83	67%	60%
1977	15	1	15	11%	1981	81	68%	59%
1978	102	0	102	74%	1972	77	69%	56%
1979	88	8	96	69%	1947	77	70%	56%
1980	109	5	114	83%	1926	75	72%	55%
1981	73	8	81	59%	1994	75	73%	54%
1982	126	0	126	91%	1939	70	74%	50%
1983	128	9	137	99%	1944	64	75%	47%
1984	101	4	105	76%	1961	61	77%	44%
1985	89	8	96	70%	1960	59	78%	43%
1986	101	5	106	77%	1925	59	79%	42%
1987	34	5	38	28%	1933	59	80%	42%
1988	33	0	33	24%	1930	52	81%	37%
1989	85	0	85	62%	1955	51	83%	37%
1990	23	3	26	19%	1931	50	84%	36%
1991	37	0	37	27%	1932	50	85%	36%
1992	29	0	29	21%	1949	49	86%	36%
1993	93	0	93	67%	1987	38	88%	28%
1994	71	4	75	54%	2001	37	89%	27%
1995	115	0	115	83%	1991	37	90%	27%
1996	93	1	94	68%	1929	36	91%	26%
1997	103	7	110	80%	1988	33	93%	24%
1998	116	8	124	90%	1934	30	94%	21%
1999	89	9	98	71%	1992	29	95%	21%
2000	87	6	93	67%	2003	28	96%	20%
2001	33	4	37	27%	1990	26	98%	19%
2002	90	0	90	65%	1924	25	99%	18%
2003	26	2	28	20%	1977	15	100%	11%
Average	79	3	83	60%		83		60%
Maximum	128	9	137	99%		137		99%
Minimum	15	0	15	11%		15		11%

COUNTY OF KINGS: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (9.31 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (9.31 TAF)
1922	6	0	6	68%	1938	9	0%	100%
1923	6	0	6	60%	1938	9	1%	100%
1924	2	0	2	18%	1938	9	2%	100%
1925	4	0	4	42%	1982	9	4%	98%
1926	5	0	5	56%	1998	8	5%	91%
1927	7	0	7	72%	1995	8	6%	90%
1928	6	0	6	65%	1980	8	7%	85%
1929	2	0	2	23%	1956	8	9%	84%
1930	3	0	3	37%	1937	8	10%	83%
1931	3	0	3	37%	1958	8	11%	82%
1932	3	0	3	36%	1997	7	12%	81%
1933	4	0	4	42%	1952	7	14%	80%
1934	2	0	2	21%	1978	7	15%	79%
1935	7	0	7	70%	1951	7	16%	79%
1936	6	0	6	66%	1984	7	17%	79%
1937	8	0	8	83%	1986	7	19%	78%
1938	9	0	9	100%	1941	7	20%	78%
1939	4	0	4	47%	1943	7	21%	76%
1940	6	0	6	68%	1962	7	22%	75%
1941	7	0	7	78%	1945	7	23%	74%
1942	6	0	6	69%	1974	7	25%	73%
1943	7	0	7	76%	1965	7	26%	73%
1944	4	0	4	41%	1996	7	27%	73%
1945	7	0	7	74%	1967	7	28%	72%
1946	6	0	6	64%	1927	7	30%	72%
1947	5	0	5	56%	1973	7	31%	72%
1948	5	0	5	59%	1993	7	32%	71%
1949	3	0	3	36%	1935	7	33%	70%
1950	6	0	6	68%	1970	7	35%	70%
1951	7	0	7	79%	2002	6	36%	69%
1952	7	0	7	80%	1975	6	37%	69%
1953	6	0	6	59%	1942	6	38%	69%
1954	6	0	6	60%	1999	6	40%	68%
1955	3	0	3	37%	1922	6	41%	68%
1956	8	0	8	84%	1985	6	42%	68%
1957	5	0	5	54%	1940	6	43%	68%
1958	8	0	8	82%	1950	6	44%	68%
1959	5	0	5	59%	1979	6	46%	67%
1960	4	0	4	42%	2000	6	47%	66%
1961	4	0	4	44%	1936	6	48%	66%
1962	7	0	7	75%	1928	6	49%	65%
1963	6	0	6	61%	1968	6	51%	64%
1964	6	0	6	63%	1946	6	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

COUNTY OF KINGS (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (9.31 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (9.31 TAF)
1965	7	0	7	73%	1989	6	53%	64%
1966	5	0	5	59%	1964	6	54%	63%
1967	7	0	7	72%	1971	6	56%	61%
1968	6	0	6	64%	1976	6	57%	61%
1969	9	0	9	100%	1963	6	58%	61%
1970	7	0	7	70%	1954	6	59%	60%
1971	6	0	6	61%	1923	6	60%	60%
1972	5	0	5	55%	1953	6	62%	59%
1973	7	0	7	72%	1966	5	63%	59%
1974	7	0	7	73%	1959	5	64%	59%
1975	6	0	6	69%	1948	5	65%	59%
1976	6	0	6	61%	1926	5	67%	56%
1977	1	0	1	10%	1947	5	68%	56%
1978	7	0	7	79%	1972	5	69%	55%
1979	6	0	6	67%	1957	5	70%	54%
1980	8	0	8	85%	1981	5	72%	53%
1981	5	0	5	53%	1994	5	73%	51%
1982	9	0	9	98%	1939	4	74%	47%
1983	9	0	9	100%	1961	4	75%	44%
1984	7	0	7	79%	1925	4	77%	42%
1985	6	0	6	68%	1960	4	78%	42%
1986	7	0	7	78%	1933	4	79%	42%
1987	2	0	2	24%	1944	4	80%	41%
1988	2	0	2	24%	1930	3	81%	37%
1989	6	0	6	64%	1955	3	83%	37%
1990	2	0	2	16%	1931	3	84%	37%
1991	3	0	3	27%	1932	3	85%	36%
1992	2	0	2	21%	1949	3	86%	36%
1993	7	0	7	71%	2003	3	88%	35%
1994	5	0	5	51%	1991	3	89%	27%
1995	8	0	8	90%	1987	2	90%	24%
1996	7	0	7	73%	1988	2	91%	24%
1997	7	0	7	81%	2001	2	93%	24%
1998	8	0	8	91%	1929	2	94%	23%
1999	6	0	6	68%	1934	2	95%	21%
2000	6	0	6	66%	1992	2	96%	21%
2001	2	0	2	24%	1924	2	98%	18%
2002	6	0	6	69%	1990	2	99%	16%
2003	3	0	3	35%	1977	1	100%	10%
Average	6	0	6	60%		6		60%
Maximum	9	0	9	100%		9		100%
Minimum	1	0	1	10%		1		10%

CRESTLINE-LAKE ARROWHEAD WA: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.8 TAF)
1922	4	0	4	68%	1938	6	0%	100%
1923	3	0	3	60%	1983	6	1%	100%
1924	1	0	1	17%	1969	6	2%	100%
1925	2	0	2	42%	1982	6	4%	98%
1926	3	0	3	56%	1998	5	5%	90%
1927	4	0	4	72%	1995	5	6%	90%
1928	4	0	4	65%	1980	5	7%	85%
1929	1	0	1	23%	1956	5	9%	83%
1930	2	0	2	37%	1937	5	10%	83%
1931	2	0	2	36%	1958	5	11%	82%
1932	2	0	2	36%	1997	5	12%	80%
1933	2	0	2	42%	1952	5	14%	80%
1934	1	0	1	21%	1978	5	15%	79%
1935	4	0	4	70%	1986	5	16%	79%
1936	4	0	4	66%	1951	5	17%	78%
1937	5	0	5	83%	1984	5	19%	78%
1938	6	0	6	100%	1941	4	20%	77%
1939	3	0	3	46%	1943	4	21%	76%
1940	4	0	4	68%	1962	4	22%	75%
1941	4	0	4	77%	1945	4	23%	75%
1942	4	0	4	68%	1974	4	25%	73%
1943	4	0	4	76%	1965	4	26%	73%
1944	2	0	2	41%	1996	4	27%	73%
1945	4	0	4	75%	1967	4	28%	72%
1946	4	0	4	64%	1927	4	30%	72%
1947	3	0	3	55%	1973	4	31%	71%
1948	3	0	3	59%	1993	4	32%	71%
1949	2	0	2	35%	1970	4	33%	70%
1950	4	0	4	68%	1935	4	35%	70%
1951	5	0	5	78%	2002	4	36%	69%
1952	5	0	5	80%	1975	4	37%	69%
1953	3	0	3	59%	1922	4	38%	68%
1954	3	0	3	60%	1999	4	40%	68%
1955	2	0	2	37%	1942	4	41%	68%
1956	5	0	5	83%	1985	4	42%	68%
1957	3	0	3	54%	1950	4	43%	68%
1958	5	0	5	82%	1940	4	44%	68%
1959	3	0	3	59%	1979	4	46%	67%
1960	2	0	2	42%	2000	4	47%	66%
1961	3	0	3	44%	1936	4	48%	66%
1962	4	0	4	75%	1928	4	49%	65%
1963	4	0	4	61%	1968	4	51%	64%
1964	4	0	4	63%	1946	4	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

CRESTLINE-LAKE ARROWHEAD WA (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.8 TAF)
1965	4	0	4	73%	1989	4	53%	64%
1966	3	0	3	59%	1964	4	54%	63%
1967	4	0	4	72%	1971	4	56%	61%
1968	4	0	4	64%	1976	4	57%	61%
1969	6	0	6	100%	1963	4	58%	61%
1970	4	0	4	70%	1923	3	59%	60%
1971	4	0	4	61%	1954	3	60%	60%
1972	3	0	3	55%	1953	3	62%	59%
1973	4	0	4	71%	1959	3	63%	59%
1974	4	0	4	73%	1966	3	64%	59%
1975	4	0	4	69%	1948	3	65%	59%
1976	4	0	4	61%	1926	3	67%	56%
1977	1	0	1	10%	1947	3	68%	55%
1978	5	0	5	79%	1972	3	69%	55%
1979	4	0	4	67%	1957	3	70%	54%
1980	5	0	5	85%	1981	3	72%	53%
1981	3	0	3	53%	1994	3	73%	51%
1982	6	0	6	98%	1939	3	74%	46%
1983	6	0	6	100%	1961	3	75%	44%
1984	5	0	5	78%	2003	2	77%	43%
1985	4	0	4	68%	1925	2	78%	42%
1986	5	0	5	79%	1925	2	79%	42%
1987	1	0	1	24%	1960	2	80%	42%
1988	1	0	1	24%	1944	2	81%	41%
1989	4	0	4	64%	1930	2	83%	37%
1990	1	0	1	16%	1955	2	84%	37%
1991	2	0	2	27%	1931	2	85%	36%
1992	1	0	1	21%	1932	2	86%	36%
1993	4	0	4	71%	1949	2	88%	35%
1994	3	0	3	51%	1991	2	89%	27%
1995	5	0	5	90%	1987	1	90%	24%
1996	4	0	4	73%	2001	1	91%	24%
1997	5	0	5	80%	1988	1	93%	24%
1998	5	0	5	90%	1929	1	94%	23%
1999	4	0	4	68%	1934	1	95%	21%
2000	4	0	4	66%	1992	1	96%	21%
2001	1	0	1	24%	1924	1	98%	17%
2002	4	0	4	69%	1990	1	99%	16%
2003	2	0	2	43%	1977	1	100%	10%
Average	4	0	4	60%		4		60%
Maximum	6	0	6	100%		6		100%
Minimum	1	0	1	10%		1		10%

DESERT WA: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (55.75 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (55.75 TAF)
1922	31	0	31	56%	1983	54	0%	98%
1923	32	5	37	66%	1938	51	1%	92%
1924	10	1	11	20%	1969	48	2%	85%
1925	24	0	24	42%	1998	46	4%	83%
1926	29	0	29	51%	1952	44	5%	80%
1927	33	2	36	64%	1997	44	6%	78%
1928	32	7	39	70%	1982	43	7%	77%
1929	13	3	16	28%	1980	43	9%	77%
1930	21	0	21	37%	1963	42	10%	75%
1931	20	0	20	36%	1999	42	11%	75%
1932	20	0	20	36%	1946	41	12%	73%
1933	24	0	24	42%	1937	41	14%	73%
1934	12	0	12	21%	1974	41	15%	73%
1935	31	0	31	55%	1979	41	16%	73%
1936	32	8	40	72%	1986	41	17%	73%
1937	36	4	41	73%	1985	41	19%	73%
1938	44	7	51	92%	1968	40	20%	72%
1939	26	6	32	57%	1936	40	21%	72%
1940	31	0	31	56%	1976	40	22%	72%
1941	34	2	35	64%	1984	40	23%	71%
1942	31	0	31	56%	1951	40	25%	71%
1943	33	2	36	64%	1966	39	26%	71%
1944	23	4	27	48%	1928	39	27%	70%
1945	33	0	33	59%	1975	39	28%	70%
1946	32	9	41	73%	2000	39	30%	69%
1947	28	3	31	56%	1953	38	31%	68%
1948	33	3	36	64%	1971	38	32%	68%
1949	20	0	20	36%	1970	37	33%	66%
1950	32	0	32	57%	1956	37	35%	66%
1951	35	5	40	71%	1923	37	36%	66%
1952	35	9	44	80%	1957	36	37%	65%
1953	32	6	38	68%	1959	36	38%	65%
1954	33	1	34	60%	1981	36	40%	64%
1955	20	1	21	38%	1958	36	41%	64%
1956	37	0	37	66%	1948	36	42%	64%
1957	30	6	36	65%	1927	36	43%	64%
1958	36	0	36	64%	1943	36	44%	64%
1959	32	5	36	65%	1941	35	46%	64%
1960	24	1	25	44%	1995	35	47%	63%
1961	25	0	25	44%	1978	35	48%	62%
1962	33	0	33	59%	1965	34	49%	61%
1963	33	9	42	75%	1954	34	51%	60%
1964	32	1	33	60%	1967	34	52%	60%

