

Westlands Water District Annual Water Users' Workshop



March 17, 2015



Outline

- **Introductions, Opening Comments and Matters of Interest**
 - **Water Supply Outlook for 2015-2016 CVP Allocation, Rescheduling & Transfers**
 - **2015-2016 Adopted Budget, Water Rate, Charge & Assessments**
 - **Groundwater Conditions**
 - **Sustainable Groundwater Management Act**
 - **Long Term Irrigated Lands Regulatory Program**
 - **Questions & Answers**
- 



Introductions, Opening Comments and Matters of Interest



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**Water Supply Outlook
2015 - 2016 CVP Allocation,
Rescheduling & Transfers**



Northern Sierra Precipitation

8 – Station Index

2014 - 2015

- **November** **62% of normal**
- **December** **181% of normal**
- **January** **3% of normal**
- **February** **95% of normal**
- **March** **4% of normal**

- **Water Year to date** **83% of normal**
(Since Oct.)
- **Total Water Year** **62% of normal**

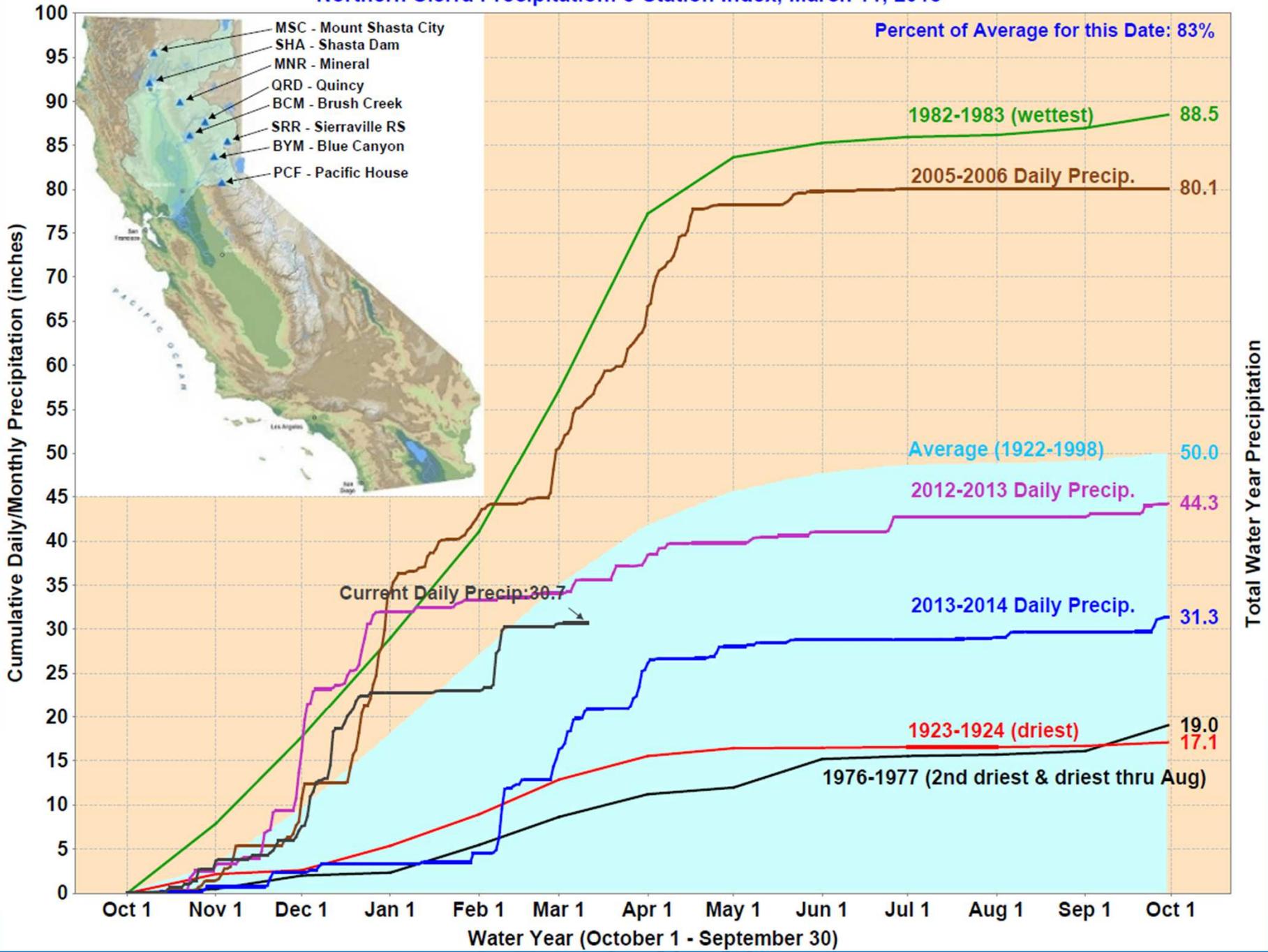
San Joaquin Precipitation 5 – Station Index

2014 -2015

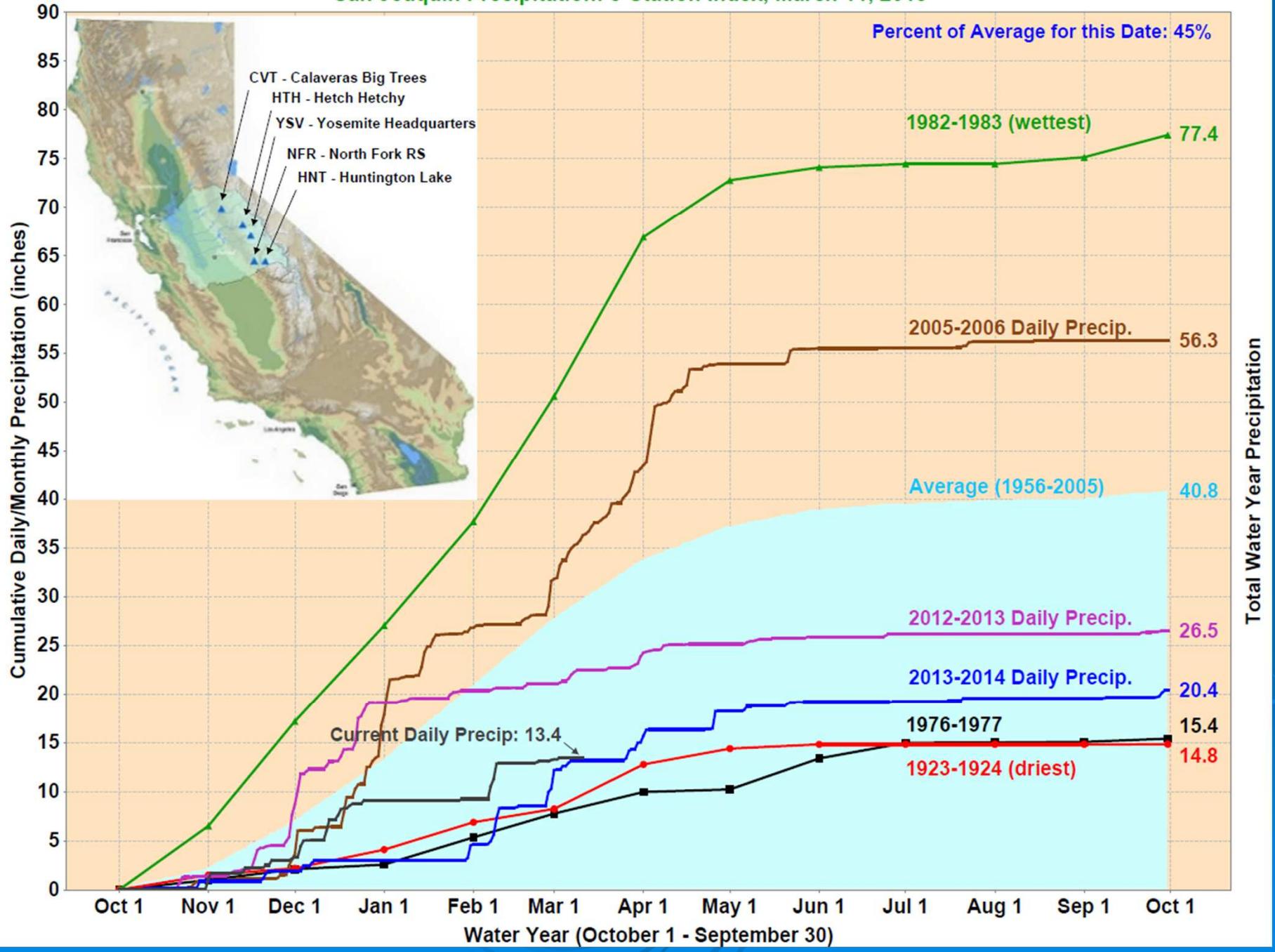
- **November** **66% of normal**
- **December** **95% of normal**
- **January** **3% of normal**
- **February** **58% of normal**
- **March** **3% of normal**

