
Imperial Valley Agriculture & IID's Equitable Distribution Plan

Colorado River Citizens Forum

US International Boundary and Water Commission

December 17, 2014

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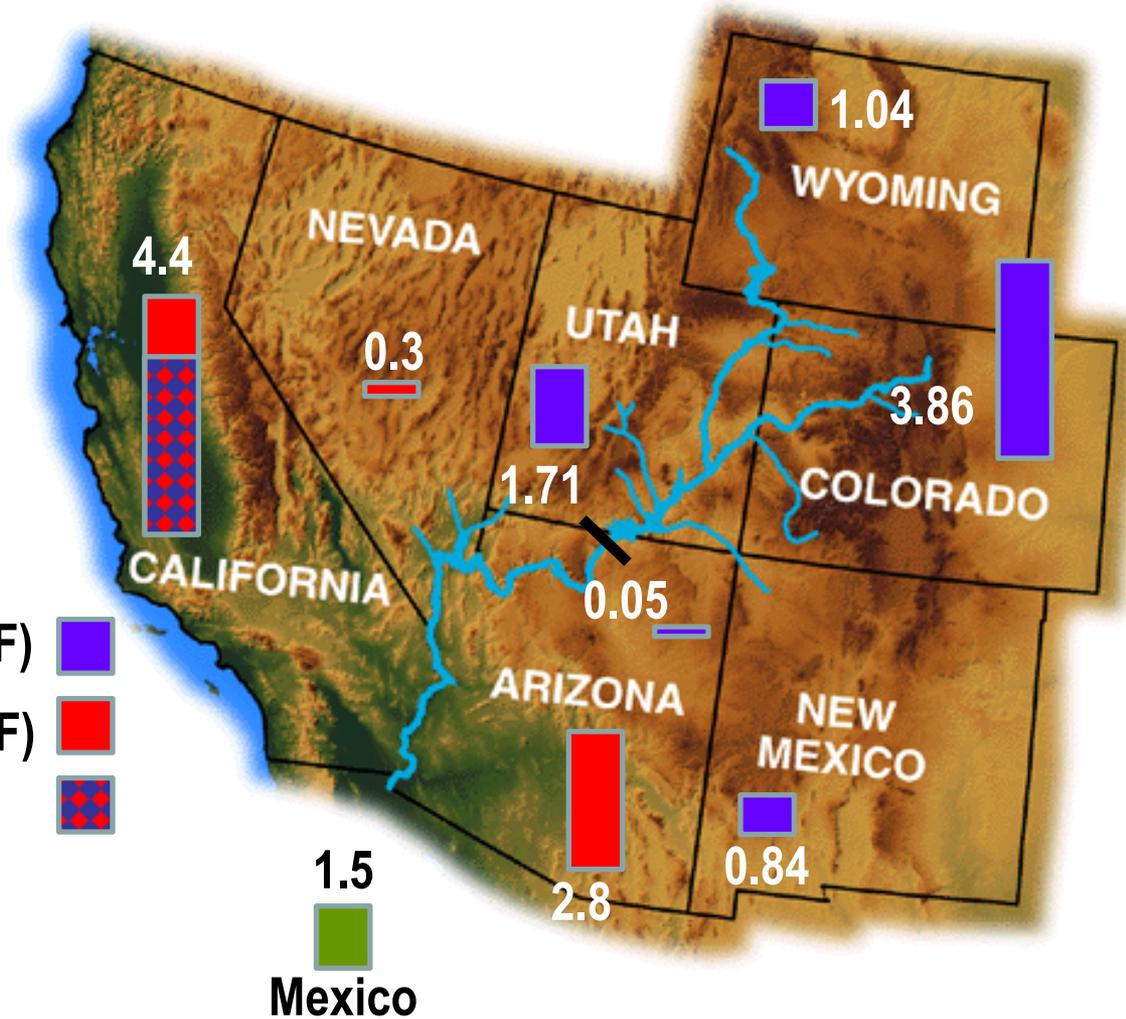
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Colorado River Basin State Entitlements



Upper Basin (7.5 MAF)

Lower Basin (7.5 MAF)

IID (3.1 MAF)



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California Service Areas



Priorities for California's 4.4 MAF Apportionment with the QSA

- 1. PVID
 - 2. Yuma Project
 - 3. IID (3,100,000 AF*) and CVWD (330,000 AF*)
 - 4. MWD.....550,000 AF
- } 3,850,000 AF
- = 4.4 MAF (California's apportionment)**

- 5a. MWD.....550,000 AF
- 5b. San Diego city, county
(given to MWD).....112,000 AF



* Agricultural water agency entitlements under the QSA; MWD is responsible for the PVID/Yuma Project over/under as PVID/YPRD is not a party to the QSA.

IID's Water Supply & Service Area

3,100,000 acre-feet annual Colorado River consumptive use entitlement

1,061,637 gross acres within boundaries

520,307 total acreage receiving water

473,782 total farmable acreage

557,695 total acreage in crop (includes multiple cropped area)



2013 data



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All-American Canal

- Connects Imperial Valley to the Colorado River
- 82-miles long, 175' elevation drop
- 15,500 - 6,500 cfs capacity
- Delivers water to CVWD via Coachella Main Canal
- 23-mile AAC Lining Project completed in 2010; conserves 67,700 AFY



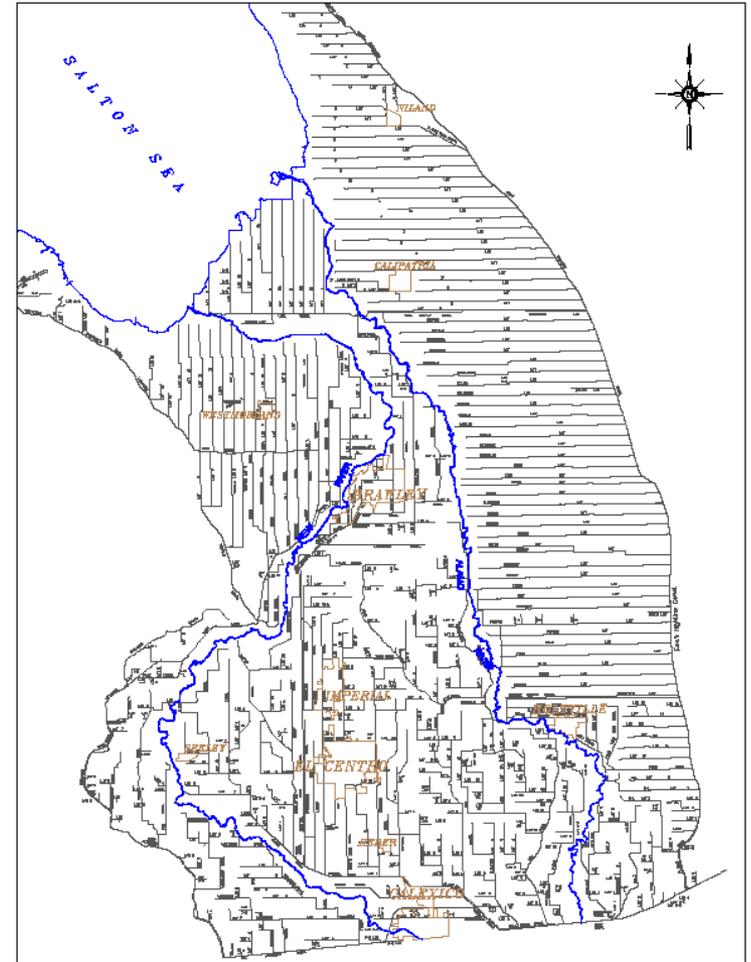
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Irrigation and Drainage System