Technical Addendum to the SWP Delivery Reliability Report 2011

DESERT WA (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (55.75 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (55.75 TAF)
1965	32	2	34	61%	1964	33	53%	60%
1966	31	8	39	71%	1993	33	54%	59%
1967	32	2	34	60%	1945	33	56%	59%
1968	32	8	40	72%	1962	33	57%	59%
1969	44	4	48	85%	2002	33	58%	58%
1970	31	6	37	66%	1972	33	59%	58%
1971	32	6	38	68%	1996	32	60%	58%
1972	30	2	33	58%	1939	32	62%	57%
1973	32	0	32	57%	1950	32	63%	57%
1974	33	8	41	73%	1973	32	64%	57%
1975	31	8	39	70%	1989	32	65%	57%
1976	33	7	40	72%	1922	31	67%	56%
1977	6	0	6	11%	1942	31	68%	56%
1978	35	0	35	62%	1940	31	69%	56%
1979	31	9	41	73%	1947	31	70%	56%
1980	37	6	43	77%	1935	31	72%	55%
1981	29	7	36	64%	1994	30	73%	54%
1982	43	0	43	77%	1926	29	74%	51%
1983	44	11	54	98%	1944	27	75%	48%
1984	34	5	40	71%	1960	25	77%	44%
1985	31	9	41	73%	1961	25	78%	44%
1986	34	6	41	73%	1925	24	79%	42%
1987	14	2	16	29%	1933	24	80%	42%
1988	13	0	13	24%	1955	21	81%	38%
1989	32	0	32	57%	1930	21	83%	37%
1990	9	3	12	21%	1931	20	84%	36%
1991	15	0	15	27%	1932	20	85%	36%
1992	12	0	12	21%	1949	20	86%	36%
1993	33	0	33	59%	2001	18	88%	32%
1994	28	2	30	54%	1987	16	89%	29%
1995	35	0	35	63%	1929	16	90%	28%
1996	32	0	32	58%	1991	15	91%	27%
1997	35	8	44	78%	1988	13	93%	24%
1998	40	6	46	83%	2003	12	94%	22%
1999	31	11	42	75%	1934	12	95%	21%
2000	32	7	39	69%	1990	12	96%	21%
2001	13	5	18	32%	1992	12	98%	21%
2002	33	0	33	58%	1924	11	99%	20%
2003	11	2	12	22%	1977	6	100%	11%
Average	29	3	32	58%		32		58%
Maximum	44	11	54	98%		54		98%
Minimum	6	0	6	11%		6		11%

DUDLEY RIDGE WD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (50.34 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (50.34 TAF)
1922	34	0	34	68%	1938	50	0%	100%
1923	30	0	30	60%	1969	50	1%	100%
1924	9	0	9	17%	1983	50	2%	100%
1925	21	0	21	42%	1982	49	4%	98%
1926	28	0	28	56%	1998	46	5%	91%
1927	36	0	36	72%	1995	45	6%	90%
1928	33	0	33	65%	1980	43	7%	85%
1929	12	0	12	23%	1956	42	9%	84%
1930	19	0	19	37%	1937	42	10%	83%
1931	18	0	18	36%	1958	41	11%	82%
1932	18	0	18	36%	1997	40	12%	80%
1933	21	0	21	42%	1952	40	14%	80%
1934	11	0	11	21%	1978	40	15%	79%
1935	35	0	35	70%	1951	40	16%	79%
1936	33	0	33	66%	1986	40	17%	79%
1937	42	0	42	83%	1984	39	19%	78%
1938	50	0	50	100%	1941	39	20%	78%
1939	23	0	23	47%	1943	38	21%	75%
1940	34	0	34	68%	1962	38	22%	75%
1941	39	0	39	78%	1945	38	23%	75%
1942	34	0	34	68%	1974	37	25%	73%
1943	38	0	38	75%	1965	37	26%	73%
1944	21	0	21	41%	1996	37	27%	73%
1945	38	0	38	75%	1967	36	28%	72%
1946	32	0	32	64%	1927	36	30%	72%
1947	28	0	28	55%	1973	36	31%	72%
1948	30	0	30	59%	1993	36	32%	71%
1949	18	0	18	35%	1935	35	33%	70%
1950	34	0	34	68%	1970	35	35%	70%
1951	40	0	40	79%	2002	35	36%	69%
1952	40	0	40	80%	1975	35	37%	69%
1953	30	0	30	59%	1999	34	38%	68%
1954	30	0	30	60%	1942	34	40%	68%
1955	18	0	18	37%	1922	34	41%	68%
1956	42	0	42	84%	1985	34	42%	68%
1957	27	0	27	54%	1940	34	43%	68%
1958	41	0	41	82%	1950	34	44%	68%
1959	30	0	30	59%	1979	34	46%	67%
1960	21	0	21	42%	1936	33	47%	66%
1961	22	0	22	44%	2000	33	48%	66%
1962	38	0	38	75%	1928	33	49%	65%
1963	31	0	31	61%	1968	32	51%	64%
1964	32	0	32	63%	1946	32	52%	64%

DUDLEY RIDGE WD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (50.34 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (50.34 TAF)
1965	37	0	37	73%	1989	32	53%	64%
1966	30	0	30	59%	1964	32	54%	63%
1967	36	0	36	72%	1971	31	56%	61%
1968	32	0	32	64%	1976	31	57%	61%
1969	50	0	50	100%	1963	31	58%	61%
1970	35	0	35	70%	1923	30	59%	60%
1971	31	0	31	61%	1954	30	60%	60%
1972	27	0	27	55%	1953	30	62%	59%
1973	36	0	36	72%	1959	30	63%	59%
1974	37	0	37	73%	1966	30	64%	59%
1975	35	0	35	69%	1948	30	65%	59%
1976	31	0	31	61%	2003	28	67%	56%
1977	5	0	5	10%	1926	28	68%	56%
1978	40	0	40	79%	1947	28	69%	55%
1979	34	0	34	67%	1972	27	70%	55%
1980	43	0	43	85%	1957	27	72%	54%
1981	26	0	26	53%	1981	26	73%	53%
1982	49	0	49	98%	1994	26	74%	51%
1983	50	0	50	100%	1939	23	75%	47%
1984	39	0	39	78%	1961	22	77%	44%
1985	34	0	34	68%	1925	21	78%	42%
1986	40	0	40	79%	1960	21	79%	42%
1987	12	0	12	24%	1933	21	80%	42%
1988	12	0	12	24%	1944	21	81%	41%
1989	32	0	32	64%	1930	19	83%	37%
1990	8	0	8	16%	1955	18	84%	37%
1991	14	0	14	27%	1931	18	85%	36%
1992	10	0	10	21%	1932	18	86%	36%
1993	36	0	36	71%	1949	18	88%	35%
1994	26	0	26	51%	1991	14	89%	27%
1995	45	0	45	90%	1987	12	90%	24%
1996	37	0	37	73%	2001	12	91%	24%
1997	40	0	40	80%	1988	12	93%	24%
1998	46	0	46	91%	1929	12	94%	23%
1999	34	0	34	68%	1934	11	95%	21%
2000	33	0	33	66%	1992	10	96%	21%
2001	12	0	12	24%	1924	9	98%	17%
2002	35	0	35	69%	1990	8	99%	16%
2003	28	0	28	56%	1977	5	100%	10%
Average	31	0	31	61%		31		61%
Maximum	50	0	50	100%		50		100%
Minimum	5	0	5	10%		5		10%

EMPIRE WEST SIDE ID: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.0 TAF)
1922	1.4	0.0	1.4	68%	1938	2.0	0%	100%
1923	1.2	0.0	1.2	60%	1938	2.0	1%	100%
1924	0.3	0.0	0.3	17%	1938	2.0	2%	100%
1925	0.9	0.0	0.9	43%	1982	2.0	4%	98%
1926	1.1	0.0	1.1	56%	1998	1.8	5%	90%
1927	1.4	0.0	1.4	72%	1995	1.8	6%	90%
1928	1.3	0.0	1.3	64%	1980	1.7	7%	85%
1929	0.5	0.0	0.5	23%	1956	1.7	9%	83%
1930	0.7	0.0	0.7	37%	1937	1.7	10%	83%
1931	0.7	0.0	0.7	37%	1958	1.6	11%	81%
1932	0.7	0.0	0.7	36%	1997	1.6	12%	80%
1933	0.8	0.0	0.8	42%	1978	1.6	14%	79%
1934	0.4	0.0	0.4	21%	1952	1.6	15%	79%
1935	1.4	0.0	1.4	70%	1951	1.6	16%	79%
1936	1.3	0.0	1.3	66%	1986	1.6	17%	78%
1937	1.7	0.0	1.7	83%	1984	1.6	19%	78%
1938	2.0	0.0	2.0	100%	1941	1.5	20%	77%
1939	0.9	0.0	0.9	46%	1943	1.5	21%	76%
1940	1.3	0.0	1.3	67%	1945	1.5	22%	75%
1941	1.5	0.0	1.5	77%	1962	1.5	23%	74%
1942	1.4	0.0	1.4	68%	1974	1.5	25%	73%
1943	1.5	0.0	1.5	76%	1965	1.5	26%	73%
1944	0.8	0.0	0.8	42%	1996	1.4	27%	72%
1945	1.5	0.0	1.5	75%	1927	1.4	28%	72%
1946	1.3	0.0	1.3	64%	1967	1.4	30%	72%
1947	1.1	0.0	1.1	55%	1973	1.4	31%	72%
1948	1.2	0.0	1.2	58%	1993	1.4	32%	71%
1949	0.7	0.0	0.7	35%	1970	1.4	33%	70%
1950	1.3	0.0	1.3	67%	1935	1.4	35%	70%
1951	1.6	0.0	1.6	79%	1975	1.4	36%	69%
1952	1.6	0.0	1.6	79%	2002	1.4	37%	69%
1953	1.2	0.0	1.2	60%	1942	1.4	38%	68%
1954	1.2	0.0	1.2	59%	1999	1.4	40%	68%
1955	0.7	0.0	0.7	37%	1985	1.4	41%	68%
1956	1.7	0.0	1.7	83%	1922	1.4	42%	68%
1957	1.1	0.0	1.1	54%	1979	1.3	43%	67%
1958	1.6	0.0	1.6	81%	1950	1.3	44%	67%
1959	1.2	0.0	1.2	59%	1940	1.3	46%	67%
1960	0.8	0.0	0.8	42%	1936	1.3	47%	66%
1961	0.9	0.0	0.9	44%	2000	1.3	48%	65%
1962	1.5	0.0	1.5	74%	1928	1.3	49%	64%
1963	1.2	0.0	1.2	61%	1928	1.3	51%	64%
1964	1.3	0.0	1.3	63%	1946	1.3	52%	64%

EMPIRE WEST SIDE ID (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.0 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.0 TAF)
1965	1.5	0.0	1.5	73%	1989	1.3	53%	64%
1966	1.2	0.0	1.2	59%	1964	1.3	54%	63%
1967	1.4	0.0	1.4	72%	1971	1.2	56%	61%
1968	1.3	0.0	1.3	64%	1963	1.2	57%	61%
1969	2.0	0.0	2.0	100%	1976	1.2	58%	61%
1970	1.4	0.0	1.4	70%	1923	1.2	59%	60%
1971	1.2	0.0	1.2	61%	1953	1.2	60%	60%
1972	1.1	0.0	1.1	55%	1959	1.2	62%	59%
1973	1.4	0.0	1.4	72%	1954	1.2	63%	59%
1974	1.5	0.0	1.5	73%	1966	1.2	64%	59%
1975	1.4	0.0	1.4	69%	1948	1.2	65%	58%
1976	1.2	0.0	1.2	61%	1926	1.1	67%	56%
1977	0.2	0.0	0.2	10%	1947	1.1	68%	55%
1978	1.6	0.0	1.6	79%	1972	1.1	69%	55%
1979	1.3	0.0	1.3	67%	1957	1.1	70%	54%
1980	1.7	0.0	1.7	85%	1981	1.0	72%	52%
1981	1.0	0.0	1.0	52%	2003	1.0	73%	52%
1982	2.0	0.0	2.0	98%	1994	1.0	74%	51%
1983	2.0	0.0	2.0	100%	1939	0.9	75%	46%
1984	1.6	0.0	1.6	78%	1961	0.9	77%	44%
1985	1.4	0.0	1.4	68%	1925	0.9	78%	43%
1986	1.6	0.0	1.6	78%	1960	0.8	79%	42%
1987	0.5	0.0	0.5	24%	1933	0.8	80%	42%
1988	0.5	0.0	0.5	24%	1944	0.8	81%	42%
1989	1.3	0.0	1.3	64%	1930	0.7	83%	37%
1990	0.3	0.0	0.3	17%	1955	0.7	84%	37%
1991	0.5	0.0	0.5	27%	1931	0.7	85%	37%
1992	0.4	0.0	0.4	22%	1932	0.7	86%	36%
1993	1.4	0.0	1.4	71%	1949	0.7	88%	35%
1994	1.0	0.0	1.0	51%	1991	0.5	89%	27%
1995	1.8	0.0	1.8	90%	2001	0.5	90%	24%
1996	1.4	0.0	1.4	72%	1988	0.5	91%	24%
1997	1.6	0.0	1.6	80%	1987	0.5	93%	24%
1998	1.8	0.0	1.8	90%	1929	0.5	94%	23%
1999	1.4	0.0	1.4	68%	1992	0.4	95%	22%
2000	1.3	0.0	1.3	65%	1934	0.4	96%	21%
2001	0.5	0.0	0.5	24%	1924	0.3	98%	17%
2002	1.4	0.0	1.4	69%	1990	0.3	99%	17%
2003	1.0	0.0	1.0	52%	1977	0.2	100%	10%
Average	1.2	0.0	1.2	60%		1.2		60%
Maximum	2.0	0.0	2.0	100%		2.0		100%
Minimum	0.2	0.0	0.2	10%		0.2		10%