- **Water Year to date** **45% of normal**
(since Oct.)
- **Total Water Year** **33% of normal**

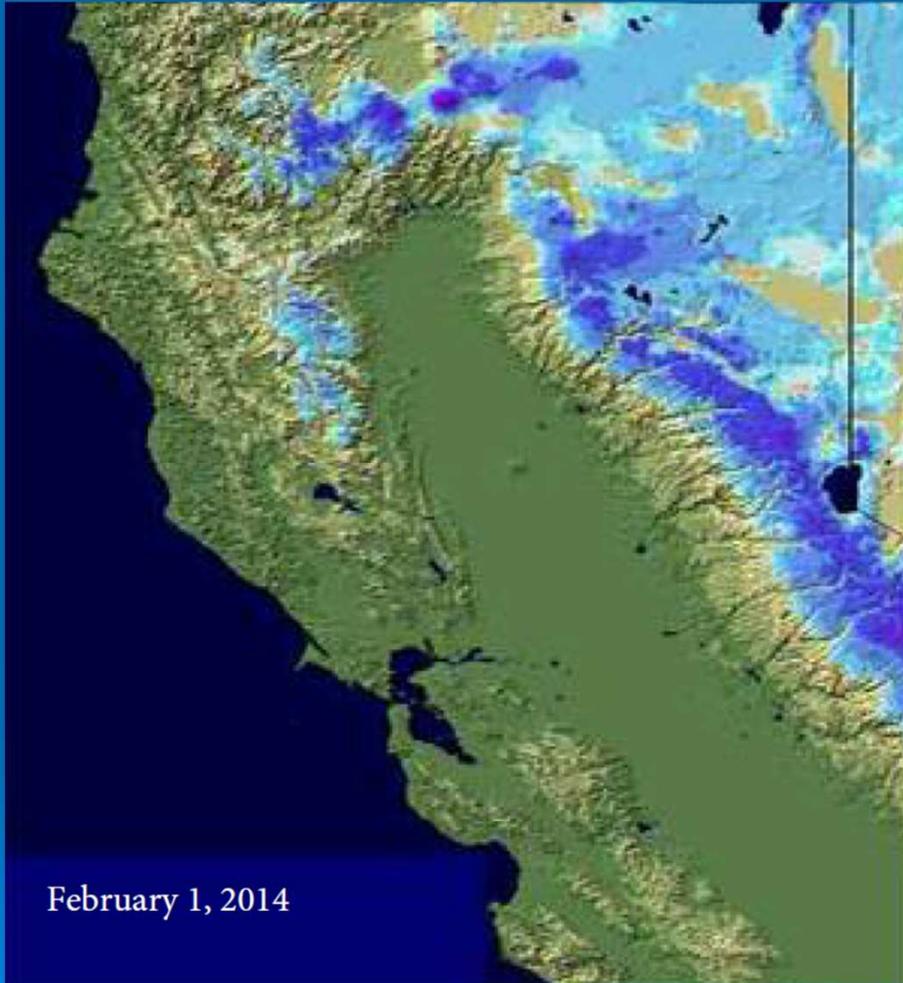
Northern Sierra Precipitation: 8-Station Index, March 11, 2015



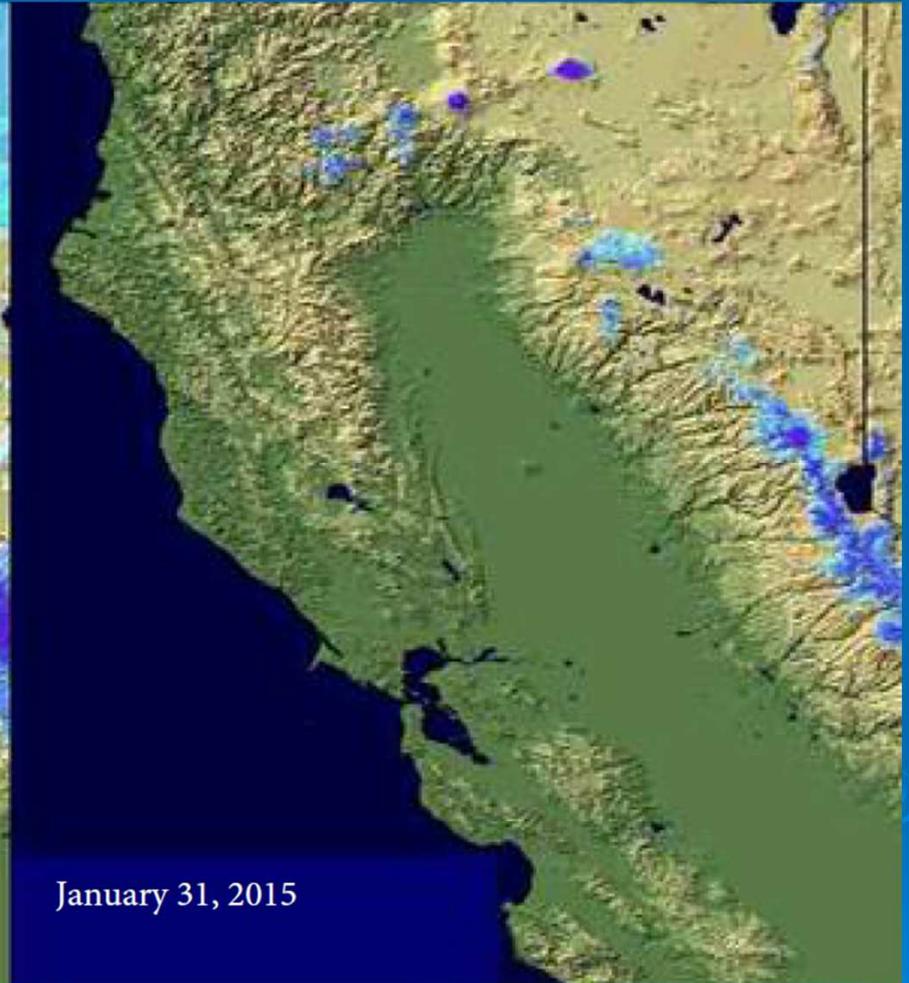
San Joaquin Precipitation: 5-Station Index, March 11, 2015