- 148 miles of main canals
- 1,442 miles of laterals
- 1,457 miles of surface drains



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Permanent Crops

- Permanent crops make up less than 4% of the total acreage.
- Feedlots, Sheep, Asparagus, Citrus, Aviary (Bees), Duck Ponds



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Garden Crops

- Garden Crops account for nearly 19% of total acreage.
- Carrots, Lettuce, Melons, Cauliflower, Onions, Flowers



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Field Crops

- Field Crops account for over 77% of total acreage.
- Alfalfa, Bermuda Grass, Sudan Grass, Wheat, Sugar Beets



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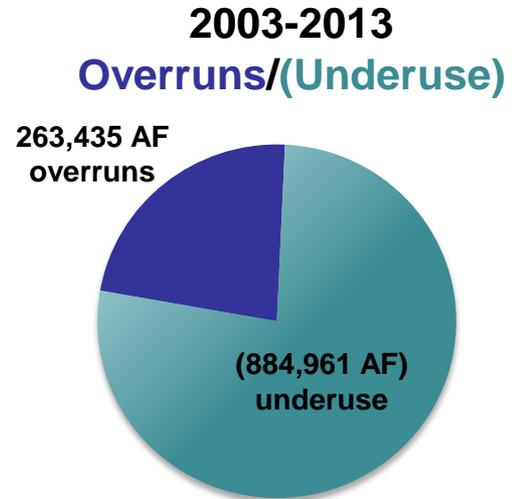
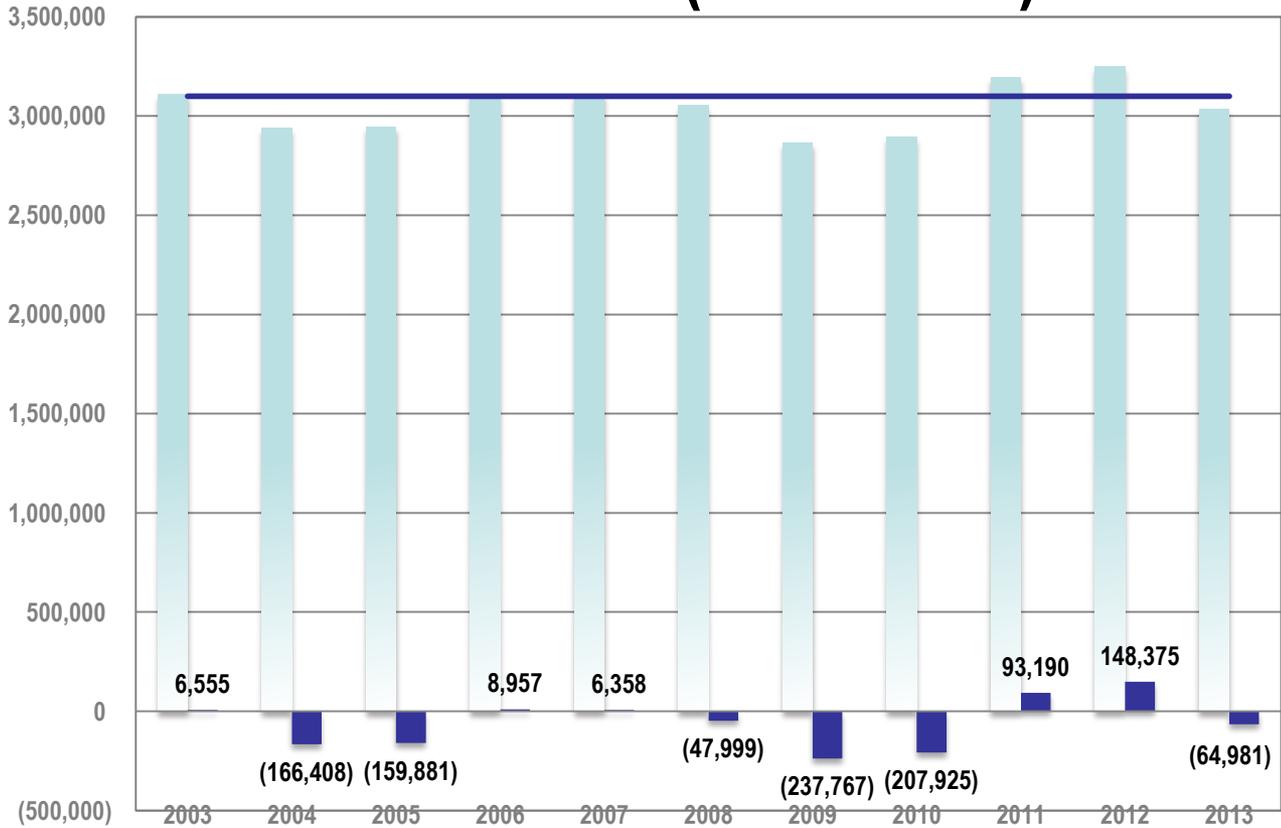
2013 Top 13 Crops (Acres)



Alfalfa	136,891	29.9%
Bermuda Grass	51,182	11.2%
Sudangrass	50,044	10.9%
Wheat	41,652	9.1%
Lettuce	28,061	6.1%
Sugar Beets	25,400	5.5%
Kleingrass	16,790	3.7%
Carrots	13,698	3.0%
Broccoli	12,688	2.8%
Duck Ponds	10,237	2.2%
Onions	9,879	2.2%
Sweet Corn	8,571	1.9%
Citrus	7,443	1.6%
Top 13 Crops Total Acres	412,536	90.1%
Total Acreage of Crops at IID	457,695	100.0%