KERN COUNTY WA – AG: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (848.13 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (848.13 TAF)
1922	580	0	580	68%	1969	848	0%	100%
1923	507	0	507	60%	1938	848	1%	100%
1924	148	0	148	17%	1983	848	2%	100%
1925	359	0	359	42%	1982	834	4%	98%
1926	476	0	476	56%	1998	768	5%	91%
1927	613	0	613	72%	1995	763	6%	90%
1928	551	0	551	65%	1980	722	7%	85%
1929	197	0	197	23%	1956	709	9%	84%
1930	317	0	317	37%	1937	705	10%	83%
1931	309	0	309	36%	1958	693	11%	82%
1932	304	0	304	36%	1997	682	12%	80%
1933	359	0	359	42%	1952	677	14%	80%
1934	181	0	181	21%	1978	673	15%	79%
1935	596	0	596	70%	1951	667	16%	79%
1936	559	0	559	66%	1986	667	17%	79%
1937	705	0	705	83%	1984	665	19%	78%
1938	848	0	848	100%	1941	657	20%	78%
1939	395	0	395	47%	1943	640	21%	75%
1940	575	0	575	68%	1962	633	22%	75%
1941	657	0	657	78%	1945	633	23%	75%
1942	580	0	580	68%	1974	622	25%	73%
1943	640	0	640	75%	1965	617	26%	73%
1944	349	0	349	41%	1996	616	27%	73%
1945	633	0	633	75%	1967	614	28%	72%
1946	544	0	544	64%	1927	613	30%	72%
1947	470	0	470	55%	1973	607	31%	72%
1948	498	0	498	59%	1993	604	32%	71%
1949	300	0	300	35%	1935	596	33%	70%
1950	574	0	574	68%	1970	594	35%	70%
1951	667	0	667	79%	2002	585	36%	69%
1952	677	0	677	80%	1975	584	37%	69%
1953	505	0	505	60%	1999	580	38%	68%
1954	507	0	507	60%	1942	580	40%	68%
1955	310	0	310	37%	1922	580	41%	68%
1956	709	0	709	84%	1985	578	42%	68%
1957	457	0	457	54%	1940	575	43%	68%
1958	693	0	693	82%	1950	574	44%	68%
1959	502	0	502	59%	1979	571	46%	67%
1960	359	0	359	42%	1936	559	47%	66%
1961	375	0	375	44%	2000	558	48%	66%
1962	633	0	633	75%	1928	551	49%	65%
1963	515	0	515	61%	1968	546	51%	64%
1964	537	0	537	63%	1946	544	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

KERN COUNTY WA – AG (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (848.13 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (848.13 TAF)
1965	617	0	617	73%	1989	543	53%	64%
1966	501	0	501	59%	1964	537	54%	63%
1967	614	0	614	72%	1971	518	56%	61%
1968	546	0	546	64%	1976	517	57%	61%
1969	848	0	848	100%	1963	515	58%	61%
1970	594	0	594	70%	1954	507	59%	60%
1971	518	0	518	61%	1923	507	60%	60%
1972	463	0	463	55%	1953	505	62%	60%
1973	607	0	607	72%	1959	502	63%	59%
1974	622	0	622	73%	1966	501	64%	59%
1975	584	0	584	69%	1948	498	65%	59%
1976	517	0	517	61%	1926	476	67%	56%
1977	89	0	89	10%	1947	470	68%	55%
1978	673	0	673	79%	1972	463	69%	55%
1979	571	0	571	67%	1957	457	70%	54%
1980	722	0	722	85%	1981	446	72%	53%
1981	446	0	446	53%	1994	432	73%	51%
1982	834	0	834	98%	2003	408	74%	48%
1983	848	0	848	100%	1939	395	75%	47%
1984	665	0	665	78%	1961	375	77%	44%
1985	578	0	578	68%	1925	359	78%	42%
1986	667	0	667	79%	1960	359	79%	42%
1987	206	0	206	24%	1933	359	80%	42%
1988	202	0	202	24%	1944	349	81%	41%
1989	543	0	543	64%	1930	317	83%	37%
1990	139	0	139	16%	1955	310	84%	37%
1991	228	0	228	27%	1931	309	85%	36%
1992	176	0	176	21%	1932	304	86%	36%
1993	604	0	604	71%	1949	300	88%	35%
1994	432	0	432	51%	1991	228	89%	27%
1995	763	0	763	90%	1987	206	90%	24%
1996	616	0	616	73%	2001	203	91%	24%
1997	682	0	682	80%	1988	202	93%	24%
1998	768	0	768	91%	1929	197	94%	23%
1999	580	0	580	68%	1934	181	95%	21%
2000	558	0	558	66%	1992	176	96%	21%
2001	203	0	203	24%	1924	148	98%	17%
2002	585	0	585	69%	1990	139	99%	16%
2003	408	0	408	48%	1977	89	100%	10%
Average	513	0	513	61%		513		61%
Maximum	848	0	848	100%		848		100%
Minimum	89	0	89	10%		89		10%

KERN COUNTY WA – MI: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (134.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (134.6 TAF)
1922	92	0	92	68%	1983	135	0%	100%
1923	80	0	80	60%	1938	135	1%	100%
1924	24	0	24	18%	1969	135	2%	100%
1925	57	0	57	42%	1982	132	4%	98%
1926	76	0	76	56%	1998	122	5%	91%
1927	97	0	97	72%	1995	121	6%	90%
1928	87	0	87	65%	1980	115	7%	85%
1929	31	0	31	23%	1956	112	9%	84%
1930	50	0	50	37%	1937	112	10%	83%
1931	49	0	49	36%	1958	110	11%	82%
1932	48	0	48	36%	1997	108	12%	80%
1933	57	0	57	42%	1952	107	14%	80%
1934	29	0	29	21%	1978	107	15%	79%
1935	95	0	95	70%	1951	106	16%	79%
1936	89	0	89	66%	1986	106	17%	79%
1937	112	0	112	83%	1984	106	19%	78%
1938	135	0	135	100%	1941	104	20%	78%
1939	63	0	63	47%	1943	102	21%	75%
1940	91	0	91	68%	1962	101	22%	75%
1941	104	0	104	78%	1945	101	23%	75%
1942	92	0	92	68%	1974	99	25%	73%
1943	102	0	102	75%	1965	98	26%	73%
1944	55	0	55	41%	1996	98	27%	73%
1945	101	0	101	75%	1967	97	28%	72%
1946	86	0	86	64%	1927	97	30%	72%
1947	75	0	75	55%	1973	96	31%	72%
1948	79	0	79	59%	1993	96	32%	71%
1949	48	0	48	35%	1935	95	33%	70%
1950	91	0	91	68%	1970	94	35%	70%
1951	106	0	106	79%	2002	93	36%	69%
1952	107	0	107	80%	1975	93	37%	69%
1953	80	0	80	59%	1999	92	38%	68%
1954	80	0	80	60%	1942	92	40%	68%
1955	49	0	49	37%	1922	92	41%	68%
1956	112	0	112	84%	1985	92	42%	68%
1957	73	0	73	54%	1940	91	43%	68%
1958	110	0	110	82%	1950	91	44%	68%
1959	80	0	80	59%	1979	91	46%	67%
1960	57	0	57	42%	1936	89	47%	66%
1961	60	0	60	44%	2000	89	48%	66%
1962	101	0	101	75%	1928	87	49%	65%
1963	82	0	82	61%	1968	87	51%	64%
1964	85	0	85	63%	1946	86	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

KERN COUNTY WA – MI (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (134.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (134.6 TAF)
1965	98	0	98	73%	1989	86	53%	64%
1966	79	0	79	59%	1964	85	54%	63%
1967	97	0	97	72%	1971	82	56%	61%
1968	87	0	87	64%	1976	82	57%	61%
1969	135	0	135	100%	1963	82	58%	61%
1970	94	0	94	70%	1954	80	59%	60%
1971	82	0	82	61%	1923	80	60%	60%
1972	73	0	73	55%	1953	80	62%	59%
1973	96	0	96	72%	1959	80	63%	59%
1974	99	0	99	73%	1966	79	64%	59%
1975	93	0	93	69%	1948	79	65%	59%
1976	82	0	82	61%	1926	76	67%	56%
1977	14	0	14	10%	1947	75	68%	55%
1978	107	0	107	79%	1972	73	69%	55%
1979	91	0	91	67%	1957	73	70%	54%
1980	115	0	115	85%	1981	71	72%	53%
1981	71	0	71	53%	1994	69	73%	51%
1982	132	0	132	98%	2003	65	74%	48%
1983	135	0	135	100%	1939	63	75%	47%
1984	106	0	106	78%	1961	60	77%	44%
1985	92	0	92	68%	1925	57	78%	42%
1986	106	0	106	79%	1960	57	79%	42%
1987	33	0	33	24%	1933	57	80%	42%
1988	32	0	32	24%	1944	55	81%	41%
1989	86	0	86	64%	1930	50	83%	37%
1990	22	0	22	16%	1955	49	84%	37%
1991	36	0	36	27%	1931	49	85%	36%
1992	28	0	28	21%	1932	48	86%	36%
1993	96	0	96	71%	1949	48	88%	35%
1994	69	0	69	51%	1991	36	89%	27%
1995	121	0	121	90%	1987	33	90%	24%
1996	98	0	98	73%	2001	32	91%	24%
1997	108	0	108	80%	1988	32	93%	24%
1998	122	0	122	91%	1929	31	94%	23%
1999	92	0	92	68%	1934	29	95%	21%
2000	89	0	89	66%	1992	28	96%	21%
2001	32	0	32	24%	1924	24	98%	18%
2002	93	0	93	69%	1990	22	99%	16%
2003	65	0	65	48%	1977	14	100%	10%
Average	81	0	81	61%		81		61%
Maximum	135	0	135	100%		135		100%
Minimum	14	0	14	10%		14		10%

LITTLE ROCK CREEK ID: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.3 TAF)
1922	2	0	2	68%	1983	2	0%	100%
1923	1	0	1	60%	1969	2	1%	100%
1924	0	0	0	17%	1938	2	2%	100%
1925	1	0	1	42%	1982	2	4%	99%
1926	1	0	1	56%	1998	2	5%	90%
1927	2	0	2	72%	1995	2	6%	90%
1928	1	0	1	65%	1980	2	7%	85%
1929	1	0	1	23%	1956	2	9%	84%
1930	1	0	1	38%	1937	2	10%	83%
1931	1	0	1	36%	1958	2	11%	81%
1932	1	0	1	36%	1997	2	12%	81%
1933	1	0	1	42%	1952	2	14%	80%
1934	0	0	0	21%	1978	2	15%	79%
1935	2	0	2	70%	1951	2	16%	79%
1936	2	0	2	66%	1986	2	17%	78%
1937	2	0	2	83%	1984	2	19%	78%
1938	2	0	2	100%	1941	2	20%	77%
1939	1	0	1	47%	1943	2	21%	75%
1940	2	0	2	68%	1962	2	22%	75%
1941	2	0	2	77%	1945	2	23%	75%
1942	2	0	2	68%	1974	2	25%	74%
1943	2	0	2	75%	1965	2	26%	73%
1944	1	0	1	41%	1967	2	27%	73%
1945	2	0	2	75%	1996	2	28%	72%
1946	1	0	1	64%	1927	2	30%	72%
1947	1	0	1	56%	1973	2	31%	71%
1948	1	0	1	59%	1993	2	32%	71%
1949	1	0	1	35%	1970	2	33%	70%
1950	2	0	2	68%	1935	2	35%	70%
1951	2	0	2	79%	2002	2	36%	69%
1952	2	0	2	80%	1999	2	37%	69%
1953	1	0	1	60%	1975	2	38%	68%
1954	1	0	1	60%	1942	2	40%	68%
1955	1	0	1	36%	1985	2	41%	68%
1956	2	0	2	84%	1922	2	42%	68%
1957	1	0	1	54%	1940	2	43%	68%
1958	2	0	2	81%	1950	2	44%	68%
1959	1	0	1	59%	1979	2	46%	67%
1960	1	0	1	43%	1936	2	47%	66%
1961	1	0	1	44%	2000	2	48%	66%
1962	2	0	2	75%	1928	1	49%	65%
1963	1	0	1	61%	1968	1	51%	65%
1964	1	0	1	63%	1989	1	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

LITTLE ROCK CREEK ID (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (2.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (2.3 TAF)
1965	2	0	2	73%	1946	1	53%	64%
1966	1	0	1	59%	1964	1	54%	63%
1967	2	0	2	73%	1963	1	56%	61%
1968	1	0	1	65%	1971	1	57%	61%
1969	2	0	2	100%	1976	1	58%	61%
1970	2	0	2	70%	1923	1	59%	60%
1971	1	0	1	61%	1953	1	60%	60%
1972	1	0	1	54%	1954	1	62%	60%
1973	2	0	2	71%	1959	1	63%	59%
1974	2	0	2	74%	1966	1	64%	59%
1975	2	0	2	68%	1948	1	65%	59%
1976	1	0	1	61%	1926	1	67%	56%
1977	0	0	0	10%	1947	1	68%	56%
1978	2	0	2	79%	1972	1	69%	54%
1979	2	0	2	67%	1957	1	70%	54%
1980	2	0	2	85%	1981	1	72%	52%
1981	1	0	1	52%	1994	1	73%	50%
1982	2	0	2	99%	1939	1	74%	47%
1983	2	0	2	100%	2003	1	75%	46%
1984	2	0	2	78%	1961	1	77%	44%
1985	2	0	2	68%	1960	1	78%	43%
1986	2	0	2	78%	1925	1	79%	42%
1987	1	0	1	24%	1933	1	80%	42%
1988	1	0	1	24%	1944	1	81%	41%
1989	1	0	1	64%	1930	1	83%	38%
1990	0	0	0	16%	1955	1	84%	36%
1991	1	0	1	27%	1931	1	85%	36%
1992	0	0	0	21%	1932	1	86%	36%
1993	2	0	2	71%	1949	1	88%	35%
1994	1	0	1	50%	1991	1	89%	27%
1995	2	0	2	90%	1987	1	90%	24%
1996	2	0	2	72%	1988	1	91%	24%
1997	2	0	2	81%	2001	1	93%	23%
1998	2	0	2	90%	1929	1	94%	23%
1999	2	0	2	69%	1934	0	95%	21%
2000	2	0	2	66%	1992	0	96%	21%
2001	1	0	1	23%	1924	0	98%	17%
2002	2	0	2	69%	1990	0	99%	16%
2003	1	0	1	46%	1977	0	100%	10%
Average	1	0	1	60%		1		60%
Maximum	2	0	2	100%		2		100%
Minimum	0	0	0	10%		0		10%

