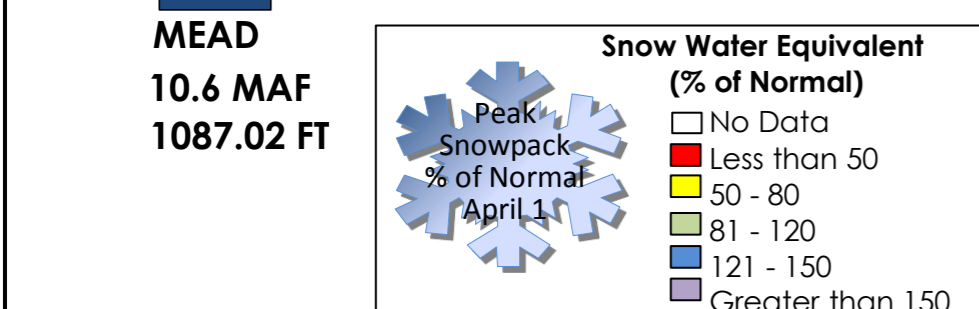
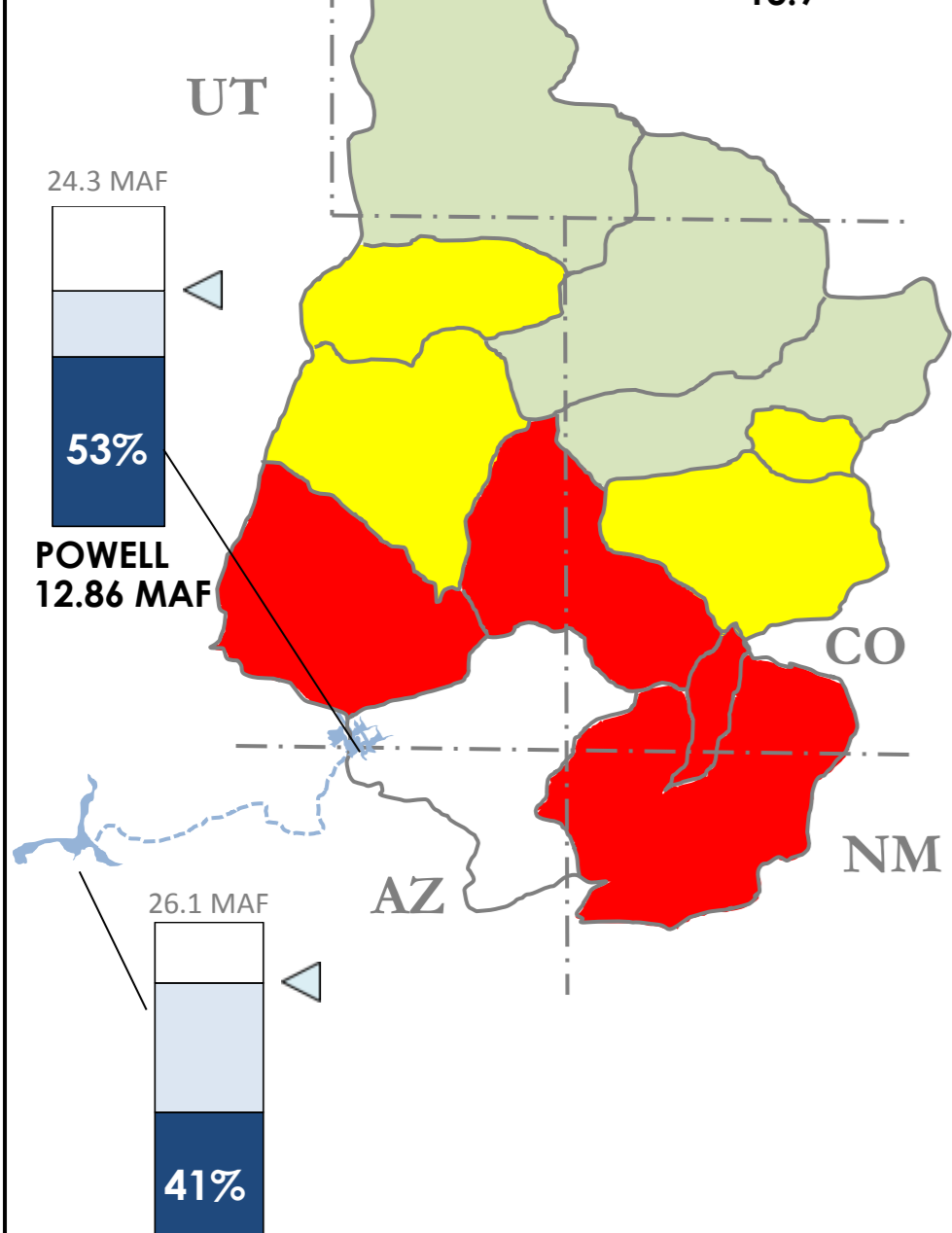
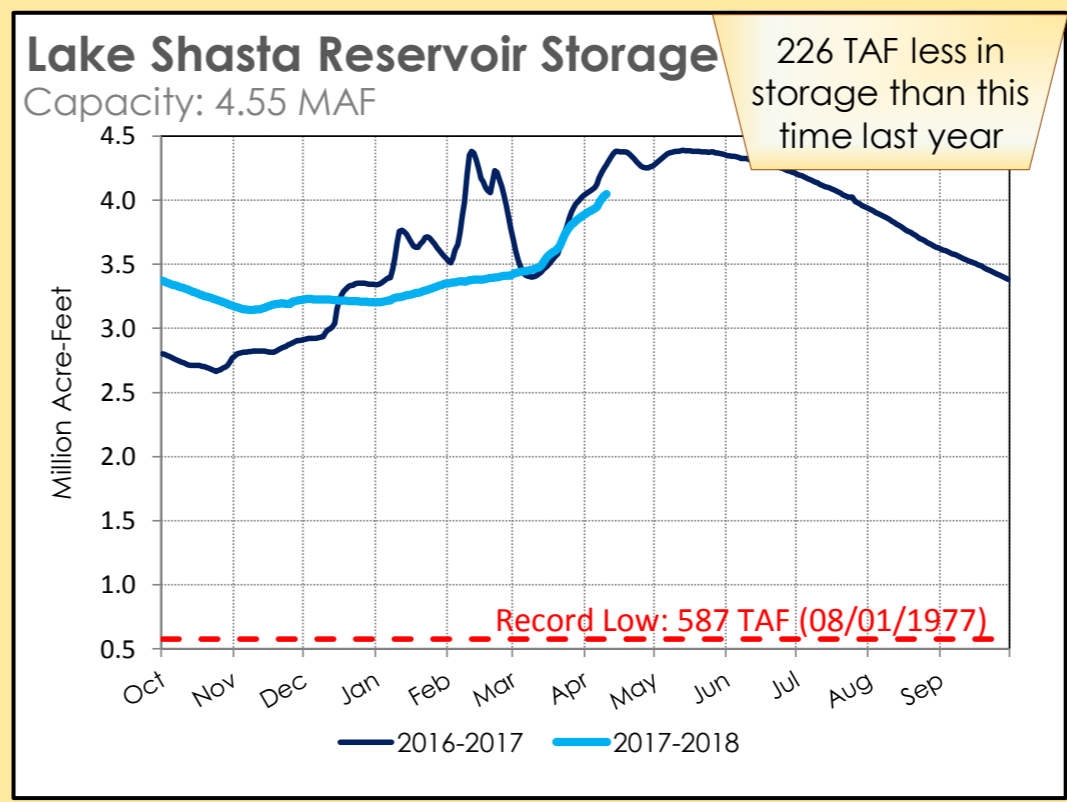
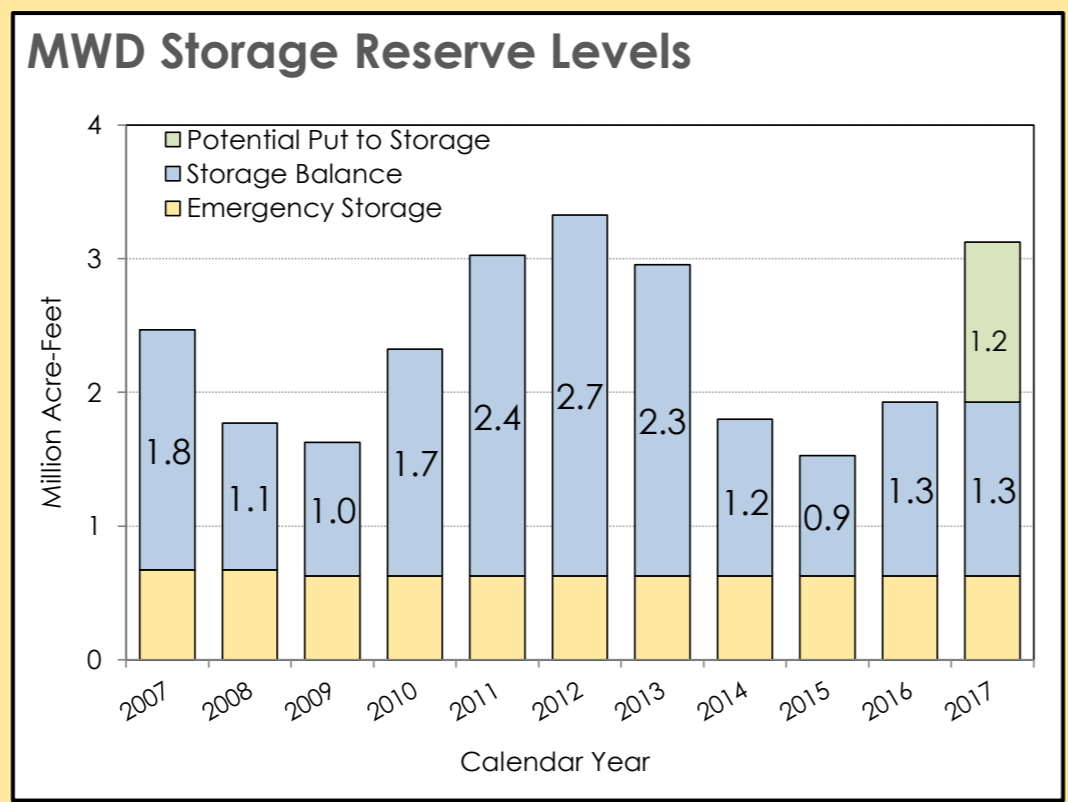
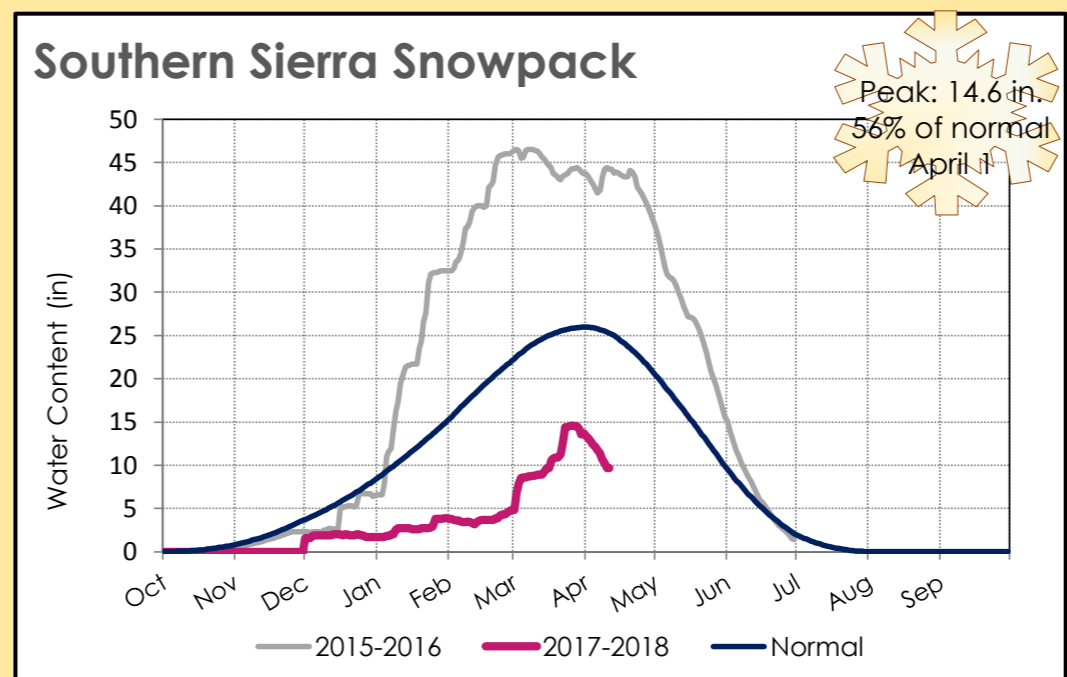
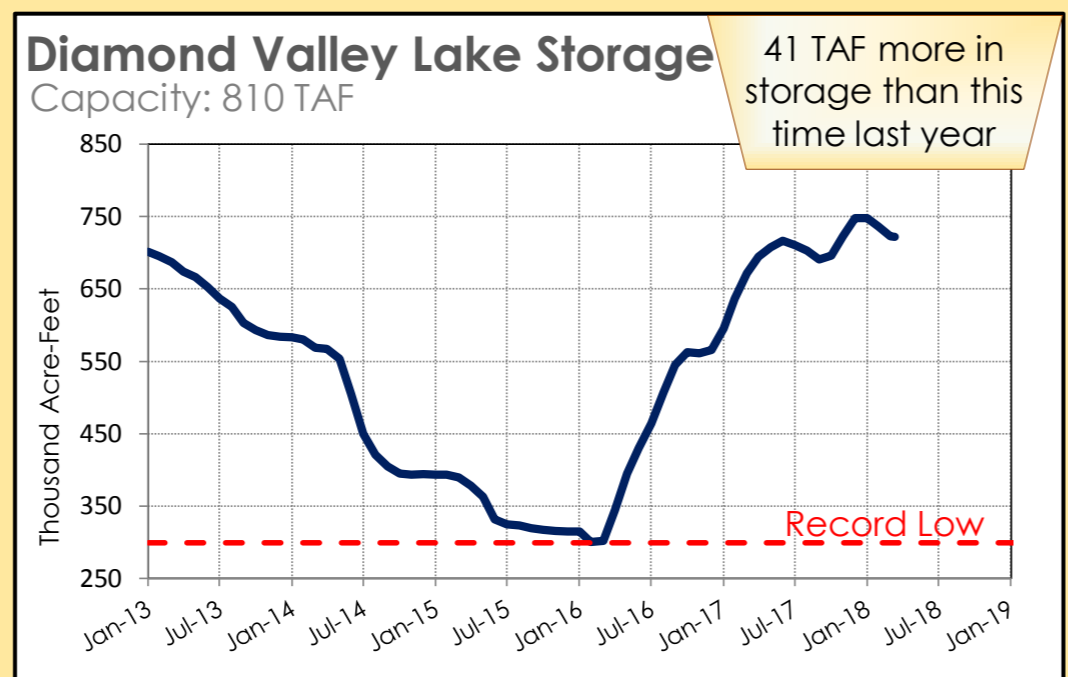


**2018 Colorado River**  
Upper Colorado River Basin  
**74%** Peak Snowpack % of Normal April 1  
908,747 AF  
73% of full CRA  
Does not include storage withdrawals

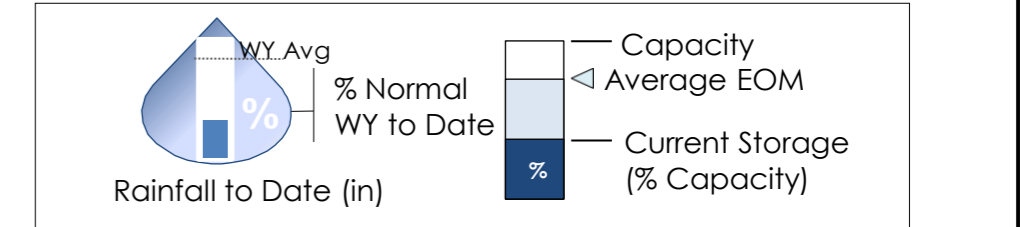
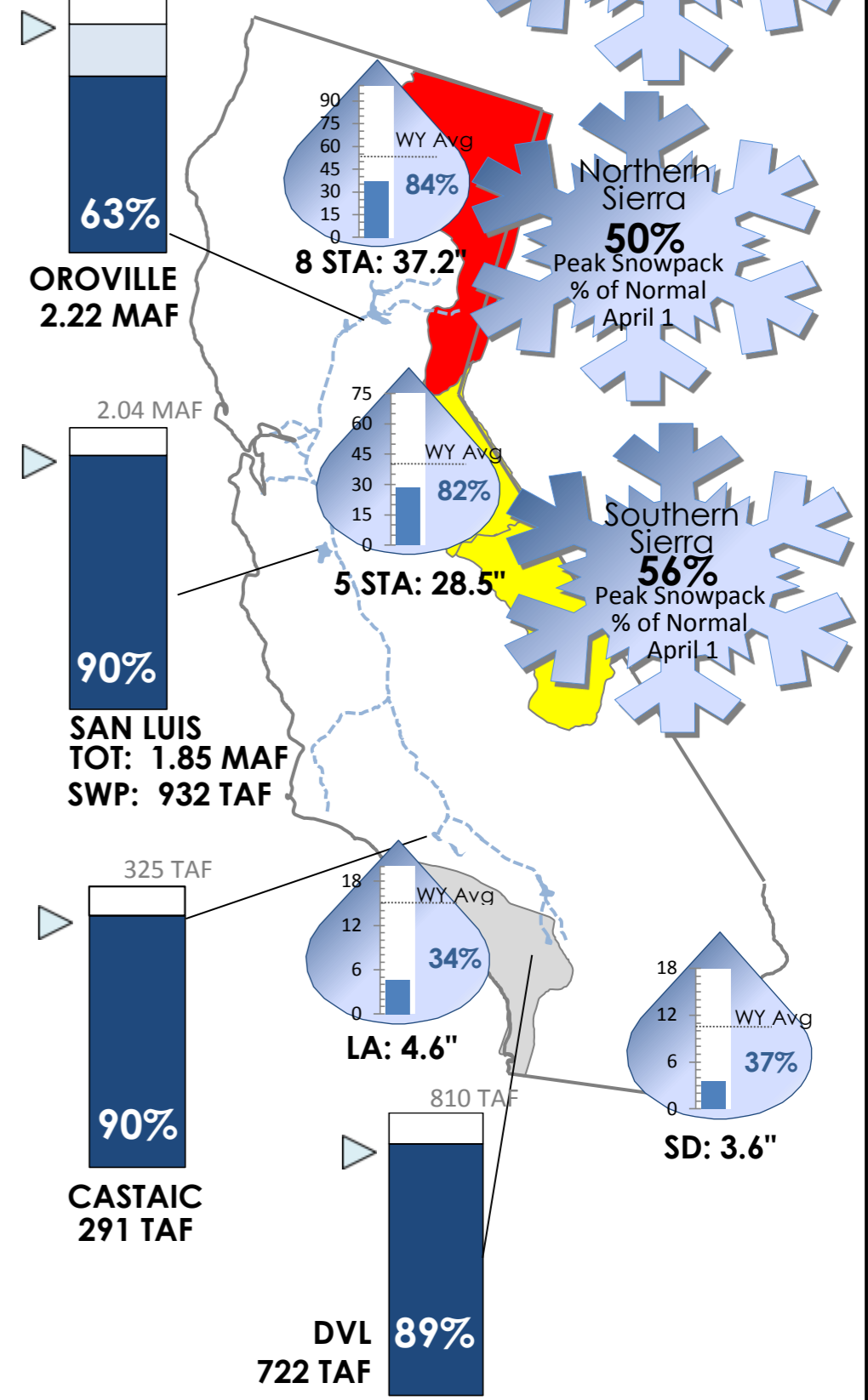


### Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 68% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of normal



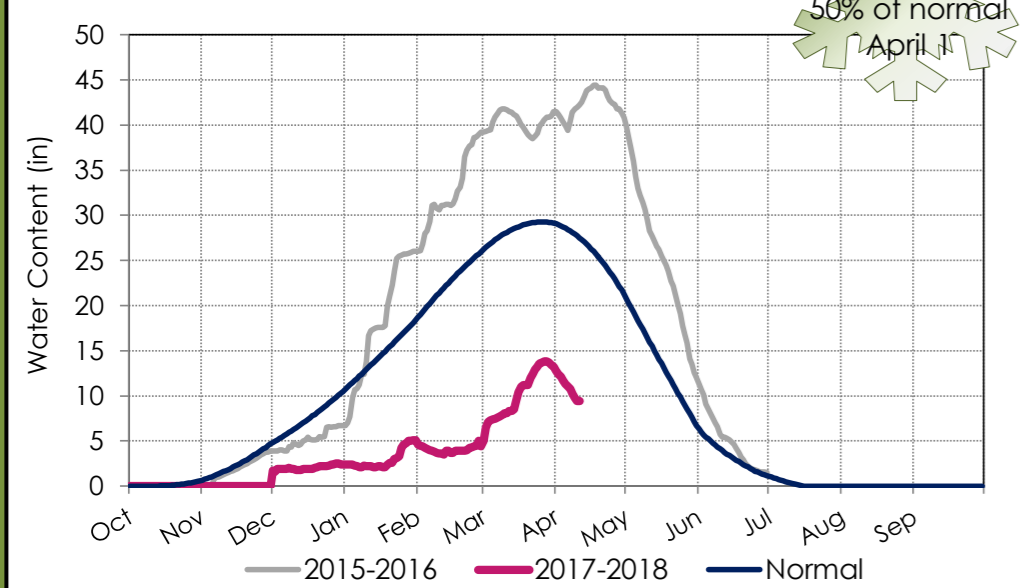
**2018 SWP Allocation**  
382,300 AF  
20% of Table A



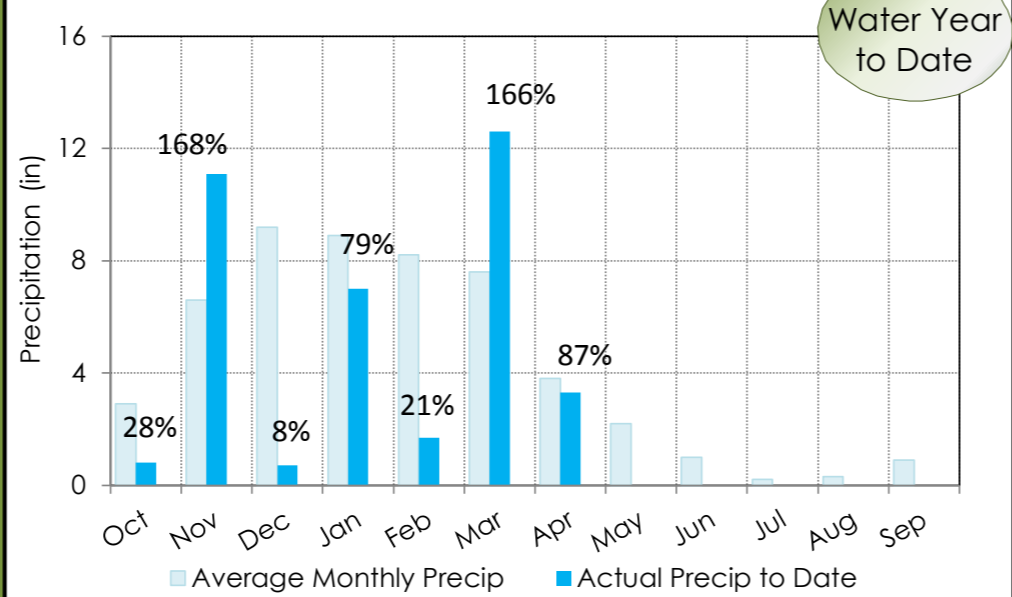
As of: 04/10/2018

# State Water Project Resources

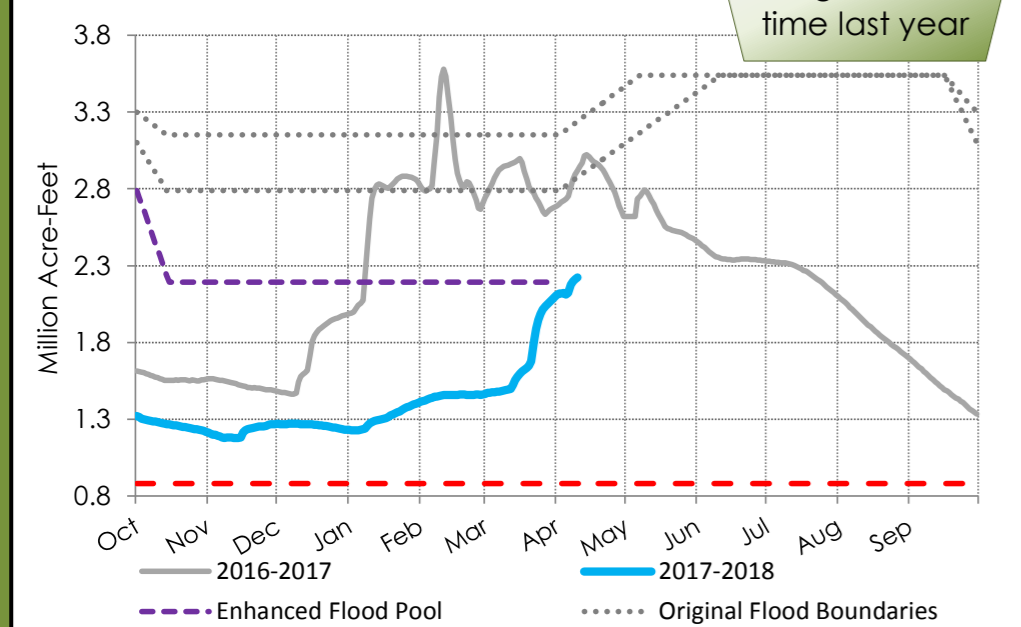
## Northern Sierra Snowpack



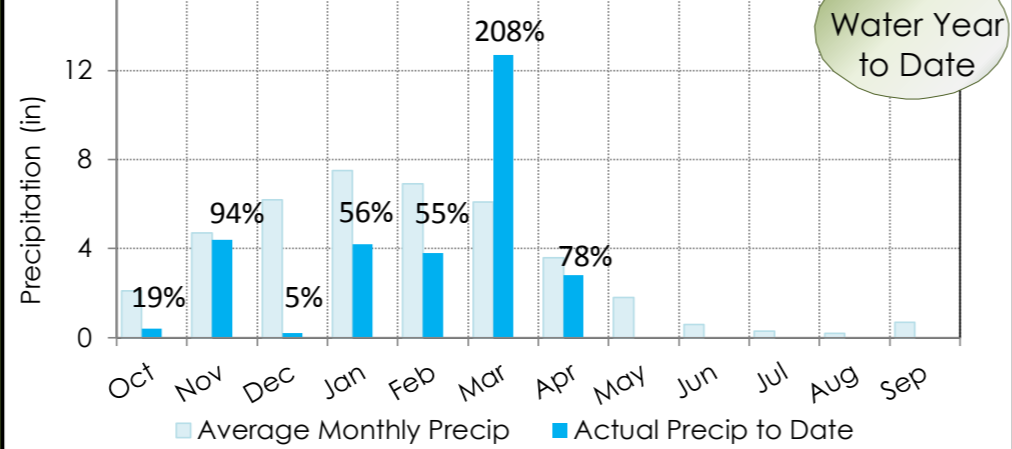
## 8 Station Index Precip



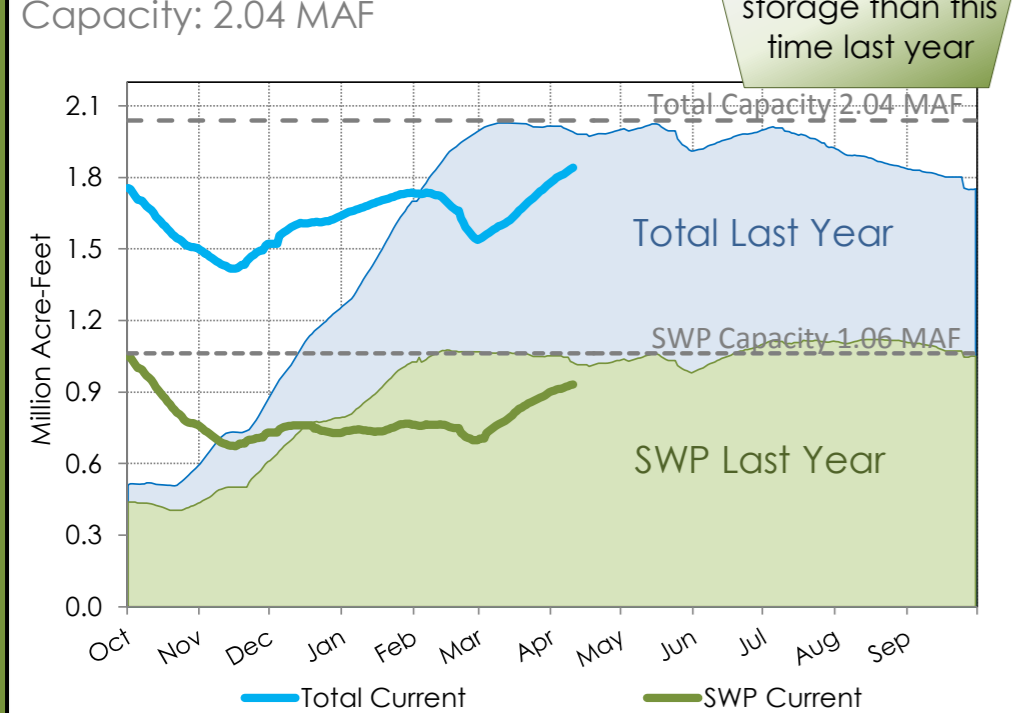
## Oroville Reservoir Storage



## 5 Station Index Precip



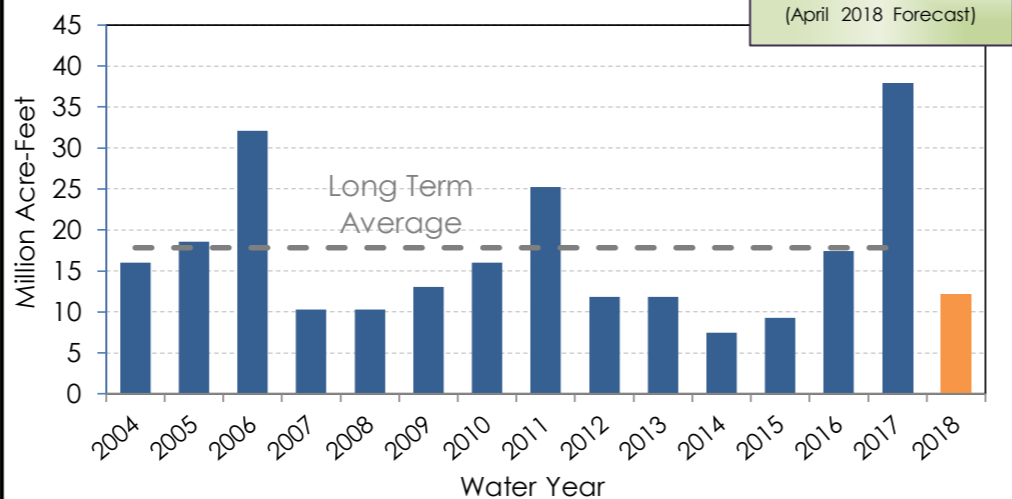
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	TBD
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

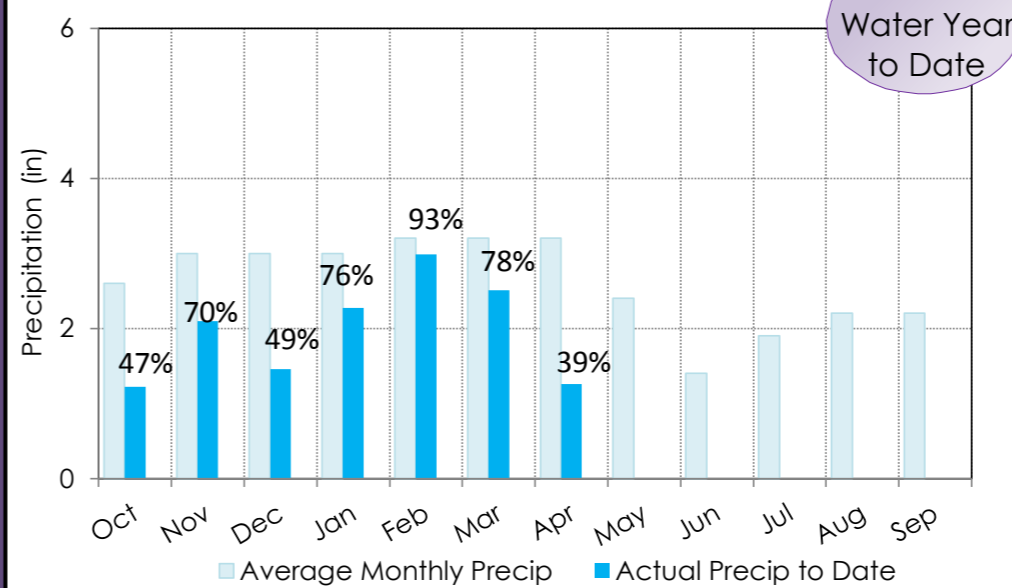
## Sacramento River Runoff



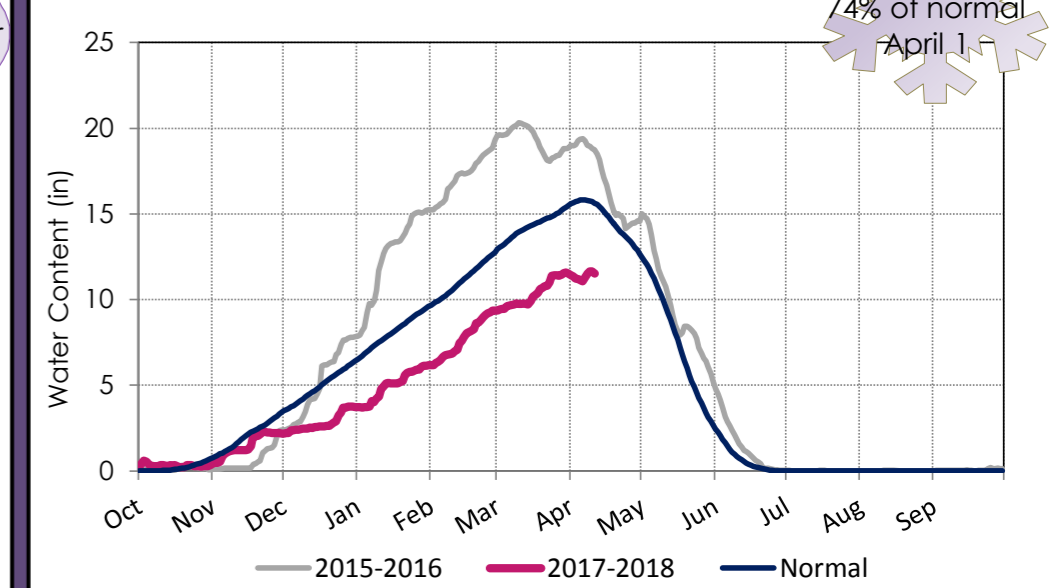
# Colorado River Resources

As of: 04/10/2018

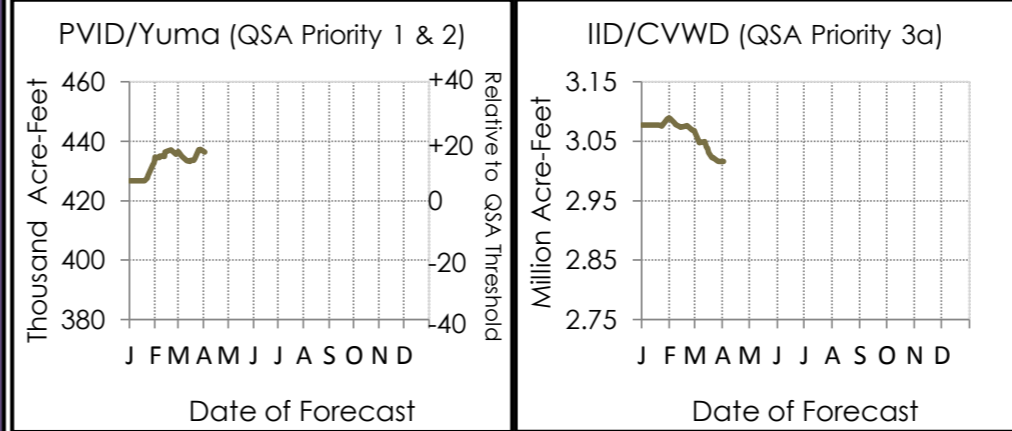
## Upper Colorado Basin Precip



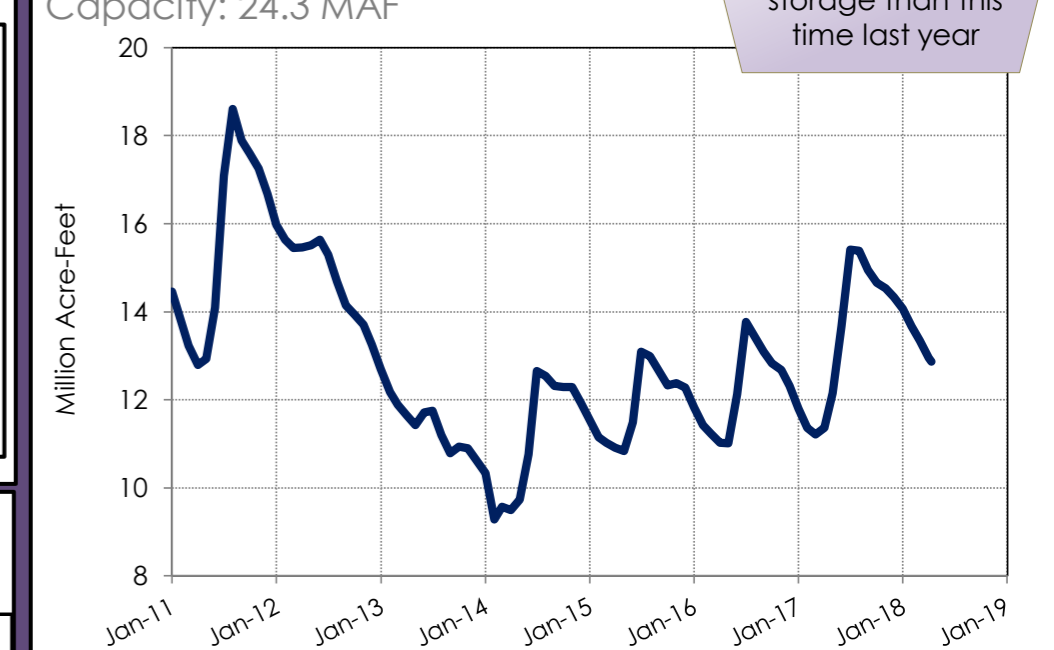
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