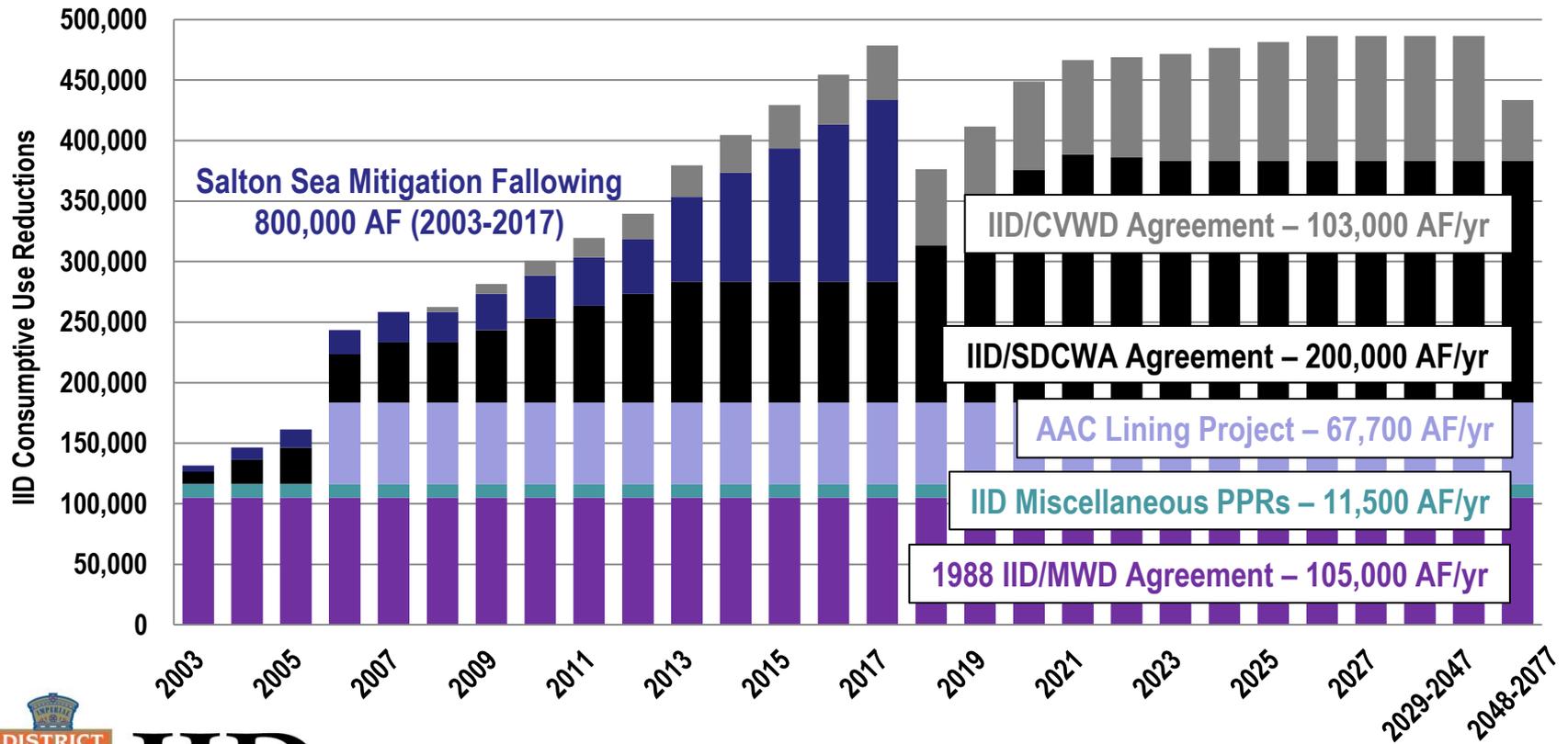
IID Annual Water Use and Overruns/Underuse (2003-2013)



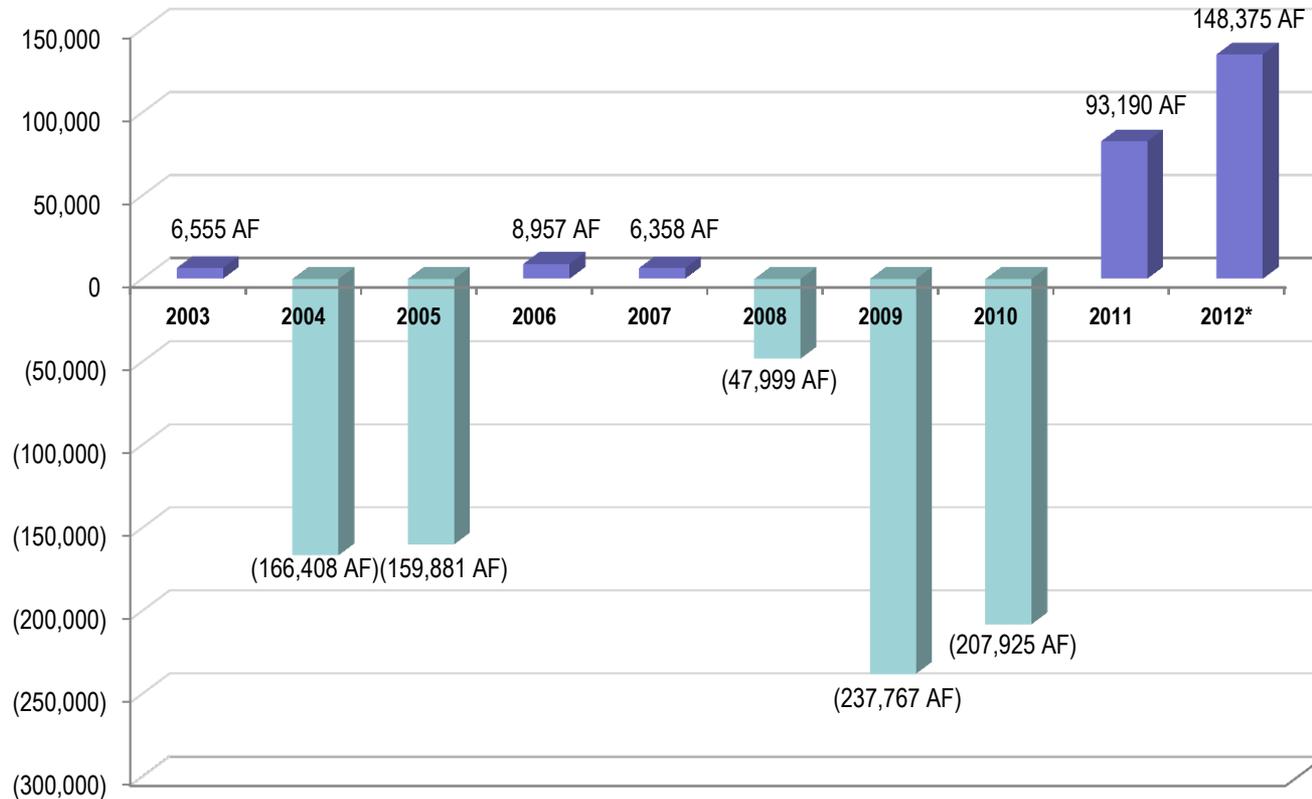
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Water Conservation & Transfer Programs