METROPOLITAN WDSC: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (1911.5 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (1911.5 TAF)
1922	1188	0	1188	62%	1983	1853	0%	97%
1923	1116	94	1210	63%	1938	1708	1%	89%
1924	334	25	360	19%	1998	1680	2%	88%
1925	810	0	810	42%	1969	1659	4%	87%
1926	1029	0	1029	54%	1982	1650	5%	86%
1927	1262	44	1306	68%	1980	1551	6%	81%
1928	1170	119	1288	67%	1997	1516	7%	79%
1929	444	69	512	27%	1952	1508	9%	79%
1930	714	0	714	37%	1937	1484	10%	78%
1931	697	0	697	36%	1951	1431	11%	75%
1932	686	0	686	36%	1956	1430	12%	75%
1933	808	0	808	42%	1986	1421	14%	74%
1934	409	0	409	21%	1984	1410	15%	74%
1935	1203	0	1203	63%	1974	1402	16%	73%
1936	1158	139	1297	68%	1999	1367	17%	72%
1937	1409	75	1484	78%	1943	1361	19%	71%
1938	1543	165	1708	89%	1941	1360	20%	71%
1939	891	102	993	52%	1978	1357	21%	71%
1940	1180	0	1180	62%	1985	1346	22%	70%
1941	1308	52	1360	71%	1979	1340	23%	70%
1942	1176	13	1189	62%	1975	1325	25%	69%
1943	1276	84	1361	71%	1995	1322	26%	69%
1944	787	136	923	48%	1946	1314	27%	69%
1945	1278	0	1278	67%	1968	1310	28%	69%
1946	1164	149	1314	69%	1927	1306	30%	68%
1947	1004	61	1066	56%	1970	1303	31%	68%
1948	1117	55	1171	61%	1958	1303	32%	68%
1949	677	3	680	36%	1936	1297	33%	68%
1950	1195	0	1195	63%	1963	1294	35%	68%
1951	1346	84	1431	75%	1928	1288	36%	67%
1952	1351	157	1508	79%	2000	1284	37%	67%
1953	1097	129	1227	64%	1965	1281	38%	67%
1954	1131	19	1150	60%	1962	1278	40%	67%
1955	699	11	710	37%	1945	1278	41%	67%
1956	1430	0	1430	75%	1967	1271	42%	66%
1957	1030	137	1166	61%	1966	1243	43%	65%
1958	1303	0	1303	68%	1971	1240	44%	65%
1959	1111	85	1196	63%	1996	1238	46%	65%
1960	808	20	828	43%	1973	1229	47%	64%
1961	845	0	845	44%	1953	1227	48%	64%
1962	1278	0	1278	67%	1993	1219	49%	64%
1963	1144	149	1294	68%	2002	1219	51%	64%
1964	1159	15	1175	61%	1923	1210	52%	63%

Technical Addendum to the SWP Delivery Reliability Report 2011

METROPOLITAN WDSC (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (1911.5 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (1911.5 TAF)
1965	1236	45	1281	67%	1935	1203	53%	63%
1966	1098	145	1243	65%	1959	1196	54%	63%
1967	1241	30	1271	66%	1950	1195	56%	63%
1968	1167	142	1310	69%	1942	1189	57%	62%
1969	1595	64	1659	87%	1922	1188	58%	62%
1970	1202	101	1303	68%	1940	1180	59%	62%
1971	1106	134	1240	65%	1964	1175	60%	61%
1972	1044	38	1081	57%	1948	1171	62%	61%
1973	1229	0	1229	64%	1957	1166	63%	61%
1974	1264	139	1402	73%	1989	1155	64%	60%
1975	1188	138	1325	69%	1954	1150	65%	60%
1976	983	128	1112	58%	1981	1148	67%	60%
1977	200	9	210	11%	1976	1112	68%	58%
1978	1357	0	1357	71%	1972	1081	69%	57%
1979	1181	159	1340	70%	1947	1066	70%	56%
1980	1454	98	1551	81%	1994	1040	72%	54%
1981	1004	144	1148	60%	1926	1029	73%	54%
1982	1650	0	1650	86%	1939	993	74%	52%
1983	1685	168	1853	97%	1944	923	75%	48%
1984	1342	68	1410	74%	1961	845	77%	44%
1985	1189	157	1346	70%	1960	828	78%	43%
1986	1313	108	1421	74%	1925	810	79%	42%
1987	463	86	549	29%	1933	808	80%	42%
1988	455	0	455	24%	2003	781	81%	41%
1989	1155	0	1155	60%	1930	714	83%	37%
1990	313	68	381	20%	1955	710	84%	37%
1991	513	0	513	27%	1931	697	85%	36%
1992	397	0	397	21%	1932	686	86%	36%
1993	1219	0	1219	64%	1949	680	88%	36%
1994	975	66	1040	54%	1987	549	89%	29%
1995	1322	0	1322	69%	2001	540	90%	28%
1996	1230	8	1238	65%	1991	513	91%	27%
1997	1371	145	1516	79%	1929	512	93%	27%
1998	1537	144	1680	88%	1988	455	94%	24%
1999	1186	181	1367	72%	1934	409	95%	21%
2000	1162	122	1284	67%	1992	397	96%	21%
2001	457	84	540	28%	1990	381	98%	20%
2002	1219	0	1219	64%	1924	360	99%	19%
2003	748	33	781	41%	1977	210	100%	11%
Average	1064	63	1126	59%		1126		59%
Maximum	1685	181	1853	97%		1853		97%
Minimum	200	0	210	11%		210		11%

MOJAVE WA: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (82.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (82.8 TAF)
1922	57	0	57	68%	1983	83	0%	100%
1923	49	0	49	60%	1969	83	1%	100%
1924	14	0	14	17%	1938	83	2%	100%
1925	35	0	35	42%	1982	82	4%	98%
1926	46	0	46	56%	1998	75	5%	90%
1927	60	0	60	72%	1995	74	6%	90%
1928	54	0	54	65%	1980	70	7%	85%
1929	19	0	19	23%	1956	69	9%	84%
1930	31	0	31	37%	1937	69	10%	83%
1931	30	0	30	36%	1958	68	11%	82%
1932	30	0	30	36%	1997	67	12%	80%
1933	35	0	35	42%	1952	66	14%	80%
1934	18	0	18	21%	1978	66	15%	79%
1935	58	0	58	70%	1951	65	16%	79%
1936	55	0	55	66%	1986	65	17%	79%
1937	69	0	69	83%	1984	65	19%	78%
1938	83	0	83	100%	1941	64	20%	77%
1939	39	0	39	47%	1943	62	21%	75%
1940	56	0	56	68%	1962	62	22%	75%
1941	64	0	64	77%	1945	62	23%	75%
1942	57	0	57	68%	1974	61	25%	73%
1943	62	0	62	75%	1965	60	26%	73%
1944	34	0	34	41%	1967	60	27%	72%
1945	62	0	62	75%	1996	60	28%	72%
1946	53	0	53	64%	1927	60	30%	72%
1947	46	0	46	56%	1973	59	31%	71%
1948	49	0	49	59%	1993	59	32%	71%
1949	29	0	29	35%	1970	58	33%	70%
1950	56	0	56	68%	1935	58	35%	70%
1951	65	0	65	79%	2002	57	36%	69%
1952	66	0	66	80%	1975	57	37%	69%
1953	49	0	49	60%	1999	57	38%	69%
1954	49	0	49	60%	1942	57	40%	68%
1955	30	0	30	37%	1922	57	41%	68%
1956	69	0	69	84%	1985	56	42%	68%
1957	45	0	45	54%	1940	56	43%	68%
1958	68	0	68	82%	1950	56	44%	68%
1959	49	0	49	59%	1979	56	46%	67%
1960	35	0	35	42%	1936	55	47%	66%
1961	37	0	37	44%	2000	54	48%	66%
1962	62	0	62	75%	1928	54	49%	65%
1963	50	0	50	61%	1968	53	51%	65%
1964	52	0	52	63%	1946	53	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

MOJAVE WA (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (82.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (82.8 TAF)
1965	60	0	60	73%	1989	53	53%	64%
1966	49	0	49	59%	1964	52	54%	63%
1967	60	0	60	72%	1971	51	56%	61%
1968	53	0	53	65%	1976	50	57%	61%
1969	83	0	83	100%	1963	50	58%	61%
1970	58	0	58	70%	1923	49	59%	60%
1971	51	0	51	61%	1954	49	60%	60%
1972	45	0	45	54%	1953	49	62%	60%
1973	59	0	59	71%	1959	49	63%	59%
1974	61	0	61	73%	1966	49	64%	59%
1975	57	0	57	69%	1948	49	65%	59%
1976	50	0	50	61%	1926	46	67%	56%
1977	9	0	9	10%	1947	46	68%	56%
1978	66	0	66	79%	1972	45	69%	54%
1979	56	0	56	67%	1957	45	70%	54%
1980	70	0	70	85%	1981	43	72%	53%
1981	43	0	43	53%	1994	42	73%	51%
1982	82	0	82	98%	1939	39	74%	47%
1983	83	0	83	100%	1961	37	75%	44%
1984	65	0	65	78%	2003	36	77%	43%
1985	56	0	56	68%	1960	35	78%	42%
1986	65	0	65	79%	1925	35	79%	42%
1987	20	0	20	24%	1933	35	80%	42%
1988	20	0	20	24%	1944	34	81%	41%
1989	53	0	53	64%	1930	31	83%	37%
1990	14	0	14	16%	1955	30	84%	37%
1991	22	0	22	27%	1931	30	85%	36%
1992	17	0	17	21%	1932	30	86%	36%
1993	59	0	59	71%	1949	29	88%	35%
1994	42	0	42	51%	1991	22	89%	27%
1995	74	0	74	90%	1987	20	90%	24%
1996	60	0	60	72%	2001	20	91%	24%
1997	67	0	67	80%	1988	20	93%	24%
1998	75	0	75	90%	1929	19	94%	23%
1999	57	0	57	69%	1934	18	95%	21%
2000	54	0	54	66%	1992	17	96%	21%
2001	20	0	20	24%	1924	14	98%	17%
2002	57	0	57	69%	1990	14	99%	16%
2003	36	0	36	43%	1977	9	100%	10%
Average	50	0	50	60%		50		60%
Maximum	83	0	83	100%		83		100%
Minimum	9	0	9	10%		9		10%

NAPA COUNTY FC&WCD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (29.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (29.3 TAF)
1922	20	0	20	68%	1969	29	0%	99%
1923	17	0	17	59%	1938	29	1%	99%
1924	5	0	5	17%	1983	29	2%	99%
1925	12	0	12	42%	1982	29	4%	97%
1926	16	0	16	56%	1998	26	5%	90%
1927	21	0	21	72%	1995	26	6%	88%
1928	18	0	18	61%	1980	25	7%	84%
1929	7	0	7	23%	1956	24	9%	83%
1930	11	0	11	37%	1937	24	10%	82%
1931	11	0	11	36%	1958	23	11%	80%
1932	10	0	10	36%	1997	23	12%	80%
1933	12	0	12	42%	1952	23	14%	79%
1934	6	0	6	21%	1951	23	15%	78%
1935	19	0	19	63%	1986	23	16%	78%
1936	19	0	19	65%	1984	23	17%	78%
1937	24	0	24	82%	1941	22	19%	77%
1938	29	0	29	99%	1943	22	20%	75%
1939	14	0	14	46%	1945	22	21%	74%
1940	20	0	20	67%	1974	21	22%	73%
1941	22	0	22	77%	1965	21	23%	72%
1942	20	0	20	68%	1996	21	25%	72%
1943	22	0	22	75%	1967	21	26%	72%
1944	12	0	12	41%	1927	21	27%	72%
1945	22	0	22	74%	1973	21	28%	71%
1946	19	0	19	64%	1962	21	30%	71%
1947	16	0	16	55%	1993	21	31%	71%
1948	17	0	17	57%	1970	20	32%	69%
1949	10	0	10	35%	1978	20	33%	69%
1950	20	0	20	67%	2002	20	35%	68%
1951	23	0	23	78%	1975	20	36%	68%
1952	23	0	23	79%	1999	20	37%	68%
1953	17	0	17	59%	1942	20	38%	68%
1954	17	0	17	57%	1922	20	40%	68%
1955	11	0	11	36%	1985	20	41%	68%
1956	24	0	24	83%	1940	20	42%	67%
1957	16	0	16	53%	1950	20	43%	67%
1958	23	0	23	80%	1936	19	44%	65%
1959	14	0	14	47%	2000	19	46%	65%
1960	12	0	12	42%	1968	19	47%	64%
1961	12	0	12	42%	1946	19	48%	64%
1962	21	0	21	71%	1989	19	49%	63%
1963	18	0	18	60%	1935	19	51%	63%
1964	18	0	18	63%	1964	18	52%	63%