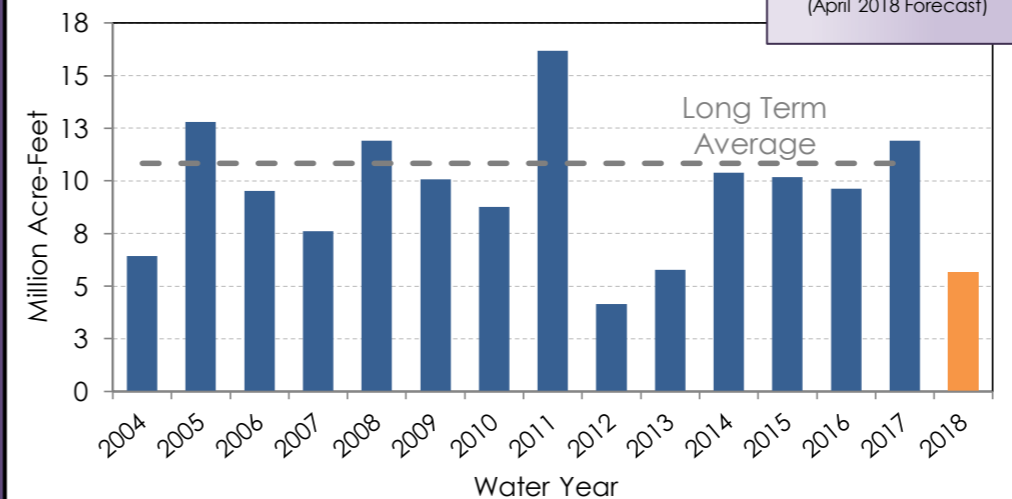


## Lake Mead Shortage/Surplus Outlook

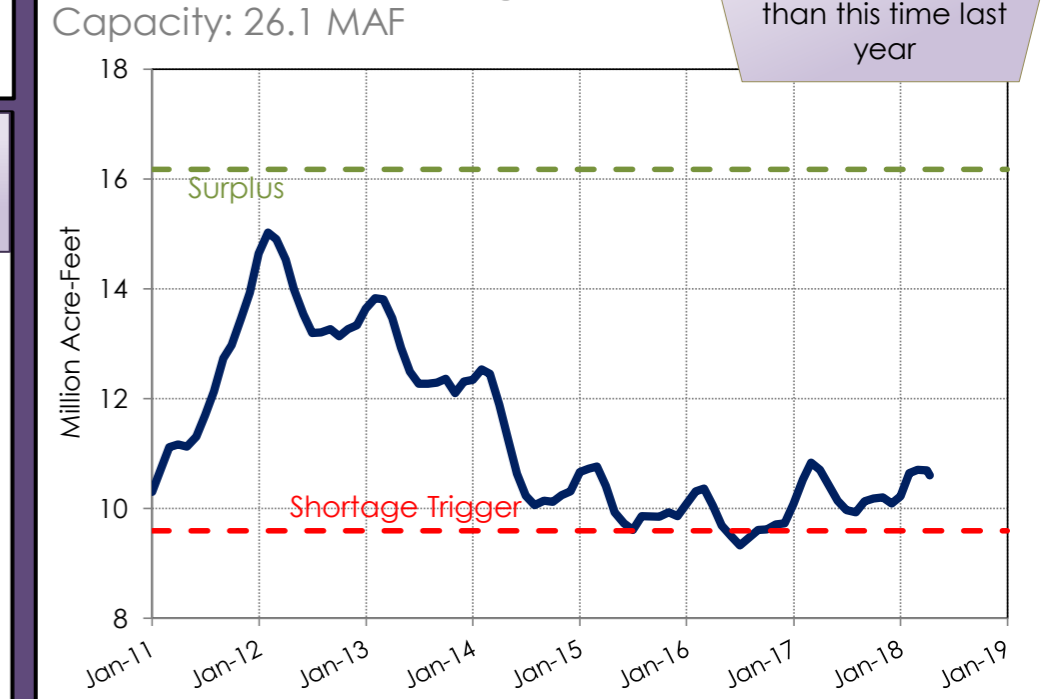
	2018	2019	2020	2021	2022
Shortage	0%	17%	49%	58%	63%
Surplus	0%	0%	1%	5%	8%

Likelihood based on results from the January 2018 USBR MTOM CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage

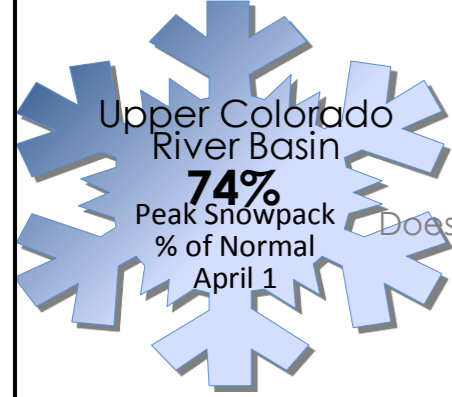




# Water Supply Conditions Report

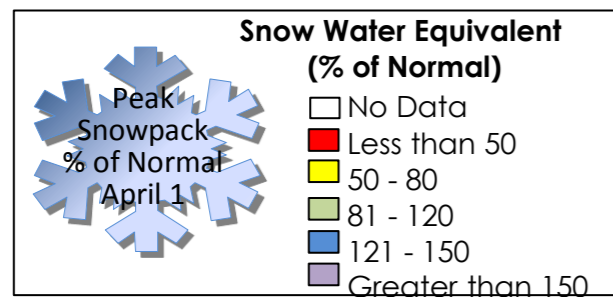
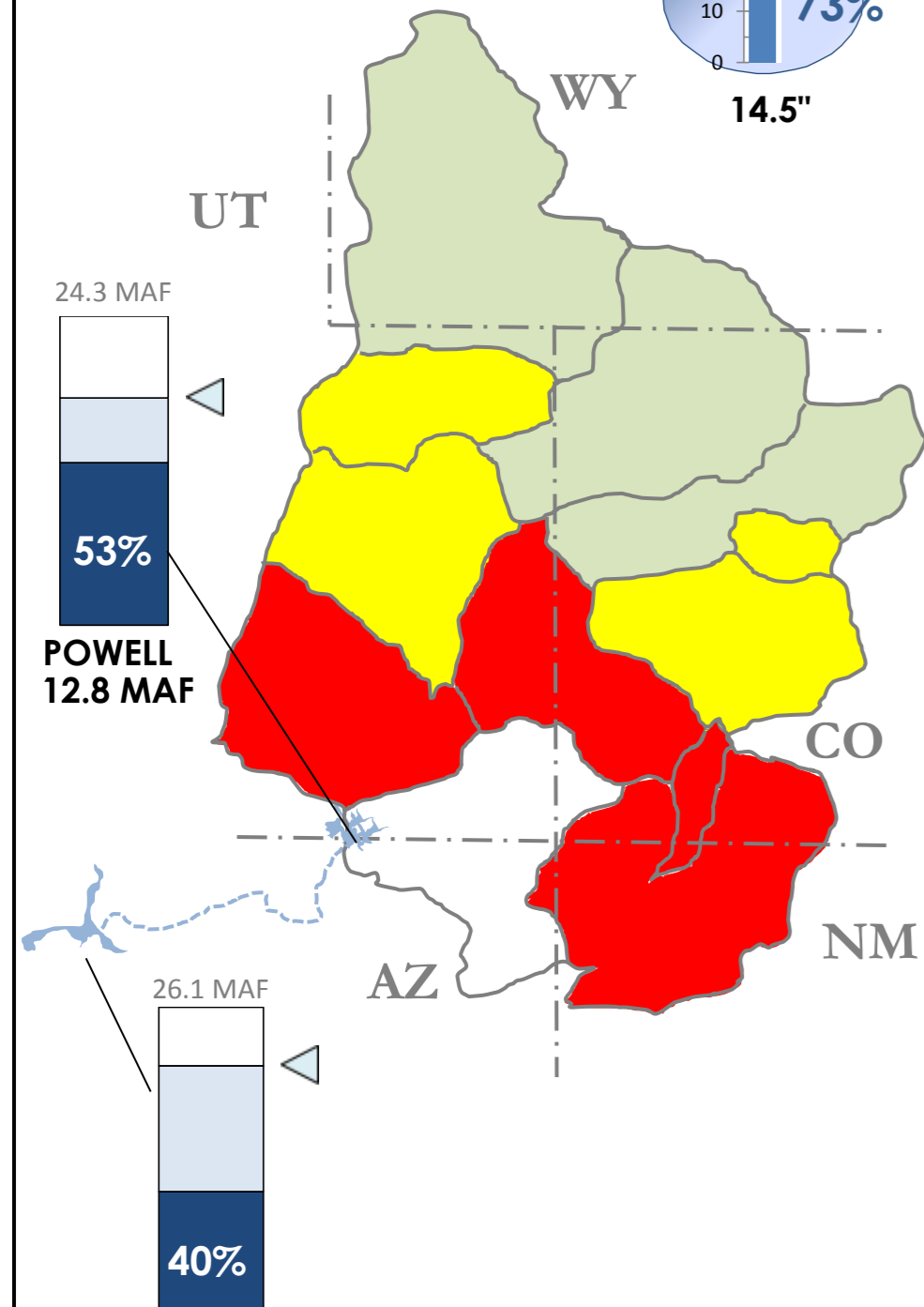
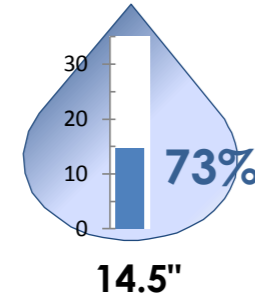
As of: 04/17/2018

## 2018 Colorado River



909,496 AF  
73% of full CRA

Does not include storage withdrawals

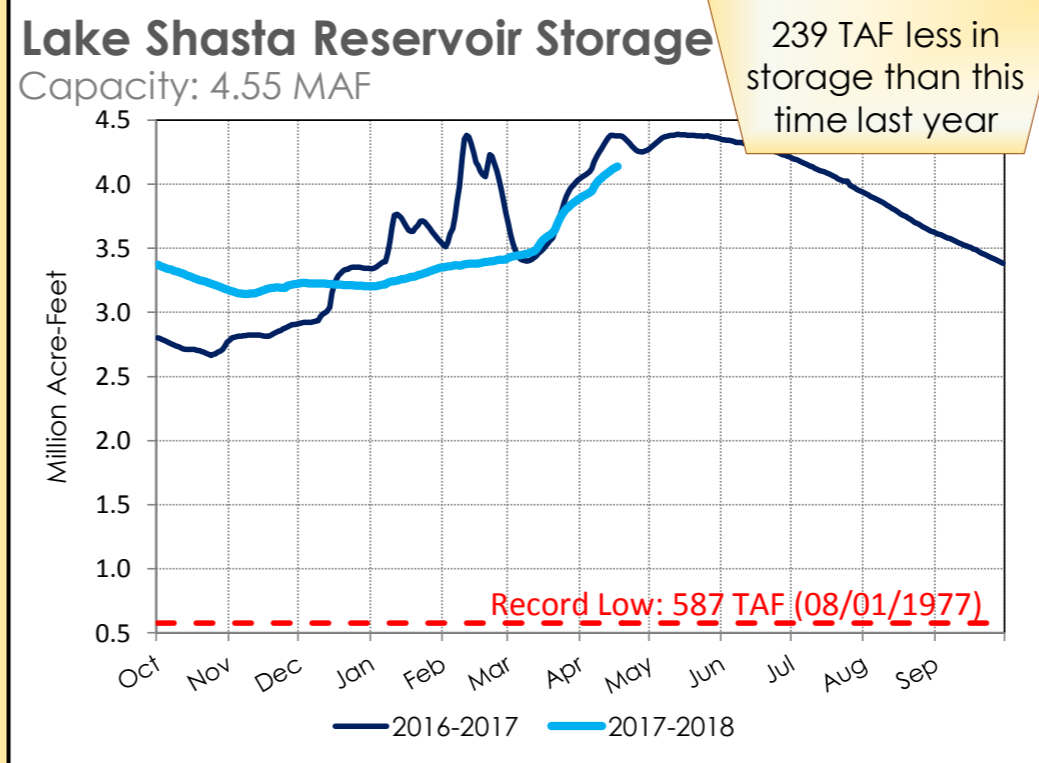
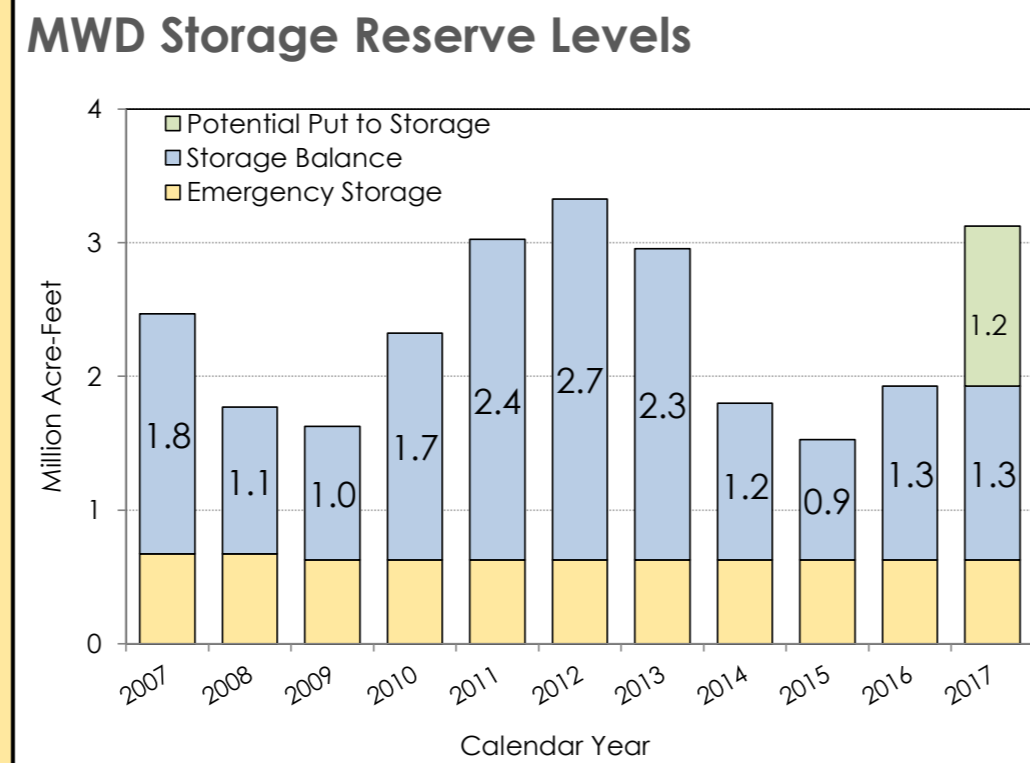
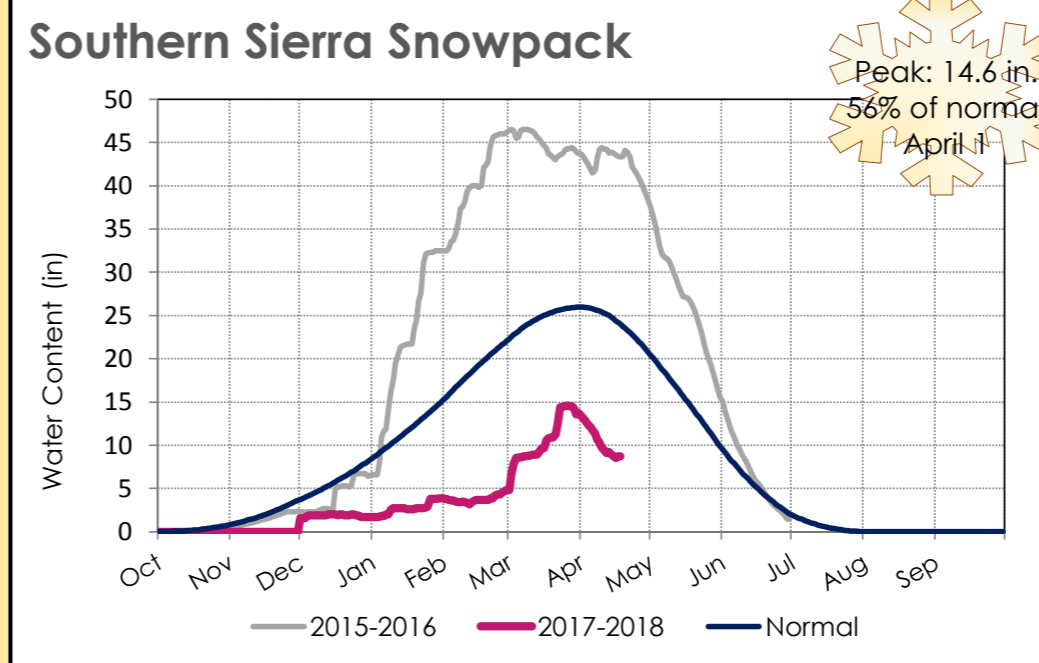
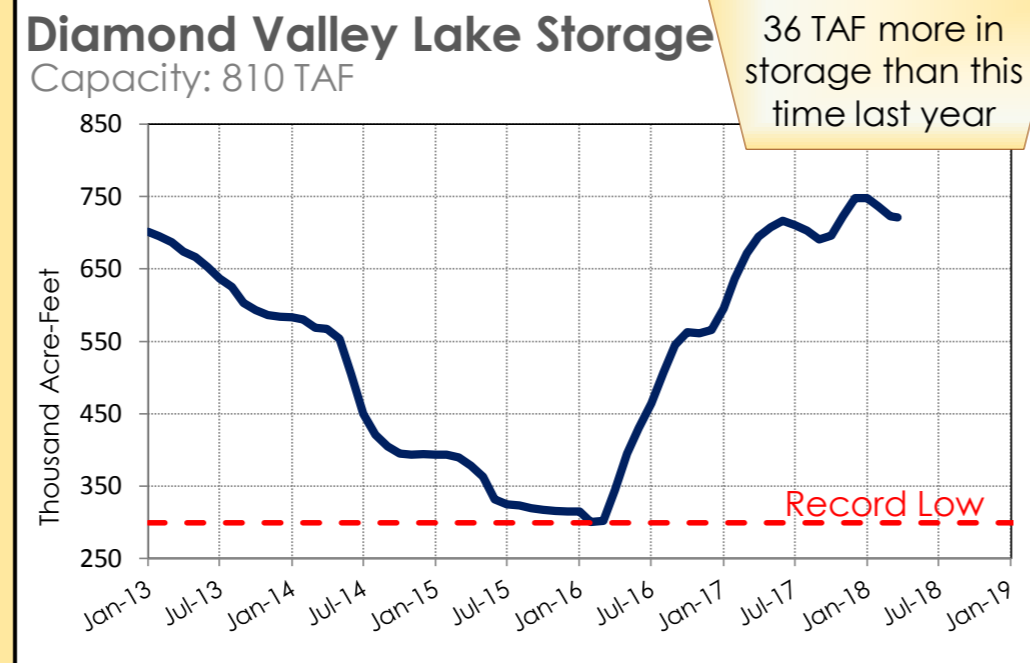


Turn page for more CRA Data

Flip Over for SWP Data

## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 68% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of normal



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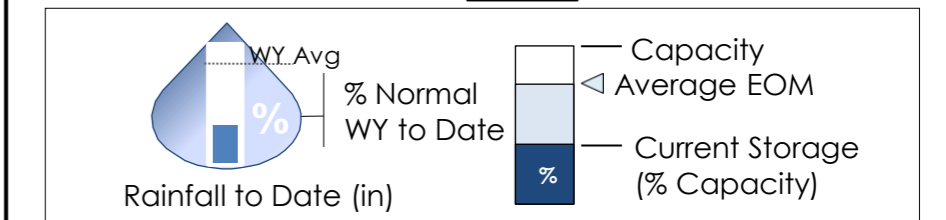
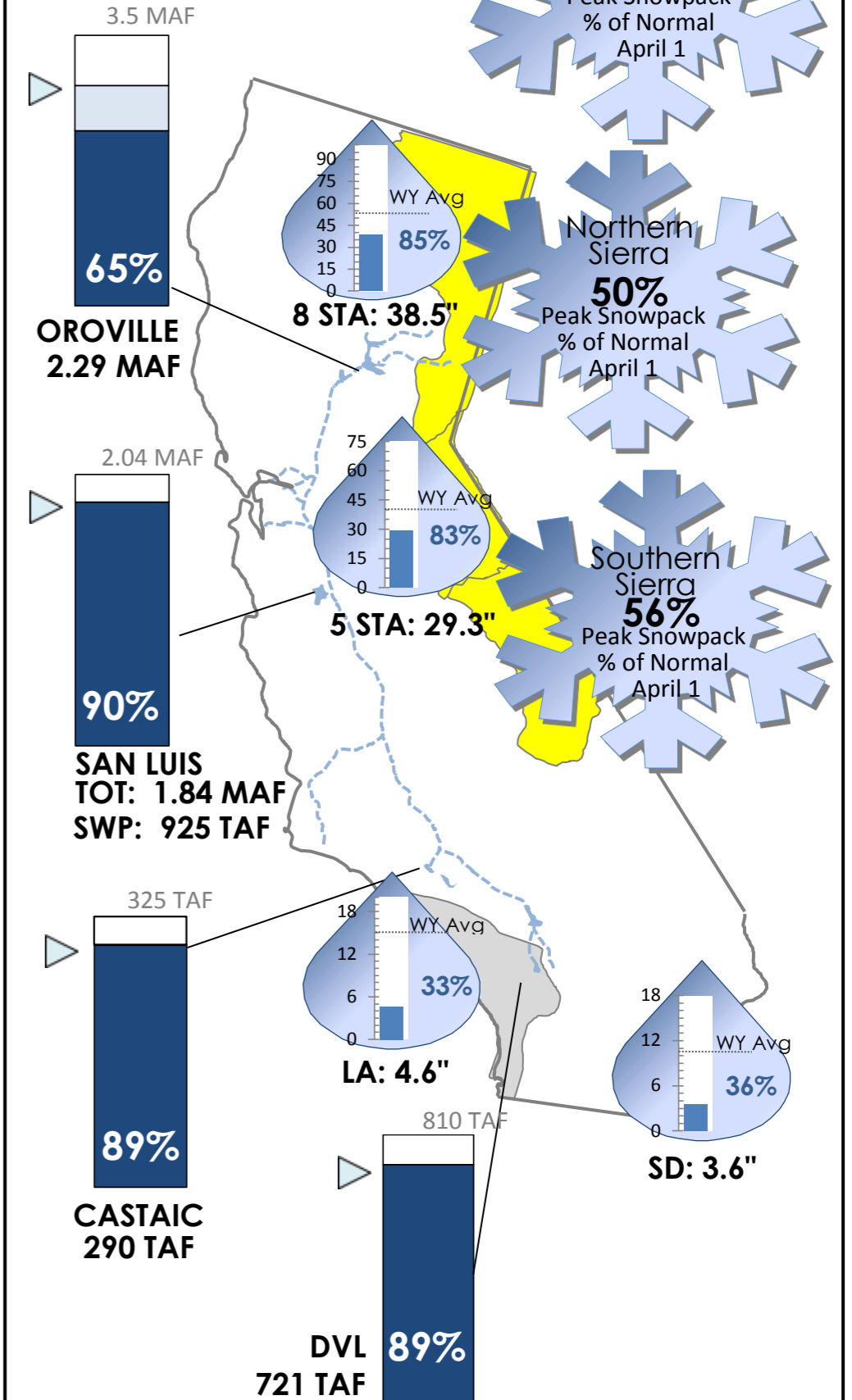


# Water Supply Conditions Report

As of: 04/17/2018

## 2018 SWP Allocation

382,300 AF  
20% of Table A



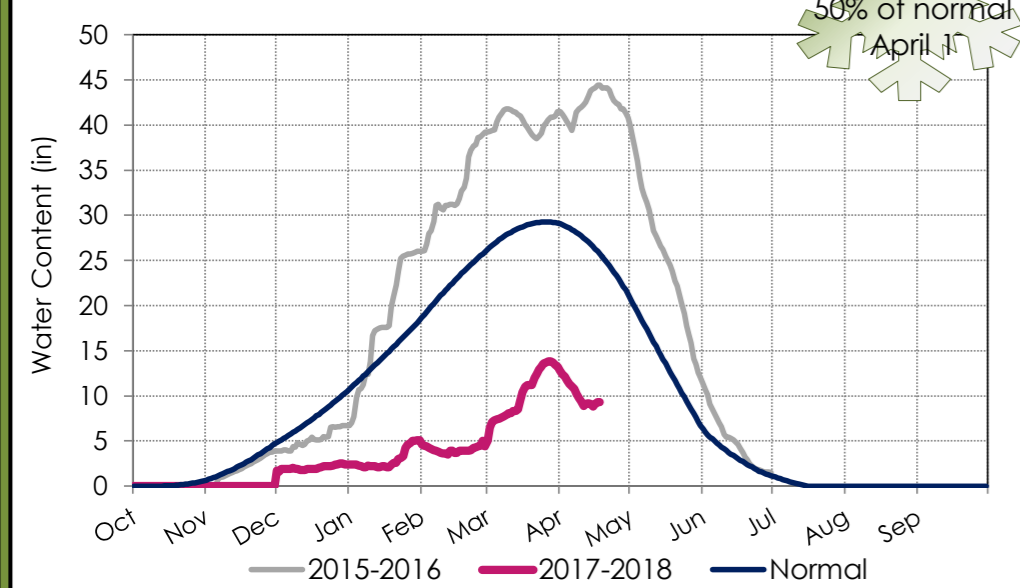
Flip Over for CRA Data

Turn page for more SWP Data

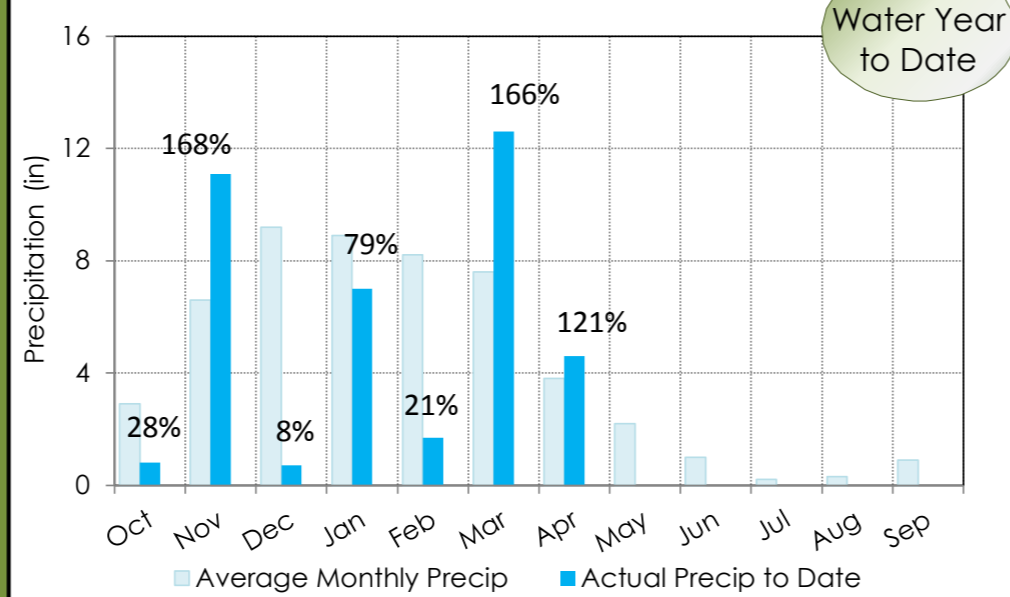
As of: 04/17/2018

# State Water Project Resources

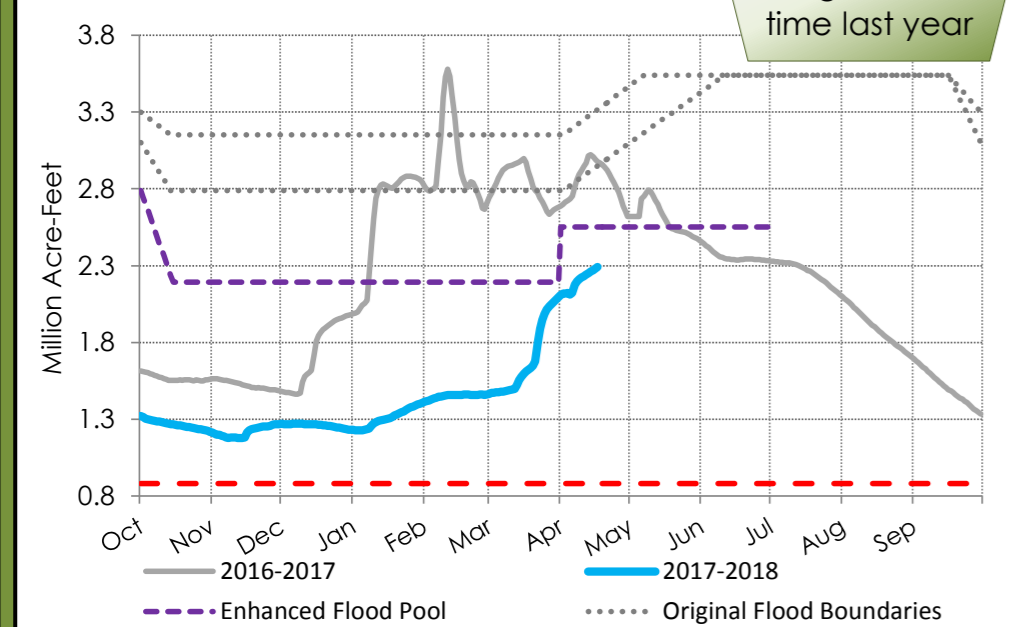
## Northern Sierra Snowpack



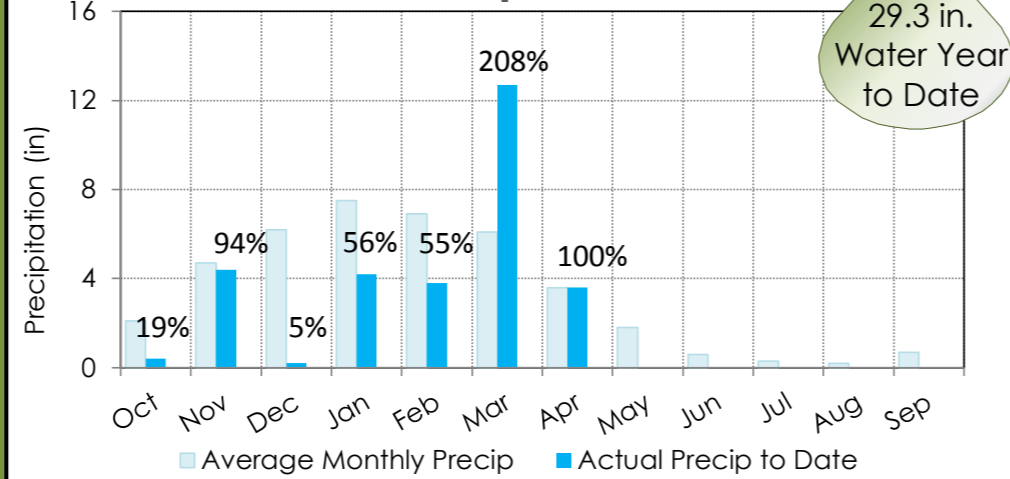
## 8 Station Index Precip



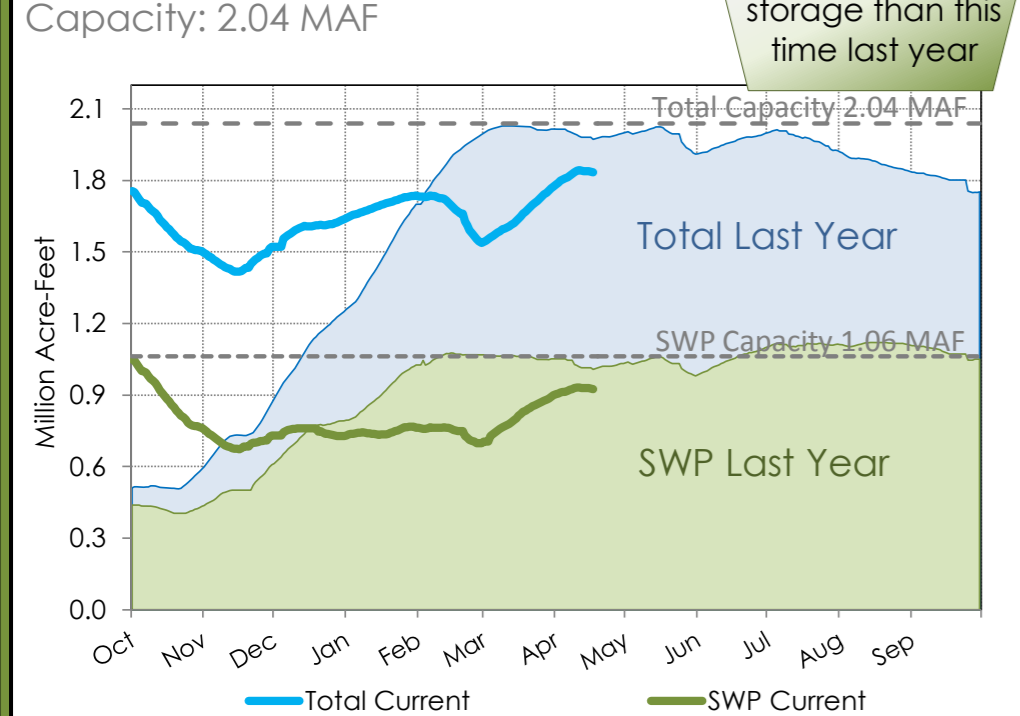
## Oroville Reservoir Storage



## 5 Station Index Precip



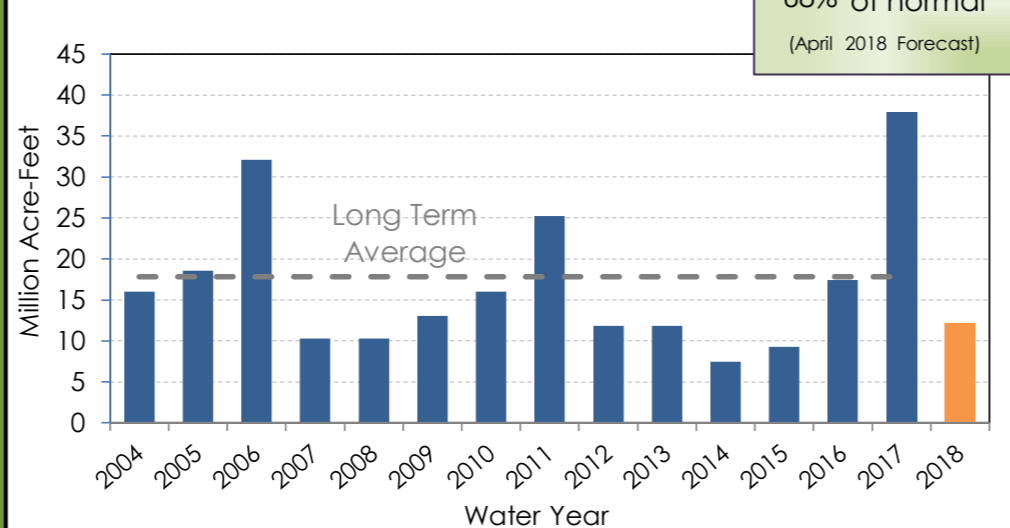
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	TBD
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