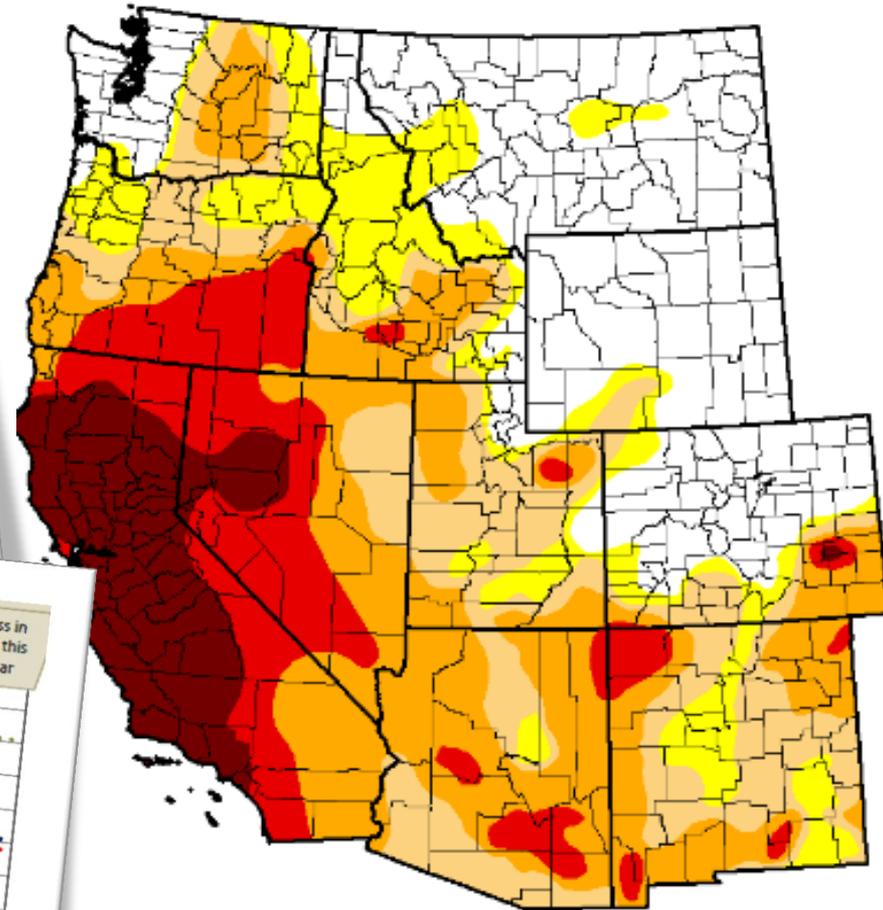
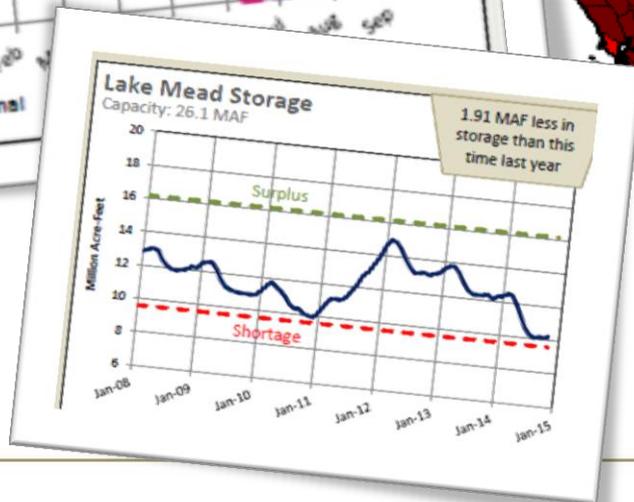
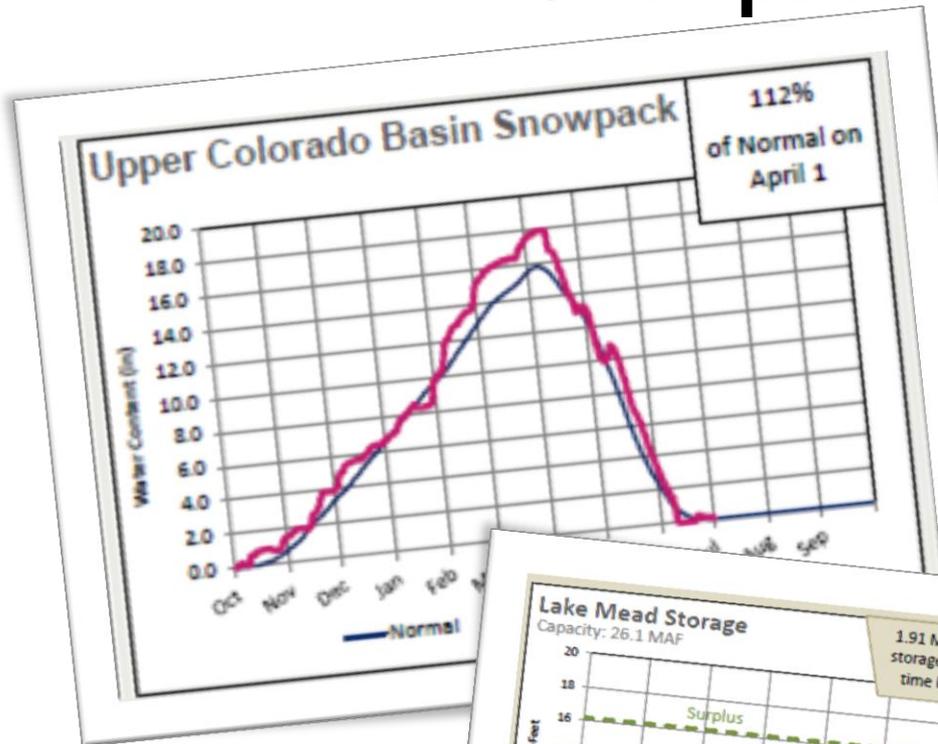
IID Overruns vs Underuse (2003-2012)



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Colorado River Drought Monitor & Snowpack Conditions