Technical Addendum to the SWP Delivery Reliability Report 2011

NAPA COUNTY FC&WCD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (29.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (29.3 TAF)
1965	21	0	21	72%	1928	18	53%	61%
1966	17	0	17	59%	1971	18	54%	61%
1967	21	0	21	72%	1963	18	56%	60%
1968	19	0	19	64%	1979	17	57%	60%
1969	29	0	29	99%	1976	17	58%	59%
1970	20	0	20	69%	1923	17	59%	59%
1971	18	0	18	61%	1953	17	60%	59%
1972	16	0	16	54%	1966	17	62%	59%
1973	21	0	21	71%	1948	17	63%	57%
1974	21	0	21	73%	1954	17	64%	57%
1975	20	0	20	68%	1926	16	65%	56%
1976	17	0	17	59%	1947	16	67%	55%
1977	3	0	3	10%	1972	16	68%	54%
1978	20	0	20	69%	1957	16	69%	53%
1979	17	0	17	60%	1981	15	70%	52%
1980	25	0	25	84%	1994	15	72%	51%
1981	15	0	15	52%	1959	14	73%	47%
1982	29	0	29	97%	1939	14	74%	46%
1983	29	0	29	99%	1961	12	75%	42%
1984	23	0	23	78%	1925	12	77%	42%
1985	20	0	20	68%	1933	12	78%	42%
1986	23	0	23	78%	1960	12	79%	42%
1987	7	0	7	24%	1944	12	80%	41%
1988	7	0	7	24%	1930	11	81%	37%
1989	19	0	19	63%	1955	11	83%	36%
1990	5	0	5	16%	1931	11	84%	36%
1991	8	0	8	27%	1932	10	85%	36%
1992	6	0	6	21%	1949	10	86%	35%
1993	21	0	21	71%	1991	8	88%	27%
1994	15	0	15	51%	1987	7	89%	24%
1995	26	0	26	88%	2001	7	90%	24%
1996	21	0	21	72%	1988	7	91%	24%
1997	23	0	23	80%	1929	7	93%	23%
1998	26	0	26	90%	1934	6	94%	21%
1999	20	0	20	68%	1992	6	95%	21%
2000	19	0	19	65%	1924	5	96%	17%
2001	7	0	7	24%	2003	5	98%	17%
2002	20	0	20	68%	1990	5	99%	16%
2003	5	0	5	17%	1977	3	100%	10%
Average	17	0	17	59%		17		59%
Maximum	29	0	29	99%		29		99%
Minimum	3	0	3	10%		3		10%

OAK FLAT WD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.7 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.7 TAF)
1922	4	0	4	68%	1938	6	0%	100%
1923	3	0	3	60%	1983	6	1%	100%
1924	1	0	1	17%	1969	6	2%	100%
1925	2	0	2	42%	1982	6	4%	98%
1926	3	0	3	56%	1998	5	5%	91%
1927	4	0	4	72%	1995	5	6%	90%
1928	4	0	4	65%	1980	5	7%	85%
1929	1	0	1	23%	1956	5	9%	83%
1930	2	0	2	37%	1937	5	10%	83%
1931	2	0	2	36%	1958	5	11%	82%
1932	2	0	2	36%	1997	5	12%	80%
1933	2	0	2	42%	1952	5	14%	80%
1934	1	0	1	22%	1978	5	15%	80%
1935	4	0	4	70%	1986	4	16%	79%
1936	4	0	4	66%	1951	4	17%	79%
1937	5	0	5	83%	1984	4	19%	79%
1938	6	0	6	100%	1941	4	20%	77%
1939	3	0	3	47%	1943	4	21%	76%
1940	4	0	4	68%	1945	4	22%	75%
1941	4	0	4	77%	1962	4	23%	75%
1942	4	0	4	69%	1974	4	25%	73%
1943	4	0	4	76%	1965	4	26%	73%
1944	2	0	2	41%	1996	4	27%	73%
1945	4	0	4	75%	1967	4	28%	72%
1946	4	0	4	64%	1927	4	30%	72%
1947	3	0	3	56%	1973	4	31%	72%
1948	3	0	3	59%	1993	4	32%	71%
1949	2	0	2	36%	1935	4	33%	70%
1950	4	0	4	68%	1970	4	35%	70%
1951	4	0	4	79%	2002	4	36%	69%
1952	5	0	5	80%	1975	4	37%	69%
1953	3	0	3	60%	1942	4	38%	69%
1954	3	0	3	60%	1922	4	40%	68%
1955	2	0	2	37%	1999	4	41%	68%
1956	5	0	5	83%	1985	4	42%	68%
1957	3	0	3	54%	1940	4	43%	68%
1958	5	0	5	82%	1950	4	44%	68%
1959	3	0	3	59%	1979	4	46%	67%
1960	2	0	2	42%	1936	4	47%	66%
1961	3	0	3	44%	2000	4	48%	66%
1962	4	0	4	75%	1928	4	49%	65%
1963	3	0	3	61%	1968	4	51%	65%
1964	4	0	4	63%	1946	4	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

OAK FLAT WD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (5.7 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (5.7 TAF)
1965	4	0	4	73%	1989	4	53%	64%
1966	3	0	3	59%	1964	4	54%	63%
1967	4	0	4	72%	1971	3	56%	61%
1968	4	0	4	65%	1976	3	57%	61%
1969	6	0	6	100%	1963	3	58%	61%
1970	4	0	4	70%	1954	3	59%	60%
1971	3	0	3	61%	1923	3	60%	60%
1972	3	0	3	55%	1953	3	62%	60%
1973	4	0	4	72%	1959	3	63%	59%
1974	4	0	4	73%	1966	3	64%	59%
1975	4	0	4	69%	1948	3	65%	59%
1976	3	0	3	61%	1926	3	67%	56%
1977	1	0	1	11%	1947	3	68%	56%
1978	5	0	5	80%	1972	3	69%	55%
1979	4	0	4	67%	1957	3	70%	54%
1980	5	0	5	85%	1981	3	72%	53%
1981	3	0	3	53%	2003	3	73%	52%
1982	6	0	6	98%	1994	3	74%	51%
1983	6	0	6	100%	1939	3	75%	47%
1984	4	0	4	79%	1961	3	77%	44%
1985	4	0	4	68%	1960	2	78%	42%
1986	4	0	4	79%	1925	2	79%	42%
1987	1	0	1	24%	1925	2	80%	42%
1988	1	0	1	24%	1944	2	81%	41%
1989	4	0	4	64%	1930	2	83%	37%
1990	1	0	1	16%	1955	2	84%	37%
1991	2	0	2	27%	1931	2	85%	36%
1992	1	0	1	21%	1932	2	86%	36%
1993	4	0	4	71%	1949	2	88%	36%
1994	3	0	3	51%	1991	2	89%	27%
1995	5	0	5	90%	1987	1	90%	24%
1996	4	0	4	73%	2001	1	91%	24%
1997	5	0	5	80%	1988	1	93%	24%
1998	5	0	5	91%	1929	1	94%	23%
1999	4	0	4	68%	1934	1	95%	22%
2000	4	0	4	66%	1992	1	96%	21%
2001	1	0	1	24%	1924	1	98%	17%
2002	4	0	4	69%	1990	1	99%	16%
2003	3	0	3	52%	1977	1	100%	11%
Average	3	0	3	61%		3		61%
Maximum	6	0	6	100%		6		100%
Minimum	1	0	1	11%		1		11%

PALMDALE WD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (21.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (21.3 TAF)
1922	15	0	15	68%	1938	21	0%	100%
1923	13	0	13	60%	1969	21	1%	100%
1924	4	0	4	18%	1983	21	2%	100%
1925	9	0	9	42%	1982	21	4%	98%
1926	12	0	12	56%	1998	19	5%	91%
1927	15	0	15	72%	1995	19	6%	90%
1928	14	0	14	65%	1980	18	7%	85%
1929	5	0	5	23%	1956	18	9%	84%
1930	8	0	8	37%	1937	18	10%	83%
1931	8	0	8	36%	1958	17	11%	82%
1932	8	0	8	36%	1997	17	12%	80%
1933	9	0	9	42%	1952	17	14%	80%
1934	5	0	5	21%	1978	17	15%	79%
1935	15	0	15	70%	1951	17	16%	79%
1936	14	0	14	66%	1986	17	17%	79%
1937	18	0	18	83%	1984	17	19%	78%
1938	21	0	21	100%	1941	17	20%	77%
1939	10	0	10	47%	1943	16	21%	76%
1940	14	0	14	68%	1945	16	22%	75%
1941	17	0	17	77%	1962	16	23%	75%
1942	15	0	15	68%	1974	16	25%	73%
1943	16	0	16	76%	1965	15	26%	73%
1944	9	0	9	41%	1996	15	27%	73%
1945	16	0	16	75%	1967	15	28%	72%
1946	14	0	14	64%	1927	15	30%	72%
1947	12	0	12	55%	1973	15	31%	72%
1948	13	0	13	59%	1993	15	32%	71%
1949	8	0	8	35%	1935	15	33%	70%
1950	14	0	14	68%	1970	15	35%	70%
1951	17	0	17	79%	2002	15	36%	69%
1952	17	0	17	80%	1975	15	37%	69%
1953	13	0	13	60%	1999	15	38%	68%
1954	13	0	13	60%	1942	15	40%	68%
1955	8	0	8	37%	1922	15	41%	68%
1956	18	0	18	84%	1985	15	42%	68%
1957	11	0	11	54%	1940	14	43%	68%
1958	17	0	17	82%	1950	14	44%	68%
1959	13	0	13	59%	1979	14	46%	67%
1960	9	0	9	42%	1936	14	47%	66%
1961	9	0	9	44%	2000	14	48%	66%
1962	16	0	16	75%	1928	14	49%	65%
1963	13	0	13	61%	1968	14	51%	64%
1964	13	0	13	63%	1946	14	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

PALMDALE WD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (21.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (21.3 TAF)
1965	15	0	15	73%	1989	14	53%	64%
1966	13	0	13	59%	1964	13	54%	63%
1967	15	0	15	72%	1971	13	56%	61%
1968	14	0	14	64%	1976	13	57%	61%
1969	21	0	21	100%	1963	13	58%	61%
1970	15	0	15	70%	1954	13	59%	60%
1971	13	0	13	61%	1923	13	60%	60%
1972	12	0	12	55%	1953	13	62%	60%
1973	15	0	15	72%	1959	13	63%	59%
1974	16	0	16	73%	1966	13	64%	59%
1975	15	0	15	69%	1948	13	65%	59%
1976	13	0	13	61%	1926	12	67%	56%
1977	2	0	2	10%	1947	12	68%	55%
1978	17	0	17	79%	1972	12	69%	55%
1979	14	0	14	67%	1957	11	70%	54%
1980	18	0	18	85%	1981	11	72%	53%
1981	11	0	11	53%	1994	11	73%	51%
1982	21	0	21	98%	1939	10	74%	47%
1983	21	0	21	100%	1961	9	75%	44%
1984	17	0	17	78%	1925	9	77%	42%
1985	15	0	15	68%	1960	9	78%	42%
1986	17	0	17	79%	1933	9	79%	42%
1987	5	0	5	24%	2003	9	80%	42%
1988	5	0	5	24%	1944	9	81%	41%
1989	14	0	14	64%	1930	8	83%	37%
1990	3	0	3	16%	1955	8	84%	37%
1991	6	0	6	27%	1931	8	85%	36%
1992	4	0	4	21%	1932	8	86%	36%
1993	15	0	15	71%	1949	8	88%	35%
1994	11	0	11	51%	1991	6	89%	27%
1995	19	0	19	90%	1987	5	90%	24%
1996	15	0	15	73%	2001	5	91%	24%
1997	17	0	17	80%	1988	5	93%	24%
1998	19	0	19	91%	1929	5	94%	23%
1999	15	0	15	68%	1934	5	95%	21%
2000	14	0	14	66%	1992	4	96%	21%
2001	5	0	5	24%	1924	4	98%	18%
2002	15	0	15	69%	1990	3	99%	16%
2003	9	0	9	42%	1977	2	100%	10%
Average	13	0	13	60%		13		60%
Maximum	21	0	21	100%		21		100%
Minimum	2	0	2	10%		2		10%

SAN BERNARDINO VALLEY MWD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (102.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (102.6 TAF)
1922	64	0	64	62%	1983	100	0%	98%
1923	60	5	65	63%	1938	92	1%	90%
1924	18	1	19	19%	1998	91	2%	88%
1925	43	0	43	42%	1982	90	4%	87%
1926	55	0	55	54%	1969	87	5%	85%
1927	67	2	70	68%	1980	83	6%	81%
1928	63	7	69	68%	1952	82	7%	80%
1929	24	4	28	27%	1997	82	9%	80%
1930	38	0	38	37%	1937	80	10%	78%
1931	37	0	37	36%	1951	77	11%	75%
1932	37	0	37	36%	1956	76	12%	74%
1933	43	0	43	42%	1974	75	14%	73%
1934	22	0	22	21%	1999	74	15%	72%
1935	64	0	64	62%	1986	73	16%	72%
1936	56	8	63	62%	1941	73	17%	72%
1937	76	4	80	78%	1943	73	19%	72%
1938	83	9	92	90%	1984	73	20%	71%
1939	48	6	54	52%	1985	72	21%	71%
1940	63	0	63	62%	1978	72	22%	71%
1941	71	3	73	72%	1979	72	23%	70%
1942	63	1	64	62%	1975	71	25%	69%
1943	69	5	73	72%	1946	71	26%	69%
1944	42	7	50	48%	1968	71	27%	69%
1945	68	0	68	66%	1963	70	28%	68%
1946	62	9	71	69%	1927	70	30%	68%
1947	54	3	57	56%	1970	70	31%	68%
1948	60	3	63	62%	2000	70	32%	68%
1949	36	0	36	36%	1995	70	33%	68%
1950	64	0	64	62%	1928	69	35%	68%
1951	72	5	77	75%	1965	69	36%	67%
1952	73	9	82	80%	1962	68	37%	66%
1953	60	7	67	65%	1945	68	38%	66%
1954	61	1	62	60%	1967	68	40%	66%
1955	38	1	38	37%	1953	67	41%	65%
1956	76	0	76	74%	1966	67	42%	65%
1957	55	8	63	61%	1958	67	43%	65%
1958	67	0	67	65%	1993	67	44%	65%
1959	60	5	64	63%	1996	67	46%	65%
1960	43	1	45	43%	1973	66	47%	64%
1961	45	0	45	44%	2002	65	48%	63%
1962	68	0	68	66%	1923	65	49%	63%
1963	61	9	70	68%	1959	64	51%	63%
1964	62	1	63	61%	1935	64	52%	62%