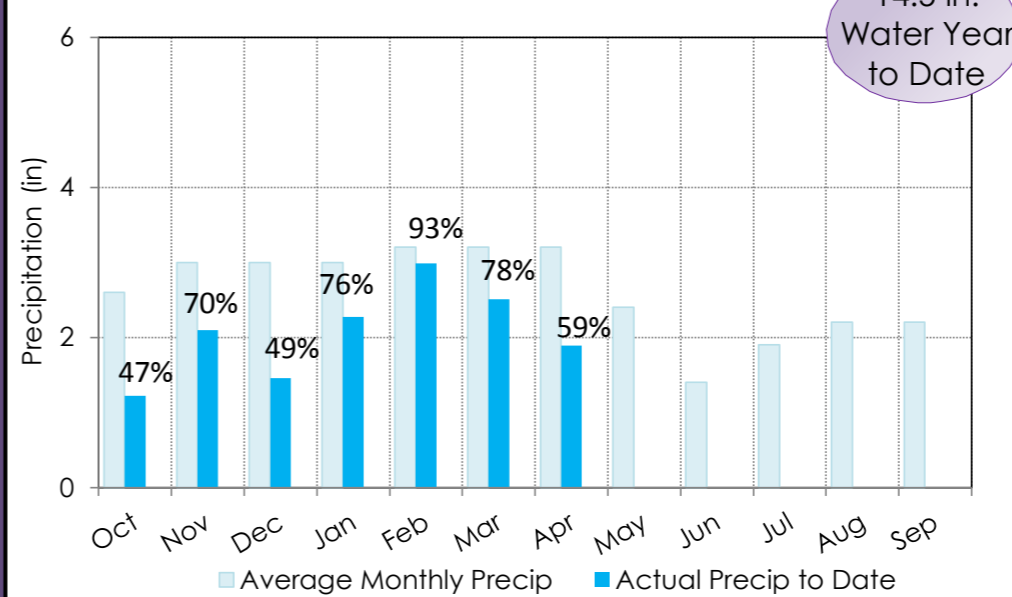
## Sacramento River Runoff



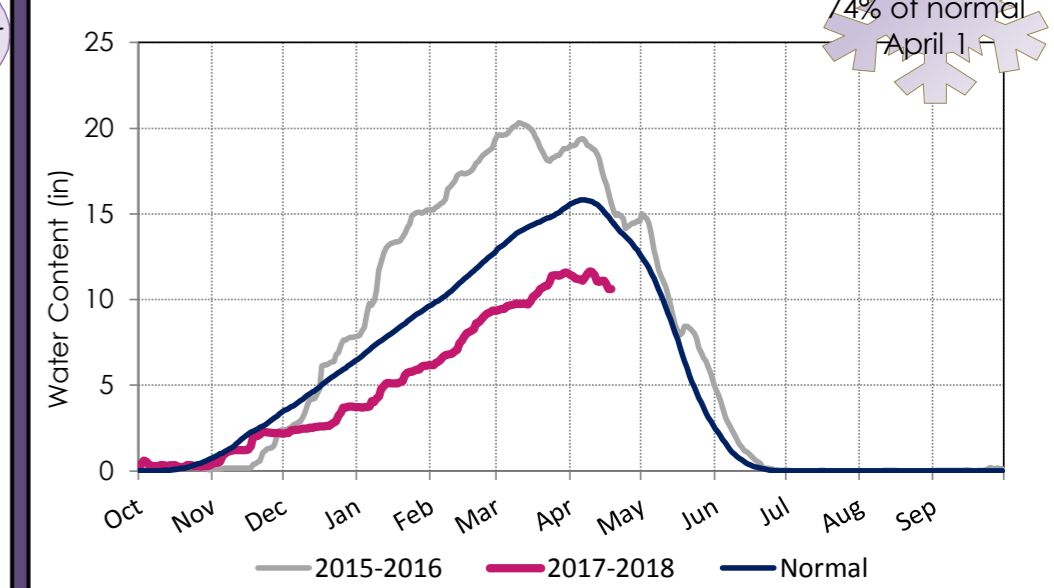
# Colorado River Resources

As of: 04/17/2018

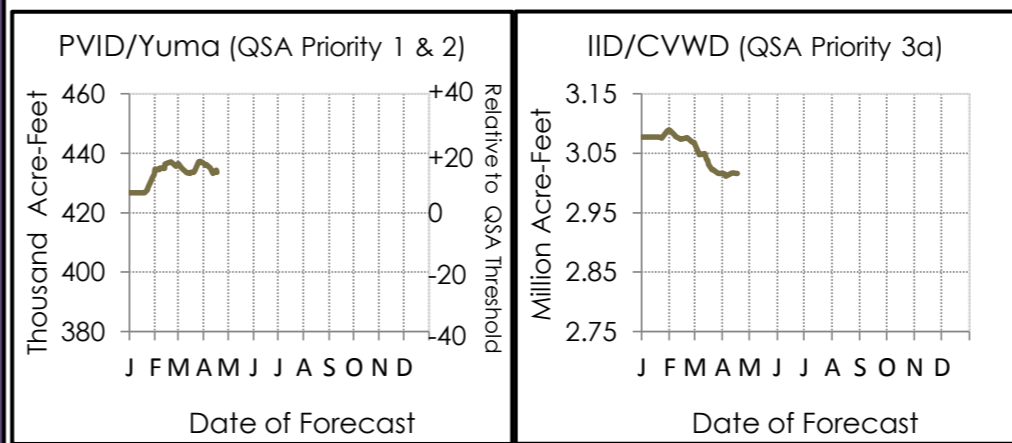
## Upper Colorado Basin Precip



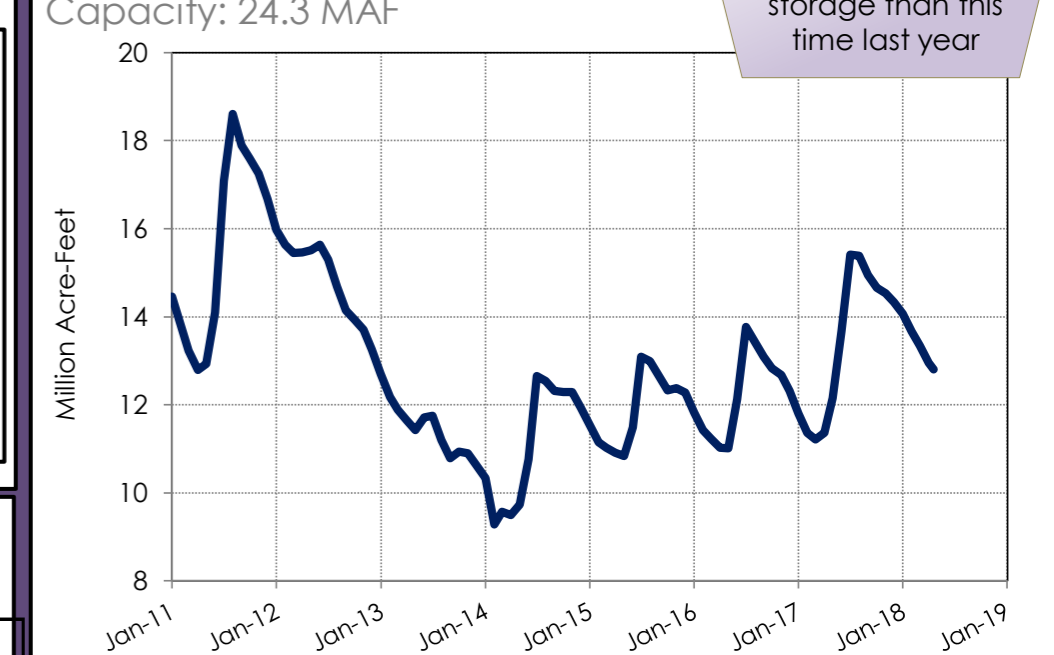
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

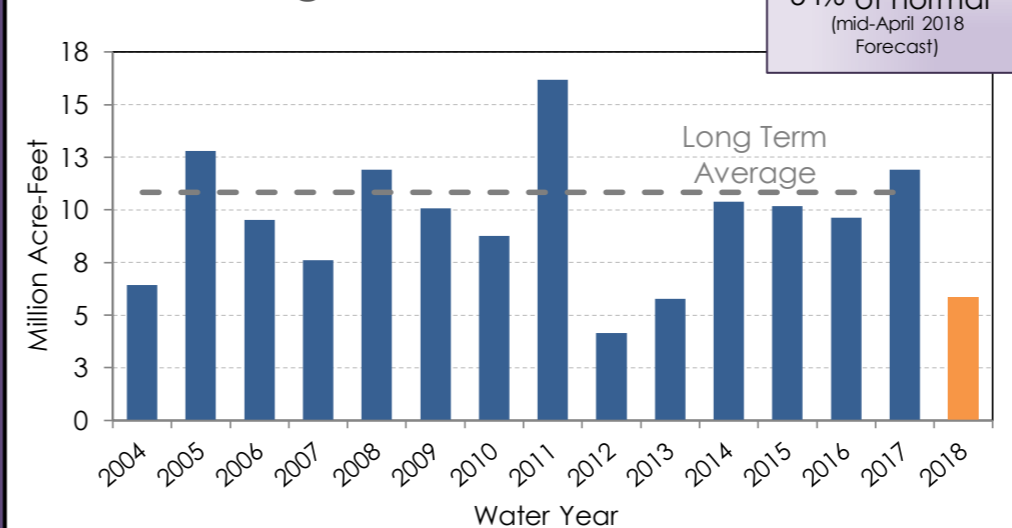


## Lake Mead Shortage/Surplus Outlook

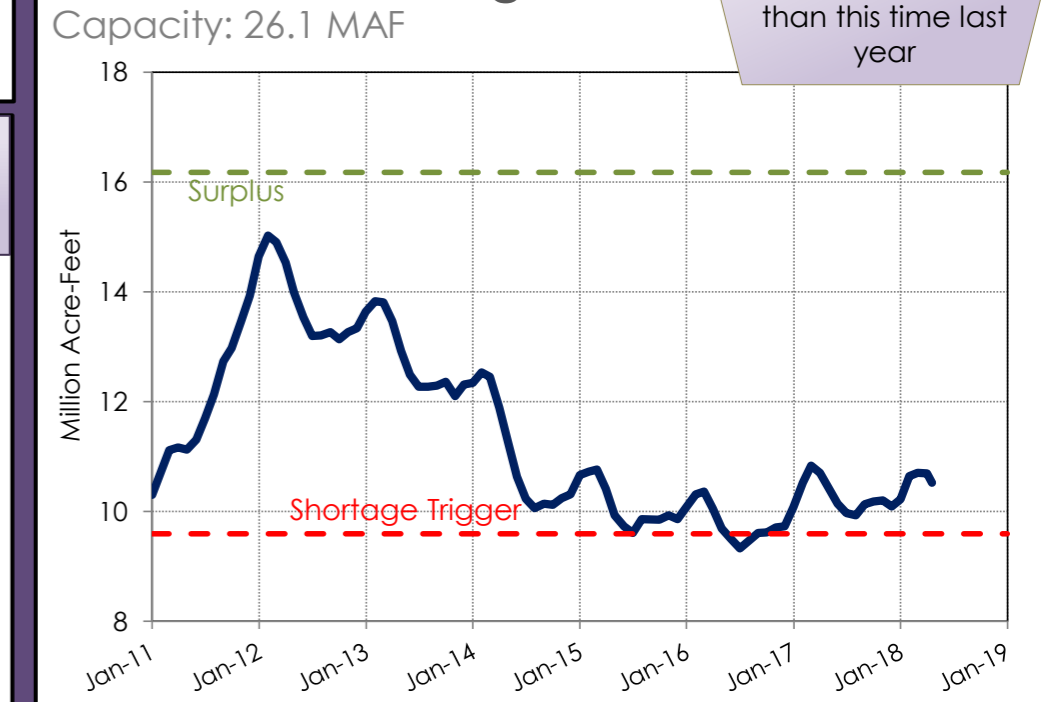
	2018	2019	2020	2021	2022
Shortage	0%	17%	49%	58%	63%
Surplus	0%	0%	1%	5%	8%

Likelihood based on results from the January 2018 USBR MTOM CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage

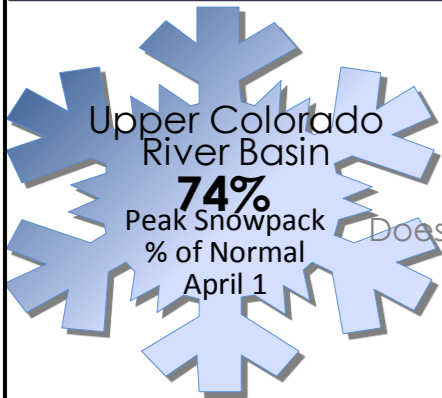




# Water Supply Conditions Report

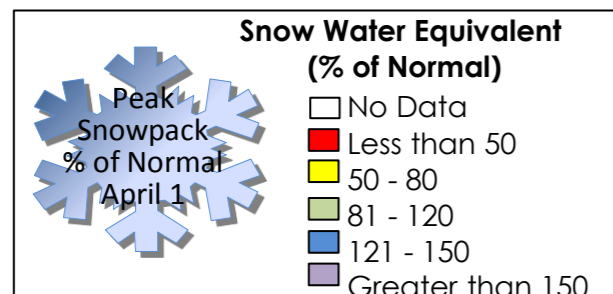
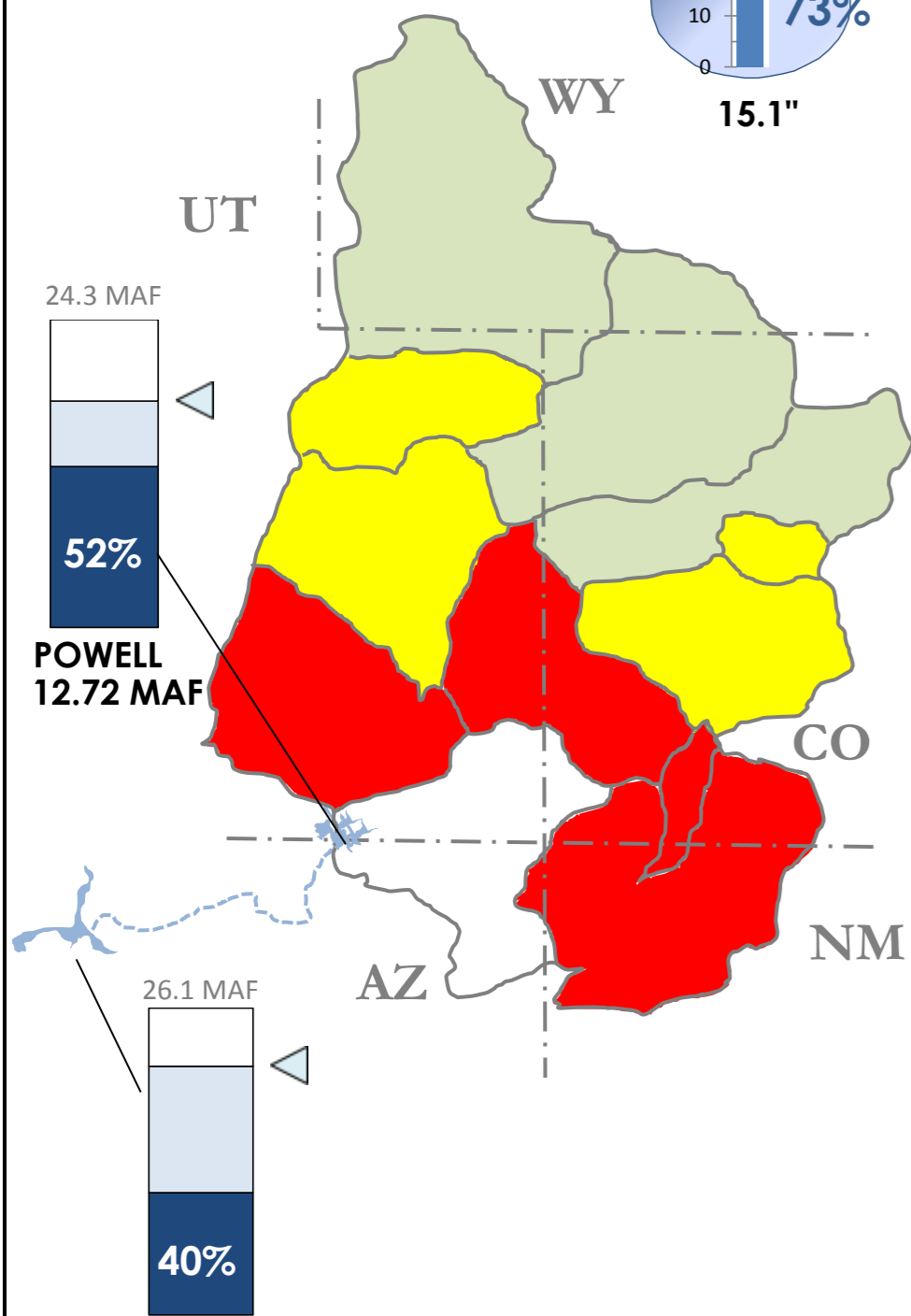
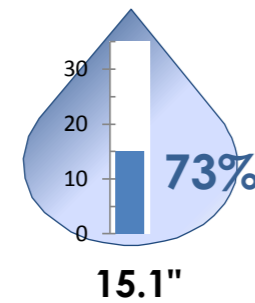
As of: 04/25/2018

## 2018 Colorado River



904,556 AF  
72% of full CRA

Does not include storage withdrawals



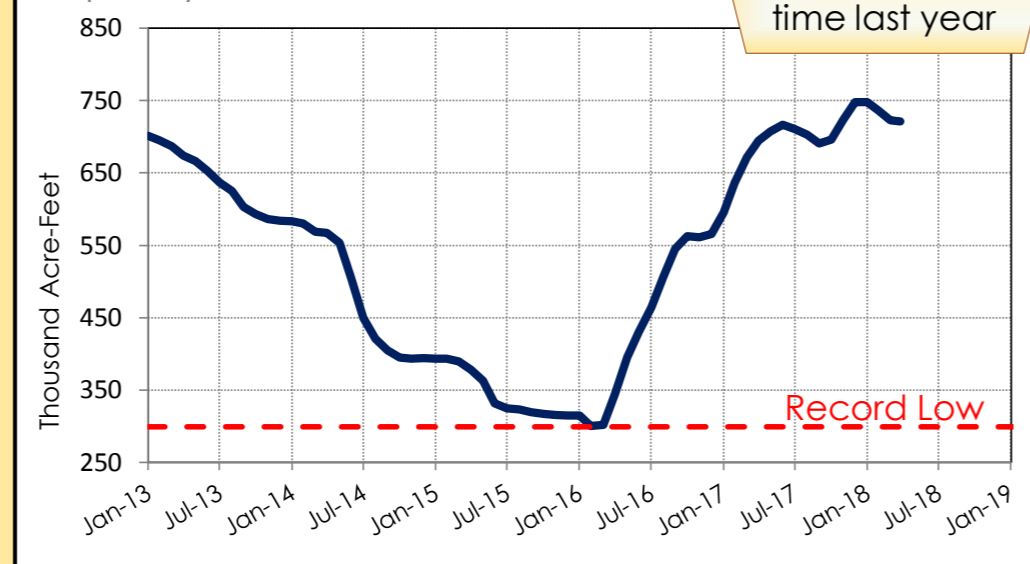
Turn page for more CRA Data

Flip Over for SWP Data

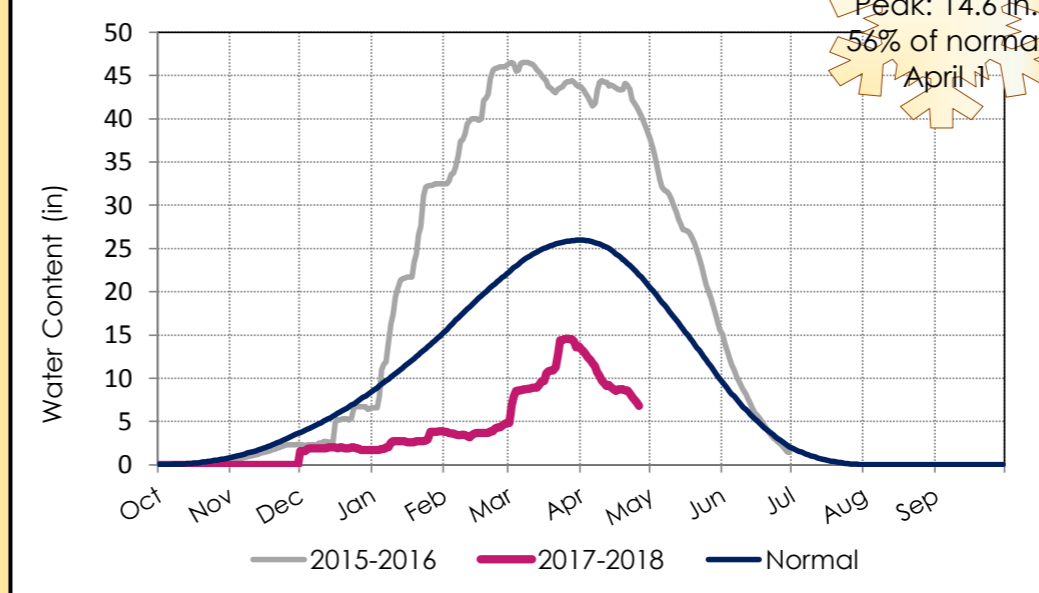
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 68% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of normal
- Lake Powell inflow forecast is at 54% of normal

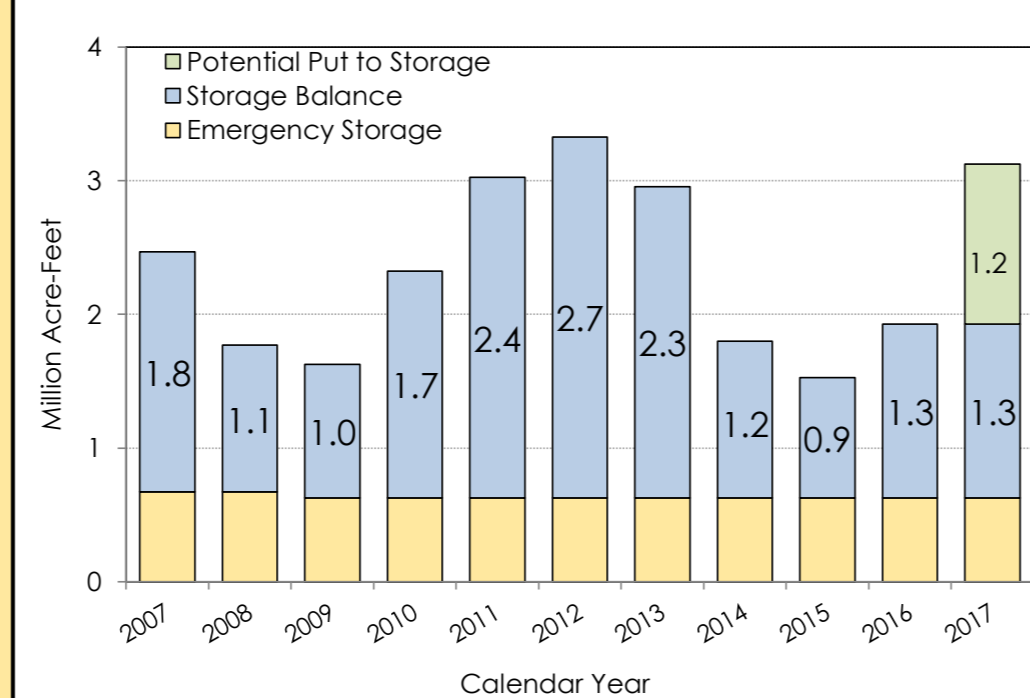
## Diamond Valley Lake Storage



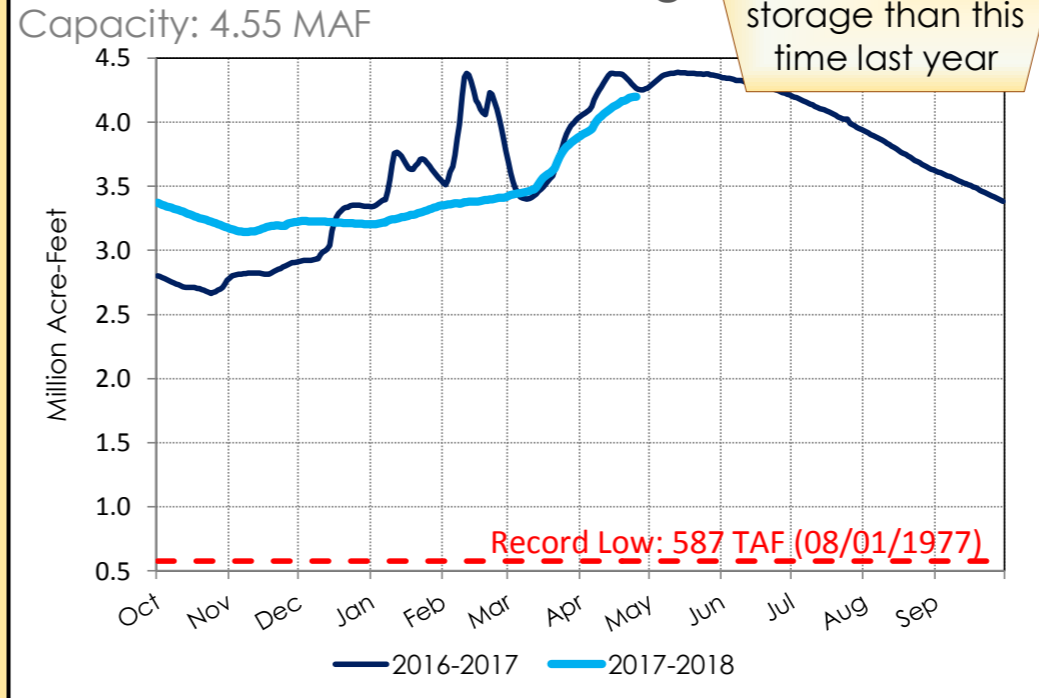
## Southern Sierra Snowpack



## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage



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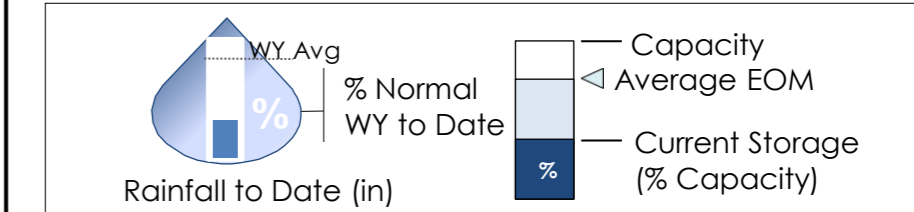
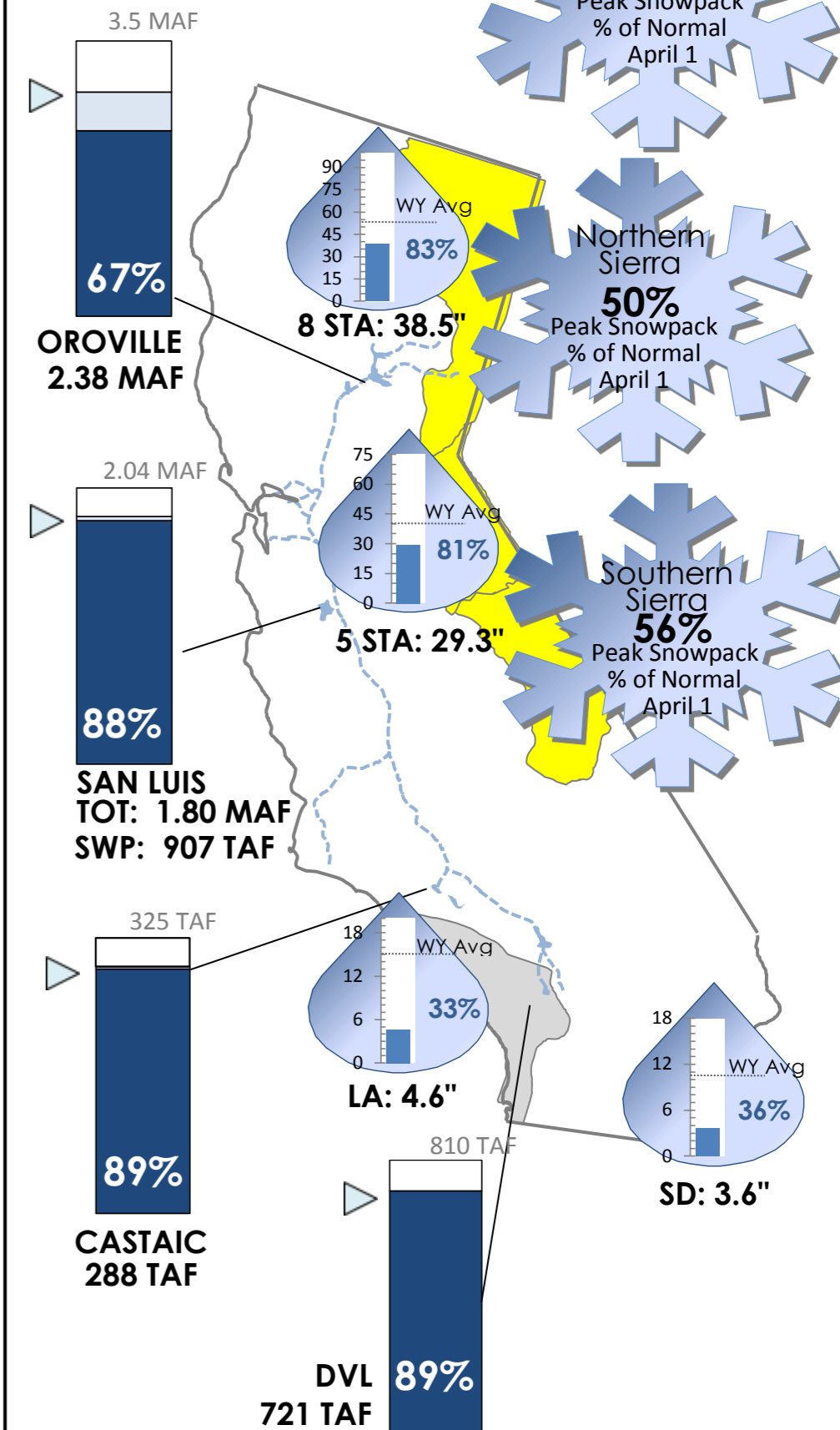


# Water Supply Conditions Report

As of: 04/25/2018

## 2018 SWP Allocation

573,450 AF  
30% of Table A



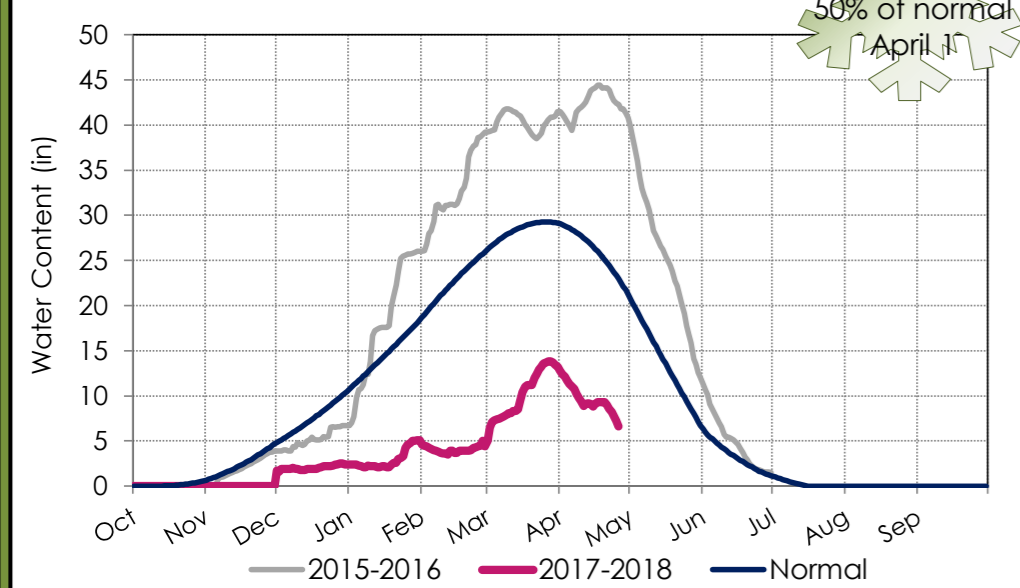
Flip Over for CRA Data

Turn page for more SWP Data

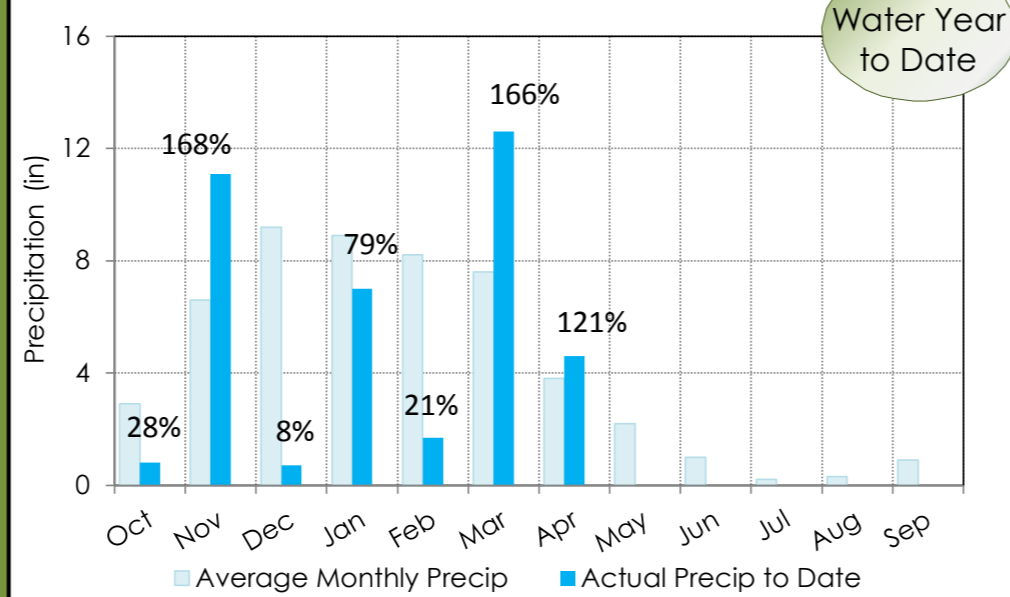
As of: 04/25/2018

# State Water Project Resources

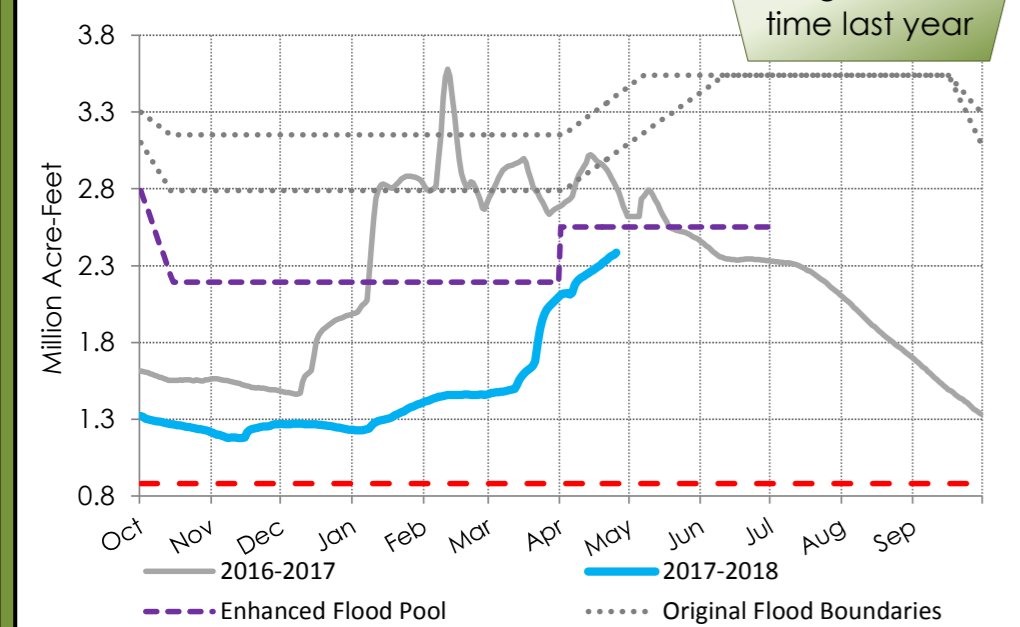
## Northern Sierra Snowpack



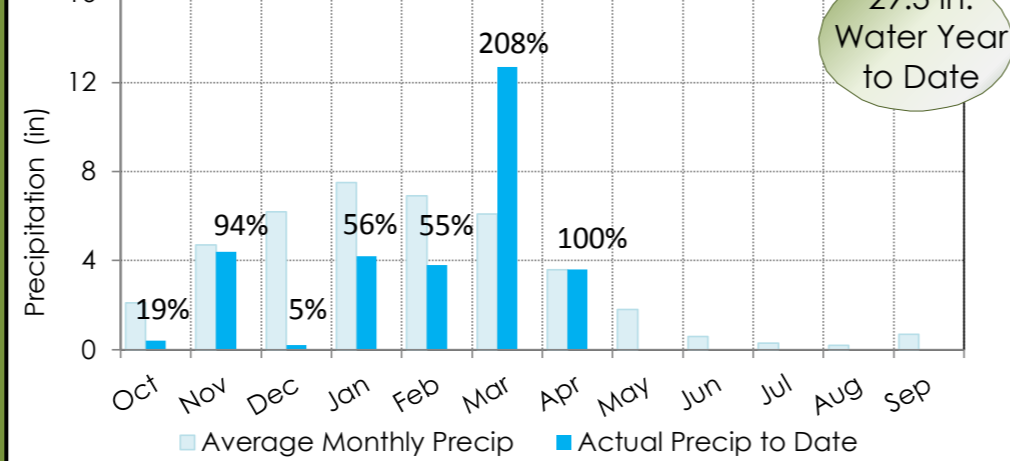
## 8 Station Index Precip



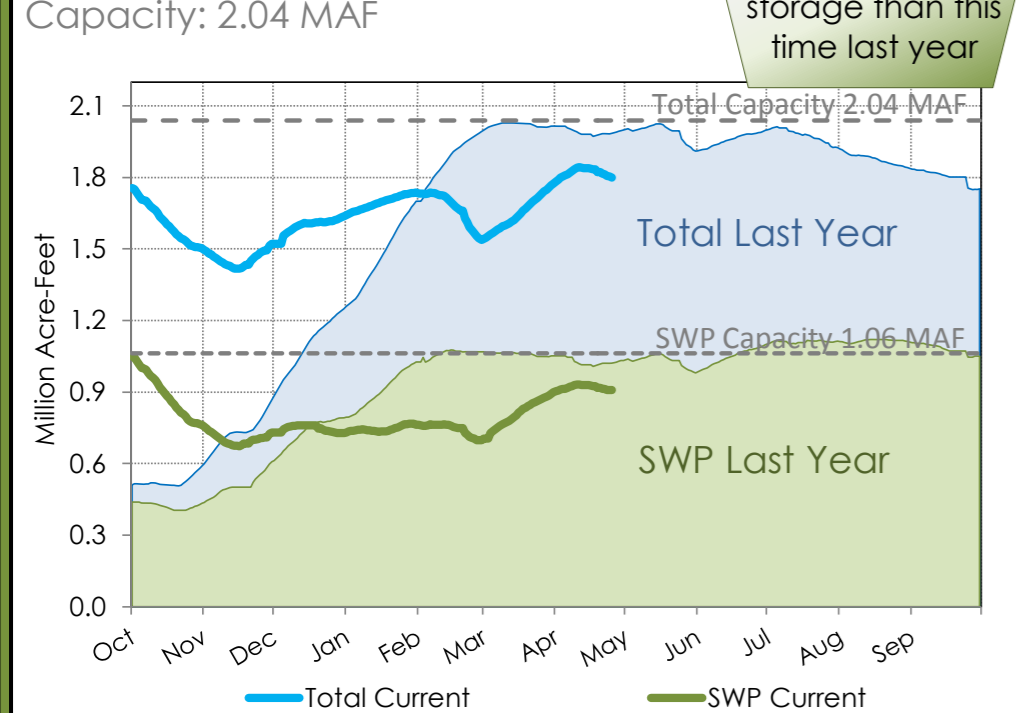
## Oroville Reservoir Storage



## 5 Station Index Precip



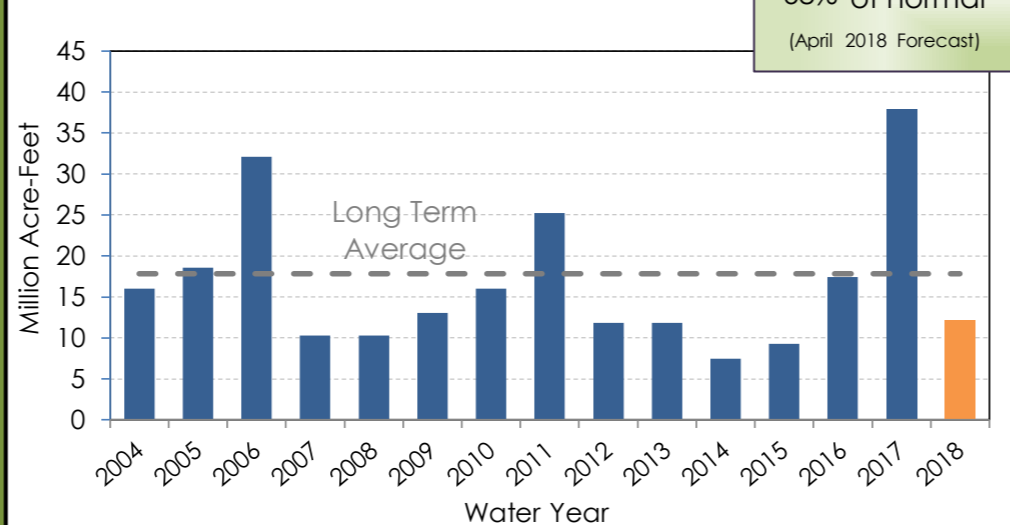
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	13,500
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