January Snowpack Comparison 2014 to 2015



February 1, 2014



January 31, 2015

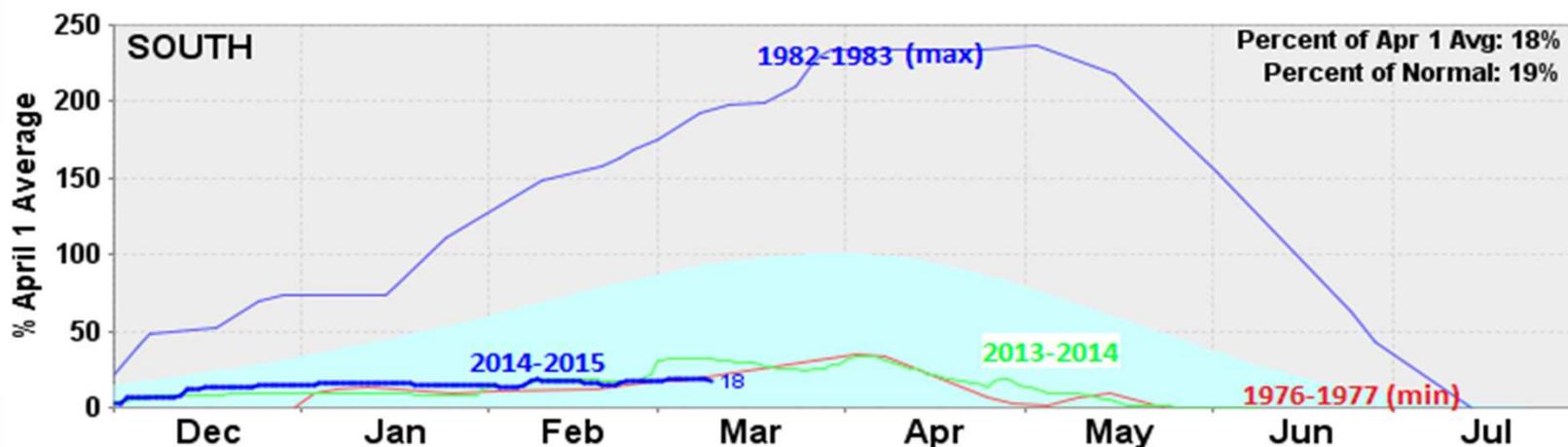
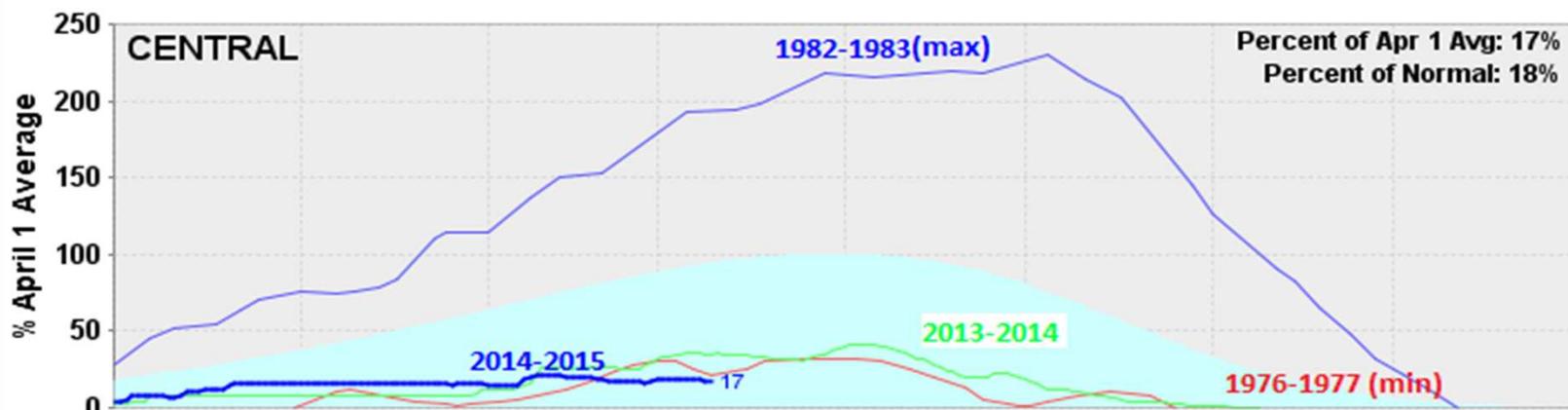
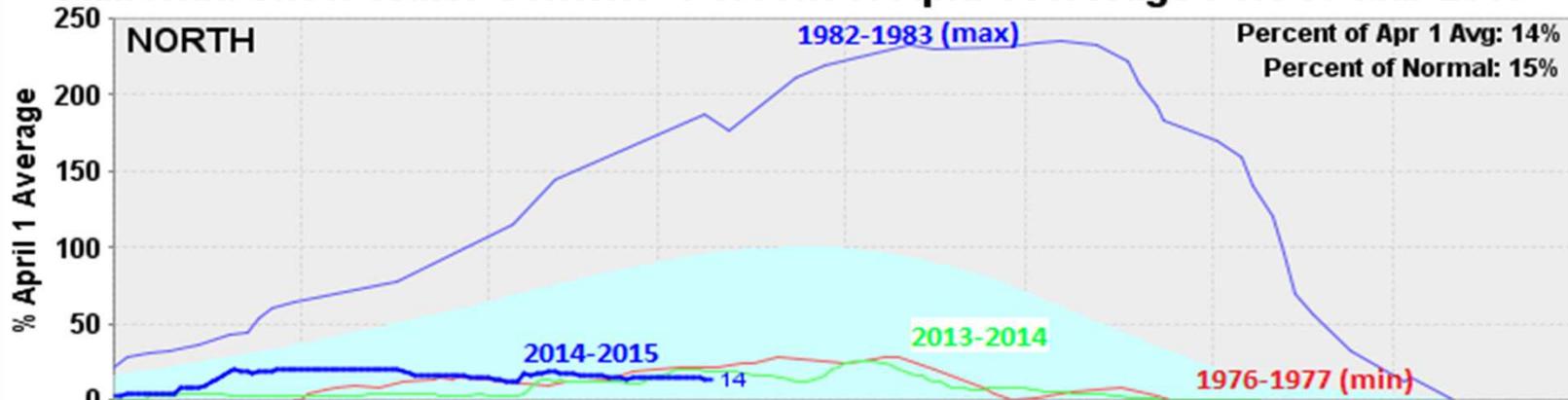
2014 NOTE: The 2014 hydrologic water year, which ended September 30, 2014, was classified as Critically Dry. The 2013 water year was classified as Dry.

2015 NOTE: As of Jan 31, the published water allocation relative to contract amounts for the CVP is 0% of 9.5 maf (or 3.2 maf of water is exported south of the Delta) & State Water Project (SWP) is 20% of 4.2 maf.

Sierra Snow Pack (Water Content % of April 1 Avg)

- **Northern Sierra - 14% of Normal**
- **Central Sierra - 17% of Normal**
- **Southern Sierra - 18% of Normal**