SAN BERNARDINO VALLEY MWD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (102.6 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (102.6 TAF)
1965	66	3	69	67%	1942	64	53%	62%
1966	59	8	67	65%	1950	64	54%	62%
1967	66	2	68	66%	1922	64	56%	62%
1968	62	8	71	69%	1936	63	57%	62%
1969	83	4	87	85%	1948	63	58%	62%
1970	64	6	70	68%	1940	63	59%	62%
1971	54	7	61	59%	1964	63	60%	61%
1972	56	2	58	57%	1957	63	62%	61%
1973	66	0	66	64%	1981	62	63%	60%
1974	67	8	75	73%	1989	62	64%	60%
1975	63	8	71	69%	1954	62	65%	60%
1976	47	7	55	53%	1971	61	67%	59%
1977	11	1	11	11%	1972	58	68%	57%
1978	72	0	72	71%	1947	57	69%	56%
1979	63	9	72	70%	1994	56	70%	54%
1980	78	6	83	81%	1926	55	72%	54%
1981	54	8	62	60%	1976	55	73%	53%
1982	90	0	90	87%	1939	54	74%	52%
1983	91	9	100	98%	1944	50	75%	48%
1984	72	1	73	71%	1961	45	77%	44%
1985	63	9	72	71%	1960	45	78%	43%
1986	67	6	73	72%	1925	43	79%	42%
1987	25	5	29	29%	1933	43	80%	42%
1988	24	0	24	24%	2003	39	81%	38%
1989	62	0	62	60%	1930	38	83%	37%
1990	17	4	21	20%	1955	38	84%	37%
1991	28	0	28	27%	1931	37	85%	36%
1992	21	0	21	21%	1932	37	86%	36%
1993	67	0	67	65%	1949	36	88%	36%
1994	52	4	56	54%	1987	29	89%	29%
1995	70	0	70	68%	2001	29	90%	29%
1996	66	0	67	65%	1929	28	91%	27%
1997	73	8	82	80%	1991	28	93%	27%
1998	83	8	91	88%	1988	24	94%	24%
1999	63	10	74	72%	1934	22	95%	21%
2000	63	7	70	68%	1992	21	96%	21%
2001	25	5	29	29%	1990	21	98%	20%
2002	65	0	65	63%	1924	19	99%	19%
2003	37	2	39	38%	1977	11	100%	11%
Average	57	3	60	59%		60		59%
Maximum	91	10	100	98%		100		98%
Minimum	11	0	11	11%		11		11%

SAN GABRIEL VALLEY MWD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (28.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (28.8 TAF)
1922	20	0	20	68%	1983	29	0%	100%
1923	17	0	17	60%	1982	28	1%	98%
1924	5	0	5	18%	1998	26	2%	91%
1925	12	0	12	42%	1969	26	4%	90%
1926	16	0	16	56%	1938	26	5%	90%
1927	21	0	21	72%	1980	25	6%	85%
1928	19	0	19	65%	1956	24	7%	84%
1929	7	0	7	23%	1937	24	9%	83%
1930	11	0	11	37%	1997	23	10%	80%
1931	10	0	10	35%	1952	23	11%	80%
1932	10	0	10	36%	1978	23	12%	79%
1933	12	0	12	42%	1951	23	14%	79%
1934	6	0	6	21%	1984	23	15%	78%
1935	20	0	20	70%	1941	22	16%	78%
1936	17	0	17	61%	1943	22	17%	76%
1937	24	0	24	83%	1962	22	19%	75%
1938	26	0	26	90%	1945	21	20%	75%
1939	13	0	13	47%	1974	21	21%	73%
1940	20	0	20	68%	1965	21	22%	73%
1941	22	0	22	78%	1958	21	23%	73%
1942	20	0	20	68%	1996	21	25%	73%
1943	22	0	22	76%	1967	21	26%	72%
1944	12	0	12	41%	1927	21	27%	72%
1945	21	0	21	75%	1995	21	28%	72%
1946	18	0	18	64%	1973	21	30%	72%
1947	16	0	16	55%	1993	21	31%	71%
1948	17	0	17	59%	1986	20	32%	70%
1949	10	0	10	35%	1935	20	33%	70%
1950	20	0	20	68%	1970	20	35%	70%
1951	23	0	23	79%	2002	20	36%	69%
1952	23	0	23	80%	1975	20	37%	69%
1953	17	0	17	58%	1942	20	38%	68%
1954	17	0	17	60%	1999	20	40%	68%
1955	11	0	11	37%	1922	20	41%	68%
1956	24	0	24	84%	1985	20	42%	68%
1957	16	0	16	54%	1940	20	43%	68%
1958	21	0	21	73%	1950	20	44%	68%
1959	17	0	17	59%	1979	19	46%	67%
1960	11	0	11	38%	2000	19	47%	66%
1961	13	0	13	44%	1928	19	48%	65%
1962	22	0	22	75%	1968	19	49%	64%
1963	17	0	17	61%	1946	18	51%	64%
1964	18	0	18	63%	1989	18	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

SAN GABRIEL VALLEY MWD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (28.8 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (28.8 TAF)
1965	21	0	21	73%	1964	18	53%	63%
1966	17	0	17	59%	1971	18	54%	61%
1967	21	0	21	72%	1936	17	56%	61%
1968	19	0	19	64%	1963	17	57%	61%
1969	26	0	26	90%	1954	17	58%	60%
1970	20	0	20	70%	1923	17	59%	60%
1971	18	0	18	61%	1959	17	60%	59%
1972	16	0	16	55%	1966	17	62%	59%
1973	21	0	21	72%	1948	17	63%	59%
1974	21	0	21	73%	1953	17	64%	58%
1975	20	0	20	69%	1926	16	65%	56%
1976	14	0	14	50%	1947	16	67%	55%
1977	1	0	1	3%	1972	16	68%	55%
1978	23	0	23	79%	1957	16	69%	54%
1979	19	0	19	67%	1981	15	70%	53%
1980	25	0	25	85%	1994	15	72%	51%
1981	15	0	15	53%	1976	14	73%	50%
1982	28	0	28	98%	2003	14	74%	48%
1983	29	0	29	100%	1939	13	75%	47%
1984	23	0	23	78%	1961	13	77%	44%
1985	20	0	20	68%	1925	12	78%	42%
1986	20	0	20	70%	1933	12	79%	42%
1987	7	0	7	24%	1944	12	80%	41%
1988	7	0	7	24%	1960	11	81%	38%
1989	18	0	18	64%	1930	11	83%	37%
1990	5	0	5	16%	1955	11	84%	37%
1991	8	0	8	27%	1932	10	85%	36%
1992	6	0	6	21%	1949	10	86%	35%
1993	21	0	21	71%	1931	10	88%	35%
1994	15	0	15	51%	1991	8	89%	27%
1995	21	0	21	72%	1987	7	90%	24%
1996	21	0	21	73%	2001	7	91%	24%
1997	23	0	23	80%	1988	7	93%	24%
1998	26	0	26	91%	1929	7	94%	23%
1999	20	0	20	68%	1934	6	95%	21%
2000	19	0	19	66%	1992	6	96%	21%
2001	7	0	7	24%	1924	5	98%	18%
2002	20	0	20	69%	1990	5	99%	16%
2003	14	0	14	48%	1977	1	100%	3%
Average	17	0	17	59%		17		59%
Maximum	29	0	29	100%		29		100%
Minimum	1	0	1	3%		1		3%

SAN GORGONIO PASS WA: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (17.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (17.3 TAF)
1922	12	0	12	68%	1983	17	0%	100%
1923	10	0	10	60%	1982	17	1%	98%
1924	3	0	3	17%	1998	16	2%	91%
1925	7	0	7	42%	1969	16	4%	90%
1926	10	0	10	56%	1938	16	5%	90%
1927	13	0	13	72%	1980	15	6%	85%
1928	11	0	11	65%	1956	14	7%	84%
1929	4	0	4	23%	1937	14	9%	83%
1930	6	0	6	37%	1997	14	10%	80%
1931	6	0	6	36%	1952	14	11%	80%
1932	6	0	6	36%	1978	14	12%	79%
1933	7	0	7	42%	1951	14	14%	79%
1934	4	0	4	21%	1984	14	15%	78%
1935	12	0	12	70%	1941	13	16%	77%
1936	10	0	10	55%	1943	13	17%	75%
1937	14	0	14	83%	1962	13	19%	75%
1938	16	0	16	90%	1945	13	20%	75%
1939	8	0	8	47%	1974	13	21%	73%
1940	12	0	12	68%	1965	13	22%	73%
1941	13	0	13	77%	1996	13	23%	73%
1942	12	0	12	68%	1958	13	25%	73%
1943	13	0	13	75%	1967	13	26%	72%
1944	7	0	7	41%	1927	13	27%	72%
1945	13	0	13	75%	1995	12	28%	72%
1946	11	0	11	64%	1973	12	30%	72%
1947	10	0	10	55%	1993	12	31%	71%
1948	10	0	10	59%	1935	12	32%	70%
1949	6	0	6	35%	1970	12	33%	70%
1950	12	0	12	68%	1986	12	35%	70%
1951	14	0	14	79%	2002	12	36%	69%
1952	14	0	14	80%	1975	12	37%	69%
1953	9	0	9	53%	1942	12	38%	68%
1954	10	0	10	60%	1999	12	40%	68%
1955	6	0	6	37%	1922	12	41%	68%
1956	14	0	14	84%	1985	12	42%	68%
1957	9	0	9	54%	1940	12	43%	68%
1958	13	0	13	73%	1950	12	44%	68%
1959	10	0	10	59%	1979	12	46%	67%
1960	7	0	7	42%	2000	11	47%	66%
1961	8	0	8	44%	1928	11	48%	65%
1962	13	0	13	75%	1968	11	49%	64%
1963	11	0	11	61%	1946	11	51%	64%
1964	11	0	11	63%	1989	11	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

SAN GORGONIO PASS WA (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (17.3 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (17.3 TAF)
1965	13	0	13	73%	1964	11	53%	63%
1966	10	0	10	59%	1963	11	54%	61%
1967	13	0	13	72%	1954	10	56%	60%
1968	11	0	11	64%	1923	10	57%	60%
1969	16	0	16	90%	1959	10	58%	59%
1970	12	0	12	70%	1966	10	59%	59%
1971	9	0	9	52%	1948	10	60%	59%
1972	9	0	9	55%	1926	10	62%	56%
1973	12	0	12	72%	1936	10	63%	55%
1974	13	0	13	73%	1947	10	64%	55%
1975	12	0	12	69%	1972	9	65%	55%
1976	8	0	8	49%	1957	9	67%	54%
1977	2	0	2	10%	1953	9	68%	53%
1978	14	0	14	79%	1981	9	69%	53%
1979	12	0	12	67%	1971	9	70%	52%
1980	15	0	15	85%	1994	9	72%	51%
1981	9	0	9	53%	1976	8	73%	49%
1982	17	0	17	98%	1939	8	74%	47%
1983	17	0	17	100%	1961	8	75%	44%
1984	14	0	14	78%	1933	7	77%	42%
1985	12	0	12	68%	1925	7	78%	42%
1986	12	0	12	70%	1960	7	79%	42%
1987	4	0	4	24%	1944	7	80%	41%
1988	4	0	4	24%	1930	6	81%	37%
1989	11	0	11	64%	1955	6	83%	37%
1990	3	0	3	16%	1931	6	84%	36%
1991	5	0	5	27%	1932	6	85%	36%
1992	4	0	4	21%	1949	6	86%	35%
1993	12	0	12	71%	2003	6	88%	35%
1994	9	0	9	51%	1991	5	89%	27%
1995	12	0	12	72%	1987	4	90%	24%
1996	13	0	13	73%	2001	4	91%	24%
1997	14	0	14	80%	1988	4	93%	24%
1998	16	0	16	91%	1929	4	94%	23%
1999	12	0	12	68%	1934	4	95%	21%
2000	11	0	11	66%	1992	4	96%	21%
2001	4	0	4	24%	1924	3	98%	17%
2002	12	0	12	69%	1990	3	99%	16%
2003	6	0	6	35%	1977	2	100%	10%
Average	10	0	10	59%		10		59%
Maximum	17	0	17	100%		17		100%
Minimum	2	0	2	10%		2		10%

SAN LUIS OBISPO COUNTY FC&WCD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (25 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (25 TAF)
1922	17	0	17	68%	1938	25	0%	100%
1923	15	0	15	60%	1983	25	1%	100%
1924	4	0	4	17%	1969	25	2%	100%
1925	11	0	11	42%	1982	25	4%	98%
1926	14	0	14	56%	1998	23	5%	91%
1927	18	0	18	72%	1995	22	6%	90%
1928	16	0	16	65%	1980	21	7%	85%
1929	6	0	6	23%	1956	21	9%	84%
1930	9	0	9	37%	1937	21	10%	83%
1931	9	0	9	36%	1958	20	11%	82%
1932	9	0	9	36%	1997	20	12%	80%
1933	11	0	11	42%	1952	20	14%	80%
1934	5	0	5	21%	1978	20	15%	79%
1935	18	0	18	70%	1951	20	16%	79%
1936	16	0	16	66%	1986	20	17%	79%
1937	21	0	21	83%	1984	20	19%	78%
1938	25	0	25	100%	1941	19	20%	77%
1939	12	0	12	47%	1943	19	21%	76%
1940	17	0	17	68%	1962	19	22%	75%
1941	19	0	19	77%	1945	19	23%	75%
1942	17	0	17	68%	1974	18	25%	73%
1943	19	0	19	76%	1965	18	26%	73%
1944	10	0	10	41%	1996	18	27%	73%
1945	19	0	19	75%	1967	18	28%	72%
1946	16	0	16	64%	1927	18	30%	72%
1947	14	0	14	55%	1973	18	31%	72%
1948	15	0	15	59%	1993	18	32%	71%
1949	9	0	9	35%	1935	18	33%	70%
1950	17	0	17	68%	1970	18	35%	70%
1951	20	0	20	79%	2002	17	36%	69%
1952	20	0	20	80%	1975	17	37%	69%
1953	15	0	15	60%	1999	17	38%	68%
1954	15	0	15	60%	1942	17	40%	68%
1955	9	0	9	37%	1922	17	41%	68%
1956	21	0	21	84%	1985	17	42%	68%
1957	13	0	13	54%	1940	17	43%	68%
1958	20	0	20	82%	1950	17	44%	68%
1959	15	0	15	59%	1979	17	46%	67%
1960	11	0	11	42%	2000	16	47%	66%
1961	11	0	11	44%	1936	16	48%	66%
1962	19	0	19	75%	1928	16	49%	65%
1963	15	0	15	61%	1968	16	51%	64%
1964	16	0	16	63%	1946	16	52%	64%