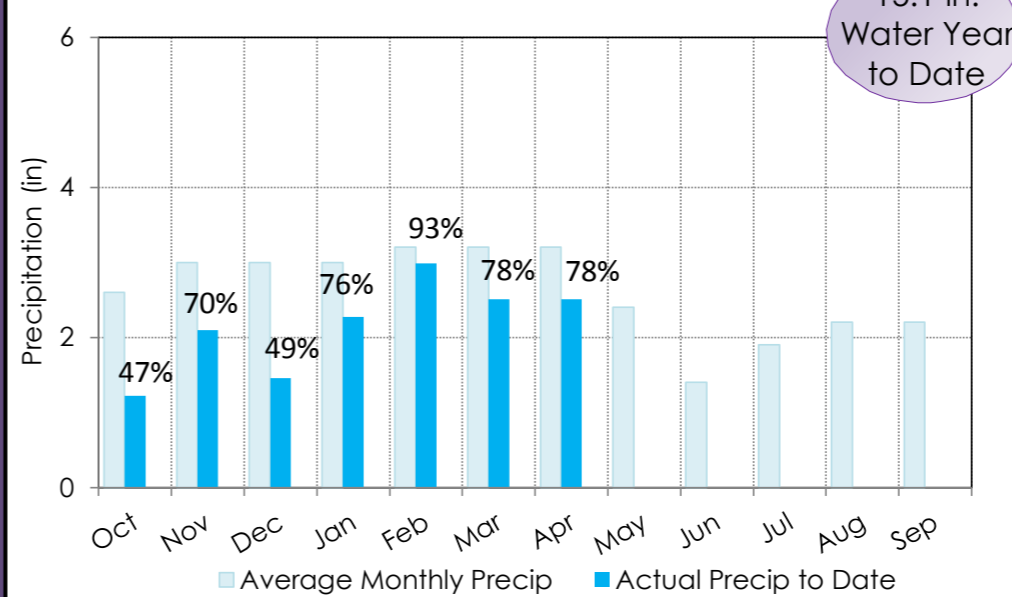
## Sacramento River Runoff



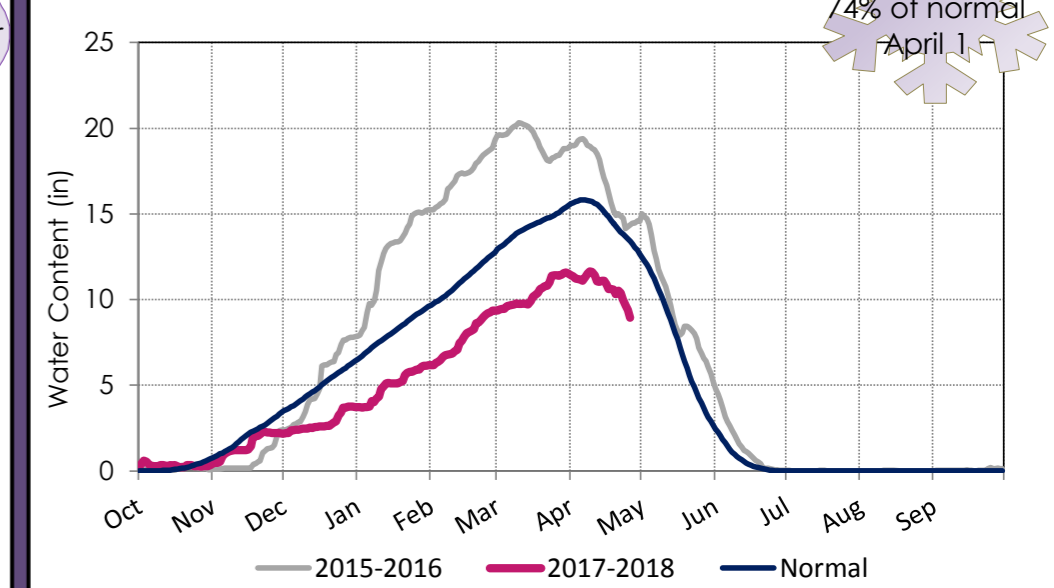
# Colorado River Resources

As of: 04/25/2018

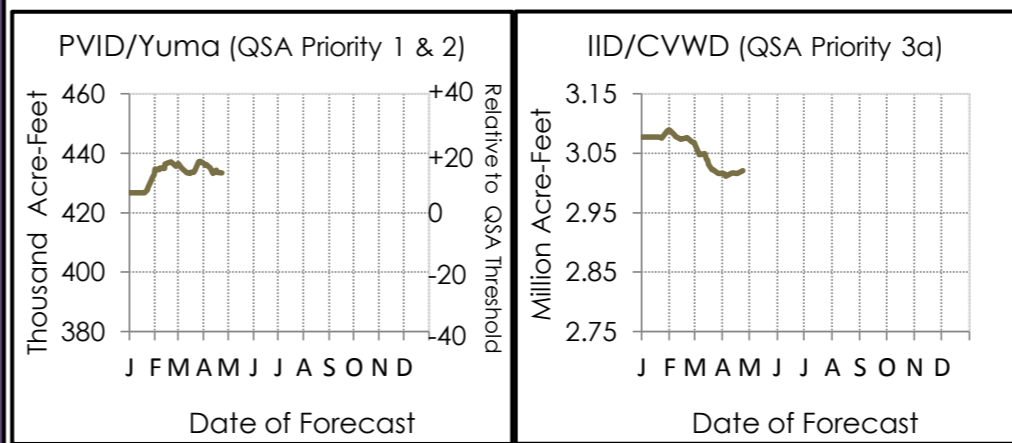
## Upper Colorado Basin Precip



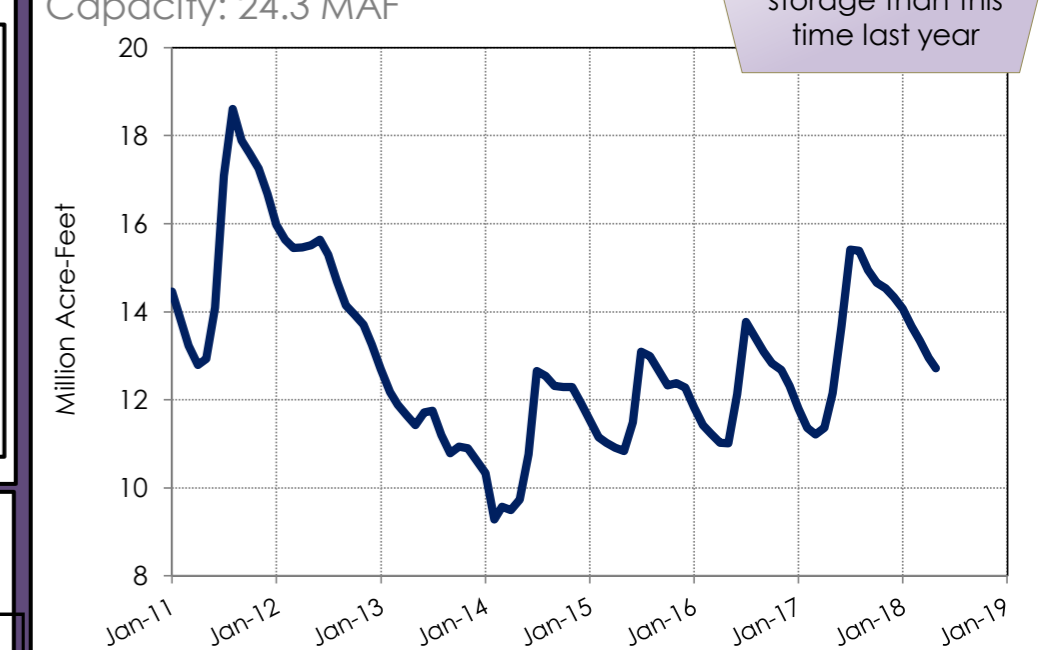
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

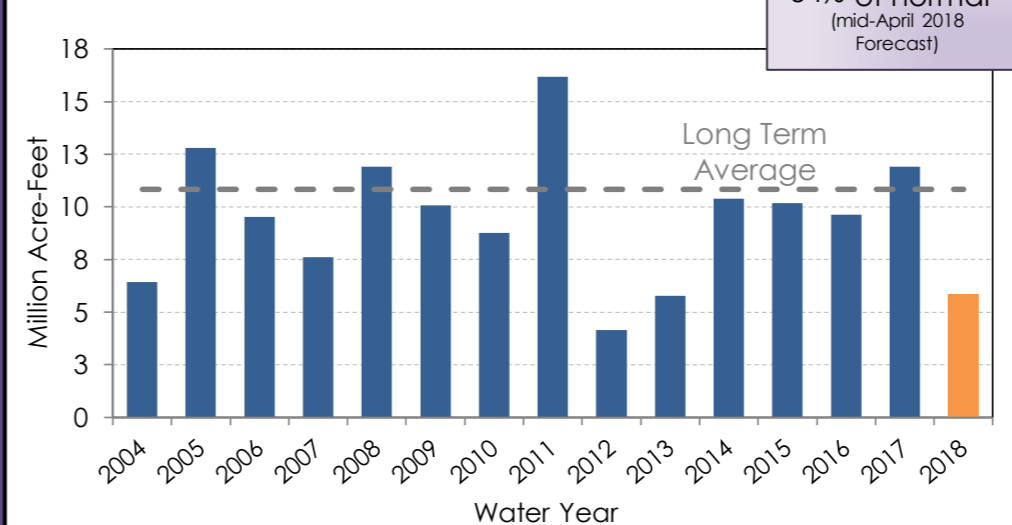


## Lake Mead Shortage/Surplus Outlook

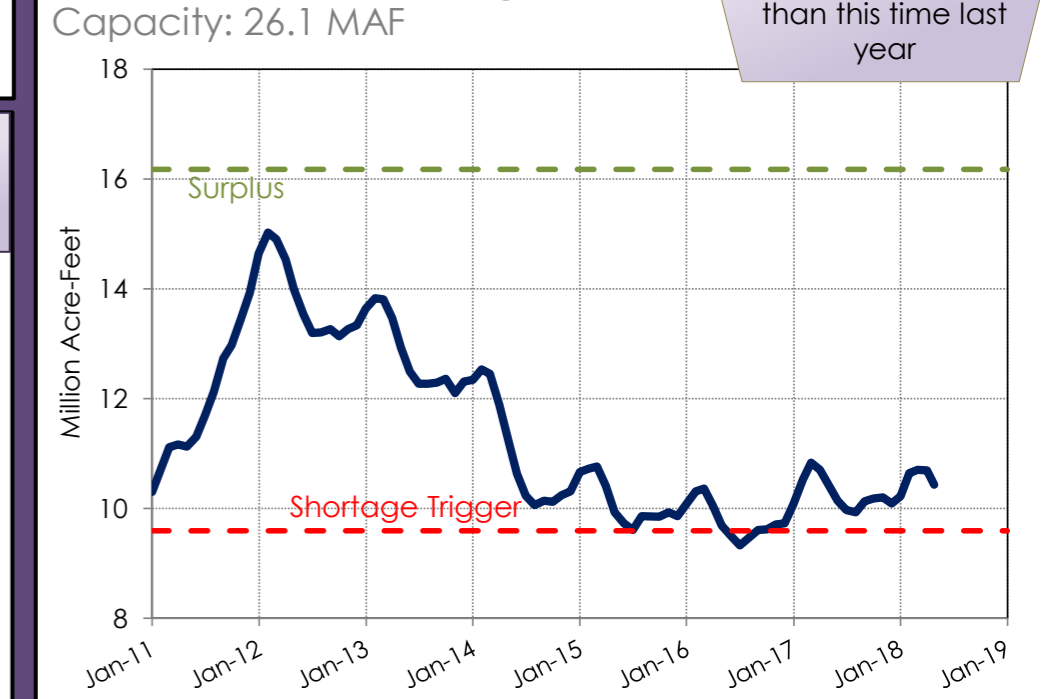
	2018	2019	2020	2021	2022
Shortage	0%	17%	49%	58%	63%
Surplus	0%	0%	1%	5%	8%

Likelihood based on results from the January 2018 USBR MTOM CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage



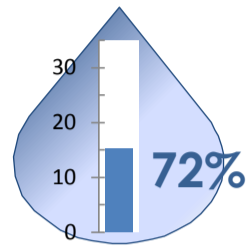


# Water Supply Conditions Report

As of: 04/30/2018

## 2018 Colorado River

904,556 AF  
72% of full CRA  
Does not include storage withdrawals



15.2"

Upper Colorado River Basin  
74% Peak Snowpack % of Normal April 1

54% Runoff Forecast (WY)

24.3 MAF

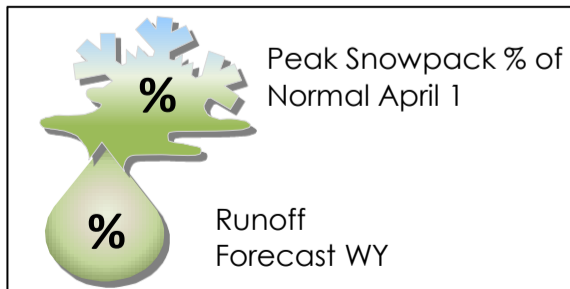
52%

POWELL  
12.67 MAF

26.1 MAF

40%

MEAD  
10.39 MAF  
1084.49 FT



Turn page for more CRA Data

Flip Over for SWP

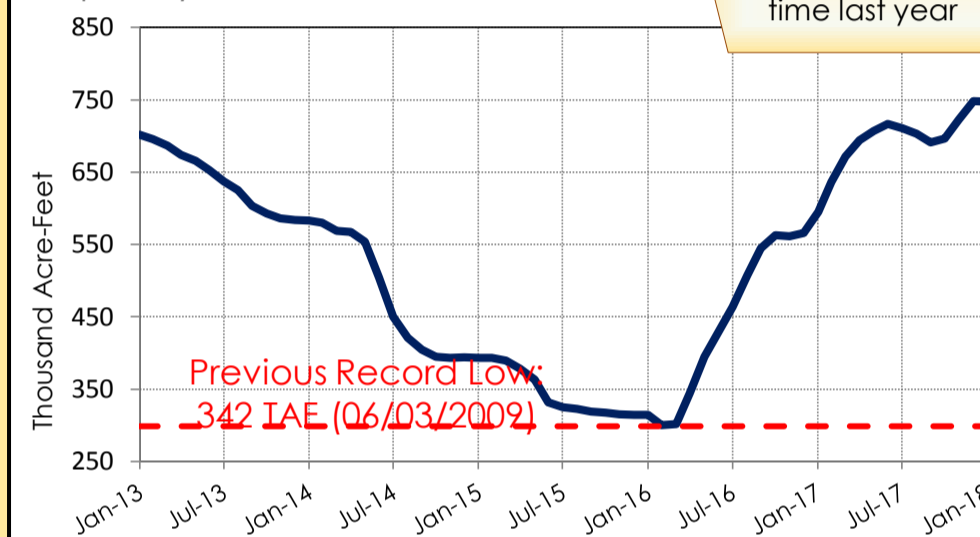
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
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- Lake Powell inflow forecast is at 54% of normal

## Diamond Valley Lake Storage

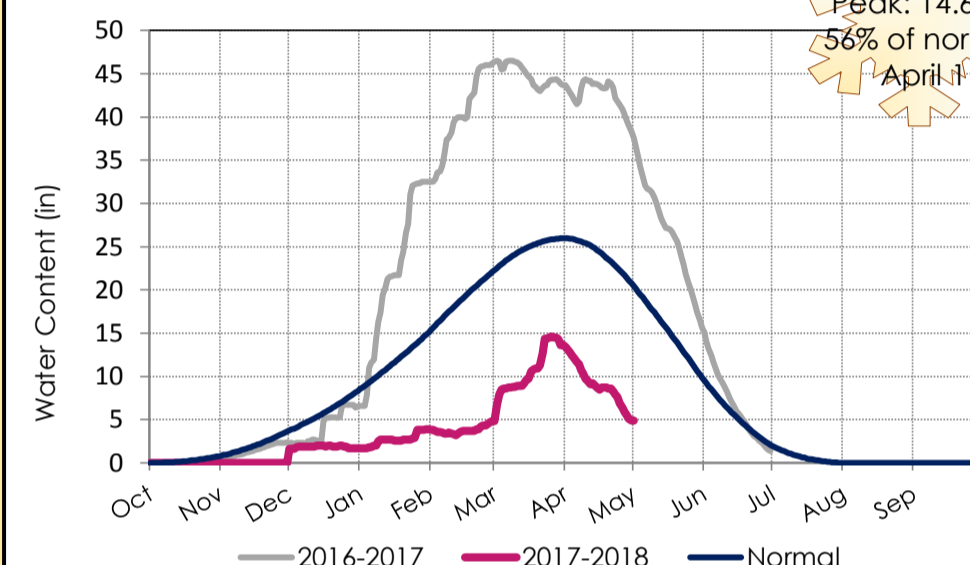
Capacity: 810 TAF

26 TAF more in storage than this time last year

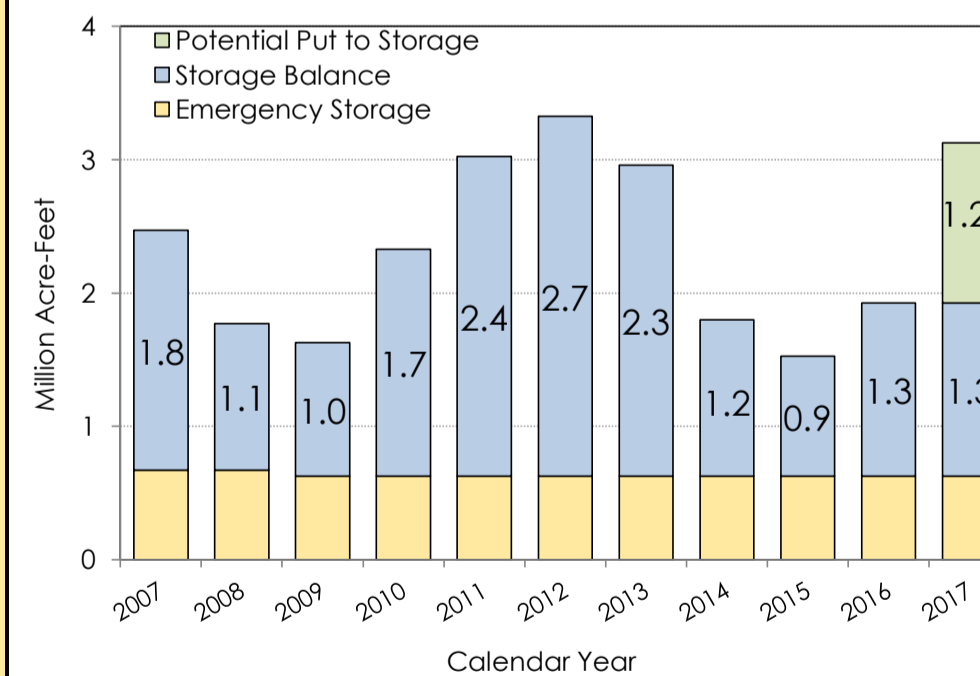


## Southern Sierra Snowpack

Peak: 14.6 in.  
56% of normal April 1



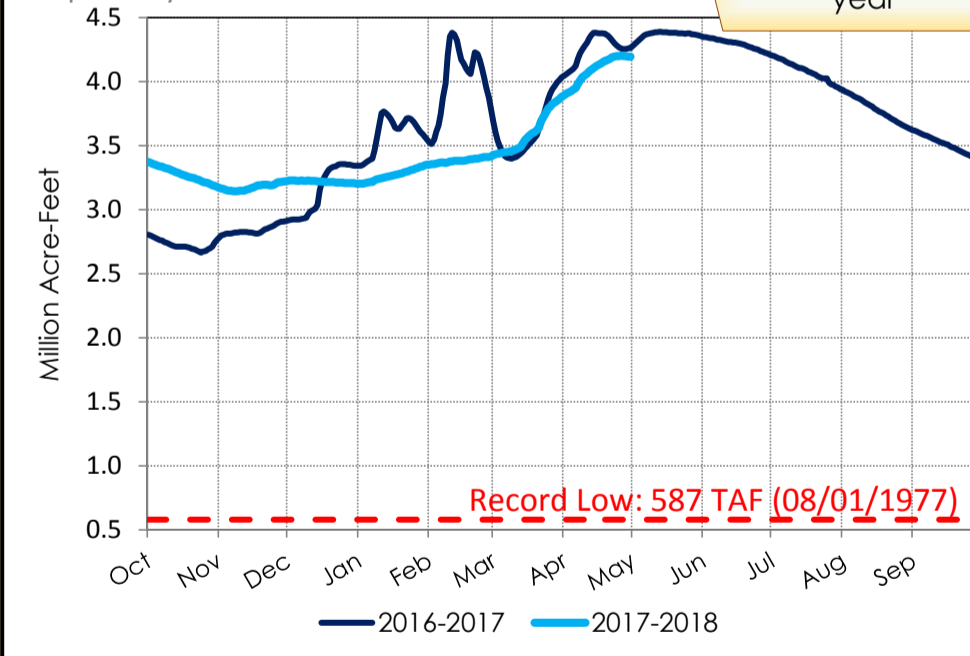
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

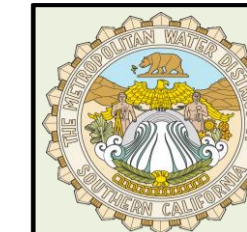
68 TAF less in storage than this time last year



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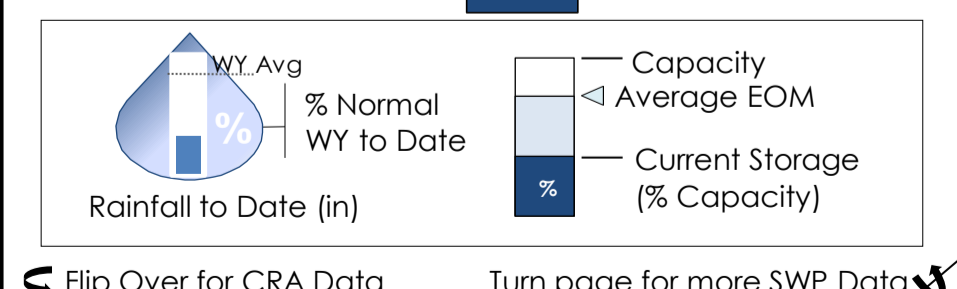
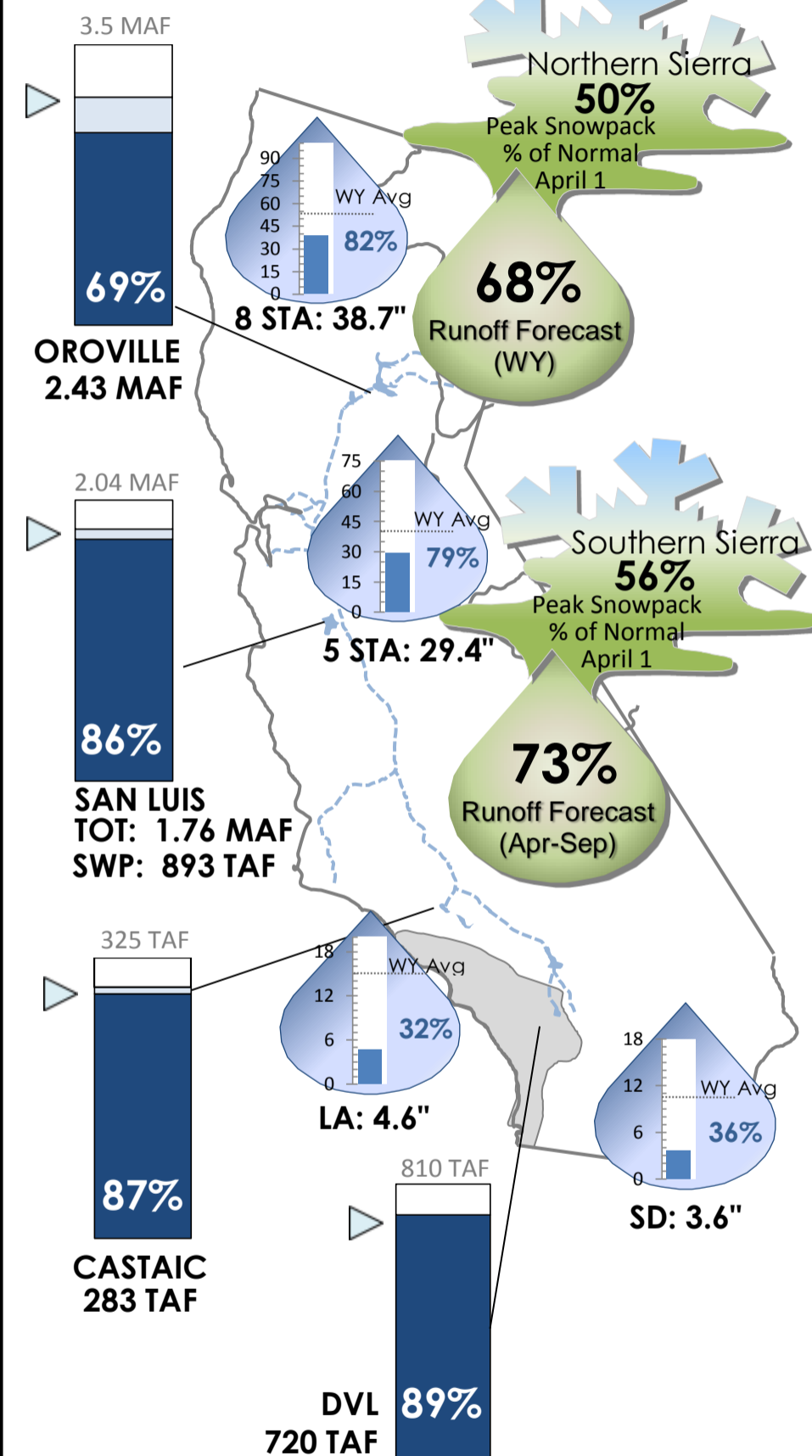


# Water Supply Conditions Report

As of: 04/30/2018

## 2018 SWP Allocation

573,450 AF  
30% of Table A



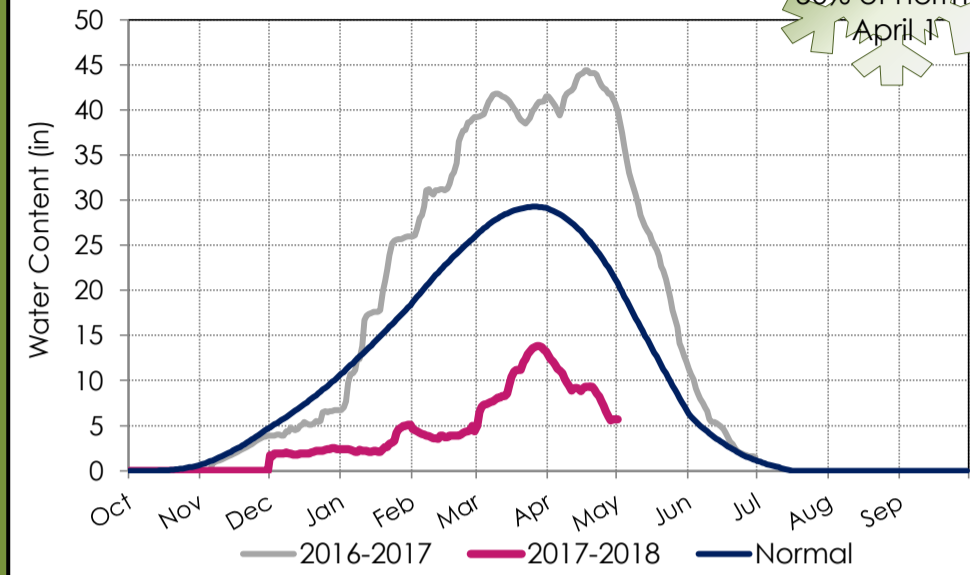
Flip Over for CRA Data

Turn page for more SWP Data

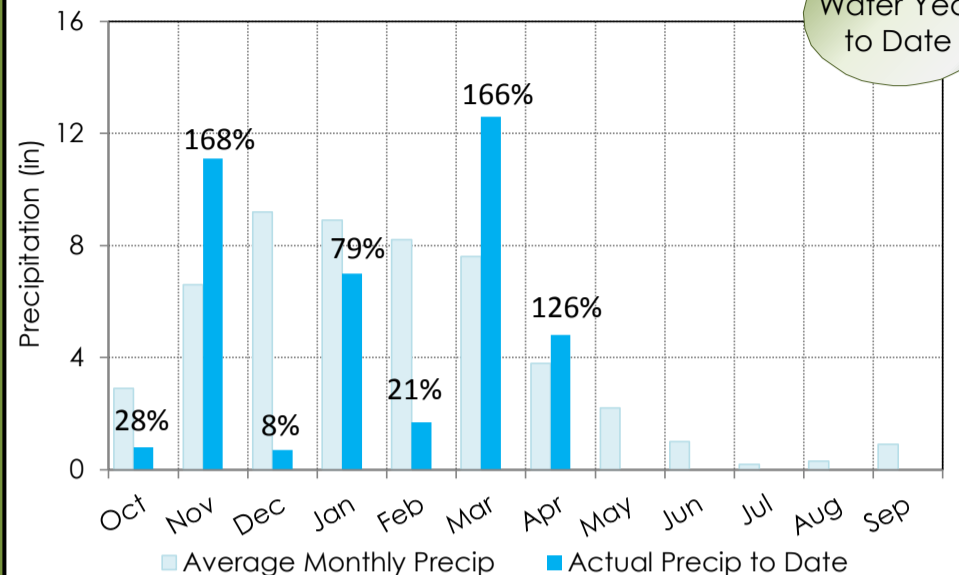
As of: 04/30/2018

# State Water Project Resources

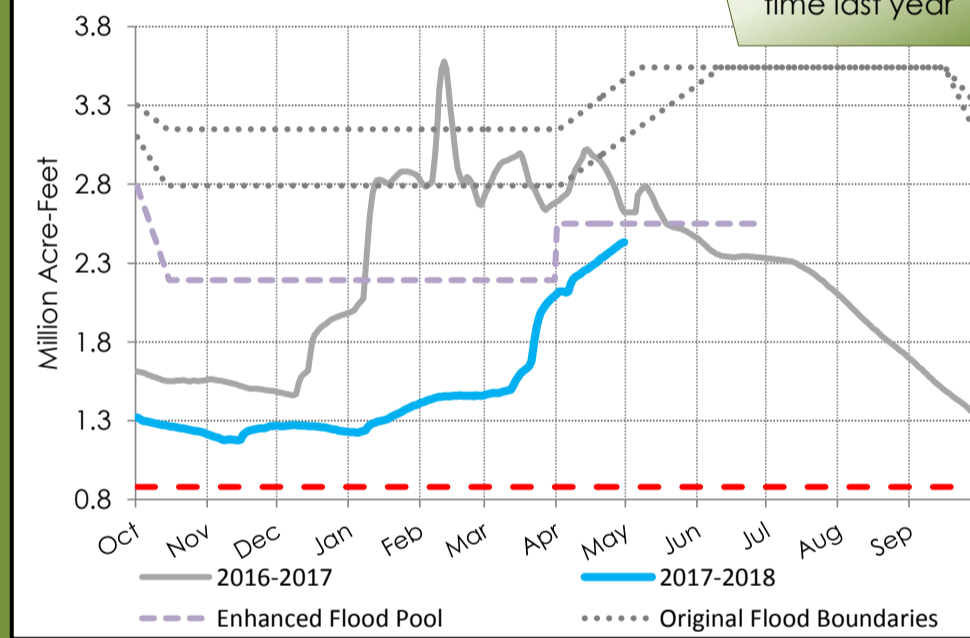
## Northern Sierra Snowpack



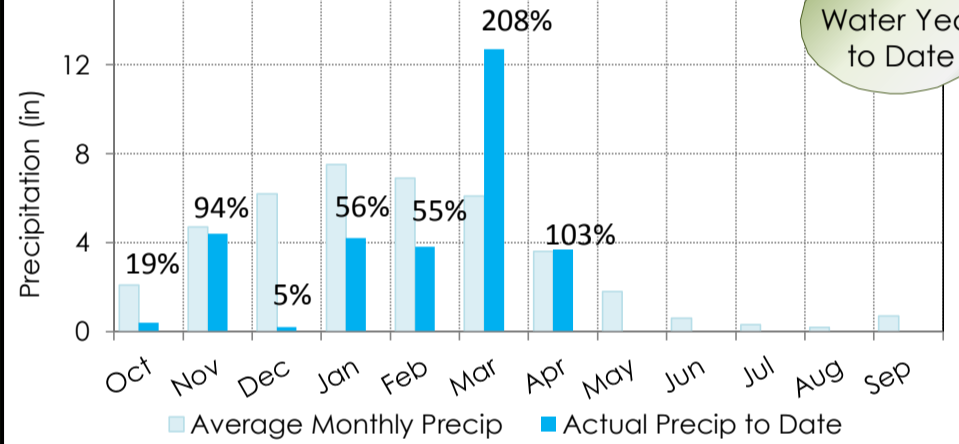
## 8 Station Index Precip



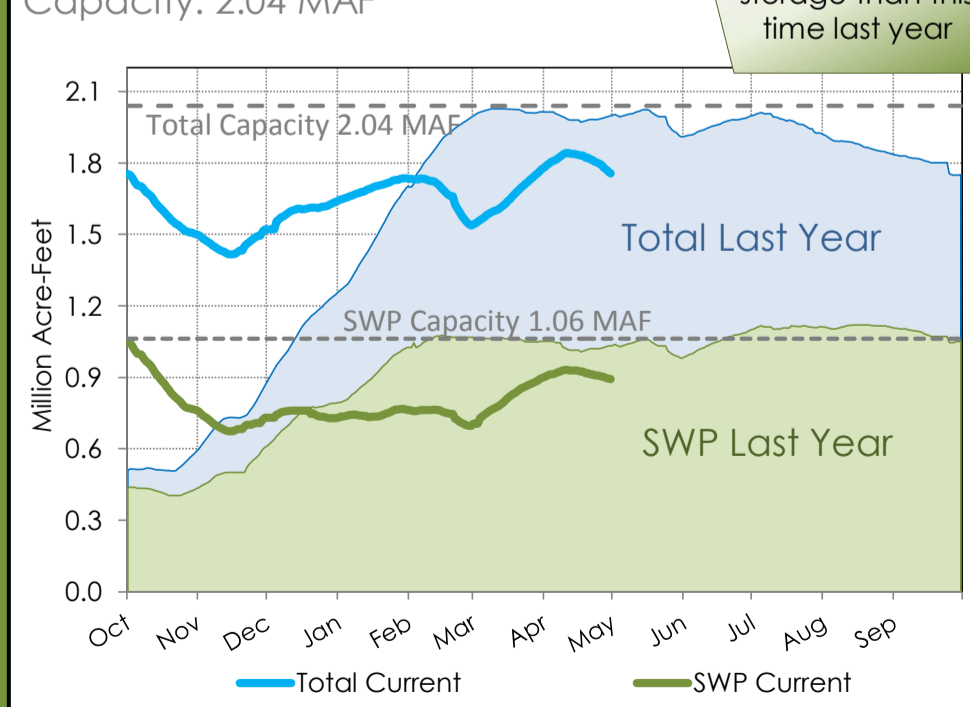
## Oroville Reservoir Storage



## 5 Station Index Precip



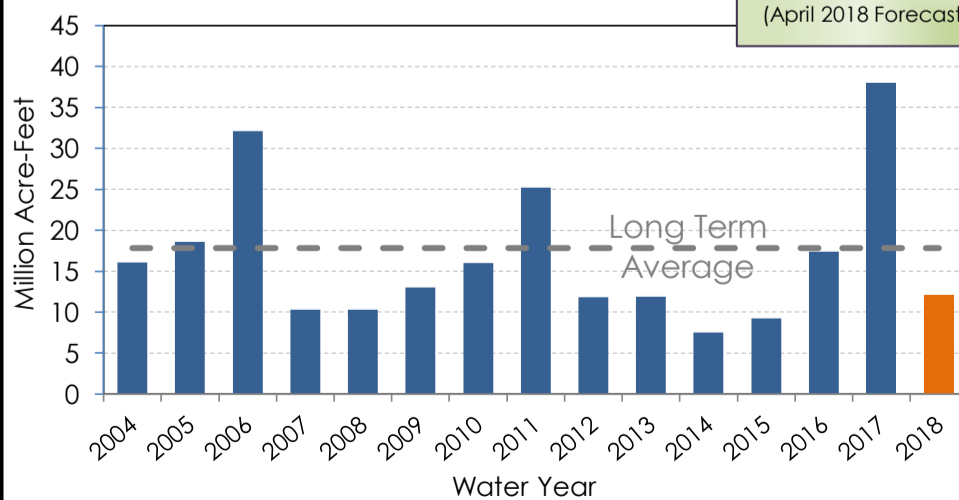
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	13,500
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