California Snow Water Content - Percent of April 1 Average For: 10-Mar-2015

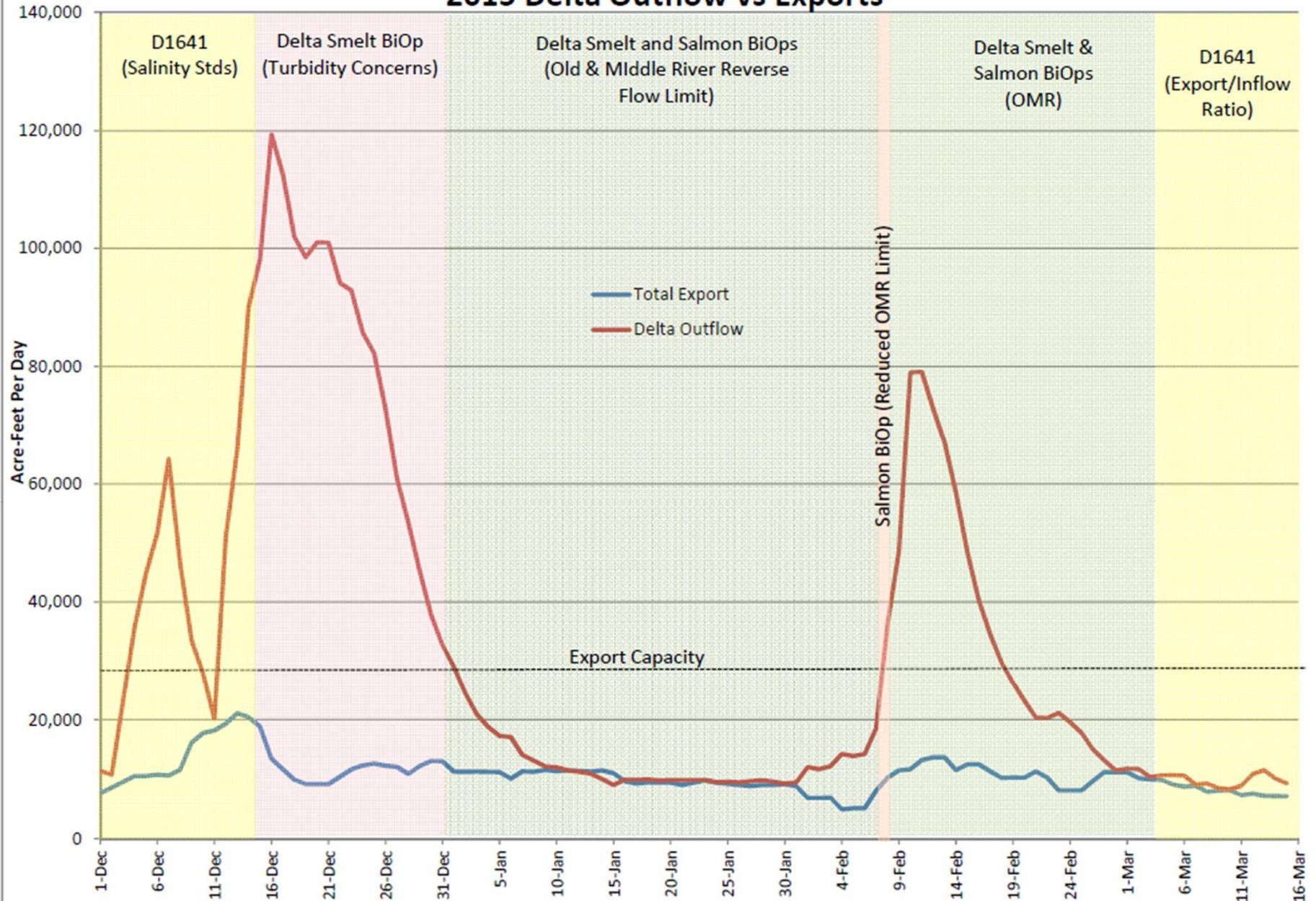


Reservoir Storage

(thousands of AF)

Reservoir	15 Yr. Avg. (TAF)	WY 2014 (TAF)	WY 2015 (TAF)	% Ave.
Trinity	1,714	1,285	1,169	68
Shasta	3,410	2,049	2,657	78
Oroville (SWP)	2,274	1,594	1,775	78
Folsom	571	397	575	101
New Melones	1,535	1,069	599	39
Fed. San Luis	791	435	401	51
Millerton	338	170	202	60
Total North CVP	8,020	5,235	5,401	67

2015 Delta Outflow vs Exports



2015 - 16 Initial Water Supply Allocation

Mid-Pacific Region Water Year 2015 Initial Water Supply Allocation February 27, 2015

		South of Delta (percentages of contracted water allocated)				North of Delta (percentages of contracted water allocated)			
Water Year Type and Percentage of Average runoff		Ag	M&I	R	WR	Ag	M&I	R	WR
Dry Forecast (90%)	Critical 33% of Average	0	25*	75**	75**	0	25*	75**	75**
5 Yr Average Allocation		28	59	88	88	55	75	90	90

*Health and Safety needs or at least 25% of their historical use, whichever is greater.

**Maybe reduced if dry conditions persist.

<http://www.usbr.gov/mp/PA/water>

2014-2015 End of Year Totals (acre-feet)

CVP Contract (0%)	0
CVP M&I Shortage Allocation	2,417
Rescheduled (2013-14)	180,946
Transfers (Water Users)	99,839
Supplemental Water	101,302
Groundwater Canal Integration Program (CIP)	17,376
District Pumped GW Credit (DIP)	<u>2,422</u>

Surface Supply Sub Total = 404,302

Use Total – 204,467

***Rescheduled Water= 199,835**

Non – GWMP Groundwater	437,700
Groundwater Management Program (GWMP)	<u>217,316</u>
Total District Groundwater Pumping	= 655,016

***As of February 28, 2015**

2015-2016 Water Supply Forecast (acre-feet)

CVP Contract (0%)	0
CVP M&I Shortage Allocation	3,541
2013 CVP Rescheduled Water	84,790
Warren Act Stored Water	115,045
Transfers (Water Users)	43,000
Supplemental Water	100,000
District Pumped GW Credit (DIP)	2,000
Groundwater CIP	<u>21,500</u>
	Total Supply = 369,876
	Less Rescheduled (16-17) = <u>-140,000</u>
	Total Supply= 229,876

Non-GWMP Groundwater	437,000
Groundwater Management Program	<u>218,000</u>
Total District Groundwater Pumping	= 655,000

Rescheduled Water Supplies

- **84,790 AF of the 180,946 AF from the District's 2013-14 CVP allocation is currently stored in SLR**
- **Warren Act stored water in the SLR totals 115,045 AF**
- **Total 2014-15 Rescheduled Supply 199,835 AF**
- **Rescheduled water is available throughout the end of 2015-2016 water year**
 - **At this time, no anticipated restrictions**

2015 – 16

Supplemental Water Supply

- **Applications are due March 31**
- **113,304 AF requested to date**
- **Anticipated Price: \$900/AF - \$1,200/AF delivered**
- **Advance payment requirement**
 - **Delinquency may result in water not being made available**
- **Submit an application for all entities**

2015-2016 Canal Integrated Program (CIP)

- **Up to 30 TAF projected CIP pumping (May-September)**
 - **A 5 year Warren Act contract is in progress for CIP deliveries on the CVP side of the SLC**
 - **Wells must meet water quality standards to participate in the program**
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Outline