SAN LUIS OBISPO COUNTY FC&WCD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (25 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (25 TAF)
1965	18	0	18	73%	1989	16	53%	64%
1966	15	0	15	59%	1964	16	54%	63%
1967	18	0	18	72%	1971	15	56%	61%
1968	16	0	16	64%	1976	15	57%	61%
1969	25	0	25	100%	1963	15	58%	61%
1970	18	0	18	70%	1923	15	59%	60%
1971	15	0	15	61%	1954	15	60%	60%
1972	14	0	14	55%	1953	15	62%	60%
1973	18	0	18	72%	1959	15	63%	59%
1974	18	0	18	73%	1966	15	64%	59%
1975	17	0	17	69%	1948	15	65%	59%
1976	15	0	15	61%	1926	14	67%	56%
1977	3	0	3	10%	1947	14	68%	55%
1978	20	0	20	79%	1972	14	69%	55%
1979	17	0	17	67%	1957	13	70%	54%
1980	21	0	21	85%	1981	13	72%	53%
1981	13	0	13	53%	1994	13	73%	51%
1982	25	0	25	98%	1939	12	74%	47%
1983	25	0	25	100%	1961	11	75%	44%
1984	20	0	20	78%	1925	11	77%	42%
1985	17	0	17	68%	1960	11	78%	42%
1986	20	0	20	79%	1933	11	79%	42%
1987	6	0	6	24%	2003	10	80%	42%
1988	6	0	6	24%	1944	10	81%	41%
1989	16	0	16	64%	1930	9	83%	37%
1990	4	0	4	16%	1955	9	84%	37%
1991	7	0	7	27%	1931	9	85%	36%
1992	5	0	5	21%	1932	9	86%	36%
1993	18	0	18	71%	1949	9	88%	35%
1994	13	0	13	51%	1991	7	89%	27%
1995	22	0	22	90%	1987	6	90%	24%
1996	18	0	18	73%	2001	6	91%	24%
1997	20	0	20	80%	1988	6	93%	24%
1998	23	0	23	91%	1929	6	94%	23%
1999	17	0	17	68%	1934	5	95%	21%
2000	16	0	16	66%	1992	5	96%	21%
2001	6	0	6	24%	1924	4	98%	17%
2002	17	0	17	69%	1990	4	99%	16%
2003	10	0	10	42%	1977	3	100%	10%
Average	15	0	15	60%		15		60%
Maximum	25	0	25	100%		25		100%
Minimum	3	0	3	10%		3		10%

SANTA BARBARA COUNTY FC&WCD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (45.49 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (45.49 TAF)
1922	31	0	31	68%	1938	45	0%	100%
1923	27	0	27	60%	1938	45	1%	100%
1924	8	0	8	18%	1983	45	2%	100%
1925	19	0	19	42%	1982	45	4%	98%
1926	26	0	26	56%	1998	41	5%	91%
1927	33	0	33	72%	1995	41	6%	90%
1928	30	0	30	65%	1980	39	7%	85%
1929	11	0	11	23%	1956	38	9%	84%
1930	17	0	17	37%	1937	38	10%	83%
1931	17	0	17	36%	1958	37	11%	82%
1932	16	0	16	36%	1997	37	12%	80%
1933	19	0	19	42%	1952	36	14%	80%
1934	10	0	10	21%	1978	36	15%	79%
1935	32	0	32	70%	1951	36	16%	79%
1936	30	0	30	66%	1986	36	17%	79%
1937	38	0	38	83%	1984	36	19%	78%
1938	45	0	45	100%	1941	35	20%	78%
1939	21	0	21	47%	1943	34	21%	75%
1940	31	0	31	68%	1945	34	22%	75%
1941	35	0	35	78%	1962	34	23%	75%
1942	31	0	31	68%	1974	33	25%	73%
1943	34	0	34	75%	1965	33	26%	73%
1944	19	0	19	41%	1996	33	27%	73%
1945	34	0	34	75%	1967	33	28%	72%
1946	29	0	29	64%	1927	33	30%	72%
1947	25	0	25	55%	1973	33	31%	72%
1948	27	0	27	59%	1993	32	32%	71%
1949	16	0	16	35%	1935	32	33%	70%
1950	31	0	31	68%	1970	32	35%	70%
1951	36	0	36	79%	2002	31	36%	69%
1952	36	0	36	80%	1975	31	37%	69%
1953	27	0	27	59%	1942	31	38%	68%
1954	27	0	27	60%	1999	31	40%	68%
1955	17	0	17	37%	1922	31	41%	68%
1956	38	0	38	84%	1985	31	42%	68%
1957	25	0	25	54%	1940	31	43%	68%
1958	37	0	37	82%	1950	31	44%	68%
1959	27	0	27	59%	1979	31	46%	67%
1960	19	0	19	42%	1936	30	47%	66%
1961	20	0	20	44%	2000	30	48%	66%
1962	34	0	34	75%	1928	30	49%	65%
1963	28	0	28	61%	1968	29	51%	64%
1964	29	0	29	63%	1946	29	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

SANTA BARBARA COUNTY FC&WCD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (45.49 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (45.49 TAF)
1965	33	0	33	73%	1989	29	53%	64%
1966	27	0	27	59%	1964	29	54%	63%
1967	33	0	33	72%	1971	28	56%	61%
1968	29	0	29	64%	1976	28	57%	61%
1969	45	0	45	100%	1963	28	58%	61%
1970	32	0	32	70%	1923	27	59%	60%
1971	28	0	28	61%	1954	27	60%	60%
1972	25	0	25	55%	1953	27	62%	59%
1973	33	0	33	72%	1959	27	63%	59%
1974	33	0	33	73%	1966	27	64%	59%
1975	31	0	31	69%	1948	27	65%	59%
1976	28	0	28	61%	1926	26	67%	56%
1977	5	0	5	11%	1947	25	68%	55%
1978	36	0	36	79%	1972	25	69%	55%
1979	31	0	31	67%	1957	25	70%	54%
1980	39	0	39	85%	1981	24	72%	53%
1981	24	0	24	53%	1994	23	73%	51%
1982	45	0	45	98%	1939	21	74%	47%
1983	45	0	45	100%	1961	20	75%	44%
1984	36	0	36	78%	1925	19	77%	42%
1985	31	0	31	68%	1960	19	78%	42%
1986	36	0	36	79%	1933	19	79%	42%
1987	11	0	11	24%	1944	19	80%	41%
1988	11	0	11	24%	2003	18	81%	40%
1989	29	0	29	64%	1930	17	83%	37%
1990	7	0	7	16%	1955	17	84%	37%
1991	12	0	12	27%	1931	17	85%	36%
1992	9	0	9	21%	1932	16	86%	36%
1993	32	0	32	71%	1949	16	88%	35%
1994	23	0	23	51%	1991	12	89%	27%
1995	41	0	41	90%	1987	11	90%	24%
1996	33	0	33	73%	2001	11	91%	24%
1997	37	0	37	80%	1988	11	93%	24%
1998	41	0	41	91%	1929	11	94%	23%
1999	31	0	31	68%	1934	10	95%	21%
2000	30	0	30	66%	1992	9	96%	21%
2001	11	0	11	24%	1924	8	98%	18%
2002	31	0	31	69%	1990	7	99%	16%
2003	18	0	18	40%	1977	5	100%	11%
Average	27	0	27	60%		27		60%
Maximum	45	0	45	100%		45		100%
Minimum	5	0	5	11%		5		11%

SANTA CLARA VALLEY WD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (100 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (100 TAF)
1922	68	0	68	68%	1983	99	0%	99%
1923	60	0	60	60%	1982	91	1%	91%
1924	18	0	18	18%	1969	90	2%	90%
1925	42	0	42	42%	1998	89	4%	89%
1926	56	0	56	56%	1980	85	5%	85%
1927	72	0	72	72%	1995	84	6%	84%
1928	65	0	65	65%	1956	84	7%	84%
1929	23	0	23	23%	1937	83	9%	83%
1930	37	0	37	37%	1938	83	10%	83%
1931	36	0	36	36%	1997	80	11%	80%
1932	36	0	36	36%	1952	80	12%	80%
1933	42	0	42	42%	1978	79	14%	79%
1934	21	0	21	21%	1951	79	15%	79%
1935	70	0	70	70%	1986	79	16%	79%
1936	66	0	66	66%	1984	78	17%	78%
1937	83	0	83	83%	1941	78	19%	78%
1938	83	0	83	83%	1943	75	20%	75%
1939	47	0	47	47%	1962	75	21%	75%
1940	68	0	68	68%	1945	75	22%	75%
1941	78	0	78	78%	1958	74	23%	74%
1942	68	0	68	68%	1974	73	25%	73%
1943	75	0	75	75%	1965	73	26%	73%
1944	41	0	41	41%	1996	73	27%	73%
1945	75	0	75	75%	1967	72	28%	72%
1946	64	0	64	64%	1927	72	30%	72%
1947	55	0	55	55%	1973	72	31%	72%
1948	59	0	59	59%	1993	71	32%	71%
1949	35	0	35	35%	1935	70	33%	70%
1950	68	0	68	68%	1970	70	35%	70%
1951	79	0	79	79%	2002	69	36%	69%
1952	80	0	80	80%	1975	69	37%	69%
1953	60	0	60	60%	1999	68	38%	68%
1954	60	0	60	60%	1942	68	40%	68%
1955	37	0	37	37%	1922	68	41%	68%
1956	84	0	84	84%	1985	68	42%	68%
1957	54	0	54	54%	1940	68	43%	68%
1958	74	0	74	74%	1950	68	44%	68%
1959	59	0	59	59%	1979	67	46%	67%
1960	42	0	42	42%	1936	66	47%	66%
1961	44	0	44	44%	2000	66	48%	66%
1962	75	0	75	75%	1928	65	49%	65%
1963	61	0	61	61%	1968	64	51%	64%
1964	63	0	63	63%	1946	64	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

SANTA CLARA VALLEY WD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (100 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (100 TAF)
1965	73	0	73	73%	1989	64	53%	64%
1966	59	0	59	59%	1964	63	54%	63%
1967	72	0	72	72%	1971	61	56%	61%
1968	64	0	64	64%	1976	61	57%	61%
1969	90	0	90	90%	1963	61	58%	61%
1970	70	0	70	70%	1923	60	59%	60%
1971	61	0	61	61%	1954	60	60%	60%
1972	55	0	55	55%	1953	60	62%	60%
1973	72	0	72	72%	1959	59	63%	59%
1974	73	0	73	73%	1966	59	64%	59%
1975	69	0	69	69%	1948	59	65%	59%
1976	61	0	61	61%	1926	56	67%	56%
1977	10	0	10	10%	1947	55	68%	55%
1978	79	0	79	79%	1972	55	69%	55%
1979	67	0	67	67%	1957	54	70%	54%
1980	85	0	85	85%	1981	53	72%	53%
1981	53	0	53	53%	1994	51	73%	51%
1982	91	0	91	91%	1939	47	74%	47%
1983	99	0	99	99%	1961	44	75%	44%
1984	78	0	78	78%	1925	42	77%	42%
1985	68	0	68	68%	1960	42	78%	42%
1986	79	0	79	79%	1933	42	79%	42%
1987	24	0	24	24%	1944	41	80%	41%
1988	24	0	24	24%	2003	39	81%	39%
1989	64	0	64	64%	1930	37	83%	37%
1990	16	0	16	16%	1955	37	84%	37%
1991	27	0	27	27%	1931	36	85%	36%
1992	21	0	21	21%	1932	36	86%	36%
1993	71	0	71	71%	1949	35	88%	35%
1994	51	0	51	51%	1991	27	89%	27%
1995	84	0	84	84%	1987	24	90%	24%
1996	73	0	73	73%	2001	24	91%	24%
1997	80	0	80	80%	1988	24	93%	24%
1998	89	0	89	89%	1929	23	94%	23%
1999	68	0	68	68%	1934	21	95%	21%
2000	66	0	66	66%	1992	21	96%	21%
2001	24	0	24	24%	1924	18	98%	18%
2002	69	0	69	69%	1990	16	99%	16%
2003	39	0	39	39%	1977	10	100%	10%
Average	60	0	60	60%		60		60%
Maximum	99	0	99	99%		99		99%
Minimum	10	0	10	10%		10		10%