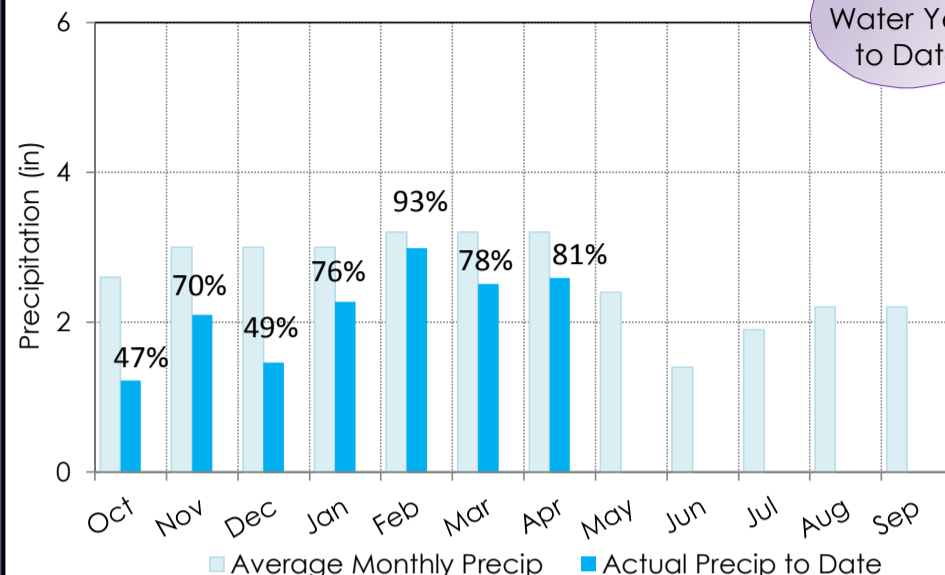
## Sacramento River Runoff



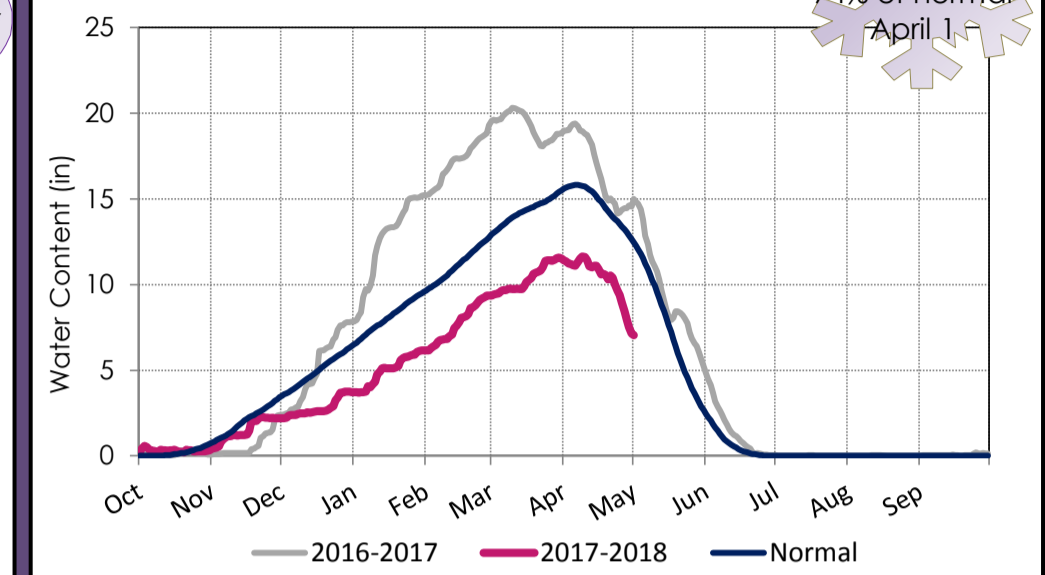
# Colorado River Resources

As of: 04/30/2018

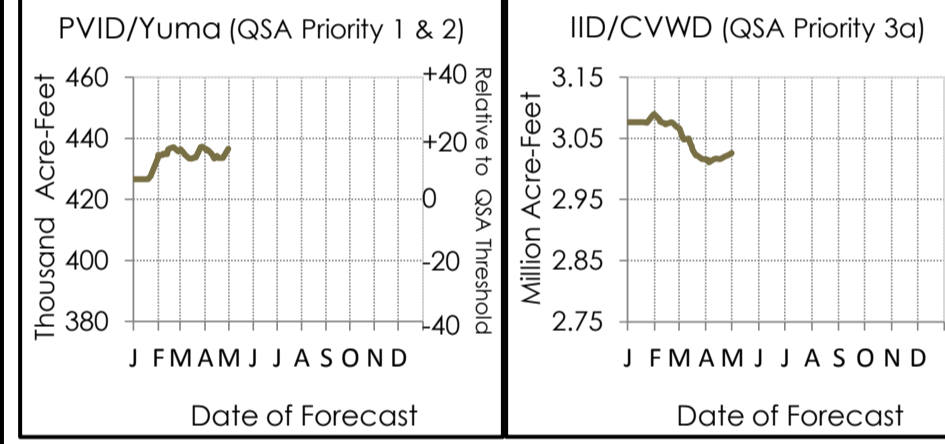
## Upper Colorado Basin Precip



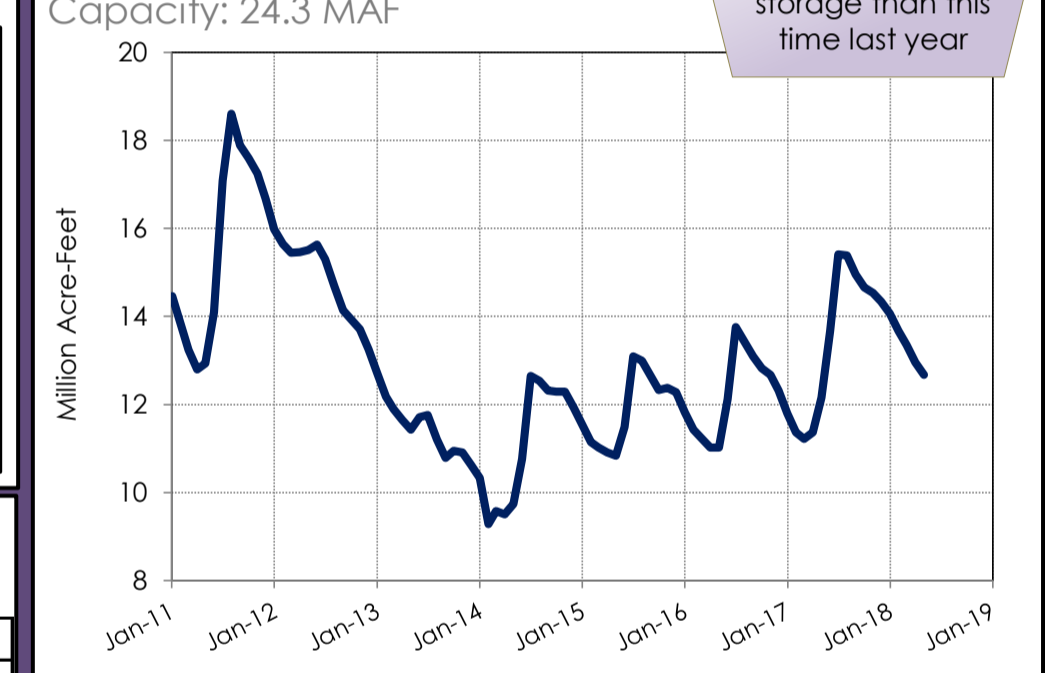
## Upper Colorado Basin Snowpack



## 2017 Colorado River Ag Use



## Lake Powell Storage

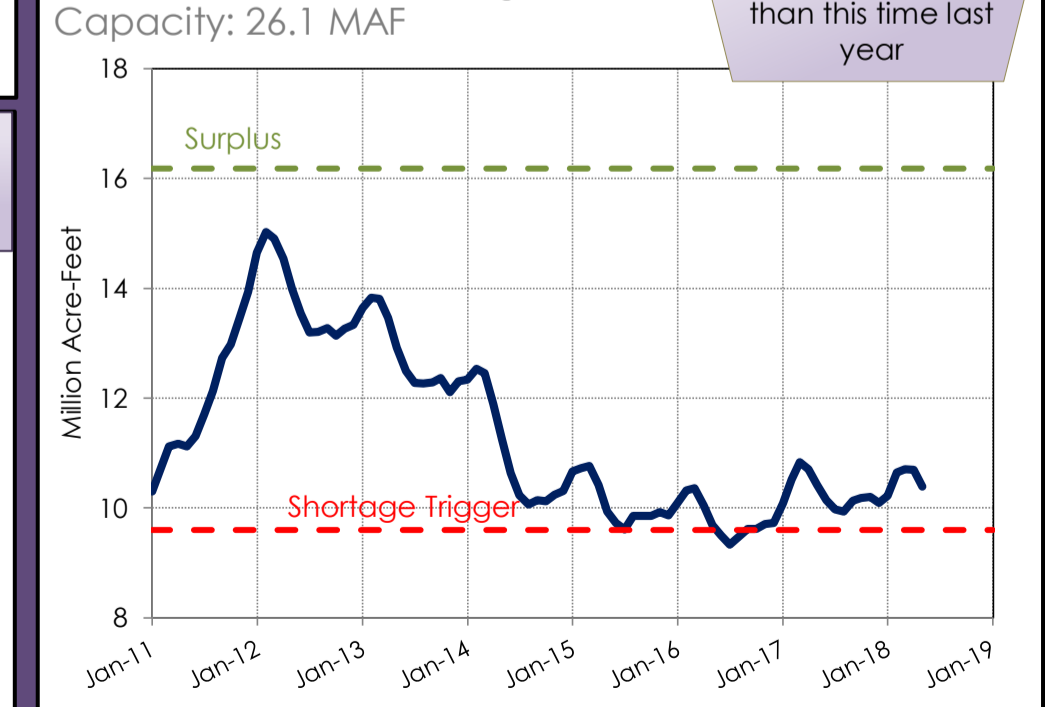


## Lake Mead Shortage/Surplus Outlook

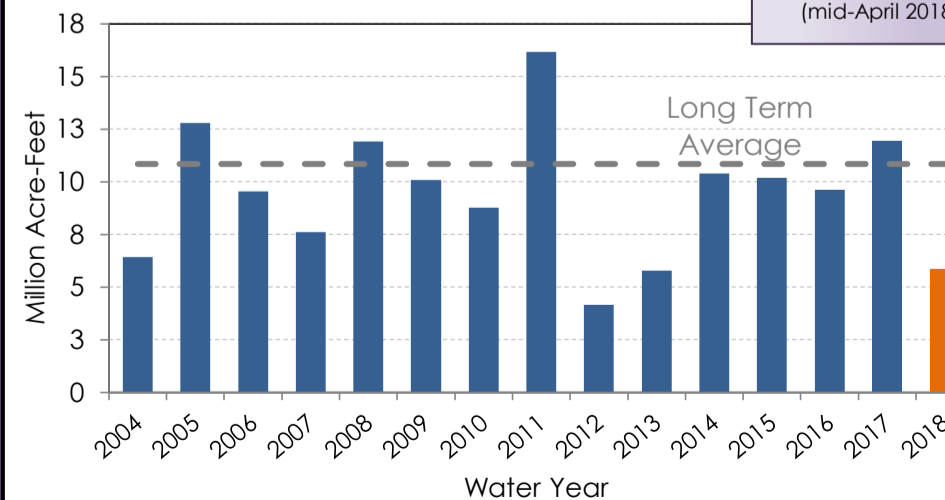
	2018	2019	2020	2021	2022
Shortage	0%	17%	49%	58%	63%
Surplus	0%	0%	1%	5%	8%

Likelihood based on results from the January 2018 USBR MTOM CRSS model run.

## Lake Mead Storage



## Powell Unregulated Inflow





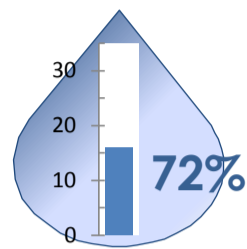


# Water Supply Conditions Report

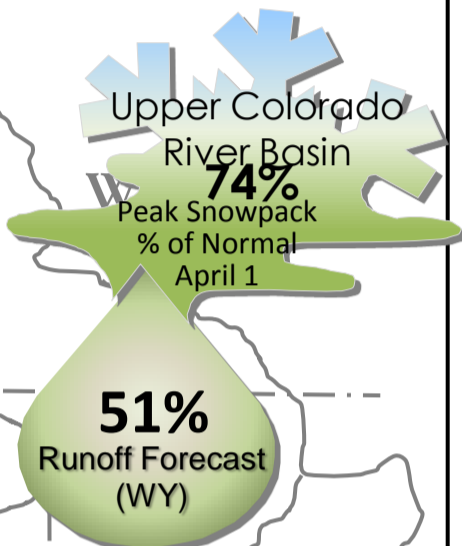
As of: 05/09/2018

## 2018 Colorado River

894,140 AF  
72% of full CRA  
Does not include storage withdrawals



16.0"



24.3 MAF

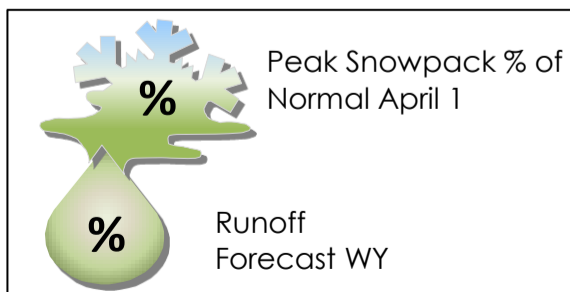
52%

POWELL  
12.67 MAF

26.1 MAF

39%

MEAD  
10.28 MAF  
1083.23 FT



Turn page for more CRA Data

Flip Over for SWP

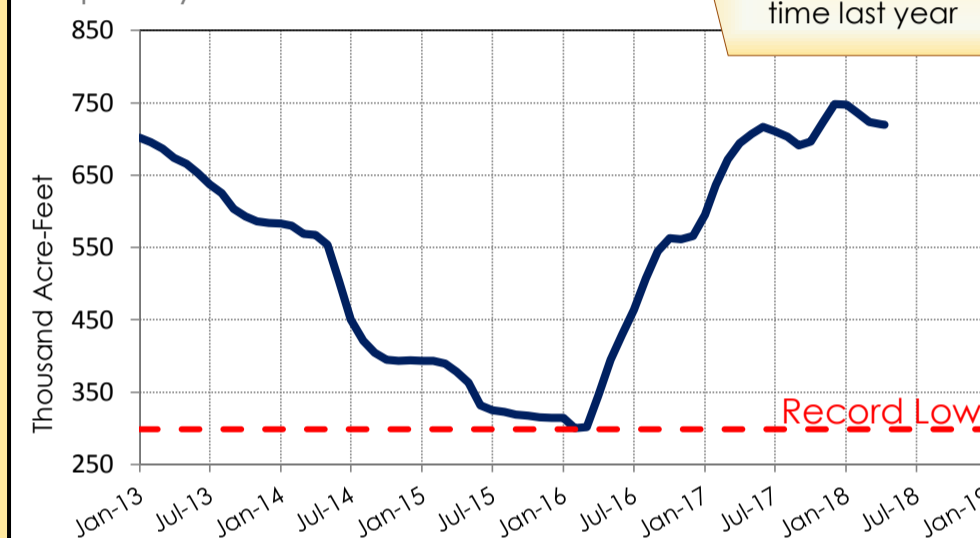
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of normal
- Lake Powell inflow forecast is at 51% of normal

## Diamond Valley Lake Storage

Capacity: 810 TAF

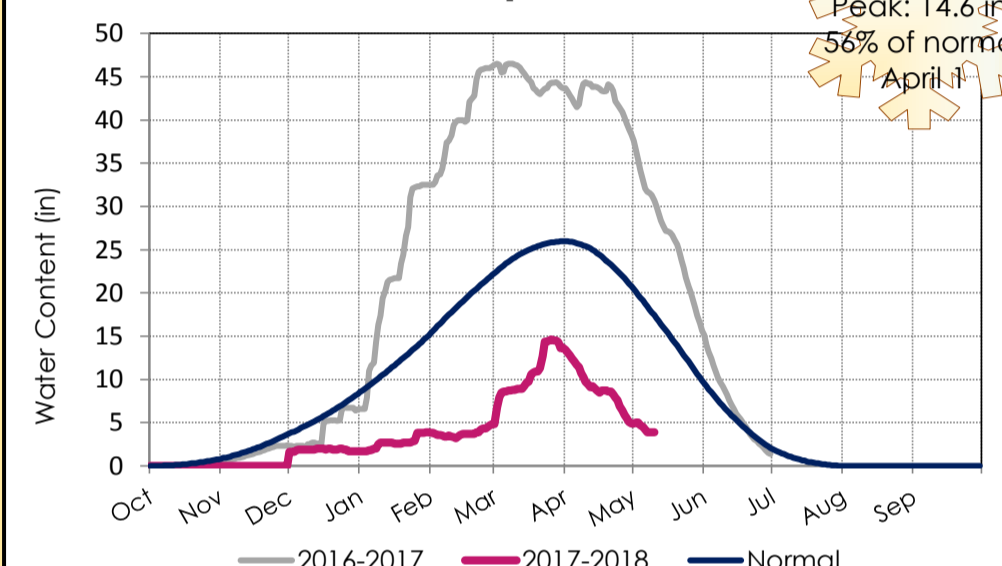
22 TAF more in storage than this time last year



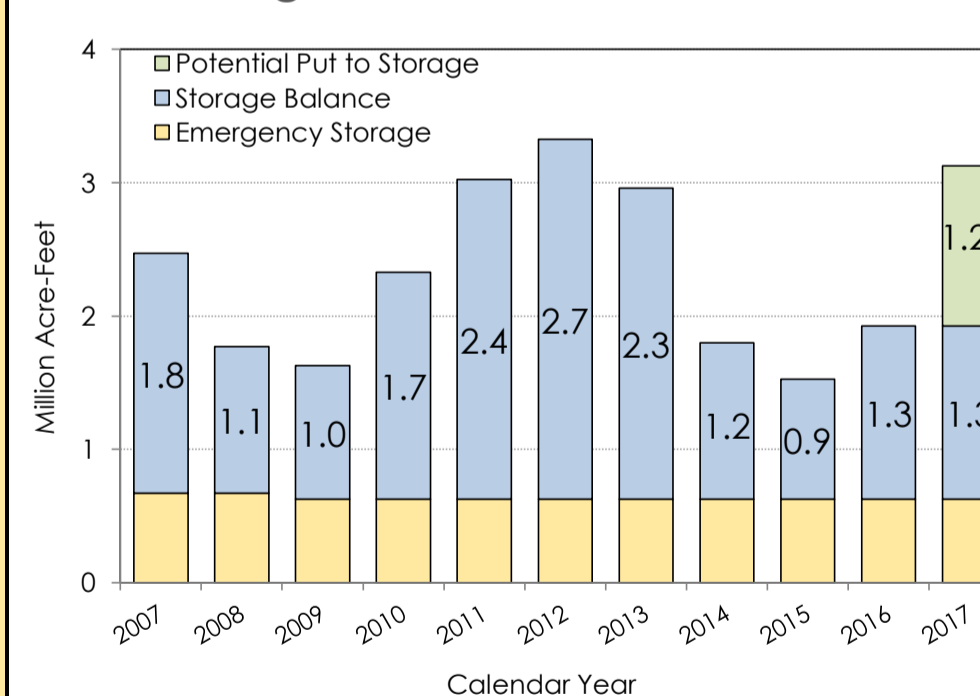
## Southern Sierra Snowpack

Peak: 14.6 in.

56% of normal



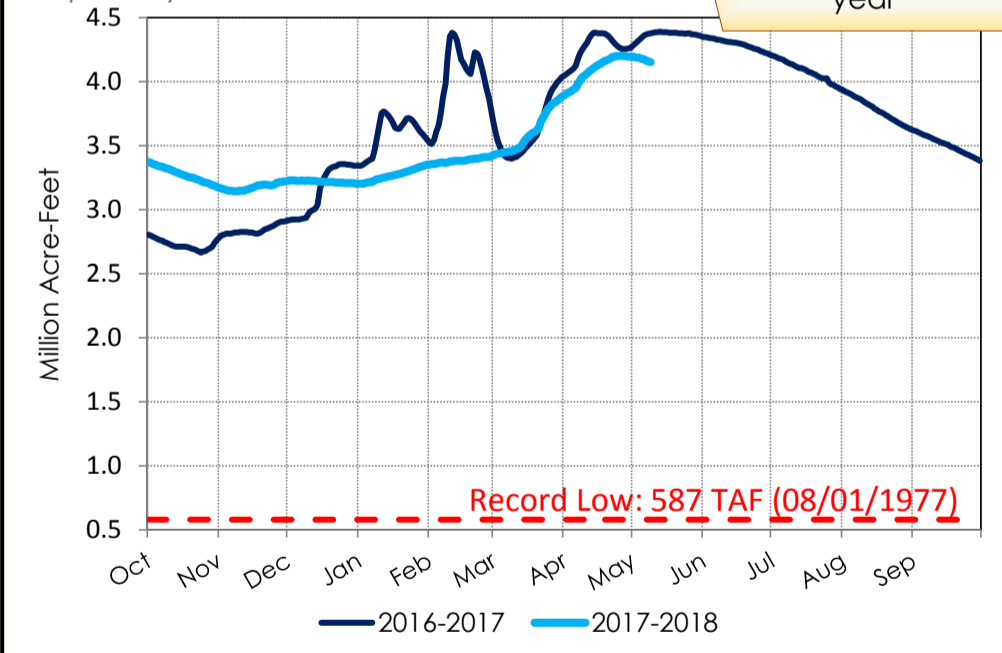
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

225 TAF less in storage than this time last year



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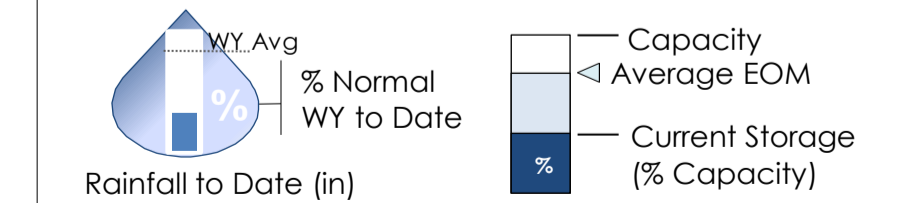
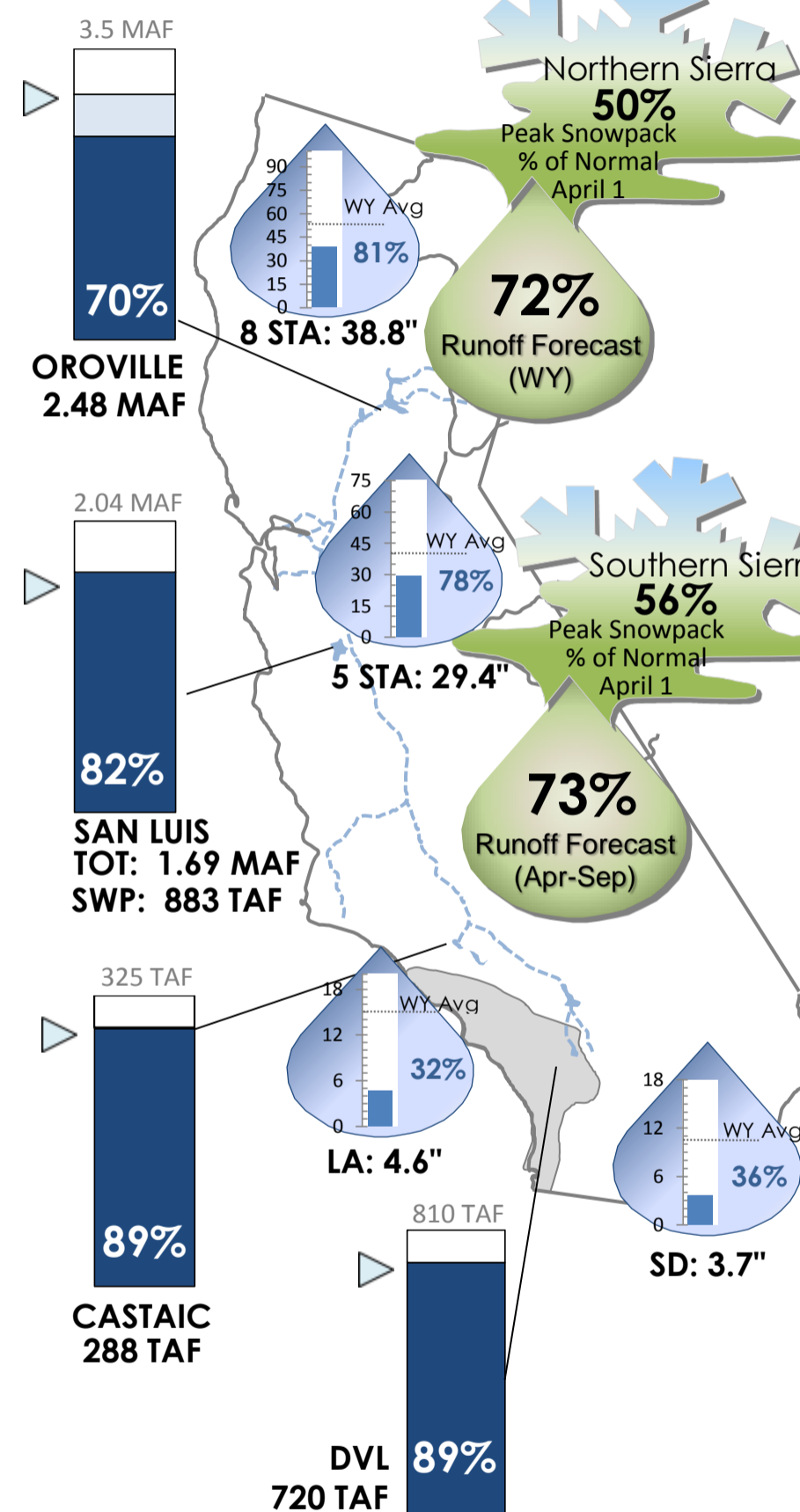


# Water Supply Conditions Report

As of: 05/09/2018

## 2018 SWP Allocation

573,450 AF  
30% of Table A



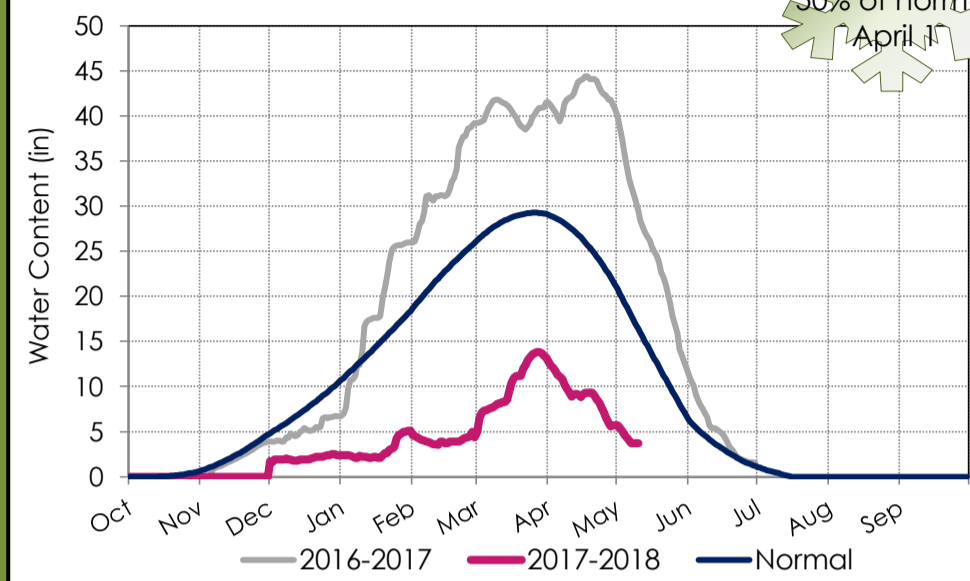
Flip Over for CRA Data

Turn page for more SWP Data

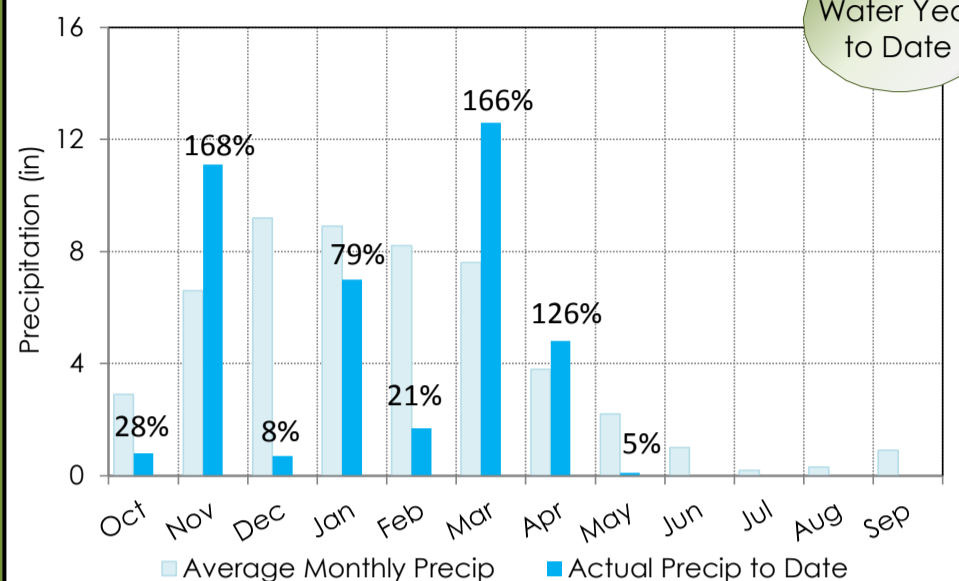
As of: 05/09/2018

# State Water Project Resources

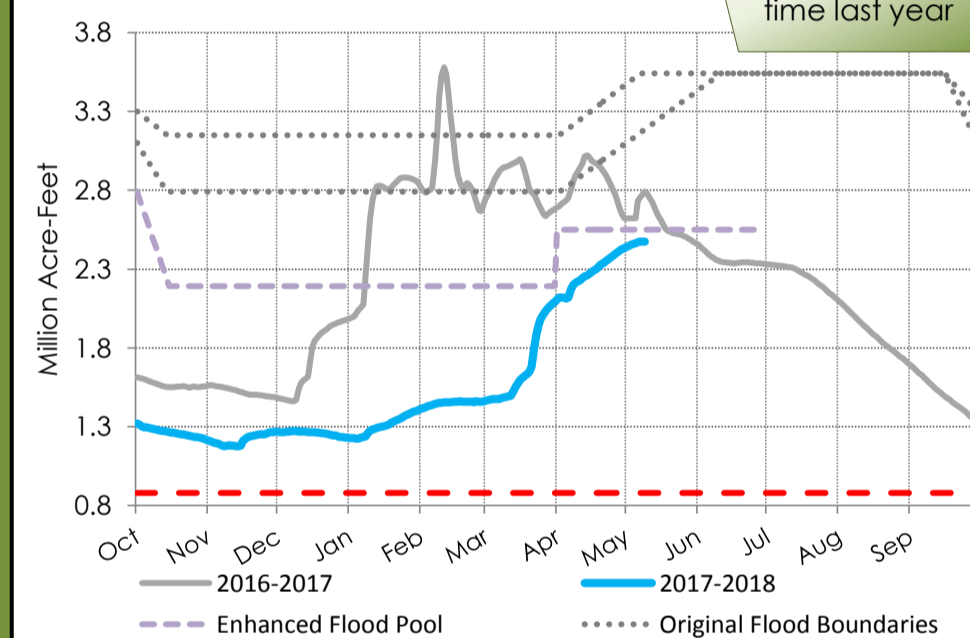
## Northern Sierra Snowpack



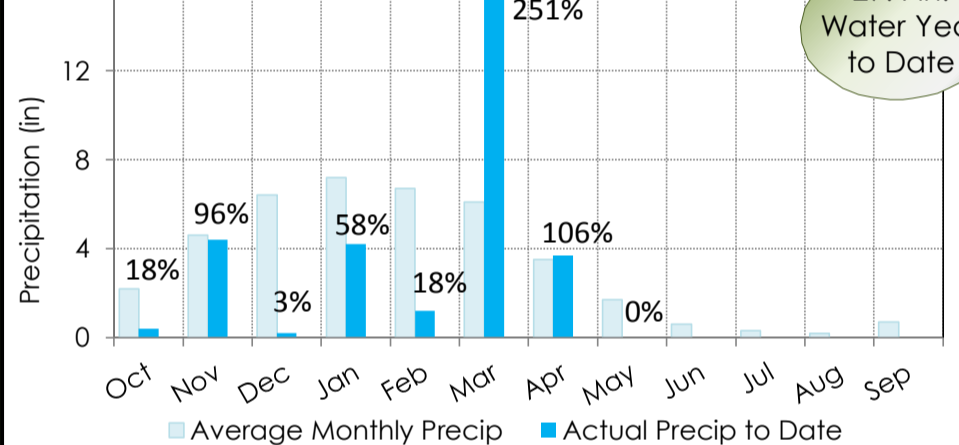
## 8 Station Index Precip



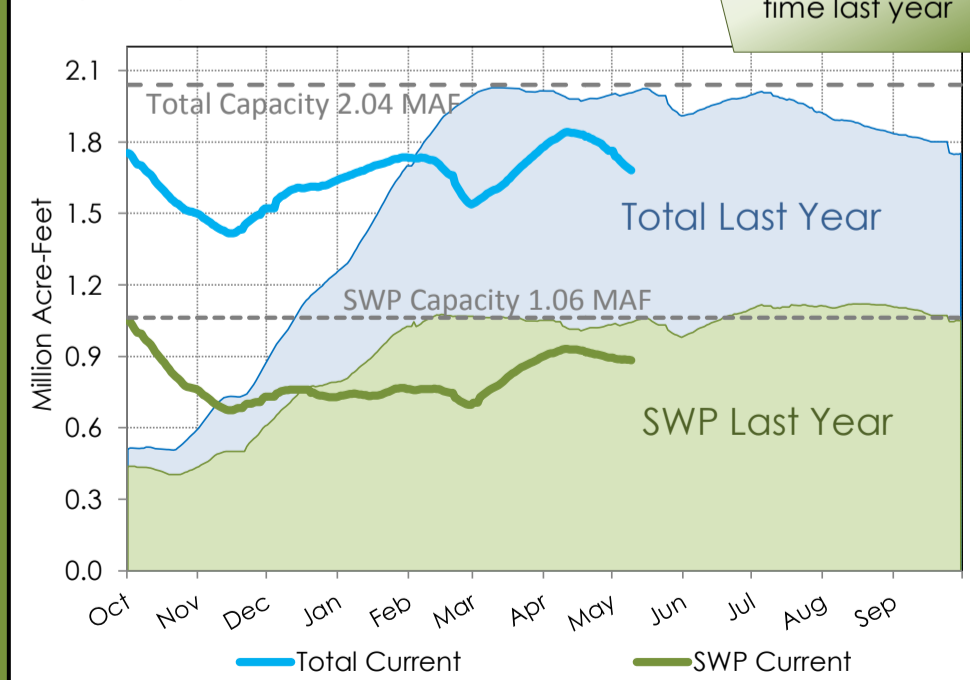
## Oroville Reservoir Storage



## 5 Station Index Precip



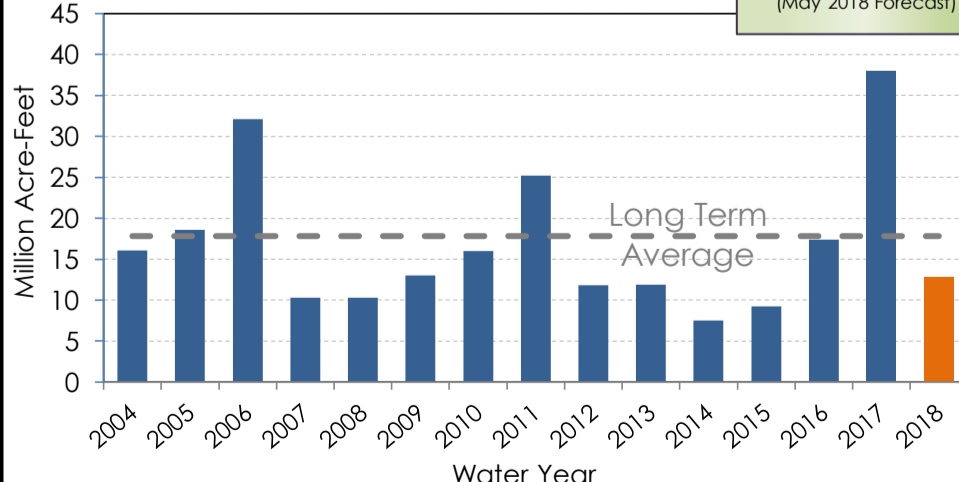
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	13,500
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