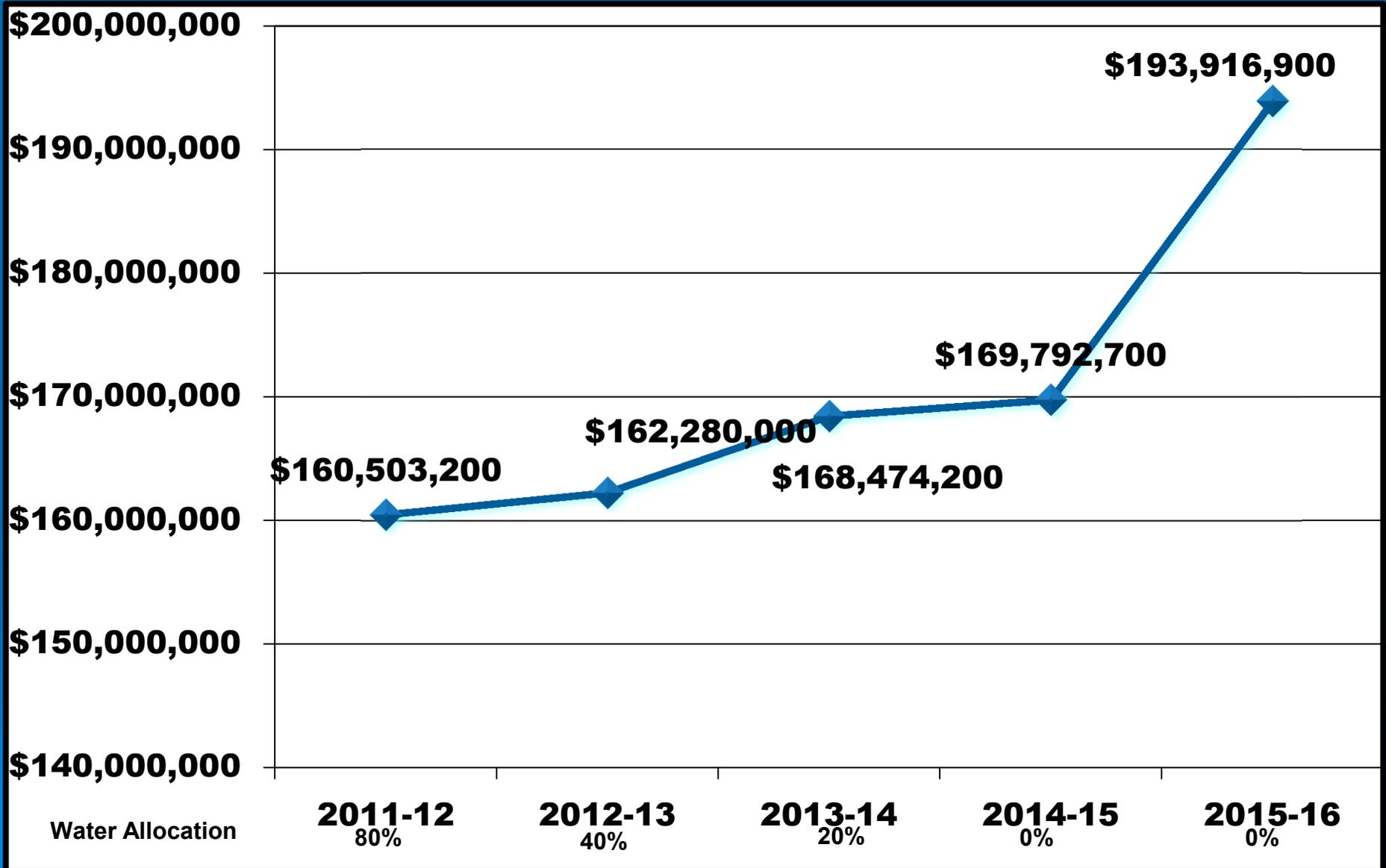
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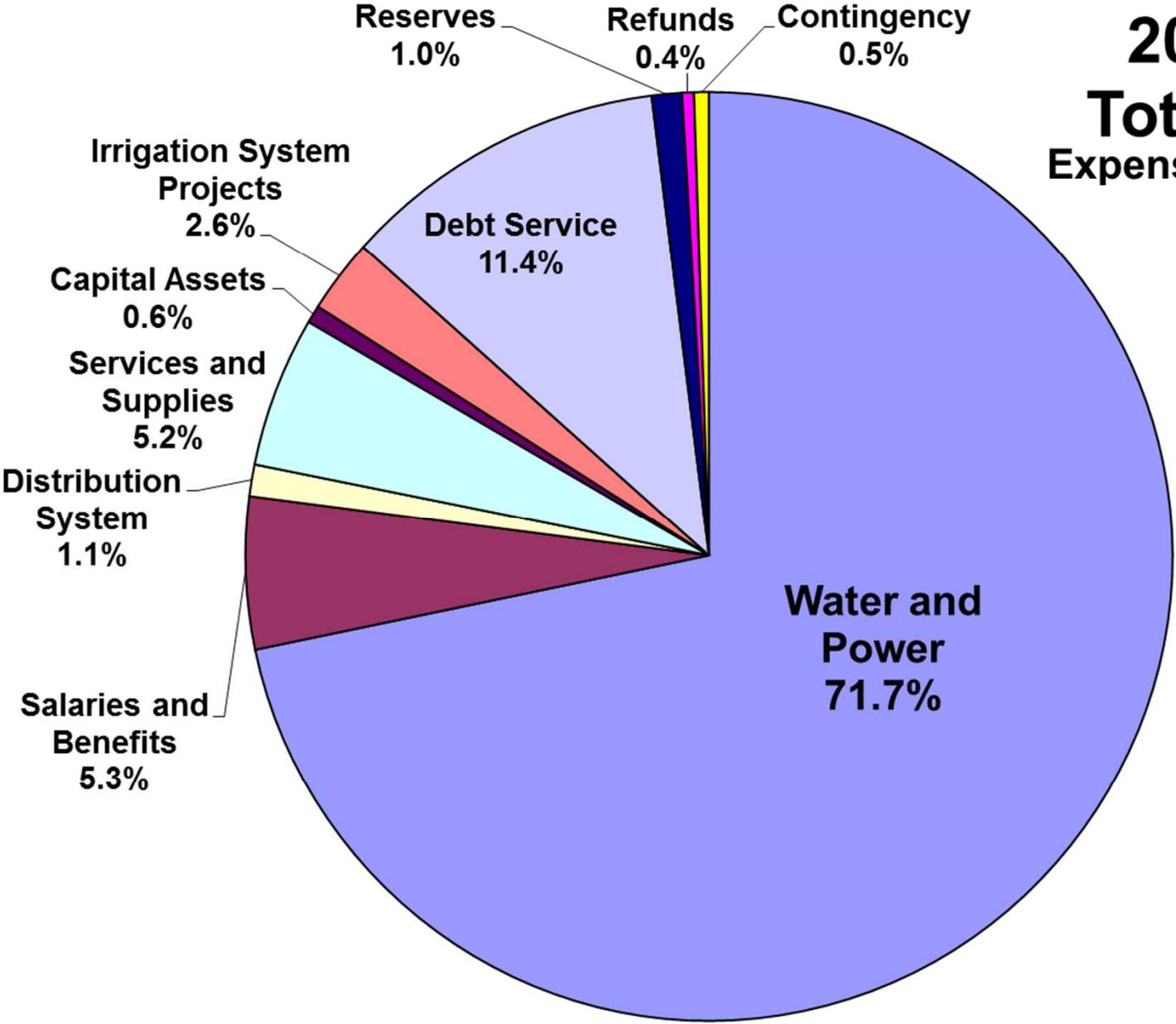
**2015-2016 Adopted Budget,
Water Rates, Charges &
Assessments**