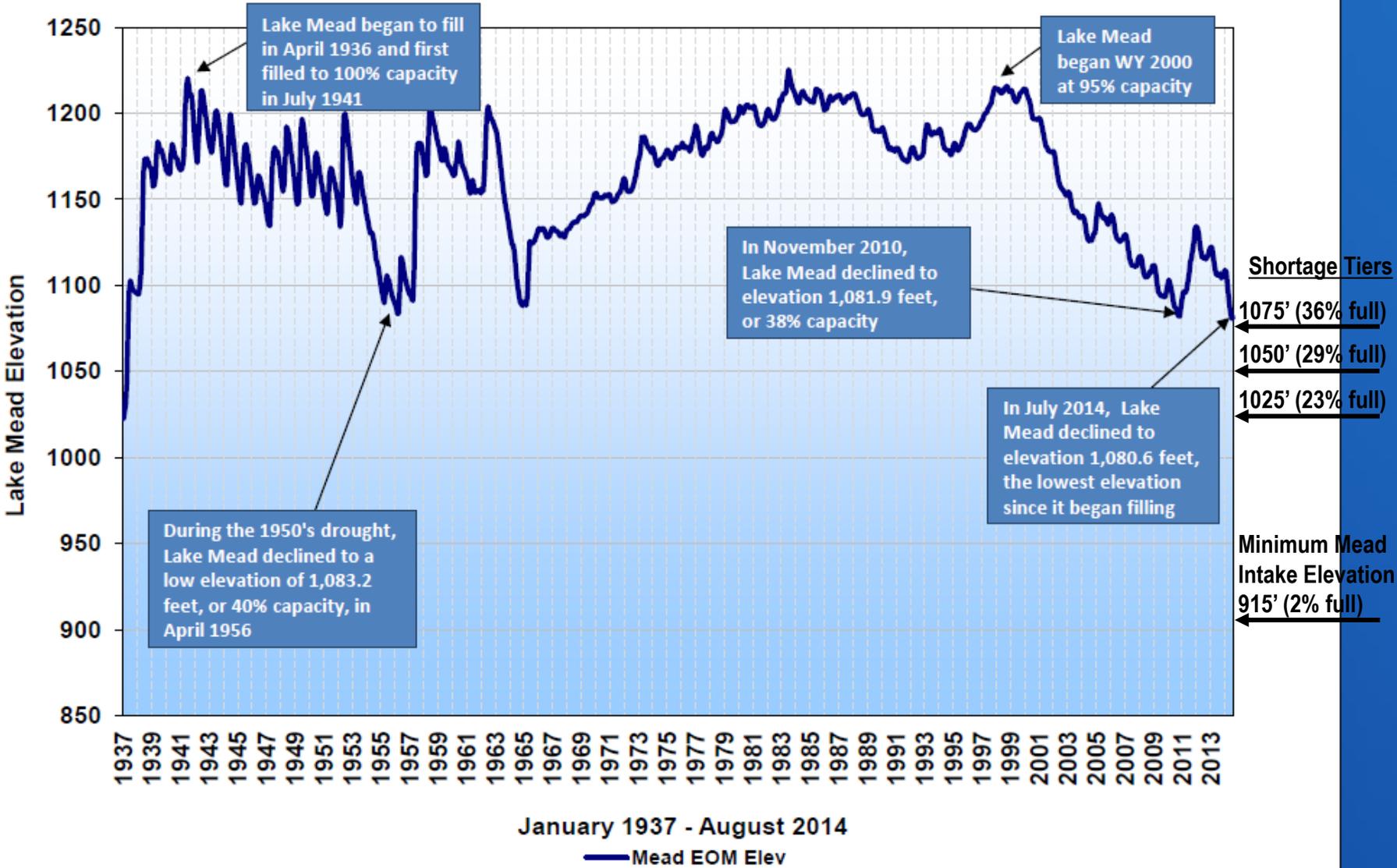


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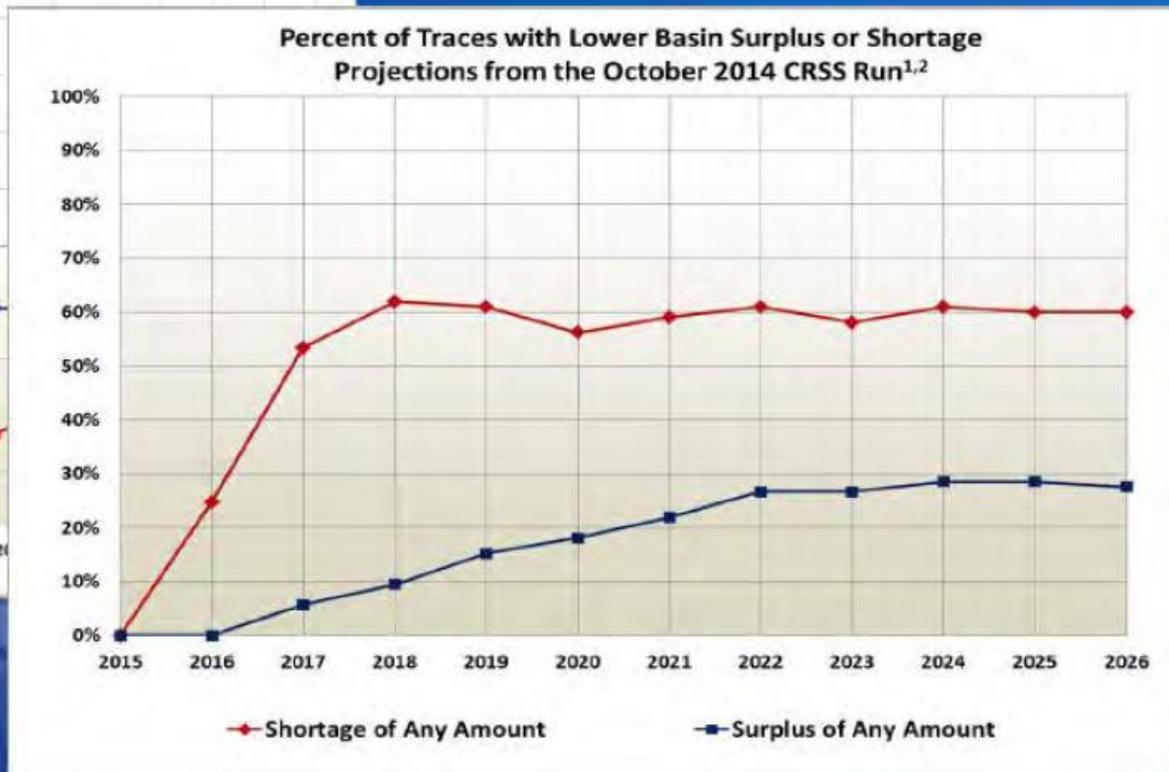
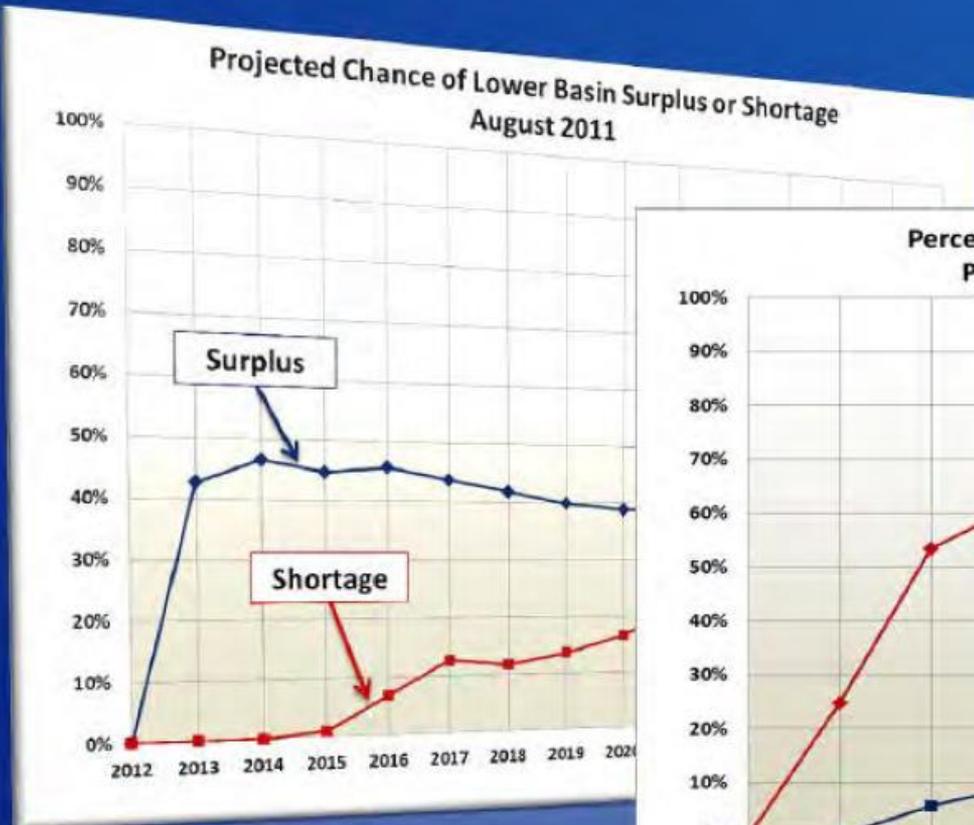
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Lake Mead Historical Elevation