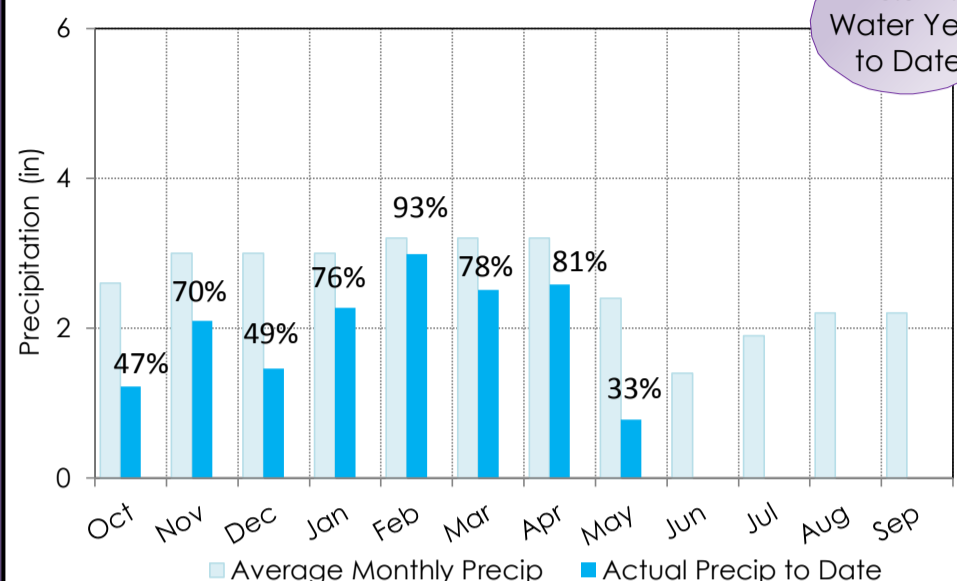
## Sacramento River Runoff



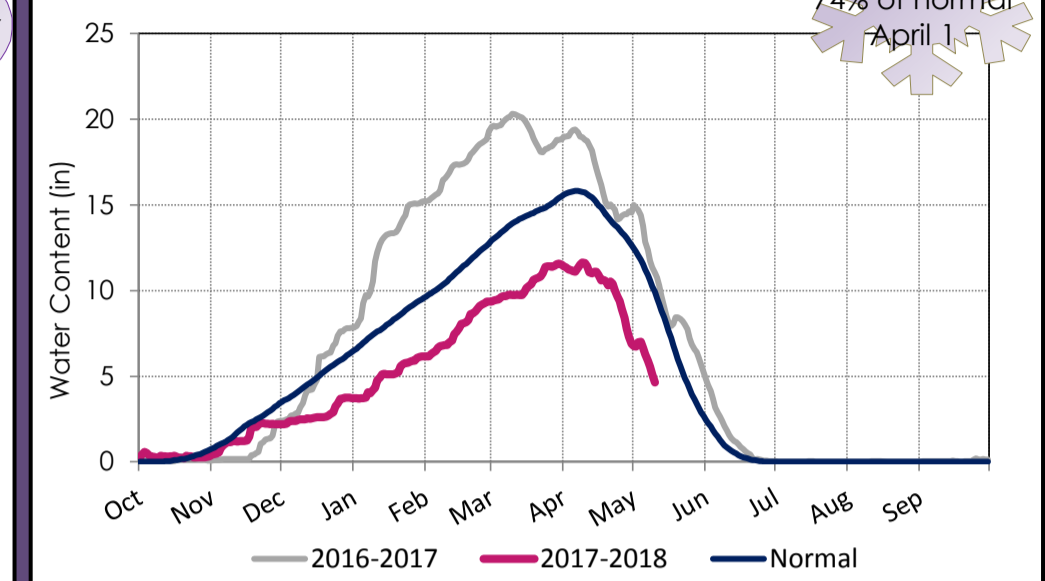
# Colorado River Resources

As of: 05/09/2018

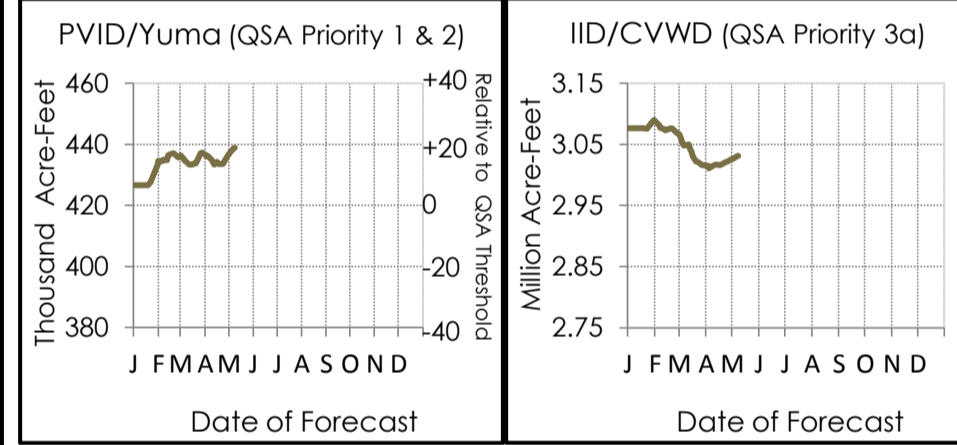
## Upper Colorado Basin Precip



## Upper Colorado Basin Snowpack



## 2017 Colorado River Ag Use

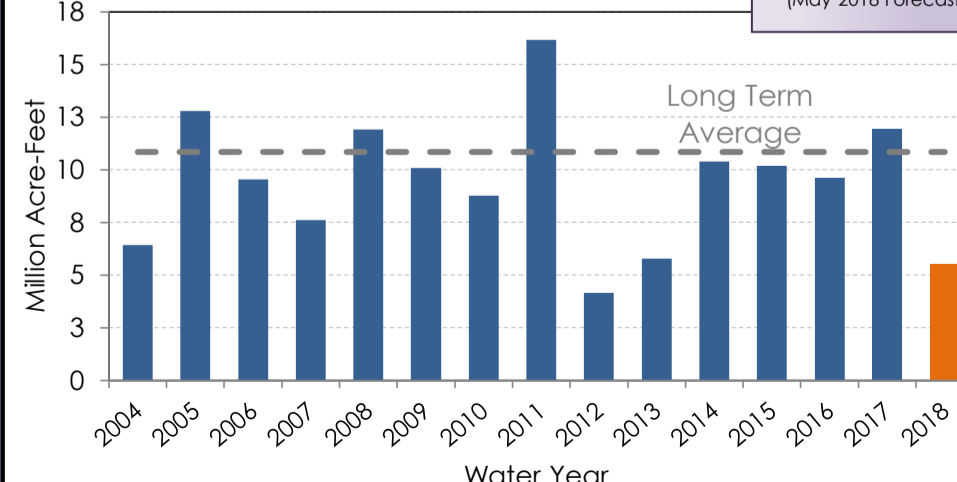


## Lake Mead Shortage/Surplus Outlook

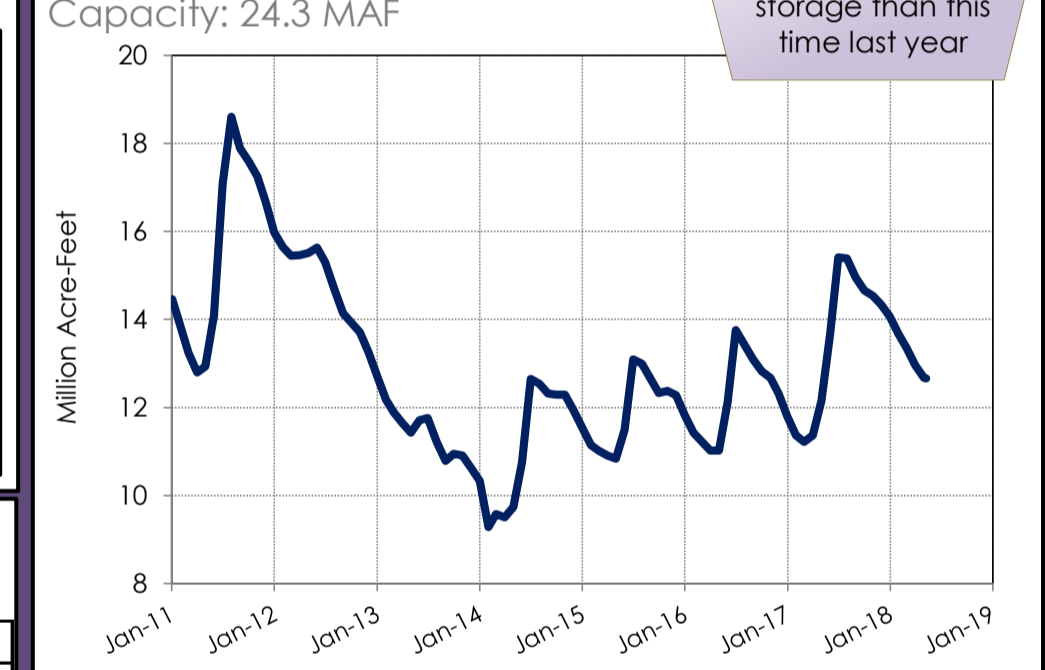
	2018	2019	2020	2021	2022
Shortage	0%	17%	49%	58%	63%
Surplus	0%	0%	1%	5%	8%

Likelihood based on results from the January 2018 USBR MTOM CRSS model run.

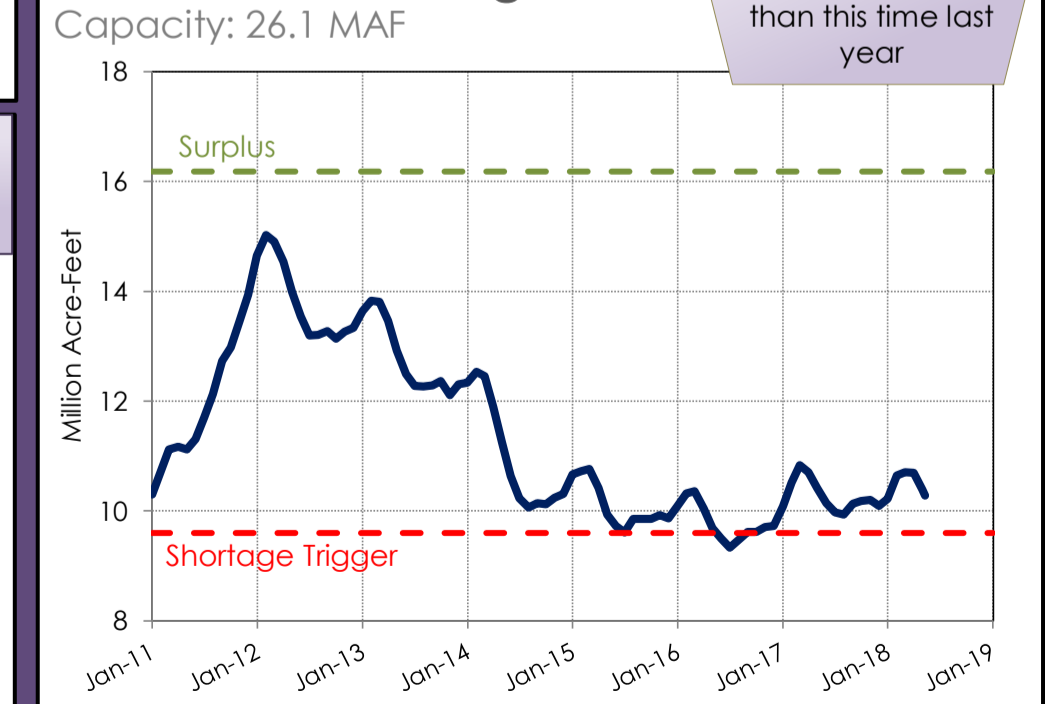
## Powell Unregulated Inflow



## Lake Powell Storage



## Lake Mead Storage



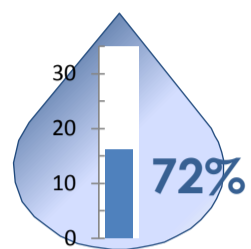


# Water Supply Conditions Report

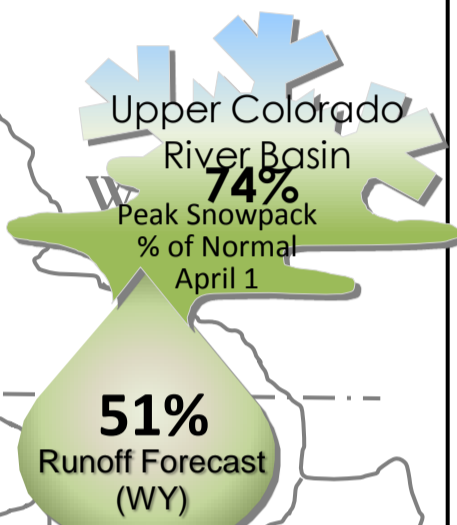
As of: 05/15/2018

## 2018 Colorado River

876,765 AF  
70% of full CRA  
Does not include storage withdrawals



16.3"



24.3 MAF

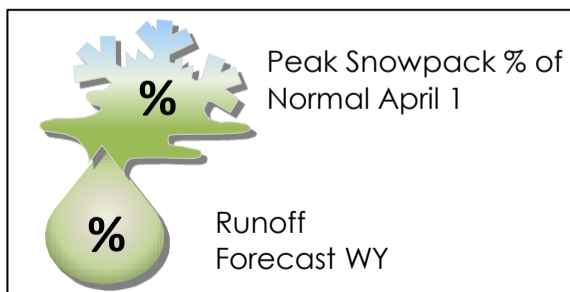
52%

POWELL  
12.69 MAF

26.1 MAF

39%

MEAD  
10.23 MAF  
FT



Turn page for more CRA Data

Flip Over for SWP

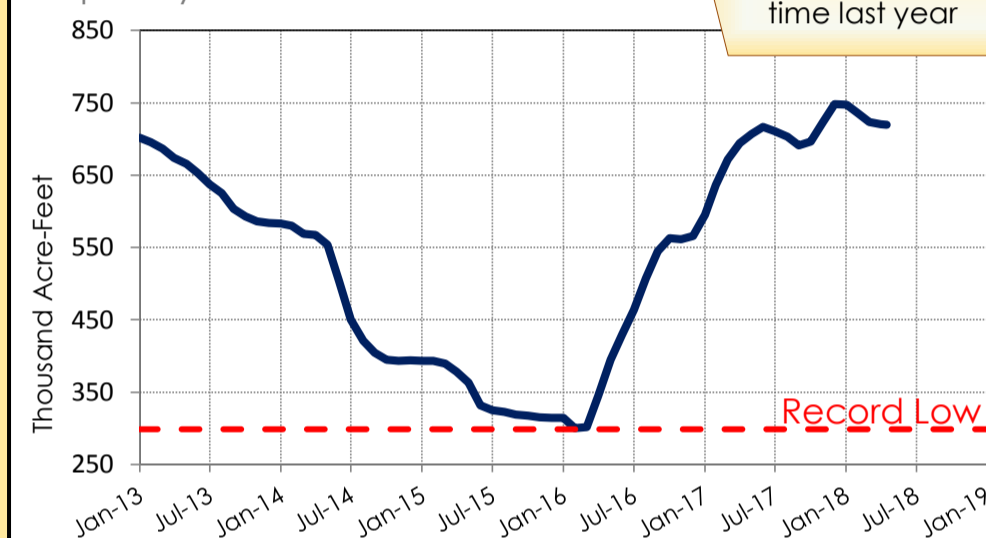
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of normal
- Lake Powell inflow forecast is at 51% of normal

## Diamond Valley Lake Storage

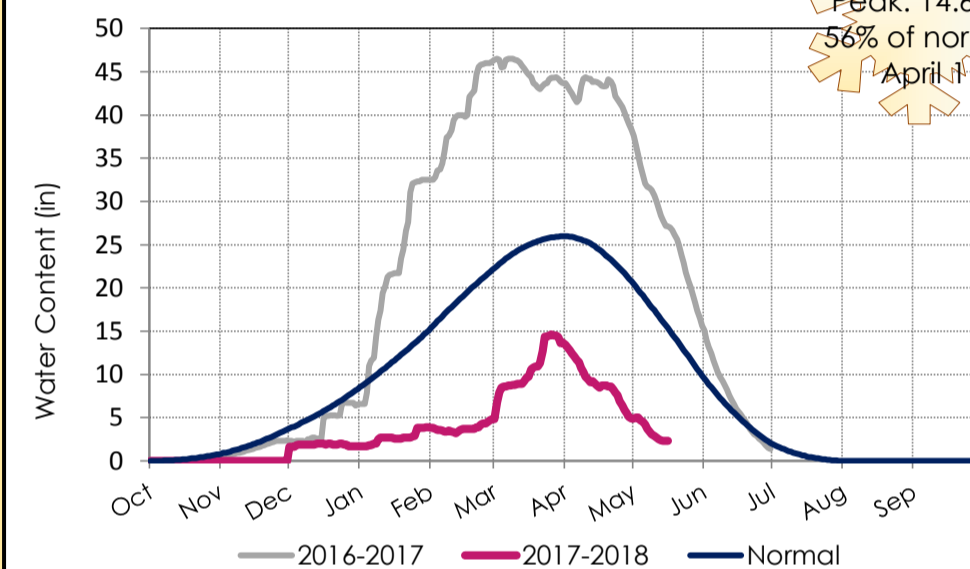
Capacity: 810 TAF

15 TAF more in storage than this time last year

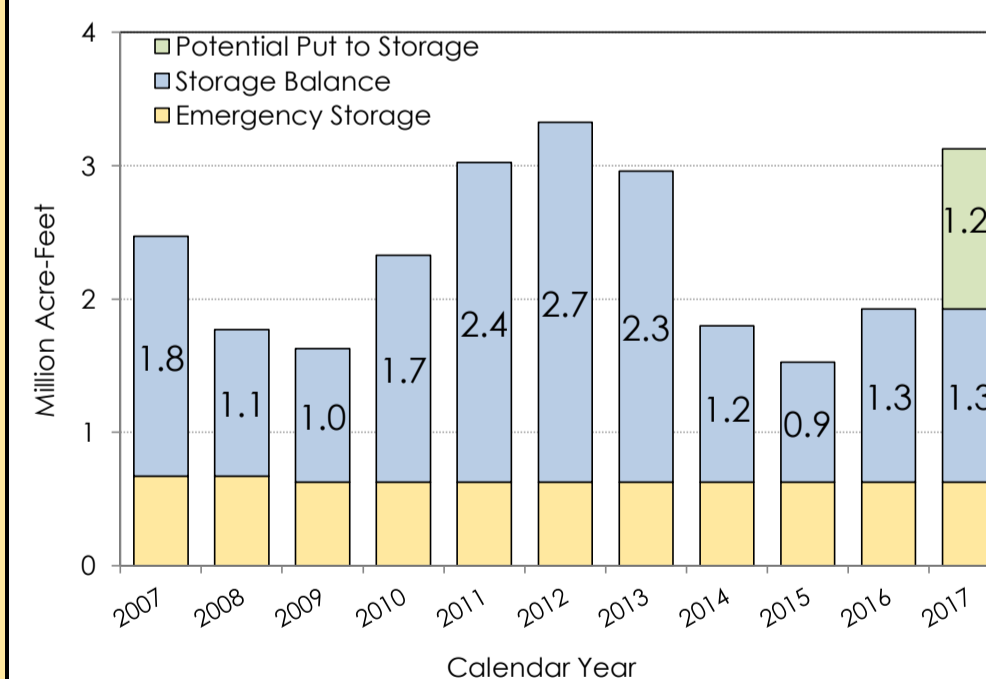


## Southern Sierra Snowpack

Peak: 14.6 in.  
56% of normal  
April 11



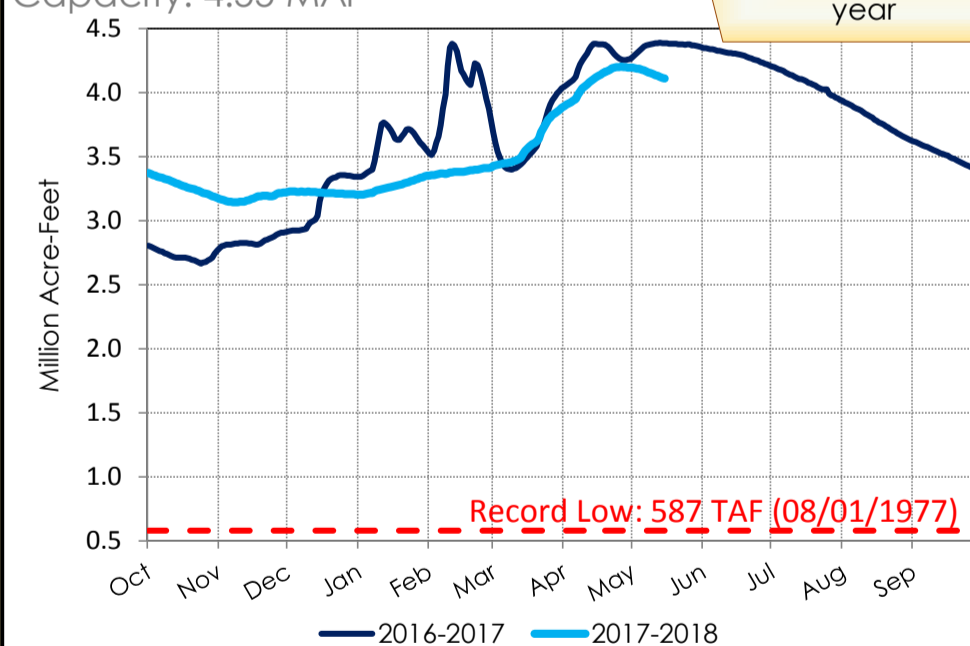
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

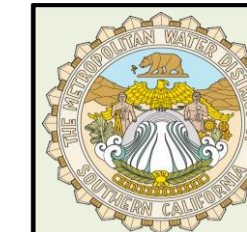
276 TAF less in storage than this time last year



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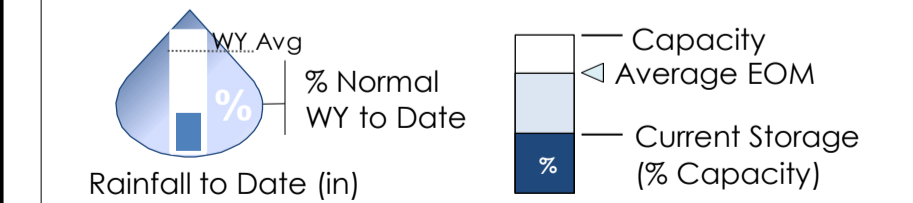
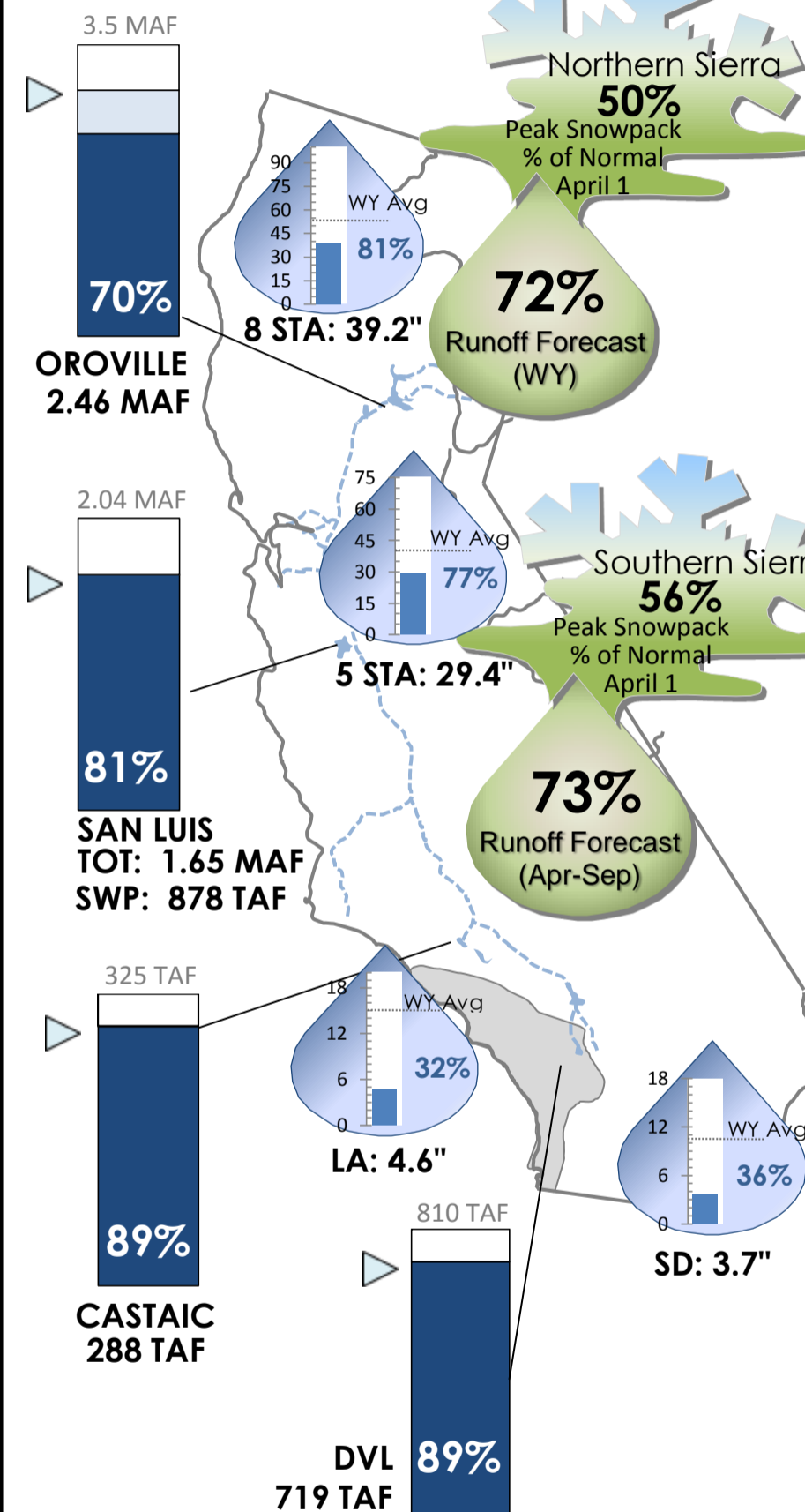


# Water Supply Conditions Report

As of: 05/15/2018

## 2018 SWP Allocation

573,450 AF  
30% of Table A



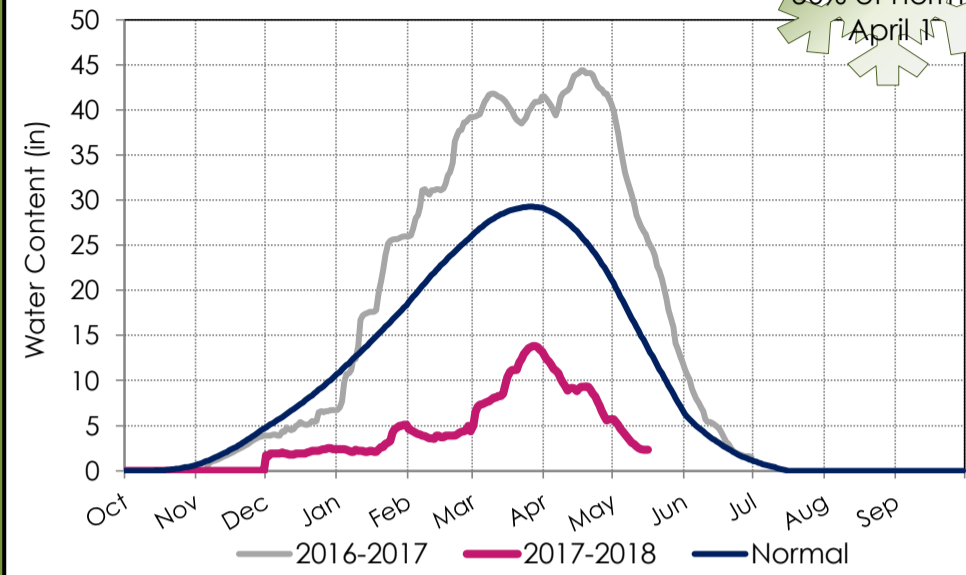
Flip Over for CRA Data

Turn page for more SWP Data

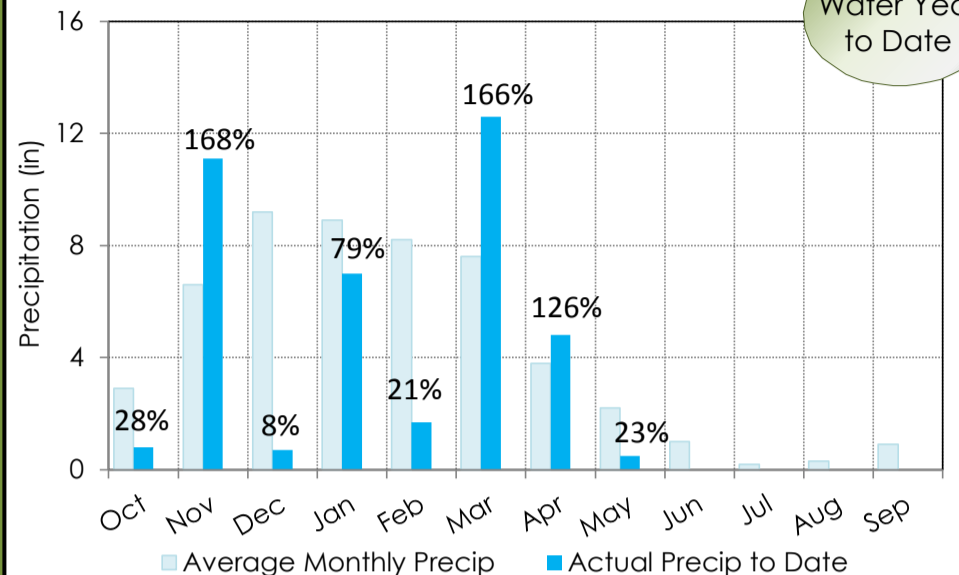
As of: 05/15/2018

# State Water Project Resources

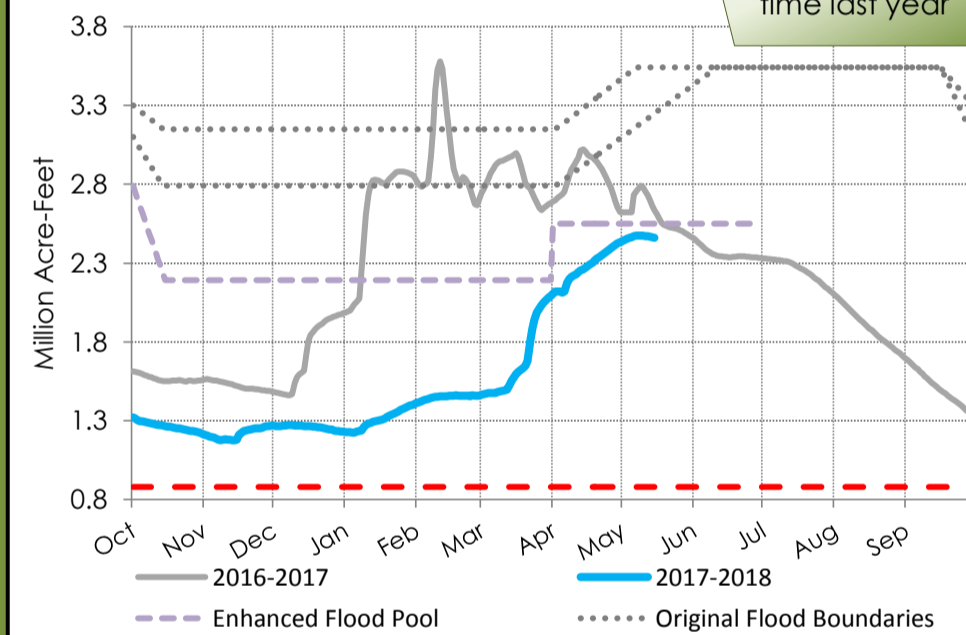
## Northern Sierra Snowpack



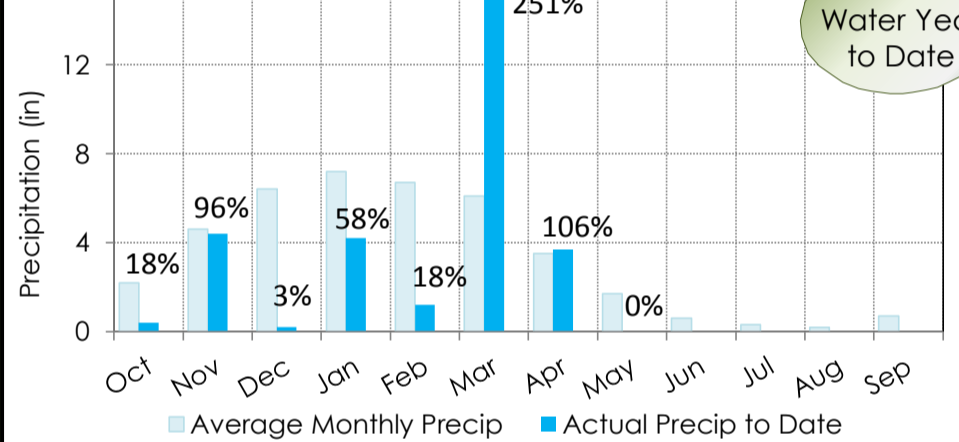
## 8 Station Index Precip



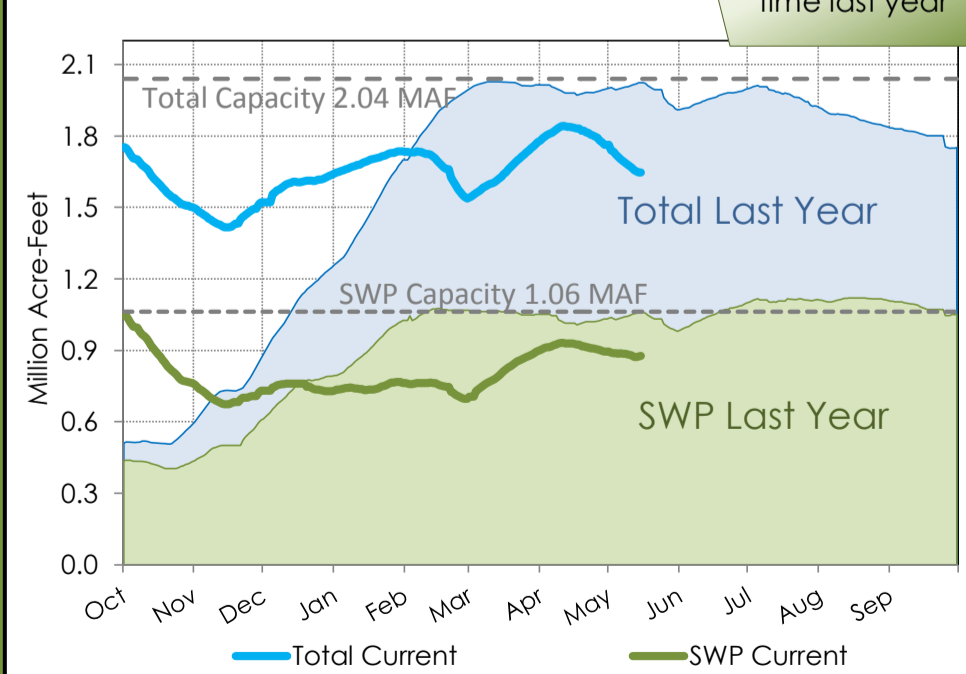
## Oroville Reservoir Storage



## 5 Station Index Precip



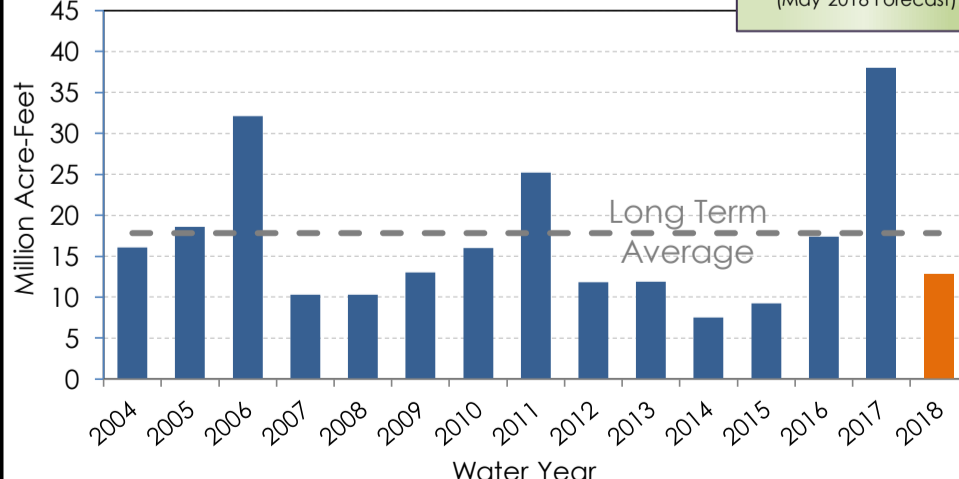
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	13,500
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