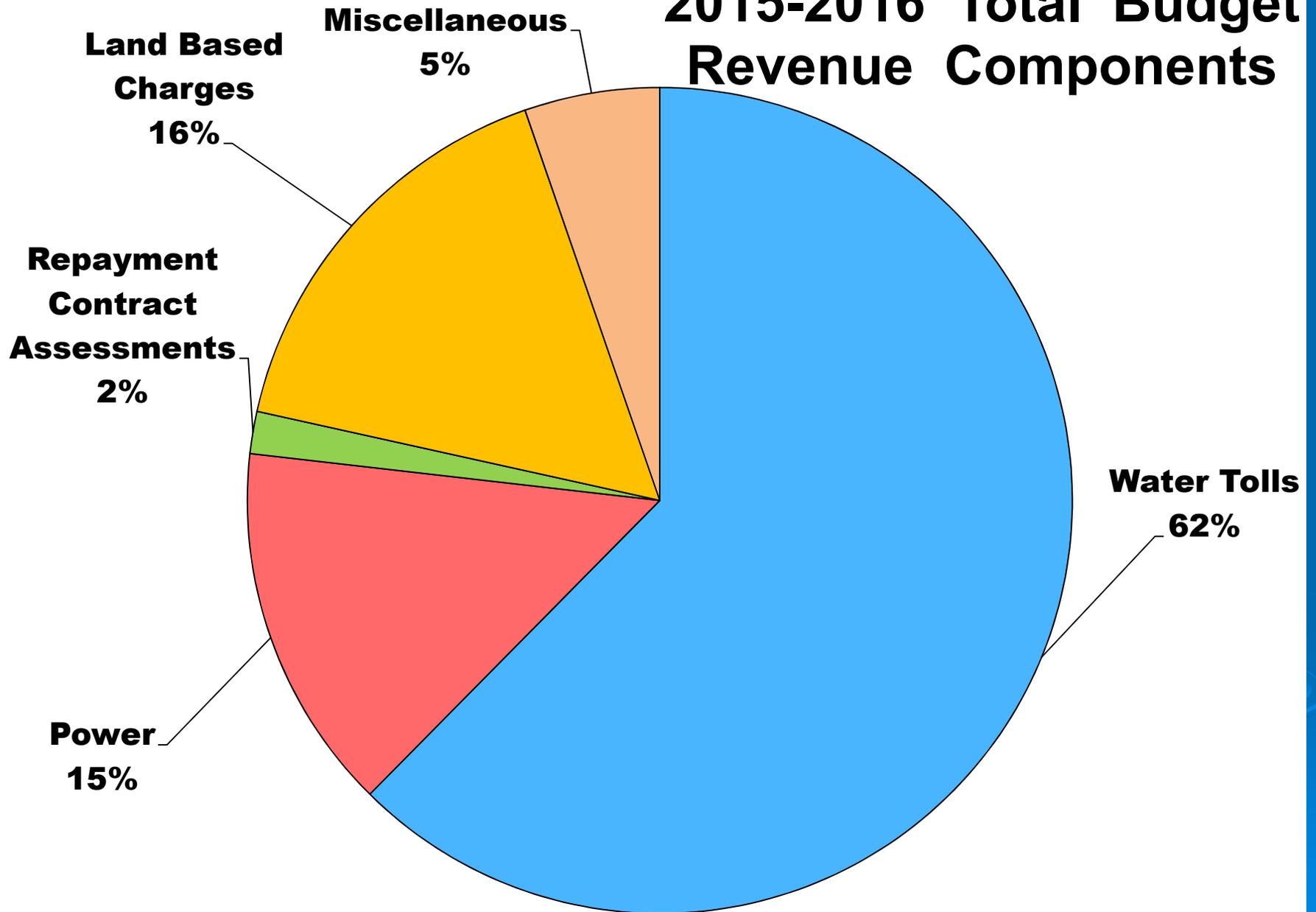
Total Budget



2015-2016 Total Budget Expense Components

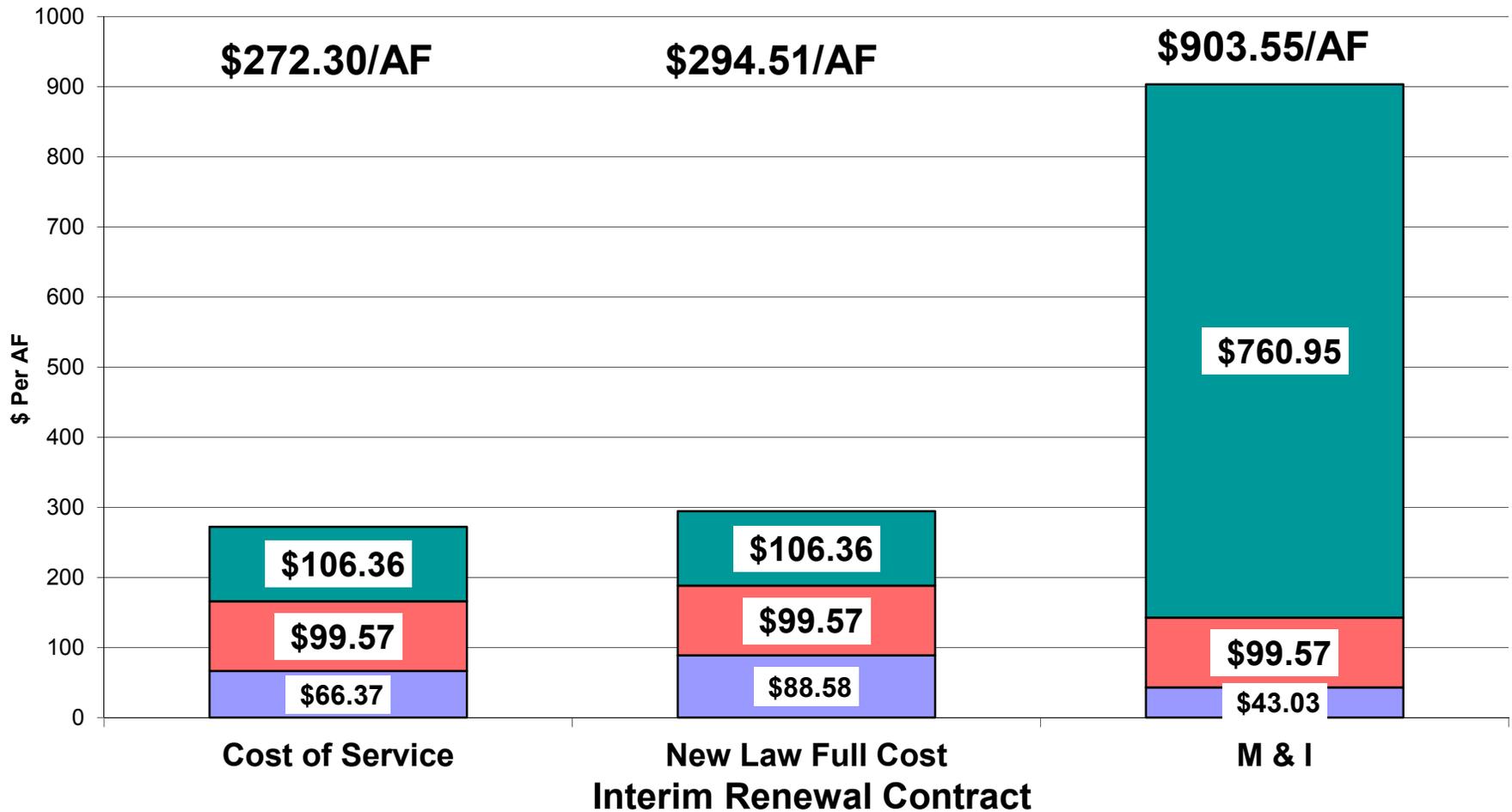


2015-2016 Total Budget Revenue Components



2015-2016 Water Rates

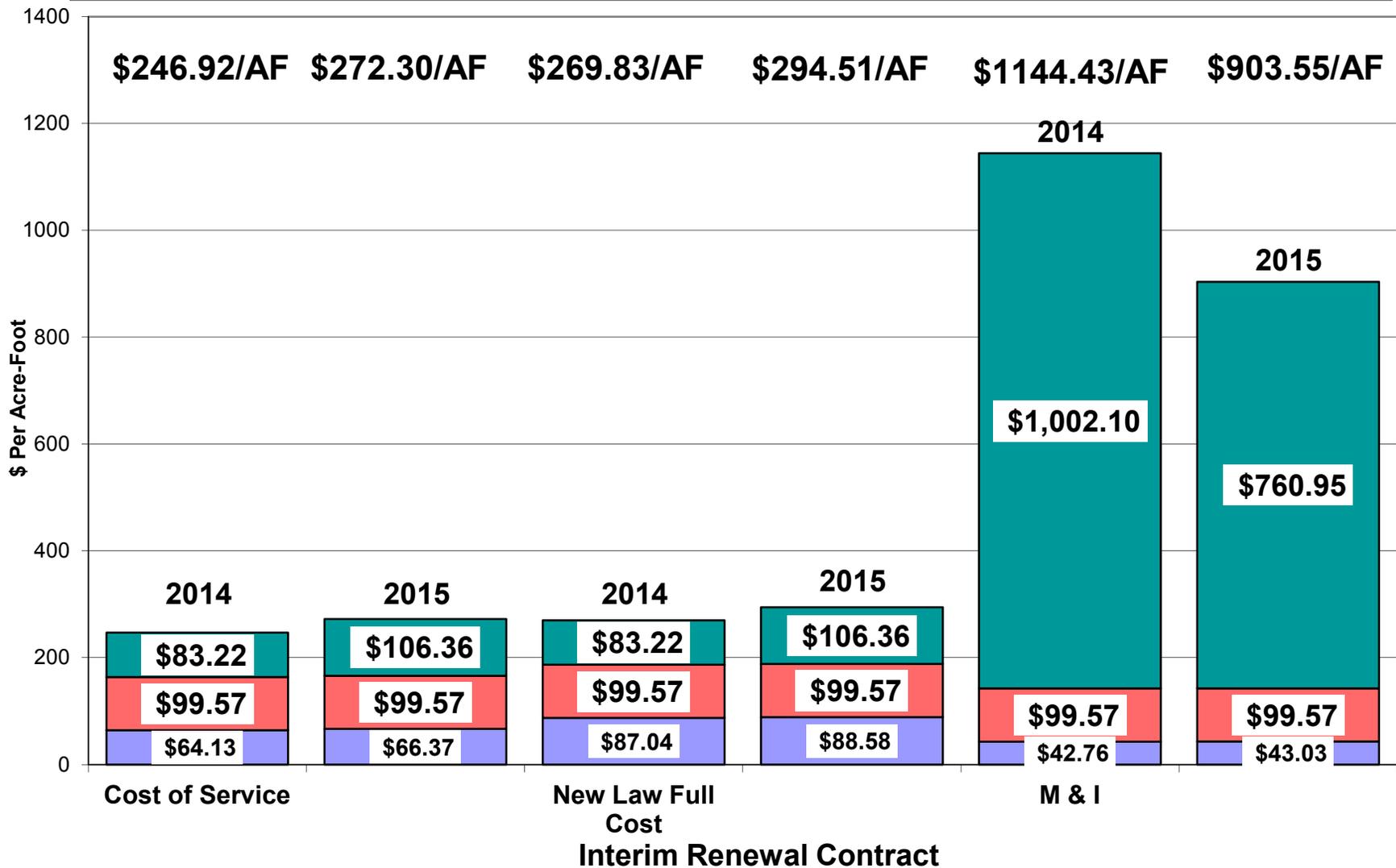
■ Bureau of Reclamation ■ Authority O&M ■ Westlands Water District



Water Rates Comparison

2014-2015 and 2015-2016

■ Bureau of Reclamation
 ■ Authority O&M
 ■ Westlands Water District



WESTLANDS WATER DISTRICT
2015-16 WATER RATES & CHARGES
0% Rates February 17, 2015