Ongoing Drought is Increasing the Risks of Reaching Critical Elevations



Equitable Distribution History

- In 2006, IID launched an effort to evaluate the different methods of apportioning water within its service area in times where water user demand exceeds supply.
- Through a public stakeholder process, an equitable distribution plan was developed and authorized by the IID board of directors utilizing a straight-line method for years that conditions trigger a supply/demand imbalance (SDI).
- Through 2012, the EDP utilized a historical-based methodology to predict SDI for the next calendar year; this backward-looking projection proved largely ineffective as an effective water tool.



2013 EDP Revisions

With approximately 250,000 AF of 2011-2012 overruns requiring near-term payback, and with an ongoing historic drought, the IID board of directors authorized changes to the EDP intended to facilitate its timely implementation as an annual system of apportionment by eliminating the probability analysis SDI trigger and the discretionary nature of the apportionment issuance.



IMPERIAL IRRIGATION DISTRICT RESOLUTION NO. 15-2013

WHEREAS, the Imperial Irrigation District ("IID"), as a trustee under the California Irrigation District Law, holds water rights to and diverts water from the Colorado River for distribution and use within its service area.

WHEREAS, IID is required by State law to adopt rules and regulations for the equitable distribution of water within the service area of IID.

WHEREAS, IID's annual consumptive use entitlement was capped at 3.1 million acre-feet (less transfer obligations and any other applicable obligations) as a result of the Quantification Settlement Agreement and related agreements ("QSA"), except as otherwise determined under the Inadvertent Overrun and Payback Policy ("IOPP") as contained in pages 16 through 19 of the Record of Decision for the Colorado River Water Delivery Agreement issued on October 10, 2003.

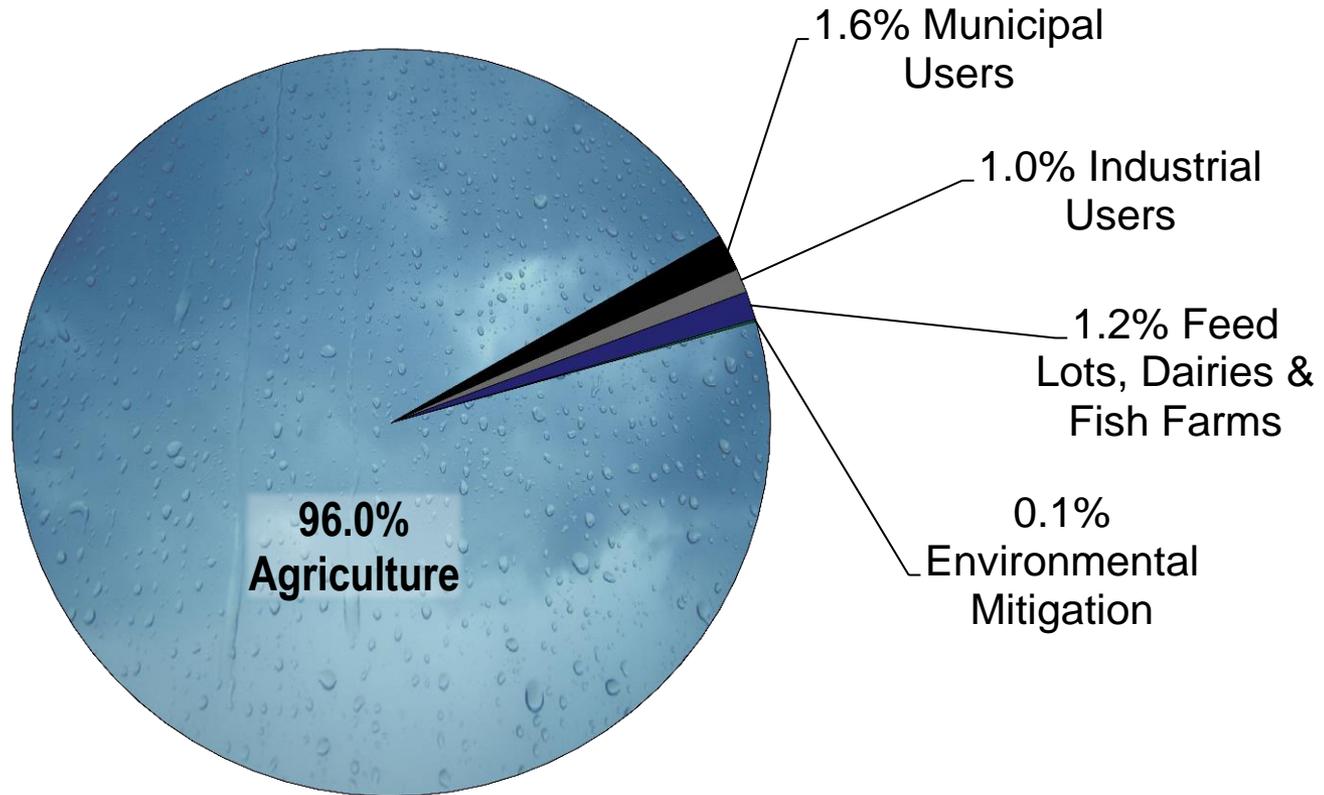
WHEREAS, it is essential that IID's water rights and annual entitlement be protected and utilized to produce the maximum benefit for the Imperial Valley community and its agricultural water users.

WHEREAS, on November 28, 2006 the IID Board of Directors ("IID Board") adopted Resolution No. 22-2006 approving the development and implementation of an Equitable Distribution Plan with a straight-line apportionment methodology and an intra-district water banking mechanism to facilitate the movement of water ("2006 Equitable Distribution Plan"). Further, Resolution No. 22-2006 directed the General Manager to prepare the rules and regulations necessary or appropriate to implement the 2006 Equitable Distribution Plan. An Equitable Distribution Plan serves as the underlying policy for implementation of an apportionment or equitable distribution of water, as well as rules and procedures for implementation.