SOLANO COUNTY WA: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (47.51 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (47.51 TAF)
1922	32	0	32	68%	1983	48	0%	100%
1923	28	0	28	60%	1938	47	1%	99%
1924	8	0	8	17%	1969	47	2%	99%
1925	20	0	20	42%	1982	47	4%	98%
1926	20	0	20	41%	1998	43	5%	91%
1927	34	0	34	72%	1995	43	6%	90%
1928	30	0	30	63%	1980	40	7%	85%
1929	10	0	10	22%	1956	40	9%	84%
1930	18	0	18	37%	1937	39	10%	83%
1931	11	0	11	23%	1958	39	11%	82%
1932	17	0	17	36%	1997	38	12%	80%
1933	13	0	13	28%	1952	38	14%	80%
1934	9	0	9	18%	1978	38	15%	79%
1935	33	0	33	70%	1951	37	16%	79%
1936	31	0	31	66%	1986	37	17%	79%
1937	39	0	39	83%	1984	37	19%	78%
1938	47	0	47	99%	1941	37	20%	78%
1939	14	0	14	30%	1943	36	21%	75%
1940	32	0	32	68%	1945	35	22%	75%
1941	37	0	37	78%	1974	35	23%	73%
1942	33	0	33	68%	1962	35	25%	73%
1943	36	0	36	75%	1965	35	26%	73%
1944	15	0	15	31%	1996	35	27%	73%
1945	35	0	35	75%	1967	34	28%	72%
1946	30	0	30	64%	1927	34	30%	72%
1947	22	0	22	47%	1973	34	31%	72%
1948	25	0	25	53%	1993	34	32%	71%
1949	16	0	16	33%	1935	33	33%	70%
1950	32	0	32	68%	1970	33	35%	70%
1951	37	0	37	79%	2002	33	36%	69%
1952	38	0	38	80%	1975	33	37%	69%
1953	28	0	28	59%	1999	33	38%	68%
1954	23	0	23	48%	1942	33	40%	68%
1955	17	0	17	37%	1922	32	41%	68%
1956	40	0	40	84%	1940	32	42%	68%
1957	26	0	26	54%	1950	32	43%	68%
1958	39	0	39	82%	1979	32	44%	67%
1959	21	0	21	45%	1936	31	46%	66%
1960	17	0	17	36%	2000	31	47%	66%
1961	19	0	19	39%	1968	31	48%	64%
1962	35	0	35	73%	1946	30	49%	64%
1963	29	0	29	61%	1985	30	51%	64%
1964	30	0	30	63%	1928	30	52%	63%

Technical Addendum to the SWP Delivery Reliability Report 2011

SOLANO COUNTY WA (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (47.51 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (47.51 TAF)
1965	35	0	35	73%	1964	30	53%	63%
1966	28	0	28	59%	1971	29	54%	61%
1967	34	0	34	72%	1976	29	56%	61%
1968	31	0	31	64%	1963	29	57%	61%
1969	47	0	47	99%	1923	28	58%	60%
1970	33	0	33	70%	1953	28	59%	59%
1971	29	0	29	61%	1966	28	60%	59%
1972	26	0	26	55%	1972	26	62%	55%
1973	34	0	34	72%	1957	26	63%	54%
1974	35	0	35	73%	1948	25	64%	53%
1975	33	0	33	69%	1981	25	65%	52%
1976	29	0	29	61%	1989	24	67%	51%
1977	5	0	5	10%	1954	23	68%	48%
1978	38	0	38	79%	1947	22	69%	47%
1979	32	0	32	67%	2003	22	70%	46%
1980	40	0	40	85%	1959	21	72%	45%
1981	25	0	25	52%	1925	20	73%	42%
1982	47	0	47	98%	1926	20	74%	41%
1983	48	0	48	100%	1961	19	75%	39%
1984	37	0	37	78%	1930	18	77%	37%
1985	30	0	30	64%	1955	17	78%	37%
1986	37	0	37	79%	1960	17	79%	36%
1987	12	0	12	24%	1932	17	80%	36%
1988	11	0	11	24%	1949	16	81%	33%
1989	24	0	24	51%	1994	15	83%	31%
1990	8	0	8	16%	1944	15	84%	31%
1991	12	0	12	26%	1939	14	85%	30%
1992	8	0	8	18%	1933	13	86%	28%
1993	34	0	34	71%	1991	12	88%	26%
1994	15	0	15	31%	1987	12	89%	24%
1995	43	0	43	90%	2001	11	90%	24%
1996	35	0	35	73%	1988	11	91%	24%
1997	38	0	38	80%	1931	11	93%	23%
1998	43	0	43	91%	1929	10	94%	22%
1999	33	0	33	68%	1934	9	95%	18%
2000	31	0	31	66%	1992	8	96%	18%
2001	11	0	11	24%	1924	8	98%	17%
2002	33	0	33	69%	1990	8	99%	16%
2003	22	0	22	46%	1977	5	100%	10%
Average	28	0	28	58%		28		58%
Maximum	48	0	48	100%		48		100%
Minimum	5	0	5	10%		5		10%

TULARE LAKE BASIN WSD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (88.92 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (88.92 TAF)
1922	61	0	61	68%	1969	89	0%	100%
1923	53	0	53	60%	1938	89	1%	100%
1924	16	0	16	17%	1938	89	2%	100%
1925	38	0	38	42%	1982	87	4%	98%
1926	50	0	50	56%	1998	81	5%	91%
1927	64	0	64	72%	1995	80	6%	90%
1928	58	0	58	65%	1980	76	7%	85%
1929	21	0	21	23%	1956	74	9%	84%
1930	33	0	33	37%	1937	74	10%	83%
1931	32	0	32	36%	1958	73	11%	82%
1932	32	0	32	36%	1997	71	12%	80%
1933	38	0	38	42%	1952	71	14%	80%
1934	19	0	19	21%	1978	71	15%	79%
1935	62	0	62	70%	1951	70	16%	79%
1936	59	0	59	66%	1986	70	17%	79%
1937	74	0	74	83%	1984	70	19%	78%
1938	89	0	89	100%	1941	69	20%	78%
1939	41	0	41	47%	1943	67	21%	75%
1940	60	0	60	68%	1945	66	22%	75%
1941	69	0	69	78%	1962	66	23%	75%
1942	61	0	61	68%	1974	65	25%	73%
1943	67	0	67	75%	1965	65	26%	73%
1944	37	0	37	41%	1996	65	27%	73%
1945	66	0	66	75%	1967	64	28%	72%
1946	57	0	57	64%	1927	64	30%	72%
1947	49	0	49	55%	1973	64	31%	72%
1948	52	0	52	59%	1993	63	32%	71%
1949	32	0	32	35%	1935	62	33%	70%
1950	60	0	60	68%	1970	62	35%	70%
1951	70	0	70	79%	2002	61	36%	69%
1952	71	0	71	80%	1975	61	37%	69%
1953	53	0	53	60%	1999	61	38%	68%
1954	53	0	53	60%	1942	61	40%	68%
1955	33	0	33	37%	1922	61	41%	68%
1956	74	0	74	84%	1985	61	42%	68%
1957	48	0	48	54%	1940	60	43%	68%
1958	73	0	73	82%	1950	60	44%	68%
1959	53	0	53	59%	1979	60	46%	67%
1960	38	0	38	42%	1936	59	47%	66%
1961	39	0	39	44%	2000	59	48%	66%
1962	66	0	66	75%	1928	58	49%	65%
1963	54	0	54	61%	1968	57	51%	64%
1964	56	0	56	63%	1946	57	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

TULARE LAKE BASIN WSD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (88.92 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (88.92 TAF)
1965	65	0	65	73%	1989	57	53%	64%
1966	52	0	52	59%	1964	56	54%	63%
1967	64	0	64	72%	1971	54	56%	61%
1968	57	0	57	64%	1976	54	57%	61%
1969	89	0	89	100%	1963	54	58%	61%
1970	62	0	62	70%	1954	53	59%	60%
1971	54	0	54	61%	1923	53	60%	60%
1972	49	0	49	55%	1953	53	62%	60%
1973	64	0	64	72%	1959	53	63%	59%
1974	65	0	65	73%	1966	52	64%	59%
1975	61	0	61	69%	1948	52	65%	59%
1976	54	0	54	61%	1926	50	67%	56%
1977	7	0	7	8%	1947	49	68%	55%
1978	71	0	71	79%	1972	49	69%	55%
1979	60	0	60	67%	1957	48	70%	54%
1980	76	0	76	85%	1981	47	72%	53%
1981	47	0	47	53%	1994	45	73%	51%
1982	87	0	87	98%	1939	41	74%	47%
1983	89	0	89	100%	1961	39	75%	44%
1984	70	0	70	78%	1925	38	77%	42%
1985	61	0	61	68%	1960	38	78%	42%
1986	70	0	70	79%	1933	38	79%	42%
1987	22	0	22	24%	2003	37	80%	42%
1988	21	0	21	24%	1944	37	81%	41%
1989	57	0	57	64%	1930	33	83%	37%
1990	15	0	15	16%	1955	33	84%	37%
1991	24	0	24	27%	1931	32	85%	36%
1992	18	0	18	21%	1932	32	86%	36%
1993	63	0	63	71%	1949	32	88%	35%
1994	45	0	45	51%	1991	24	89%	27%
1995	80	0	80	90%	1987	22	90%	24%
1996	65	0	65	73%	2001	21	91%	24%
1997	71	0	71	80%	1988	21	93%	24%
1998	81	0	81	91%	1929	21	94%	23%
1999	61	0	61	68%	1934	19	95%	21%
2000	59	0	59	66%	1992	18	96%	21%
2001	21	0	21	24%	1924	16	98%	17%
2002	61	0	61	69%	1990	15	99%	16%
2003	37	0	37	42%	1977	7	100%	8%
Average	54	0	54	60%		54		60%
Maximum	89	0	89	100%		89		100%
Minimum	7	0	7	8%		7		8%

VENTURA COUNTY WPD: Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (20 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (20 TAF)
1922	14	0	14	68%	1938	20	0%	100%
1923	12	0	12	60%	1983	20	1%	100%
1924	3	0	3	17%	1969	20	2%	100%
1925	8	0	8	42%	1982	20	4%	98%
1926	11	0	11	56%	1998	18	5%	90%
1927	14	0	14	72%	1995	18	6%	90%
1928	13	0	13	65%	1980	17	7%	85%
1929	5	0	5	23%	1956	17	9%	83%
1930	7	0	7	37%	1937	17	10%	83%
1931	7	0	7	36%	1958	16	11%	82%
1932	7	0	7	36%	1997	16	12%	80%
1933	8	0	8	42%	1952	16	14%	80%
1934	4	0	4	21%	1978	16	15%	79%
1935	14	0	14	70%	1951	16	16%	79%
1936	13	0	13	66%	1986	16	17%	78%
1937	17	0	17	83%	1984	16	19%	78%
1938	20	0	20	100%	1941	16	20%	78%
1939	9	0	9	47%	1943	15	21%	75%
1940	14	0	14	68%	1945	15	22%	75%
1941	16	0	16	78%	1962	15	23%	75%
1942	14	0	14	68%	1974	15	25%	73%
1943	15	0	15	75%	1965	15	26%	73%
1944	8	0	8	41%	1996	15	27%	73%
1945	15	0	15	75%	1967	14	28%	72%
1946	13	0	13	64%	1927	14	30%	72%
1947	11	0	11	55%	1973	14	31%	72%
1948	12	0	12	59%	1993	14	32%	71%
1949	7	0	7	36%	1935	14	33%	70%
1950	14	0	14	68%	1970	14	35%	70%
1951	16	0	16	79%	1975	14	36%	69%
1952	16	0	16	80%	2002	14	37%	69%
1953	12	0	12	59%	1999	14	38%	68%
1954	12	0	12	60%	1942	14	40%	68%
1955	7	0	7	37%	1922	14	41%	68%
1956	17	0	17	83%	1985	14	42%	68%
1957	11	0	11	54%	1940	14	43%	68%
1958	16	0	16	82%	1950	14	44%	68%
1959	12	0	12	59%	1979	13	46%	67%
1960	8	0	8	42%	1936	13	47%	66%
1961	9	0	9	44%	2000	13	48%	66%
1962	15	0	15	75%	1928	13	49%	65%
1963	12	0	12	61%	1968	13	51%	64%
1964	13	0	13	63%	1946	13	52%	64%

Technical Addendum to the SWP Delivery Reliability Report 2011

VENTURA COUNTY WPD (cont'd): Future Conditions

SWP Table A Deliveries for 2011 Study					Probability Curve			
Year	Delivery w/o Article 56 Carryover (TAF)	Article 56 Carryover (TAF)	Total Table A Delivery (TAF)	Percent of Maximum Table A (20 TAF)	Year	SWP Total Table A Delivery (TAF)	Exceedence Frequency (%)	Percent of Maximum Table A (20 TAF)
1965	15	0	15	73%	1989	13	53%	64%
1966	12	0	12	59%	1964	13	54%	63%
1967	14	0	14	72%	1976	12	56%	61%
1968	13	0	13	64%	1963	12	57%	61%
1969	20	0	20	100%	1954	12	58%	60%
1970	14	0	14	70%	1923	12	59%	60%
1971	11	0	11	56%	1953	12	60%	59%
1972	11	0	11	55%	1959	12	62%	59%
1973	14	0	14	72%	1966	12	63%	59%
1974	15	0	15	73%	1948	12	64%	59%
1975	14	0	14	69%	1971	11	65%	56%
1976	12	0	12	61%	1926	11	67%	56%
1977	2	0	2	9%	1947	11	68%	55%
1978	16	0	16	79%	1972	11	69%	55%
1979	13	0	13	67%	1957	11	70%	54%
1980	17	0	17	85%	1981	10	72%	52%
1981	10	0	10	52%	1994	10	73%	51%
1982	20	0	20	98%	1939	9	74%	47%
1983	20	0	20	100%	1961	9	75%	44%
1984	16	0	16	78%	1933	8	77%	42%
1985	14	0	14	68%	1925	8	78%	42%
1986	16	0	16	78%	1960	8	79%	42%
1987	5	0	5	24%	1944	8	80%	41%
1988	5	0	5	24%	1930	7	81%	37%
1989	13	0	13	64%	1955	7	83%	37%
1990	3	0	3	16%	1931	7	84%	36%
1991	5	0	5	27%	1932	7	85%	36%
1992	4	0	4	21%	1949	7	86%	36%
1993	14	0	14	71%	1991	5	88%	27%
1994	10	0	10	51%	2003	5	89%	24%
1995	18	0	18	90%	1987	5	90%	24%
1996	15	0	15	73%	2001	5	91%	24%
1997	16	0	16	80%	1988	5	93%	24%
1998	18	0	18	90%	1929	5	94%	23%
1999	14	0	14	68%	1934	4	95%	21%
2000	13	0	13	66%	1992	4	96%	21%
2001	5	0	5	24%	1924	3	98%	17%
2002	14	0	14	69%	1990	3	99%	16%
2003	5	0	5	24%	1977	2	100%	9%
Average	12	0	12	60%		12		60%
Maximum	20	0	20	100%		20		100%
Minimum	2	0	2	9%		2		9%