AGRICULTURAL WATER RATES	Cost of Service	New Law Full Cost	Old Law Full Cost
United States Bureau of Reclamation			
Water Rates	\$ 56.07	\$ 78.28	\$ 97.65
Trinity PUD Assessment	\$ 0.23	\$ 0.23	\$ 0.23
Restoration Fund	\$ 10.07	\$ 10.07	\$ 10.07
San Luis Delta Mendota Water Authority			
Authority O&M	\$ 99.57	\$ 99.57	\$ 99.57
Westlands Water District			
District O&M	\$ 96.20	\$ 96.20	\$ 96.20
Prior Years Restoration Fund	\$ 0.10	\$ 0.10	\$ 0.10
Water Delivered Benefit	\$ 10.06	\$ 10.06	\$ 10.06
Water Exchange Obligation	\$ -	\$ -	\$ -
SWRCB Water Rights Fee	\$ -	\$ -	\$ -
Actual USBR O&M	\$ -	\$ -	\$ -
Actual USBR O&M Credit	\$ -	\$ -	\$ -
SLDMWA True-up	-	-	-
Total Agricultural Water Rate	\$ <u>272.30</u>	\$ <u>294.51</u>	\$ <u>313.88</u>
MUNICIPAL AND INDUSTRIAL WATER RATES			
Acquired Supply	\$ 903.55		
Acquired Supply - NASL	\$ 934.54		

WESTLANDS WATER DISTRICT
2015-16 WATER RATES & CHARGES
0% Rates February 17, 2015

Land Based Charges	Amount	Unit
Long-Term Water Supply D.S. - Area 1 and Area 2	\$ 8.5173	AC
District Water Supply D.S. - Area 1	\$ 12.0501	AC
District Water Supply D.S. - Area 2	\$ 28.0767	AC
Extraordinary Repairs of Pipe - Area 1 and Area 2	\$ 1.0646	AC
Operations & Maintenance Costs - All Lands	\$ 7.0847	AC
Operations & Maintenance Costs - Lands with Allocation	\$ 7.5559	AC
Operations & Maintenance Costs - Lands with System	\$ 4.1527	AC
Operations & Maintenance Costs - Lands with both Allocation and System	\$ 21.8114	AC
Drainage Service Area	\$ 1.7167	AC
Westlands Water Quality Coalition	\$ 2.3600	AC
Allocation Charges		
Water Allocation Benefit	\$ -	AF
Usage Charges		
Overuse of Water Supply	\$ 1,106.00	AF
Administrative Fee	\$ 147.21	Mile
Distribution System Usage - Without Facilities	\$ 0.8230	AC
Distribution System Usage - With Facilities	\$ 4.5722	AC
Groundwater Management Program and Temporary Facilities		
Groundwater Management Program	\$ Varies by Facility	AF
Temporary Facilities Surcharge	\$ Varies by Facility	AF
Temporary Facility Credit	\$ (15.27)	AF
Account Monitoring Charges		
Overuse Monitoring	\$ 11,629.00	EA
Delinquent Payment Monitoring	\$ 208.00	EA
Advance Payment Monitoring	\$ 649.00	EA
Municipal and Industrial		
M&I Inspections	\$ 40.43	EA
Acquired Supply Advance	\$ 903.55	EA

Additional Items

- **Statement of Account and Water Activity Report (previously named Water Allocation Summary) are now available on-line. To access them, login to your Westlands Water District web account, select Menu then E-Docs.**
- **Automatic Bill Payment available to landowners and water users. To access the form, login to your Westlands Water District web account, select Menu then Forms.**

Additional Items

- **Automated Clearing House (ACH) payments are also available. Please contact the District Office for the banking information required to set up the ACH.**
- **Reclamation Law forms were due February 28, 2015**
- **1st installment of Land-based charges is due March 25, 2015.**

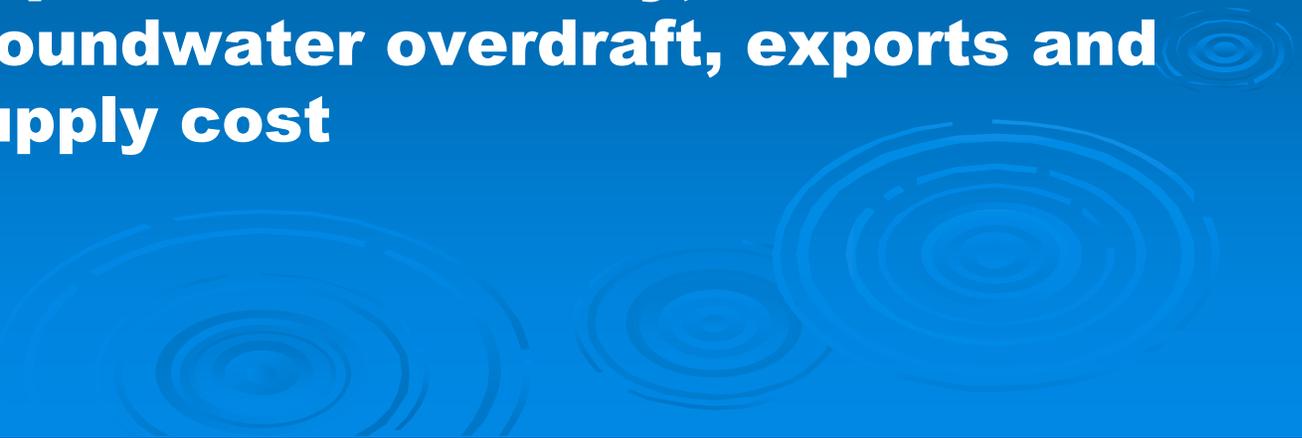
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Groundwater Conditions



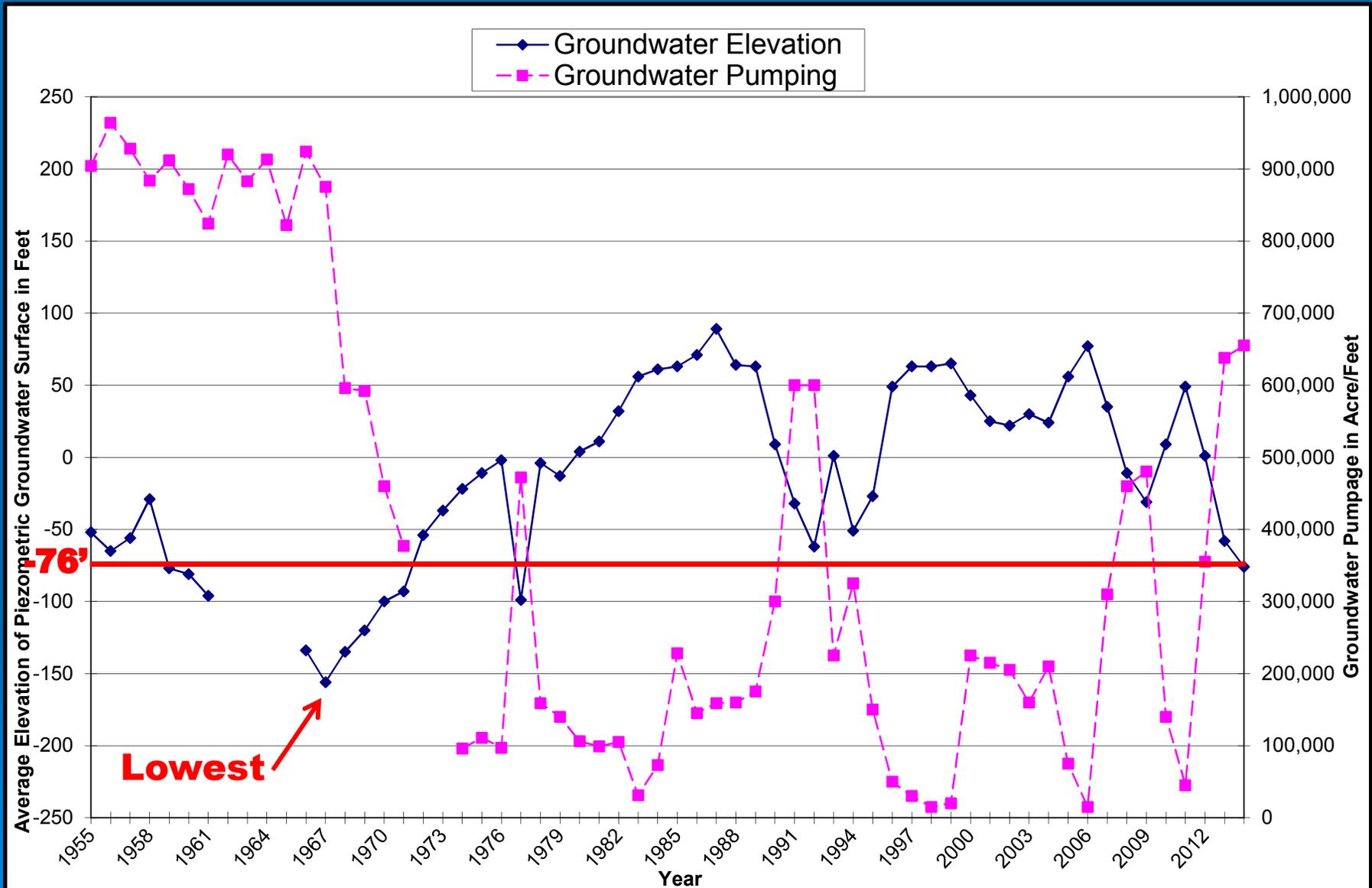
AB 3030 Groundwater Monitoring/ Management Plan