WHEREAS, via Resolution No. 22-2006, in compliance with the California Environmental Quality Act ("CEQA"), California Public Resources Code sections 21000, *et seq.*, and the State CEQA Guidelines ("CEQA Guidelines"), Title 14 of the California Code of Regulations sections 15000, *et seq.*, the Board adopted the *Imperial Irrigation District Equitable Distribution Plan Negative Declaration* (State Clearinghouse

Resolution No. 15-2013
Revised Equitable Distribution Plan
May 14, 2013
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Apportioned Water Supply



EDP Agricultural Apportionment

- In May, 2013 IID issued a mid-year apportionment for the first time in its 100+ year history. The EDP was implemented as a pilot program and utilized a straight-line methodology to issue a pro-rated 3.7 AF/AC apportionment (≈ 5.45 AF/AC annual apportionment).
- In 2014, IID modified the apportionment methodology to address grower concerns and implemented a hybrid straight-line/historical use apportionment that ranged from 2.86 – 7.86 AF. 2015 utilized the same apportionment.



2014-15 Hybrid Apportionment

Combination straight-line and historical use:

- 💧 50% of a field's historical use calculated using the 2003-2012 ten year average, excluding the high and low years; historical contribution capped at 5 AF/AC (50% of 10 AF/AC)
- 💧 Total water available to agriculture lands, less certain administrative reserves and the water attributed to the historical use component, divided equally among the eligible agricultural acreage
- 💧 Apportionments range from 2.86 AF/AC to 7.86 AF/AC

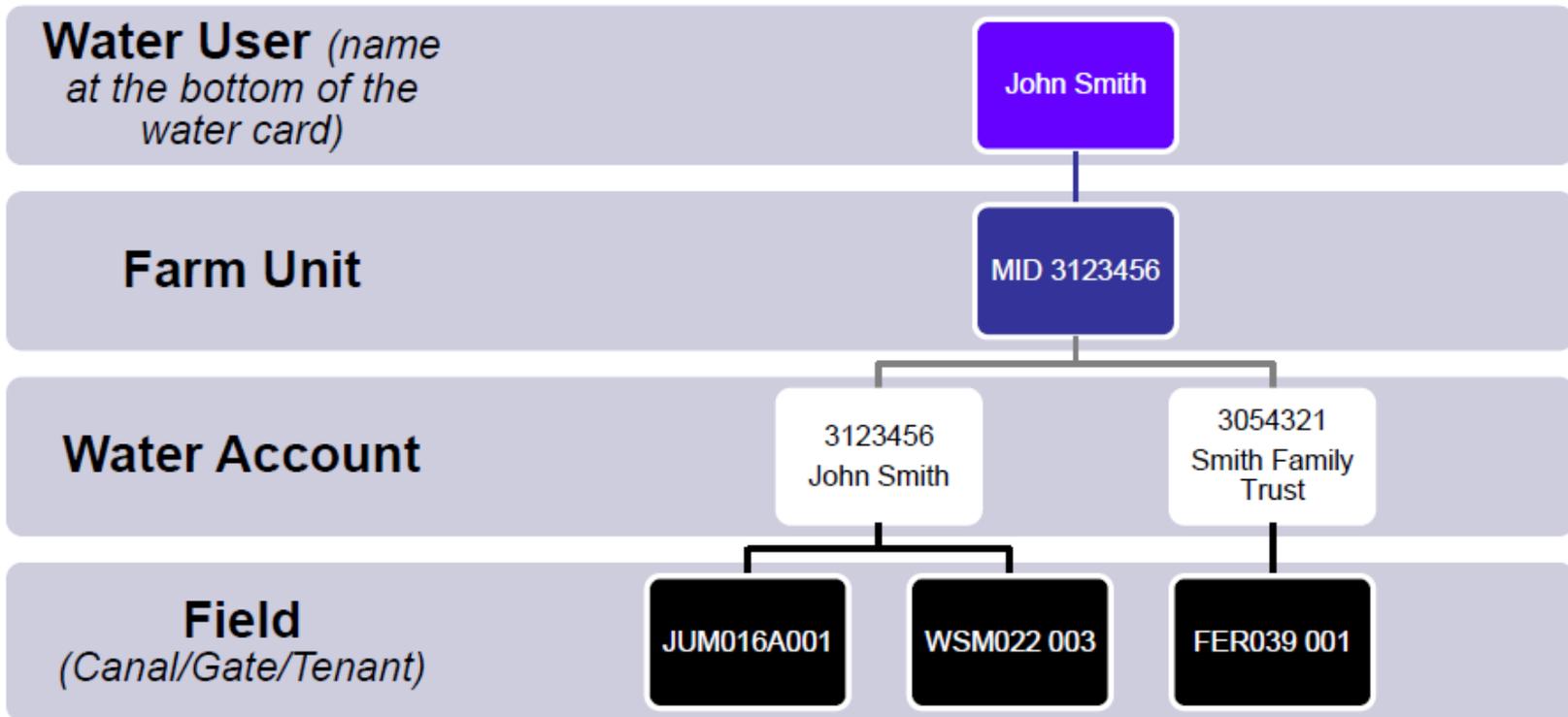
Eligible Agricultural Acreage

- Cropland
 - *(includes algae farms but not fish farms)*
- Greater than 5 acres in size
- Connected to the IID delivery system
 - *(capable of receiving water)*
- **Current on water availability & water delivery charges**

453,000 Eligible Agricultural Acres

Farm Unit

5/14/13 EDP 2.16 – Farm Unit. Under the Water Card process, an Agricultural Water User can aggregate some or all of the fields (leased or owned) by the Water User....The primary purpose of a Farm Unit is to allow an Agricultural Water User to order water on any field within the Farm Unit as long as there is a remaining water balance for the Farm Unit greater than the water order.