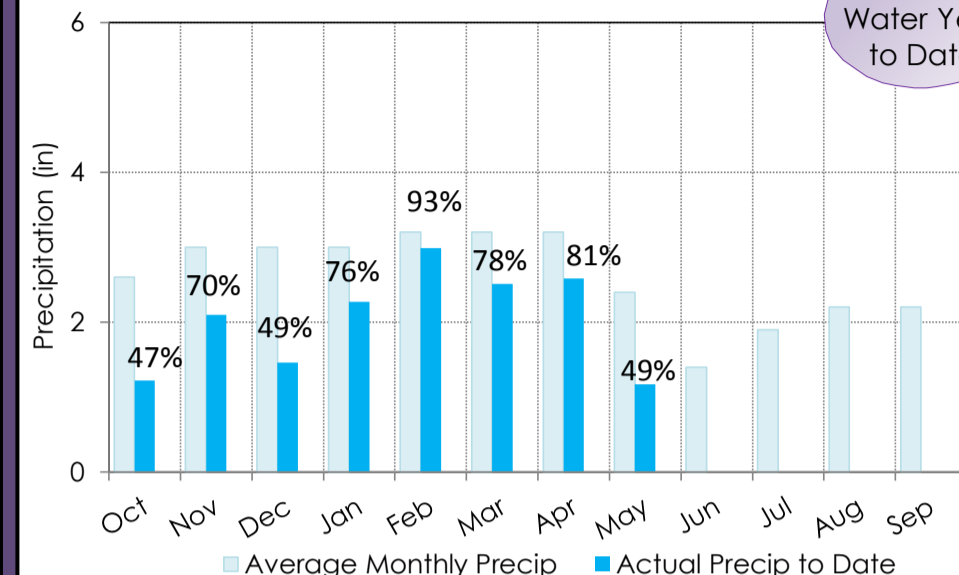
## Sacramento River Runoff



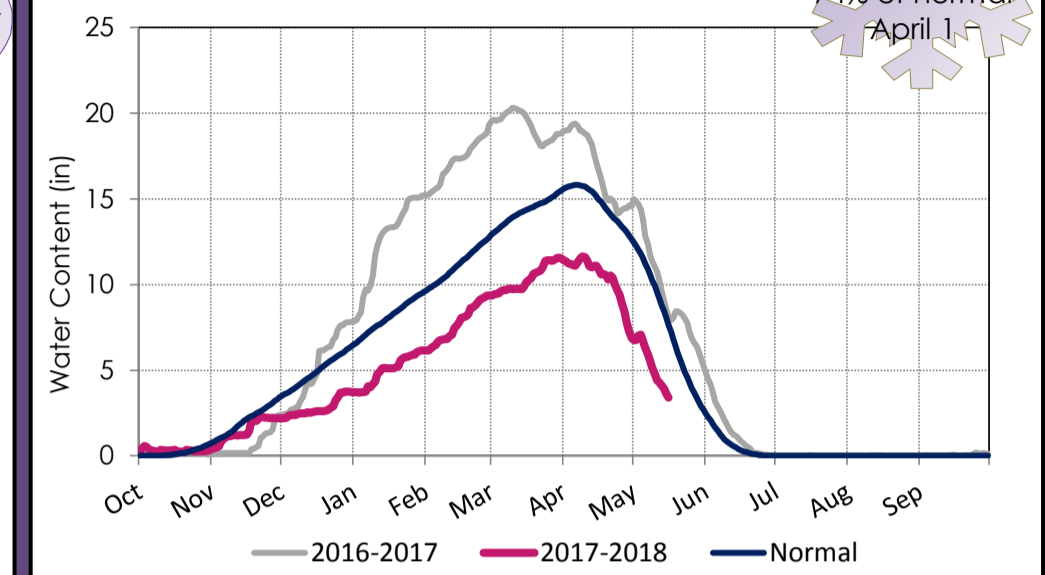
# Colorado River Resources

As of: 05/15/2018

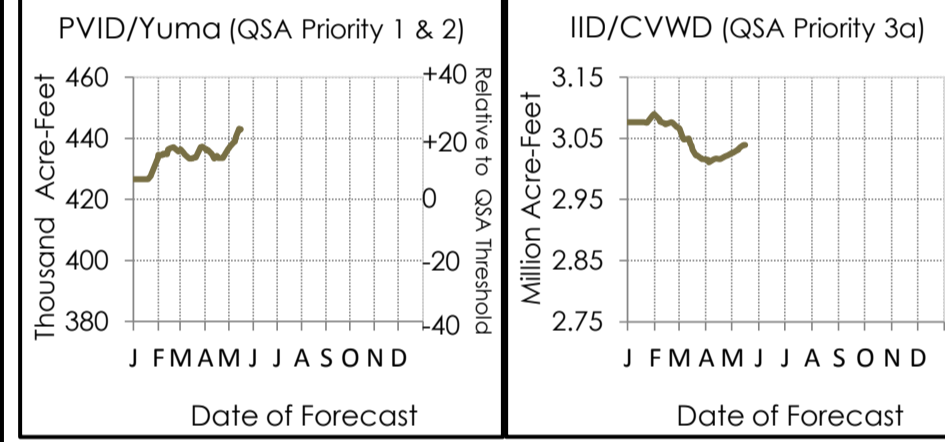
## Upper Colorado Basin Precip



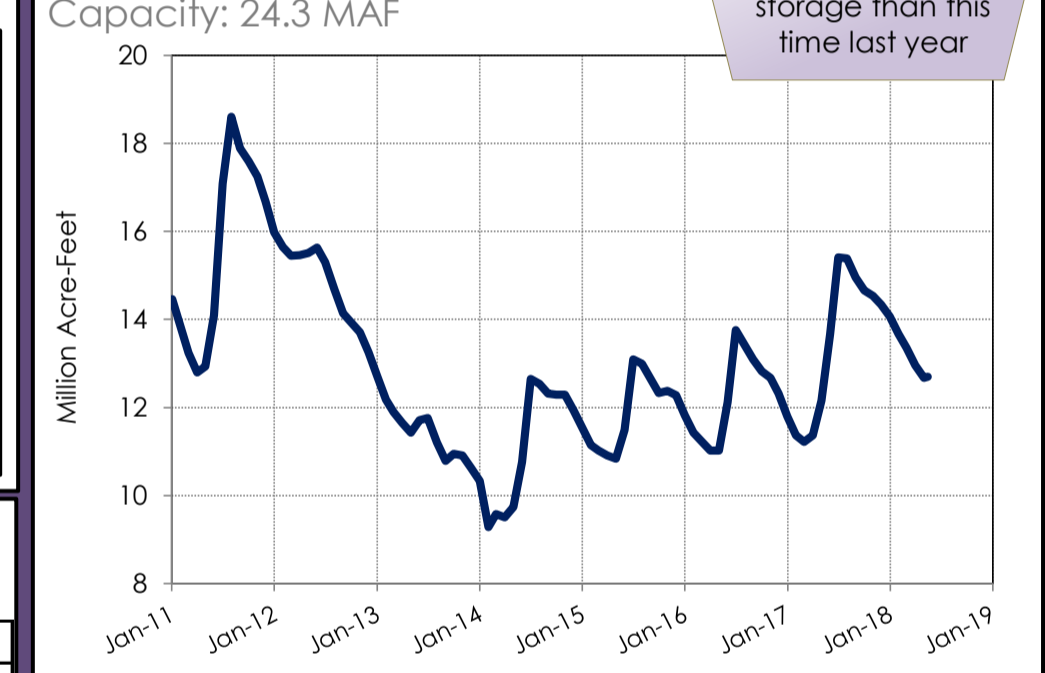
## Upper Colorado Basin Snowpack



## 2017 Colorado River Ag Use



## Lake Powell Storage

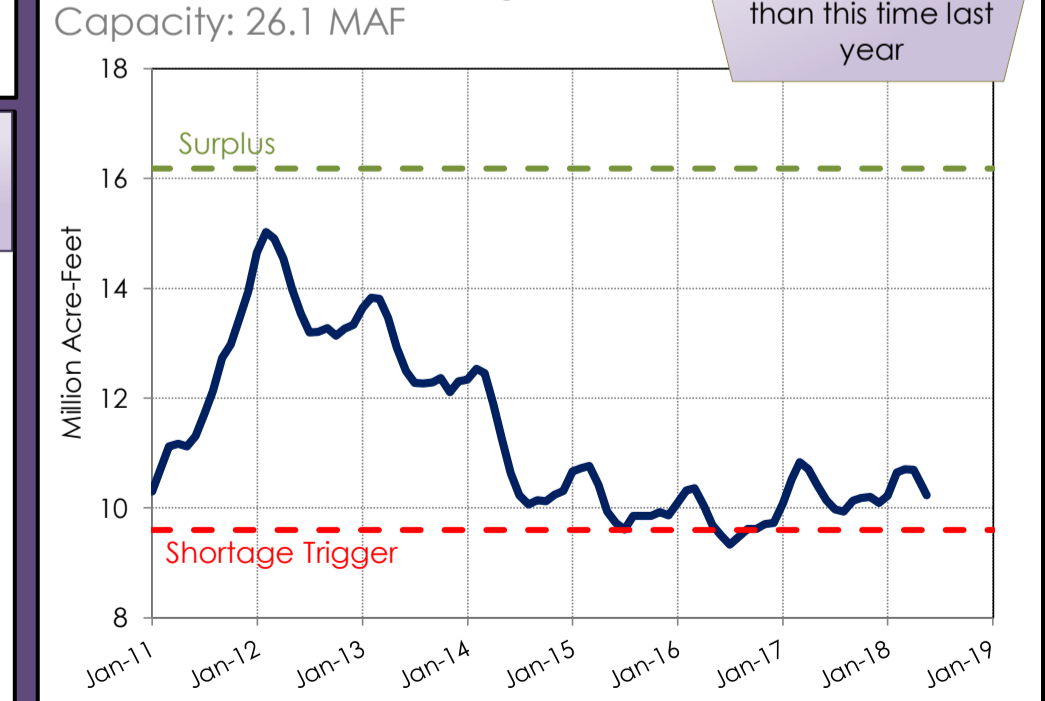


## Lake Mead Shortage/Surplus Outlook

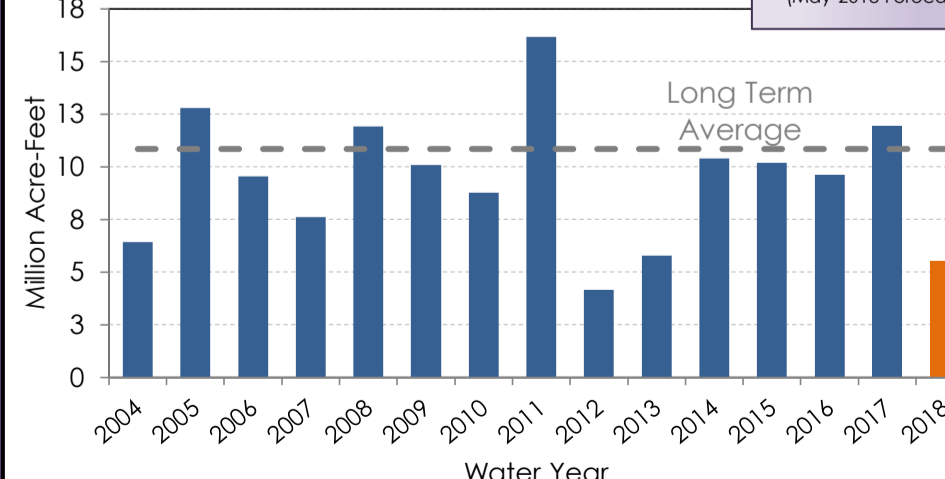
	2019	2020	2021	2022	2023
Shortage	0%	52%	64%	68%	65%
Surplus	0%	0%	3%	6%	10%

Likelihood based on results from the April 2018 USBR MTOM/CRSS model run.

## Lake Mead Storage



## Powell Unregulated Inflow



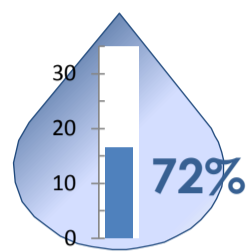


# Water Supply Conditions Report

As of: 05/21/2018

## 2018 Colorado River

876,765 AF  
70% of full CRA  
Does not include storage withdrawals



16.5"

Upper Colorado River Basin  
Peak Snowpack 74%  
% of Normal April 1

51%  
Runoff Forecast (WY)

24.3 MAF

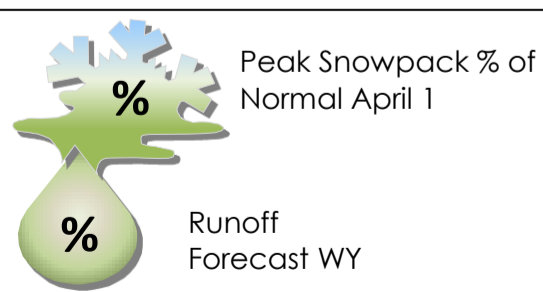
53%

POWELL  
12.78 MAF

26.1 MAF

39%

MEAD  
10.16 MAF  
1081.75 FT



Turn page for more CRA Data

Flip Over for SWP

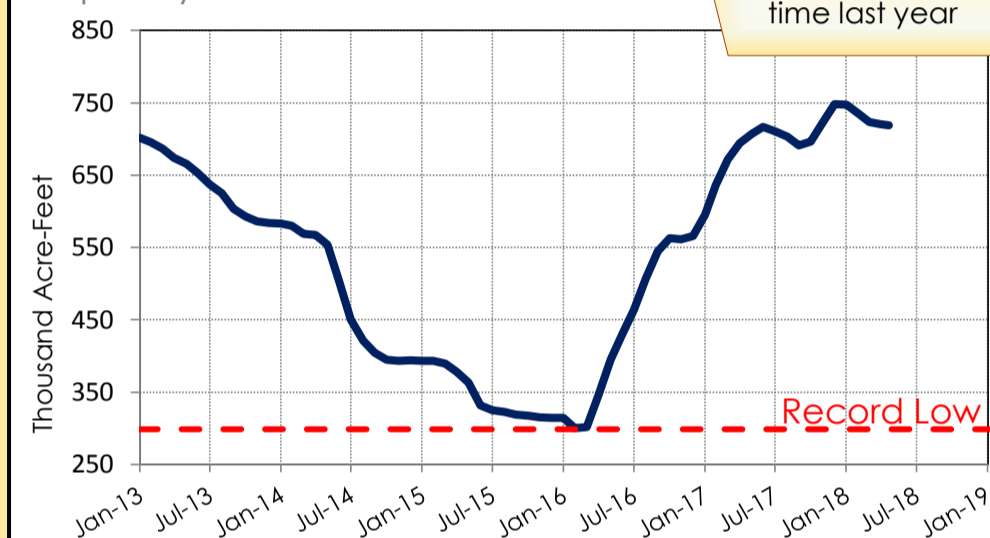
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 51% of normal

## Diamond Valley Lake Storage

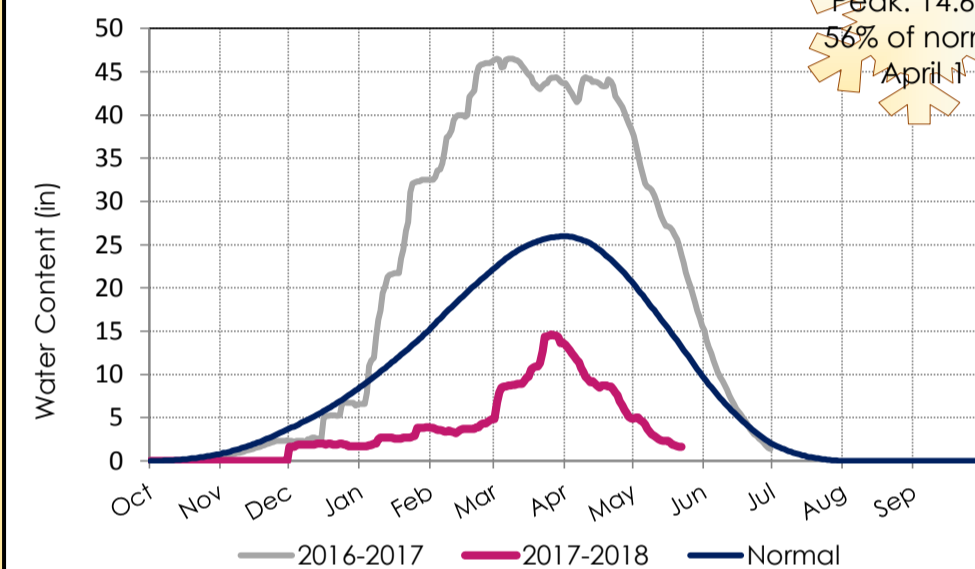
Capacity: 810 TAF

12 TAF more in storage than this time last year

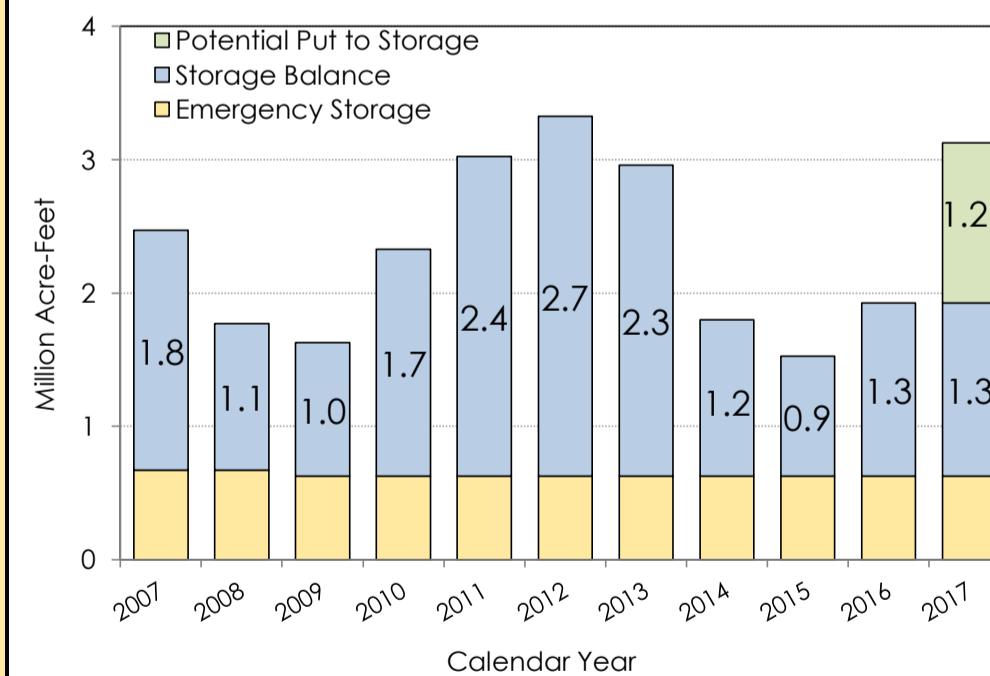


## Southern Sierra Snowpack

Peak: 14.6 in.  
56% of normal April 1



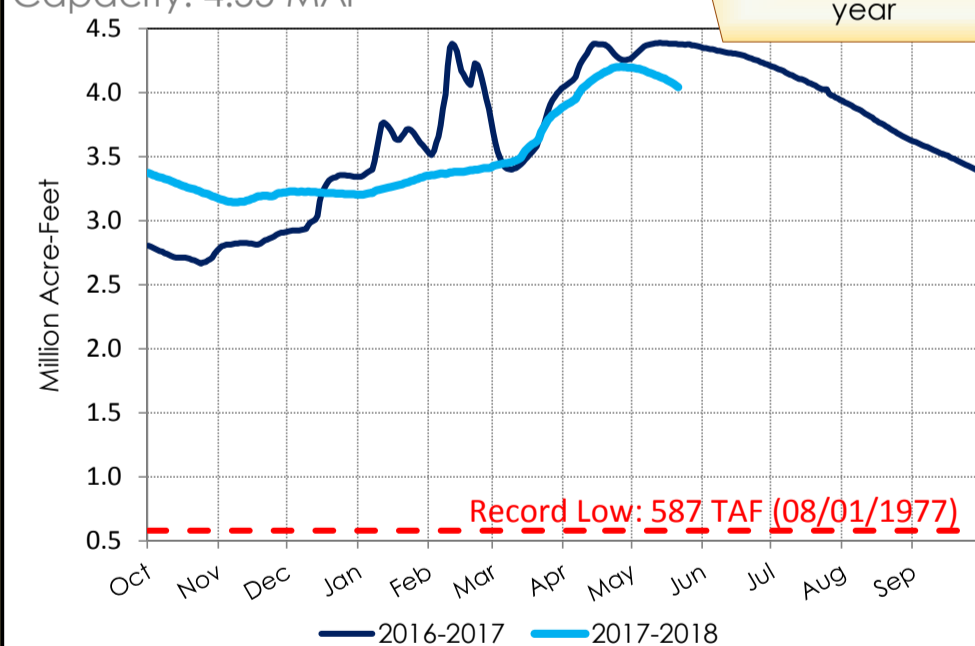
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

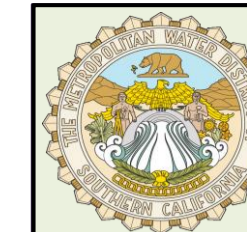
336 TAF less in storage than this time last year



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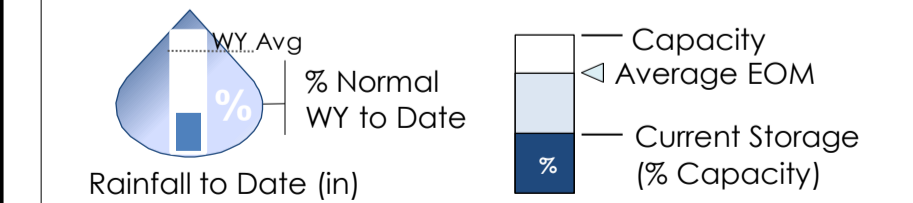
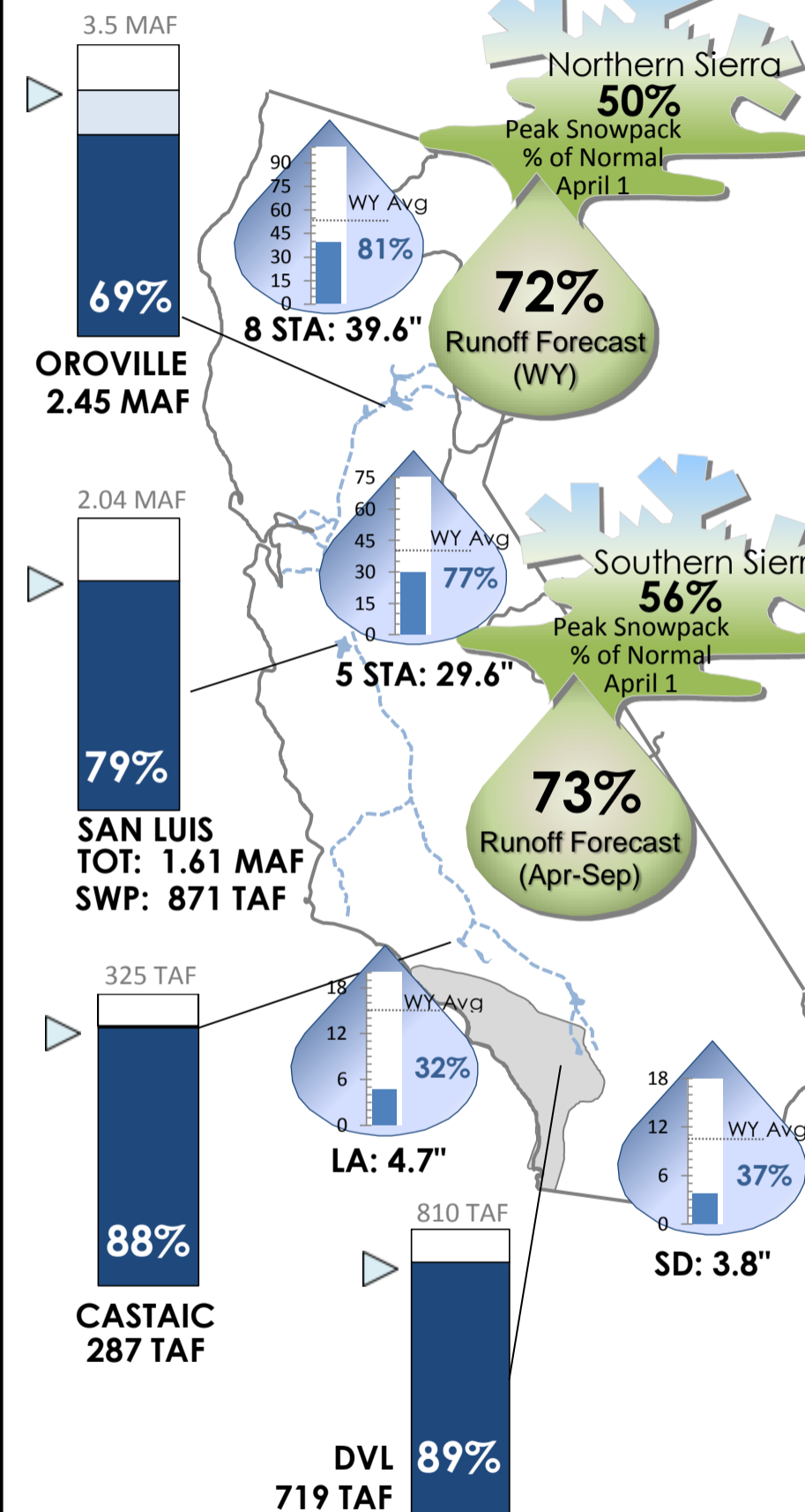


# Water Supply Conditions Report

As of: 05/21/2018

## 2018 SWP Allocation

669,025 AF  
35% of Table A



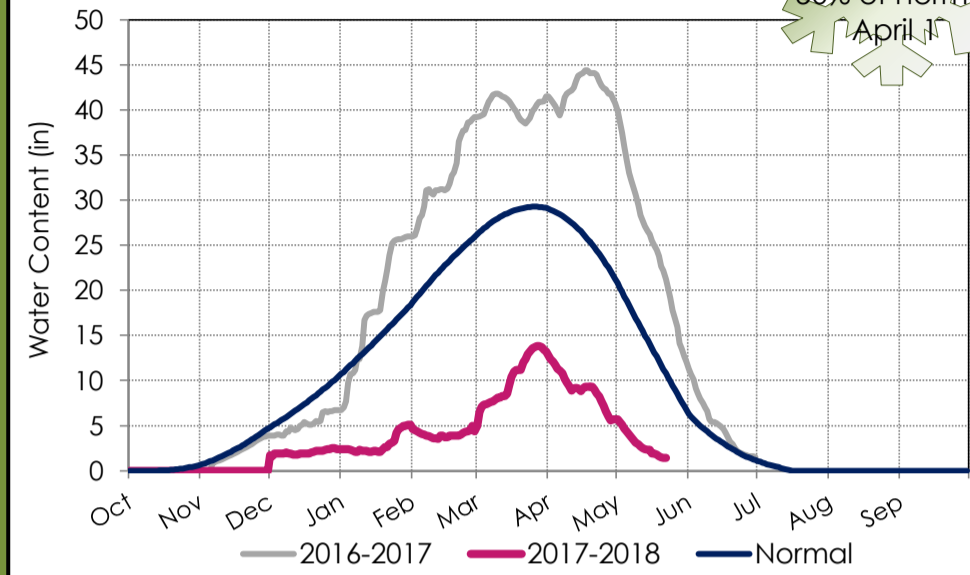
Flip Over for CRA Data

Turn page for more SWP Data

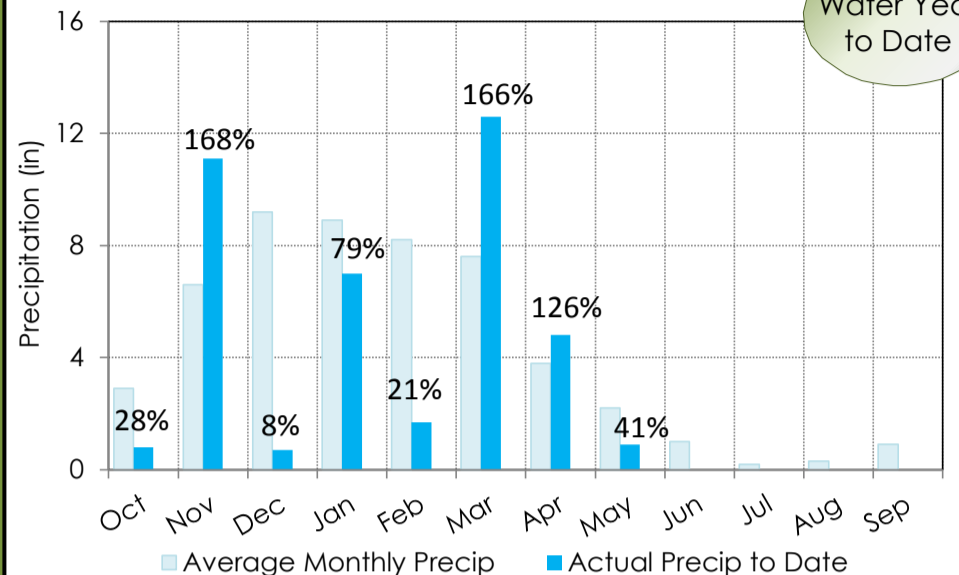
As of: 05/21/2018

# State Water Project Resources

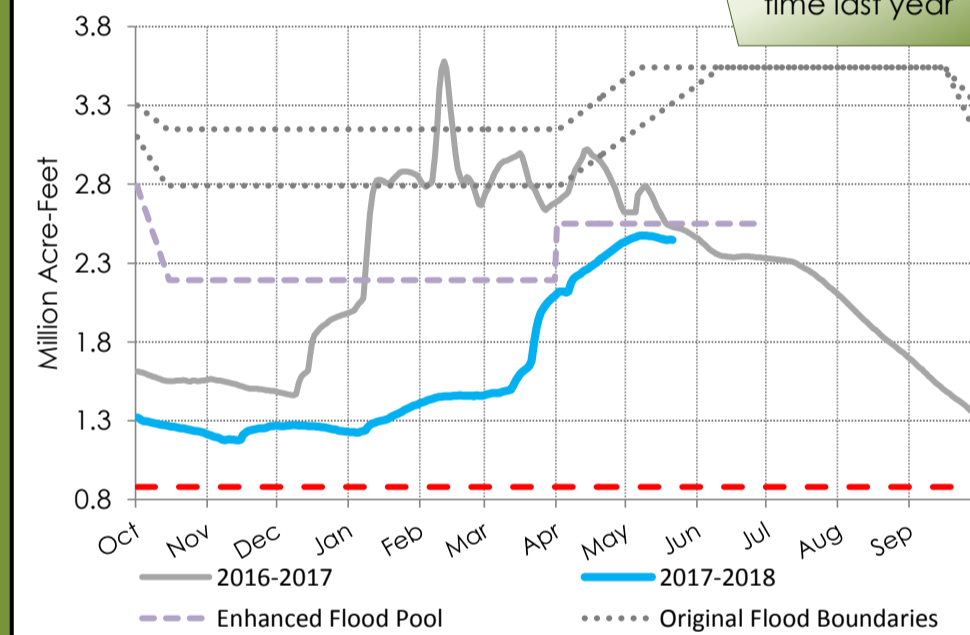
## Northern Sierra Snowpack



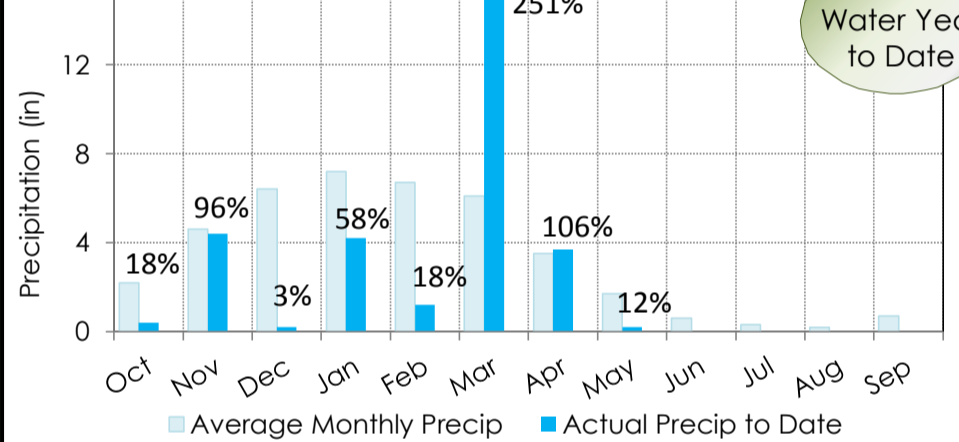
## 8 Station Index Precip



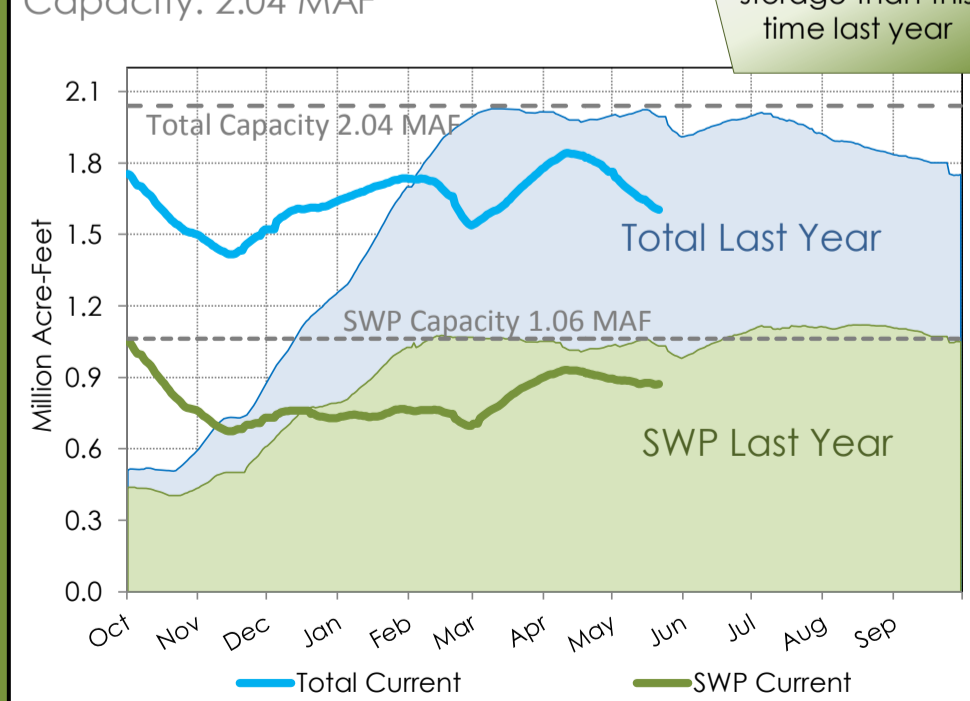
## Oroville Reservoir Storage



## 5 Station Index Precip



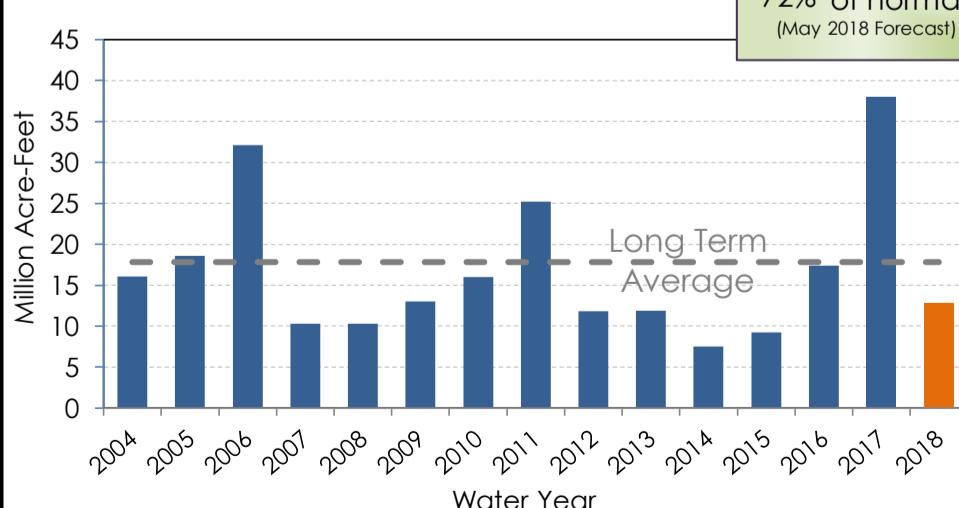
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	16,500
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