- **Meter readings, water level measurements, well construction information and EC data for all wells**
 - **Annual Report of Groundwater Conditions**
 - **GMP goals are to improve overall water supply reliability and promote efficiency, while minimizing groundwater overdraft, exports and total water supply cost**
- 

Groundwater Conditions

- **Total groundwater use approximately 655,000 AF**
 - **Pumping increased by 17,000 AF compared to 2013**
- **GWMP used 221,328 AF of groundwater**
- **Average groundwater elevation within District decreased 20 feet to 76 feet below MSL**
 - **Groundwater elevations are comparable to 1976 levels**
- **In 2006, average groundwater elevation was 77 feet above MSL**

Groundwater Conditions since 1955



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**Sustainable
Groundwater
Management Act
(SGMA)**

Sustainable Groundwater Management Act of 2014

Sustainable Groundwater Management Act of 2014

**Consists of three bills passed on
September 16, 2014**

AB 1739 (Dickenson)

SB 1168 (Pavley)

SB 1319 (Pavley)

Sustainability

- **Use that does not result in undesirable effects, such as:**
 - **Chronic lowering of water levels**
 - **Significant/unreasonable loss of storage**
 - **Significant/unreasonable reduction in quality**
 - **Significant/unreasonable subsidence**
- 

Regulatory Framework

- **Groundwater Sustainability Agencies**
 - **Districts, joint powers authorities, counties**
 - **SWRCB backstop**
- **Groundwater Sustainability Plans**
 - **Meet guidelines of sustainability**
 - **Elements defined by DWR**
- **Implementation**
 - **BMPs, Milestones, evaluation by DWR**

Authorities of GSAs

- **Registration of wells**
 - **Usage Reports**
 - **Establish limits**
 - **Establish/assess fees**
 - **Inspection warrants**
 - **Court orders**
 - **Fines**
- 

Significant Deadlines

- **1/31/2015: DWR Basin Categorization**
- **6/1/2016: GSP Evaluation Criteria**
- **1/1/2017: Best Management Practices**
- **6/30/2017: Establish GSA**
 - **WWD Board**
- **1/31/2020: GSP adoption/management**
 - **5 year reviews**
- **1/31/2040: Meet sustainability goals**

Groundwater Basin Prioritization Summary South Central



Outline

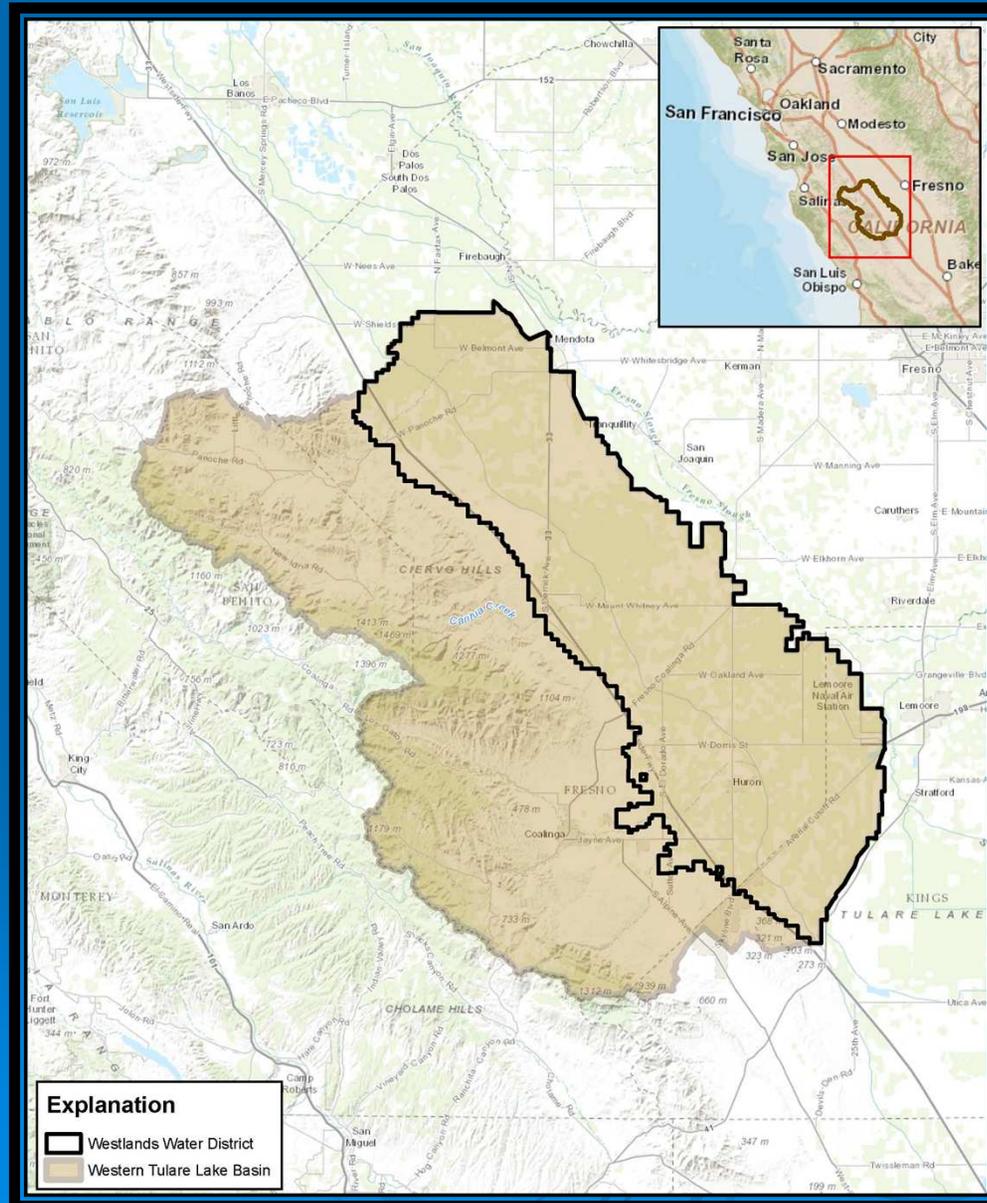
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Long-Term Irrigated Lands Regulatory Program Update



Westlands Water Quality Coalition



WWQC Schedule

Farm Evaluation Plans	1 March 2016
Sediment and Erosion Control Plans	180 days from report approval
Nitrogen Management Plan	23 March 2015
Nitrogen Management Plan Certification	1 March 2016
Nitrogen Management Plan Summary Report	1 March 2017

More information available at:

<http://wwd.ca.gov/resource-management/lt-irrigated-lands-management-program/>

WWQC Enrollment

- Review the parcels contained in the Notice sent on February 2nd
- Review Land Based Charges Invoice for accuracy
- Verify that all applicable lands are enrolled
- It is your responsibility to ensure all lands you own or operate are enrolled in the Coalition
- **For enrollment procedures and application please visit**
<http://wwd.ca.gov/resource-management/lt-irrigated-lands-management-program/>



Questions & Answers