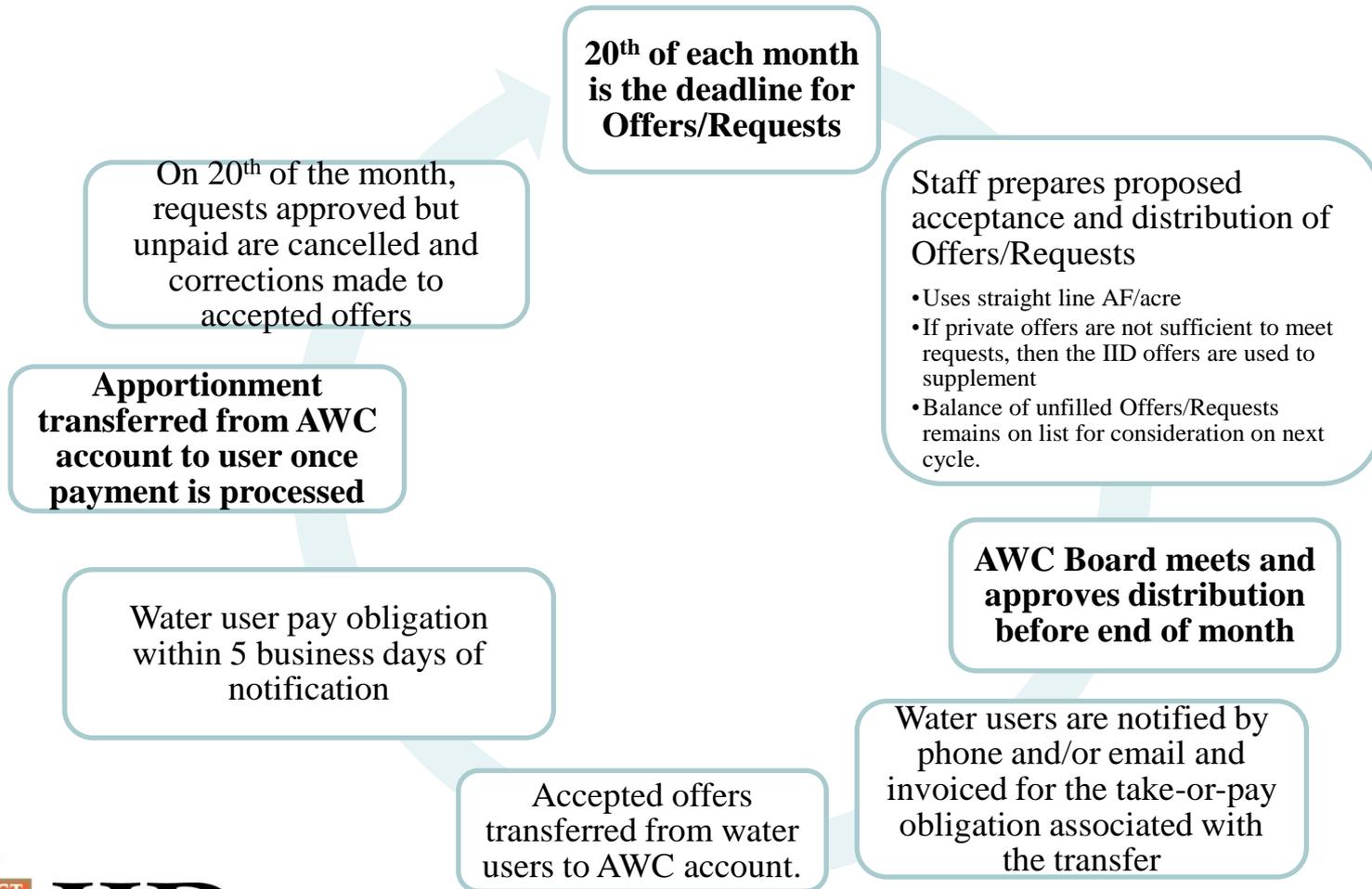


Agricultural Water Clearinghouse

- The AWC provides the mechanism for balancing and adjusting users' apportionment after the initial acceptance.
 - *There is no charge for using the AWC.*
 - *To discourage abuse and hoarding, the EDP requires that the take-or-pay obligation associated with transferred water be paid prior to transfer.*
 - *The transferee will receive a credit for the pre-payment of the obligation when the apportionment is either used or transferred to another user (via the AWC).*



AWC Monthly Process



November 4, 2014 IID Board Actions

Declared a 2014 Apportionment Take-or-Pay Relief Amnesty Period

- 15-day period during which all offers of water received by the Agricultural Water Clearinghouse (of up to 7 percent of a water user's apportionment) will be accepted by IID, thereby relieving the water users of payment for that water on the take-or-pay basis

Established a 2014 Overrun Payback Program

- Payback obligations will be calculated based on the negative account balance of each farm unit that exceeds its apportionment (after accounting for any supplemental water transferred to its account through the clearinghouse).
- The cost for IID's 2014 overrun payback program will reflect IID's actual conservation costs for the relevant payback and/or to offset any excess 2014 conservation utilized to reduce or eliminate a 2014 overrun. Current IID conservation costs range from \$175/AF-\$285/AF.



2014 End-of-Year Procedures

No denial of water delivery service in 2014

- Given the status of IID's year-to-date water use, conservation program implementation, measurement accuracies and Reclamation's forecasted underrun, IID will deliver all reasonable request for water to fields in active agricultural production.

Agricultural Water Clearinghouse requirement

- All farm-units that deplete their apportionments and need additional water are required to go through the Agricultural Water Clearinghouse to transfer additional water into their farm-unit accounts. IID staff will work with water users to facilitate the use of the Clearinghouse, including, if necessary, an administrative application by IID on behalf of the water users; water users are still responsible for any associated Clearinghouse costs.



2014 Year-End EDP Processes

- November Agricultural Water Clearinghouse processed all offers to return/transfer water.
- All offers remaining in the AWC after the November distribution were considered for take-or-pay relief along with all Clearinghouse Notice of Transfer (CNT) offers submitted from November 17 through December 1, 2014; IID will accept all offers within the 7 percent limitation.
- Weekly mailings to all accounts with negative account balances began last week. The letter reminds water users of the 2014 overrun payback program cost recovery requirement and provides the CNT form to facilitate the use of AWC to request additional water.



Agricultural Water Clearinghouse December 2014 Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	★ 1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AWC Deadline

AWC Distribution



Relief Period Deadline



Agricultural Water Clearinghouse

December 2014 Processes

- All negative accounts that fail to submit Clearinghouse Notice of Transfer forms to request water from the Agricultural Water Clearinghouse will be processed administratively by IID staff during a final 2014 AWC distribution, after all requests submitted by farm unit managers are processed.
- Any unaccepted offers to transfer water will be used to satisfy these negative account balances.
- Final 2014 account true-ups and overrun cost-recovery notifications will occur in 2015 once water accounting data is processed and finalized.



EDP Coordination & Communication

- Apportionment status mailings and reminders
- Advertisements in paper
- Radio spots
- Updated web portal with apportionment balances
- Division staff calling users with either negative balances or no apparent consumption.



2014 Field Apportionment

As always, ag water users need to keep a close eye on water use, but this is especially important as 2014 winds down. Water users will be required to pay for any apportionment that was accepted on a take-or-pay basis, but remains unused in their field's account after December 31.

The best course of action is to carefully budget your water needs, offering for transfer any excess into the ag water clearinghouse for other growers who may need to finish a crop. To do so, contact your division office for a Clearinghouse Notice of Transfer form.

Water offered for transfer will not be transferred until payment is received for the transferred water from the receiving water user. Upon receipt of payment, the water user offering the water will be credited for the transferred water.

Field consumption reports are provided on your IID water bill statements and at <http://mywateraccount.iid.com/>.

For more info, contact your water division office or visit www.iid.com/edp.



www.iid.com

The complex block is a tilted rectangular graphic that mimics a flyer or poster. It features a title '2014 Field Apportionment' at the top in a bold, black, sans-serif font. Below the title are several paragraphs of text in a smaller, black, sans-serif font, providing information about water use, budgeting, and transfer options. At the bottom of the graphic is the IID logo, which includes a shield with 'DISTRICT', 'WATER', and 'POWER' text, and the large letters 'IID'. To the right of the logo is the website address 'www.iid.com'.

Equitable Distribution Plan Weblinks

- IID website: www.iid.com
- EDP website: <http://www.iid.com/index.aspx?page=141>
- October 28, 2013 EDP:
<http://www.iid.com/Modules/ShowDocument.aspx?documentid=8323>
- EDP forms: www.iid.com/edpforms
- Agricultural Water Clearinghouse status reports:
<http://www.iid.com/index.aspx?page=669>



IID's QSA Water Conservation & Transfer Summary (2003-2014*; Total Conservation = 3,390,996 AF)