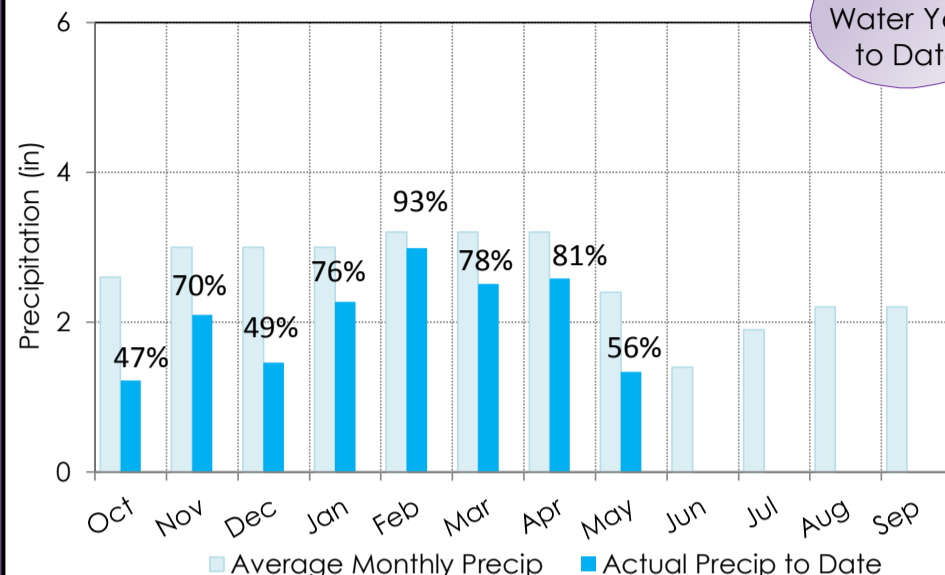
## Sacramento River Runoff



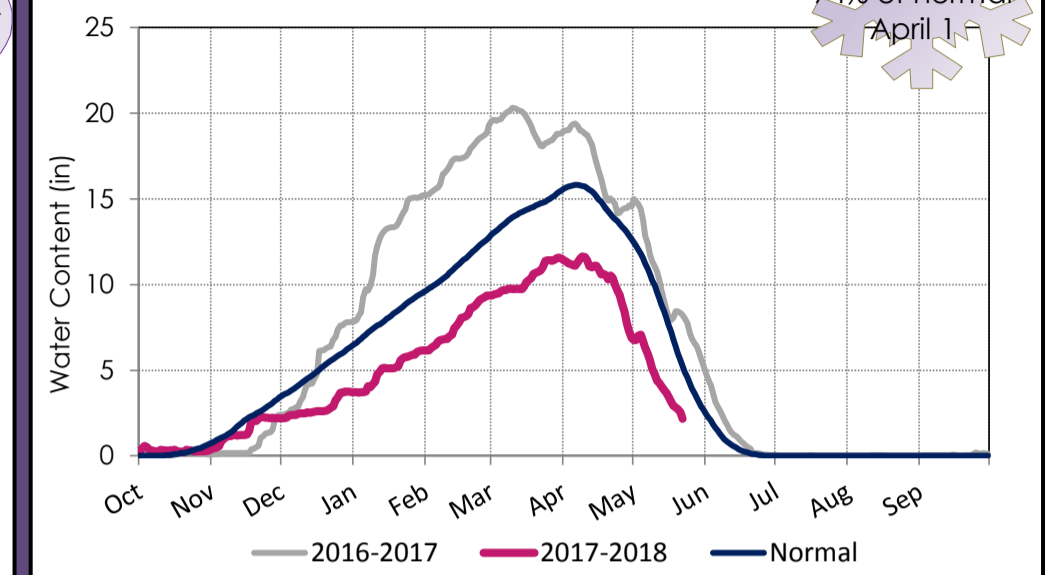
# Colorado River Resources

As of: 05/21/2018

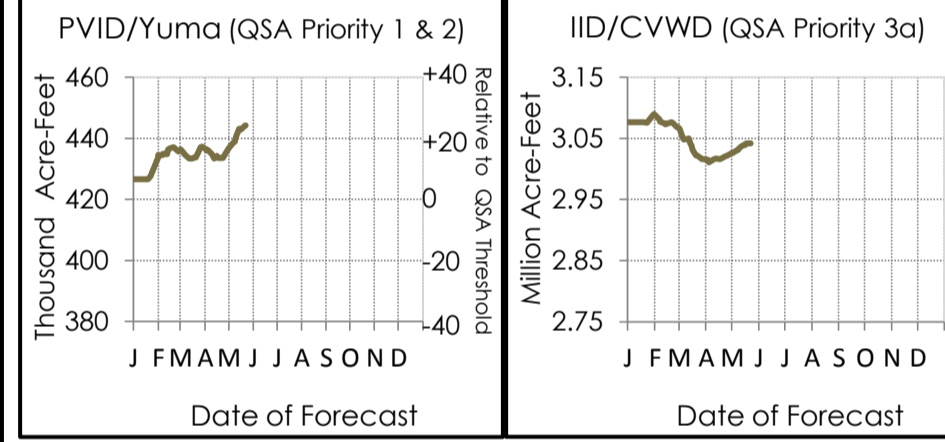
## Upper Colorado Basin Precip



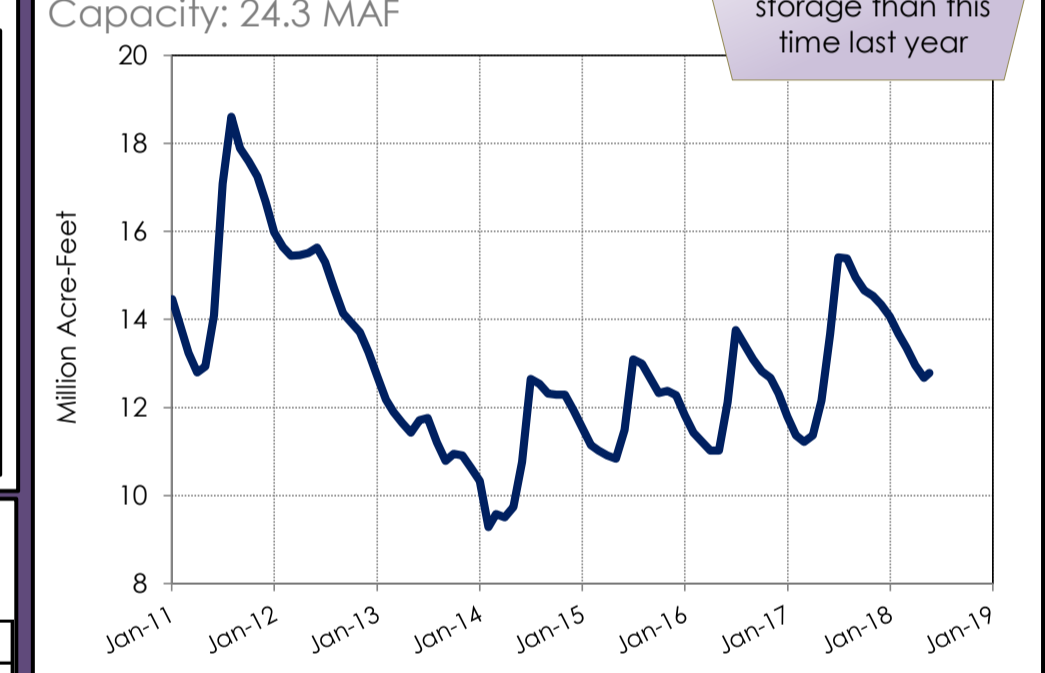
## Upper Colorado Basin Snowpack



## 2017 Colorado River Ag Use



## Lake Powell Storage

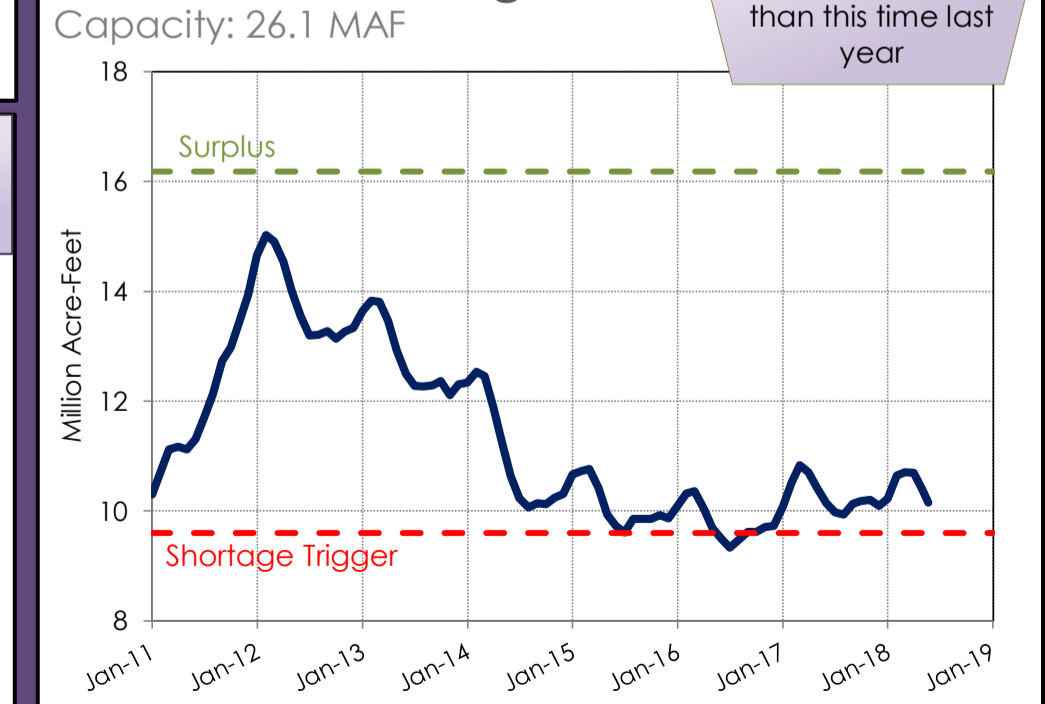


## Lake Mead Shortage/Surplus Outlook

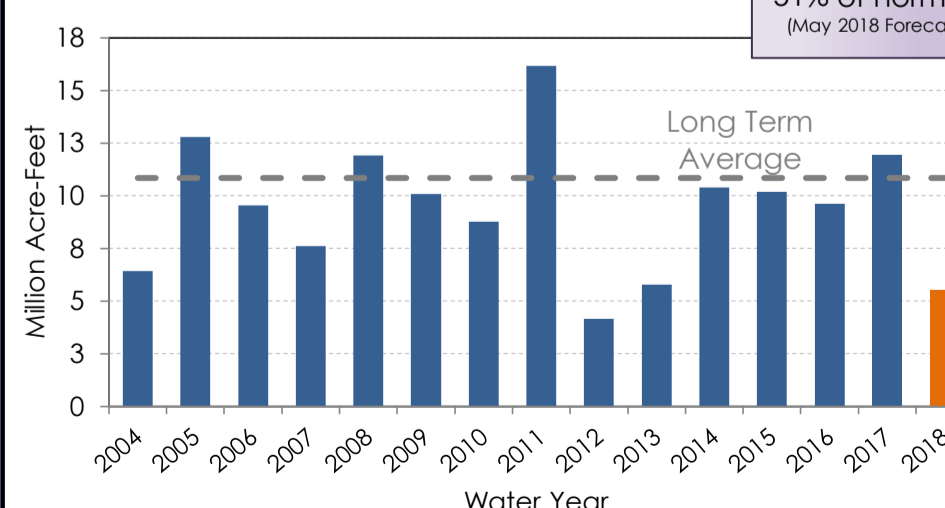
	2019	2020	2021	2022	2023
Shortage	0%	52%	64%	68%	65%
Surplus	0%	0%	3%	6%	10%

Likelihood based on results from the April 2018 USBR MTOM/CRSS model run.

## Lake Mead Storage



## Powell Unregulated Inflow



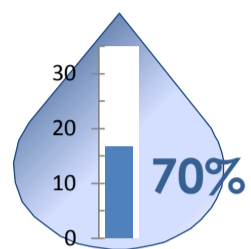


# Water Supply Conditions Report

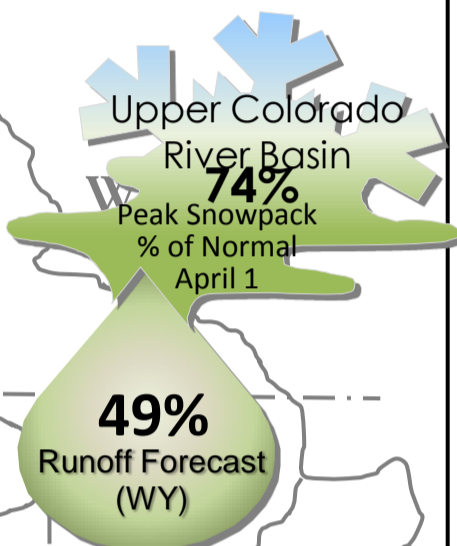
As of: 06/04/2018

## 2018 Colorado River

872,205 AF  
70% of full CRA  
Does not include storage withdrawals



16.8"



24.3 MAF

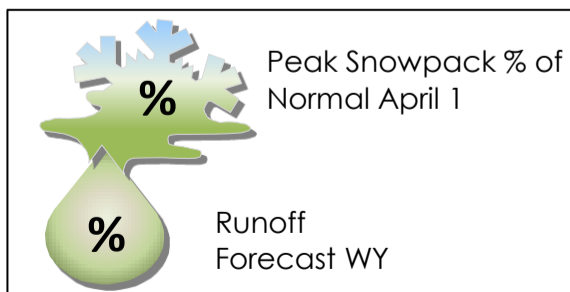
53%

POWELL  
12.93 MAF

26.1 MAF

38%

MEAD  
9.99 MAF  
1079.73 FT



Turn page for more CRA Data

Flip Over for SWP

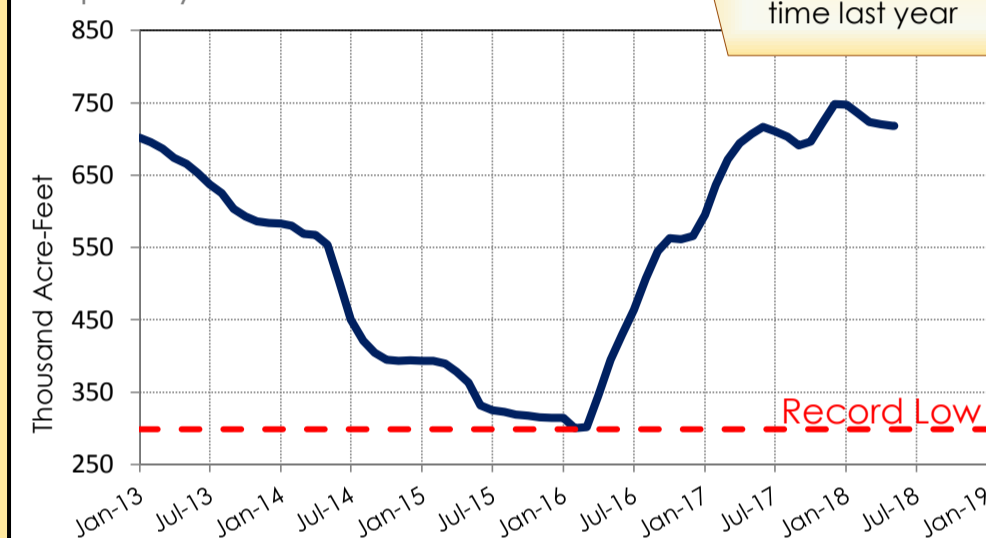
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 49% of normal

## Diamond Valley Lake Storage

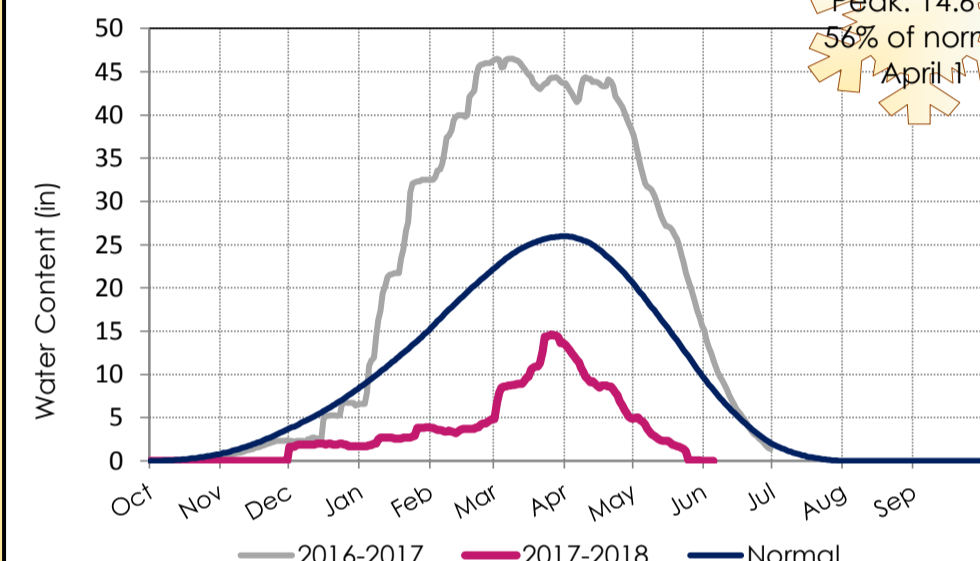
Capacity: 810 TAF

10 TAF more in storage than this time last year

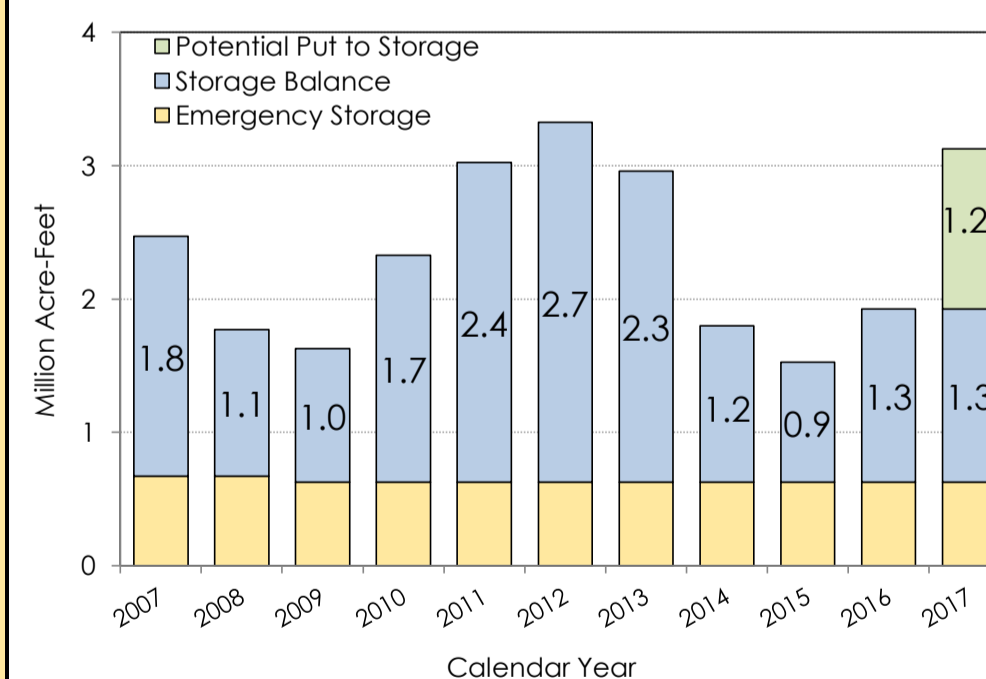


## Southern Sierra Snowpack

Peak: 14.6 in. 56% of normal April 1



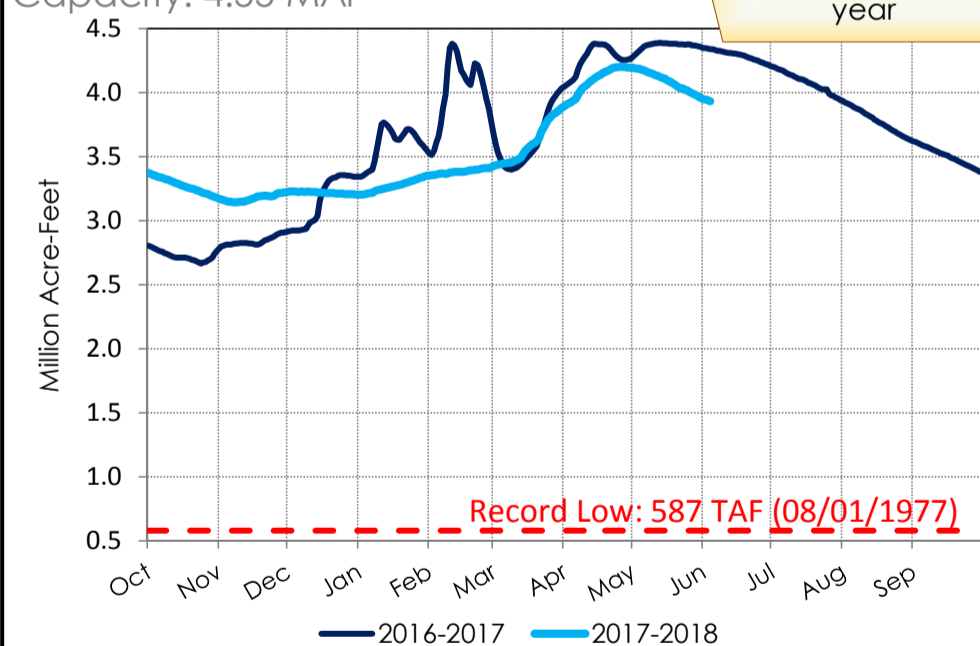
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

409 TAF less in storage than this time last year



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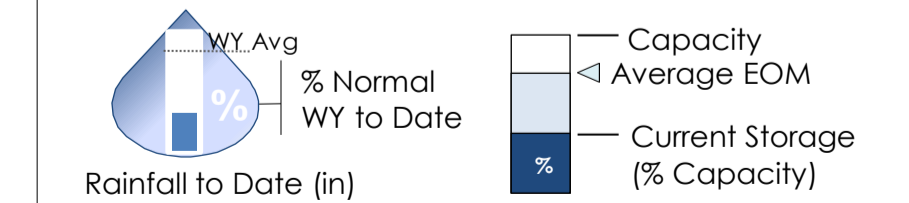
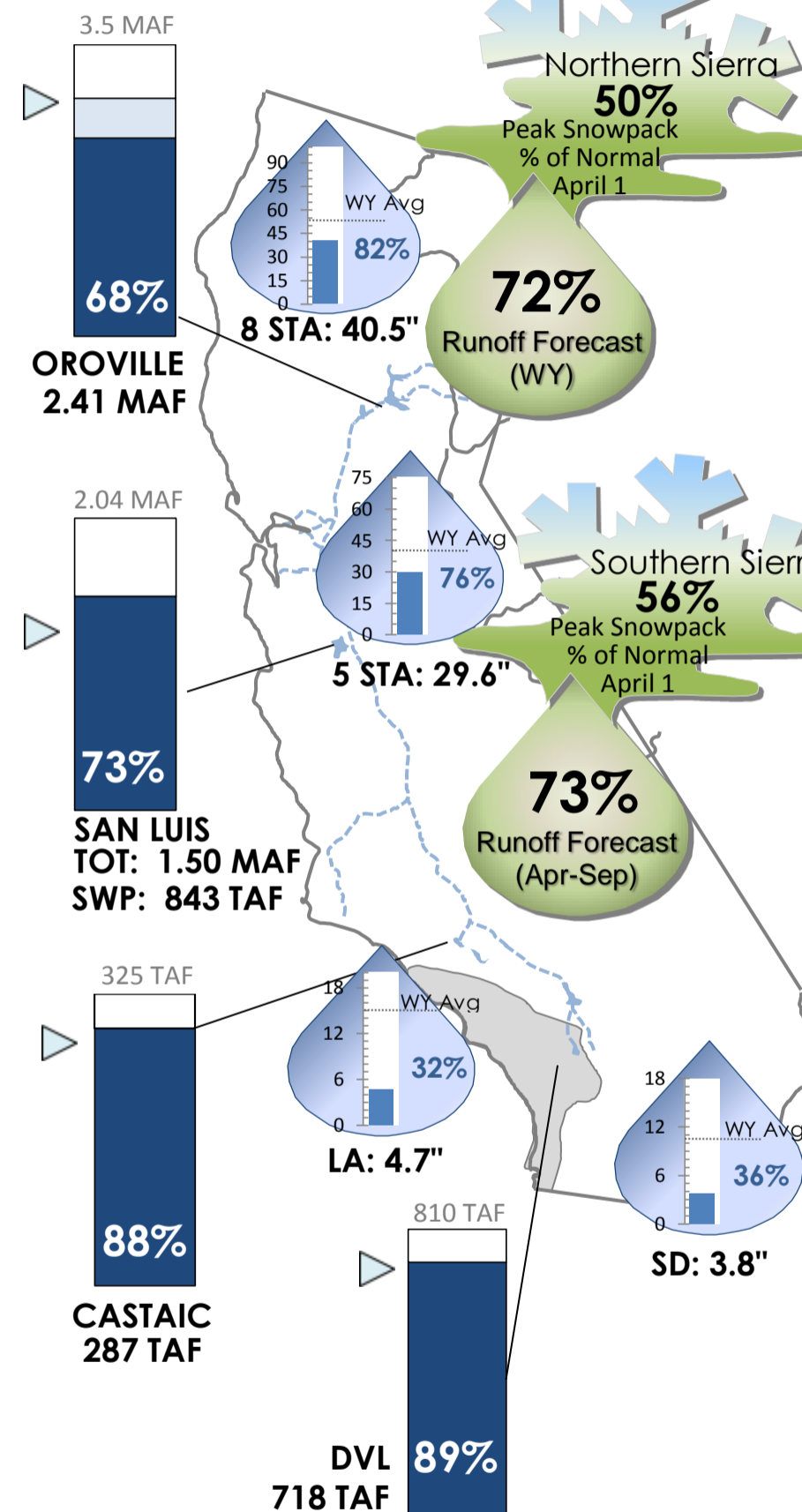


# Water Supply Conditions Report

As of: 06/04/2018

## 2018 SWP Allocation

669,025 AF  
35% of Table A



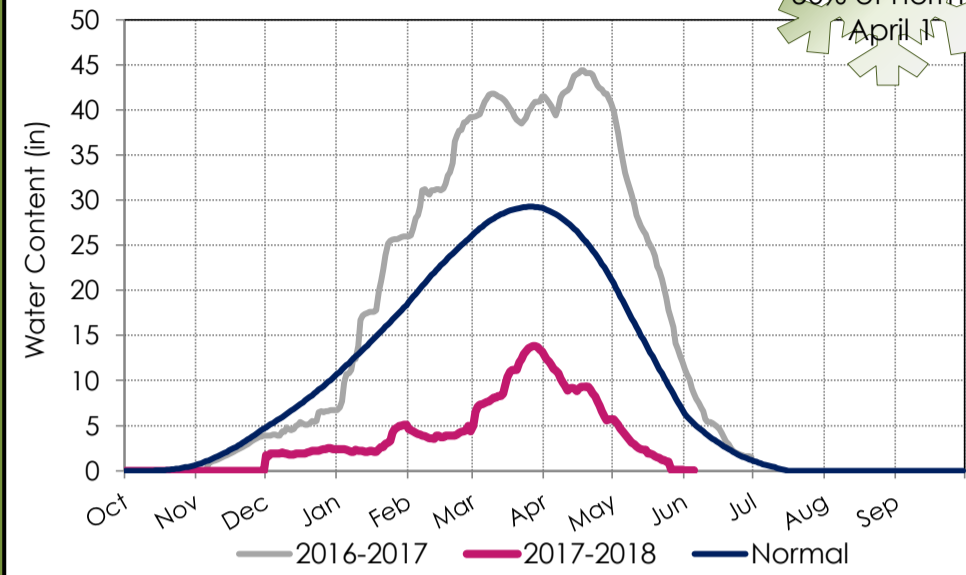
Flip Over for CRA Data

Turn page for more SWP Data

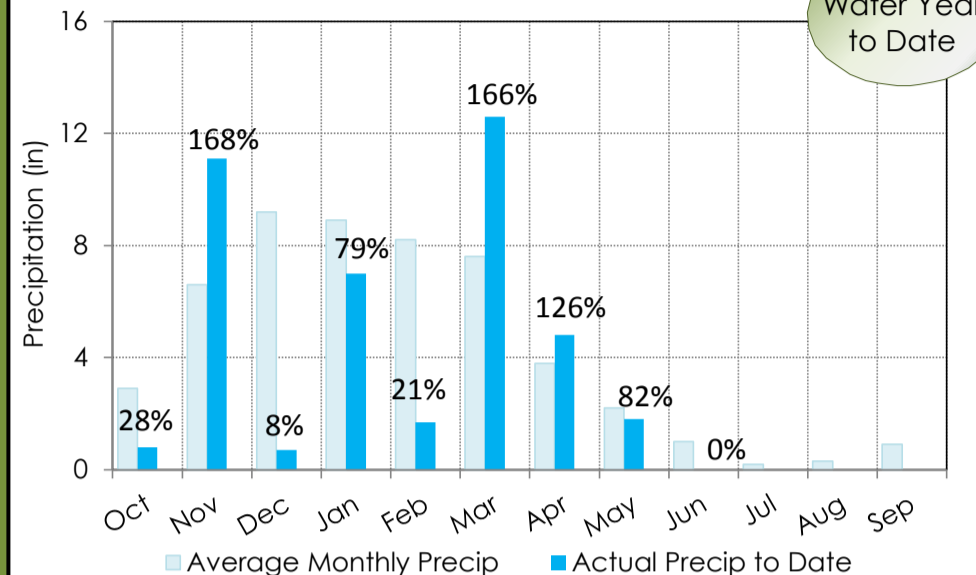
As of: 06/04/2018

# State Water Project Resources

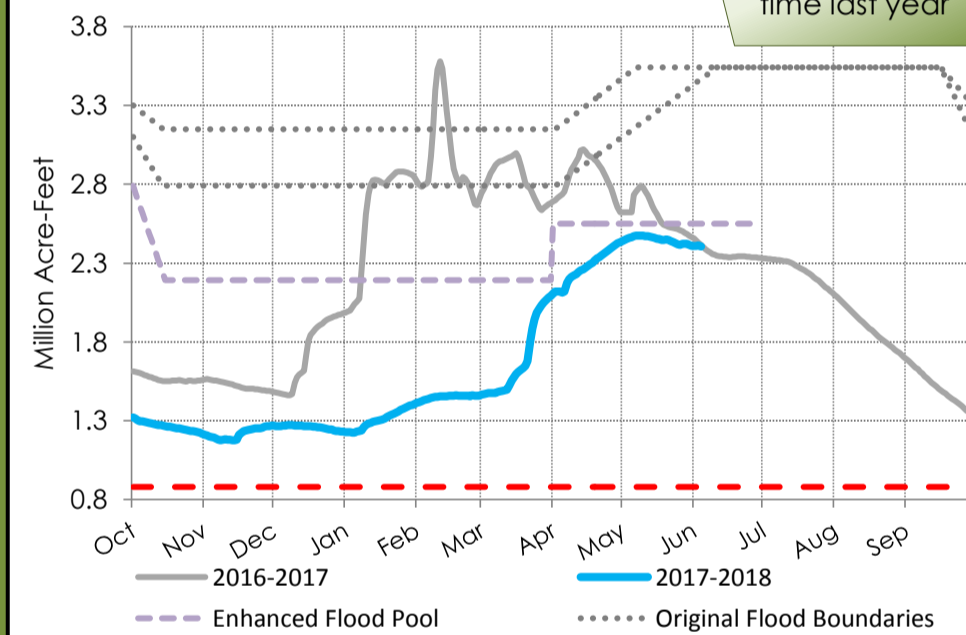
## Northern Sierra Snowpack



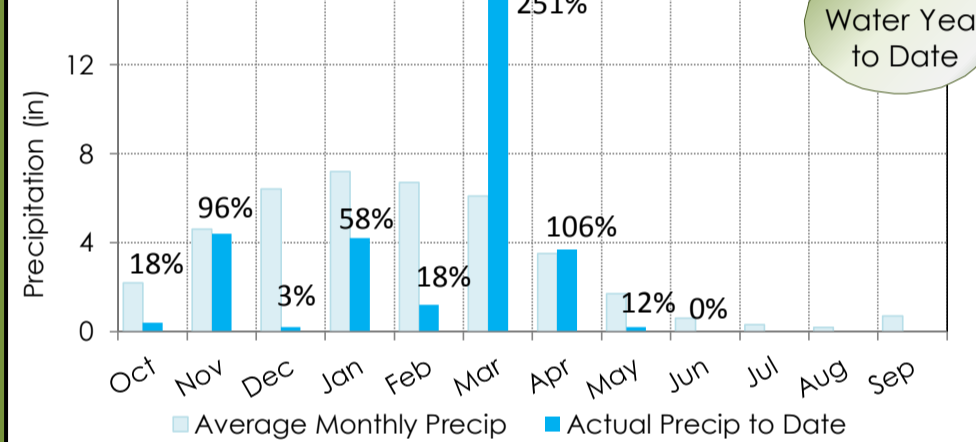
## 8 Station Index Precip



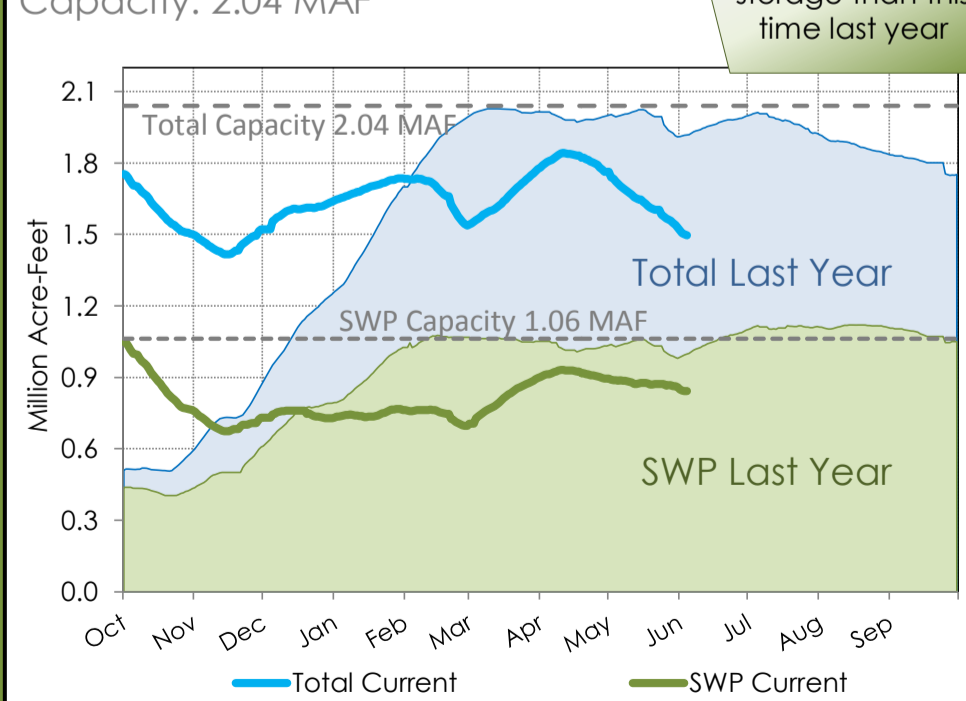
## Oroville Reservoir Storage



## 5 Station Index Precip



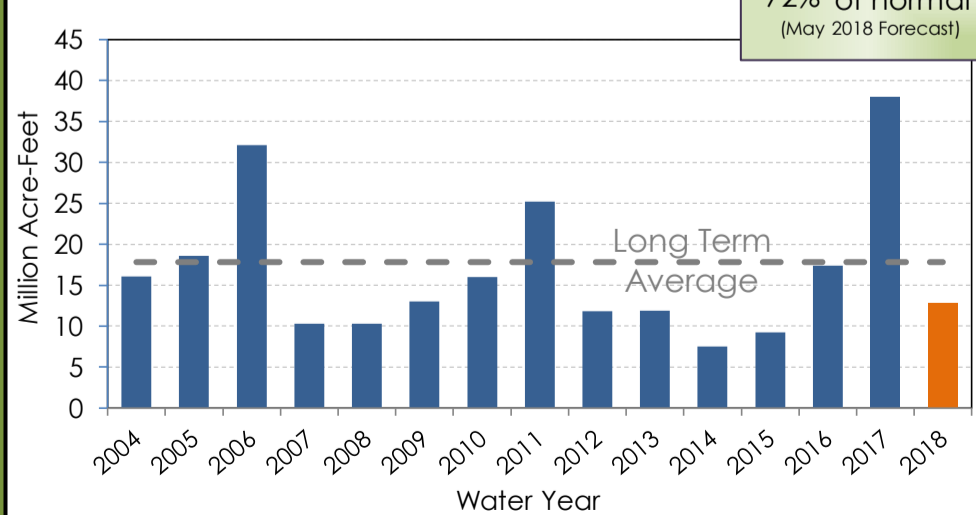
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	16,500
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

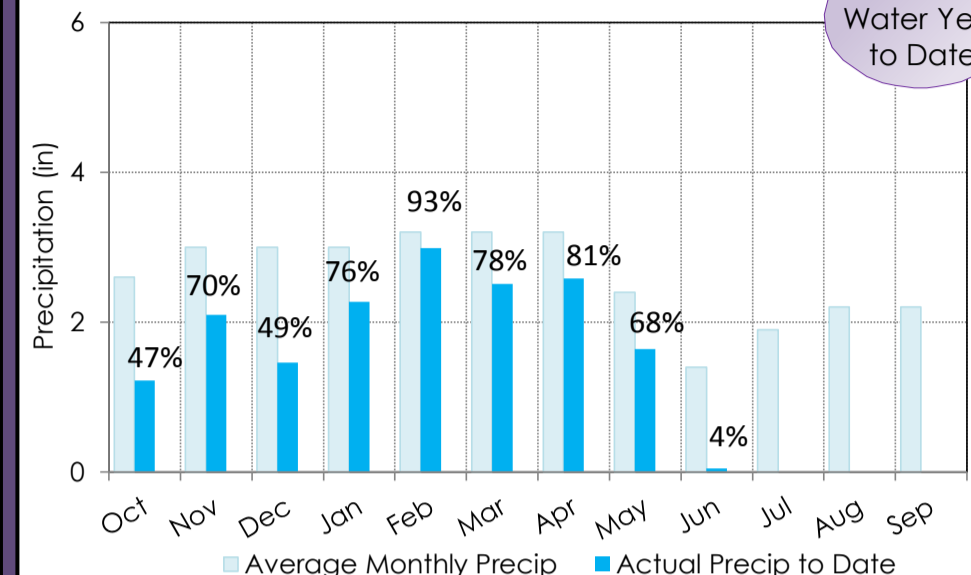
## Sacramento River Runoff



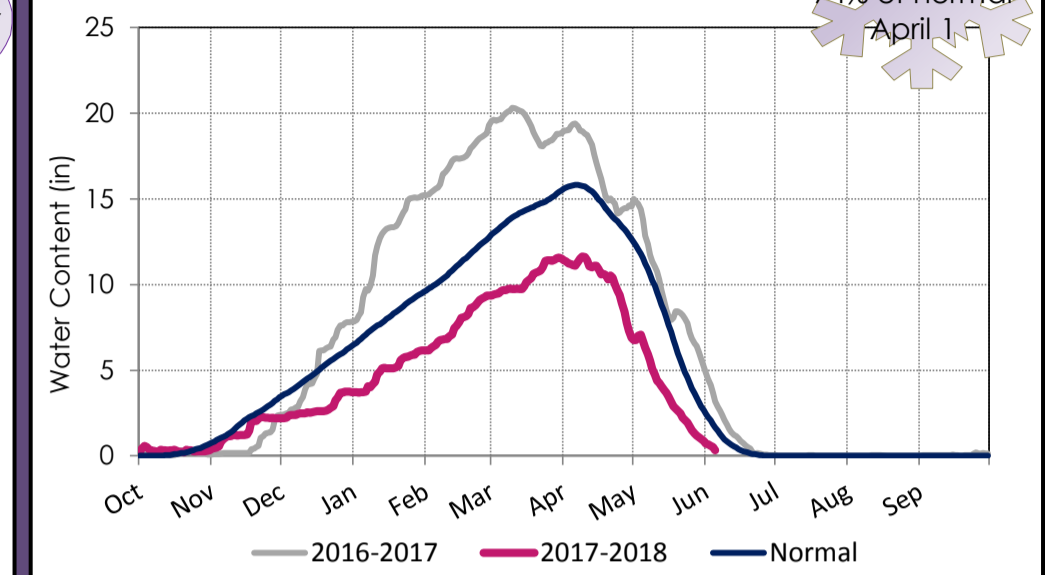
# Colorado River Resources

As of: 06/04/2018

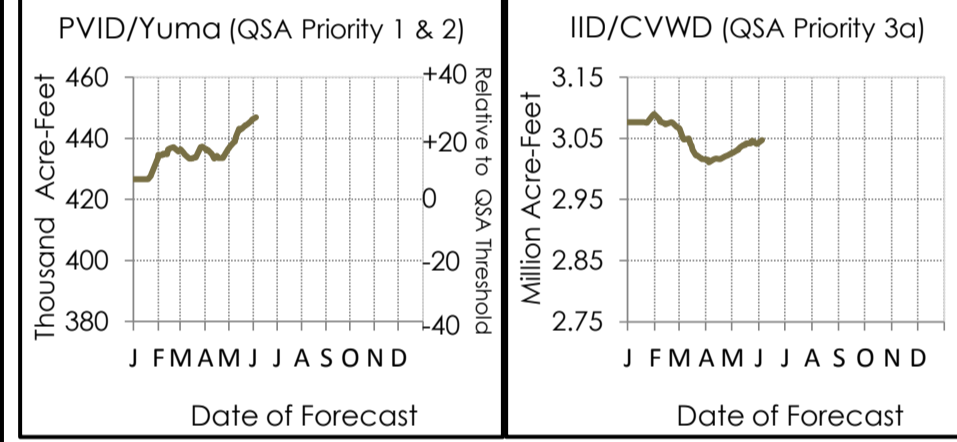
## Upper Colorado Basin Precip



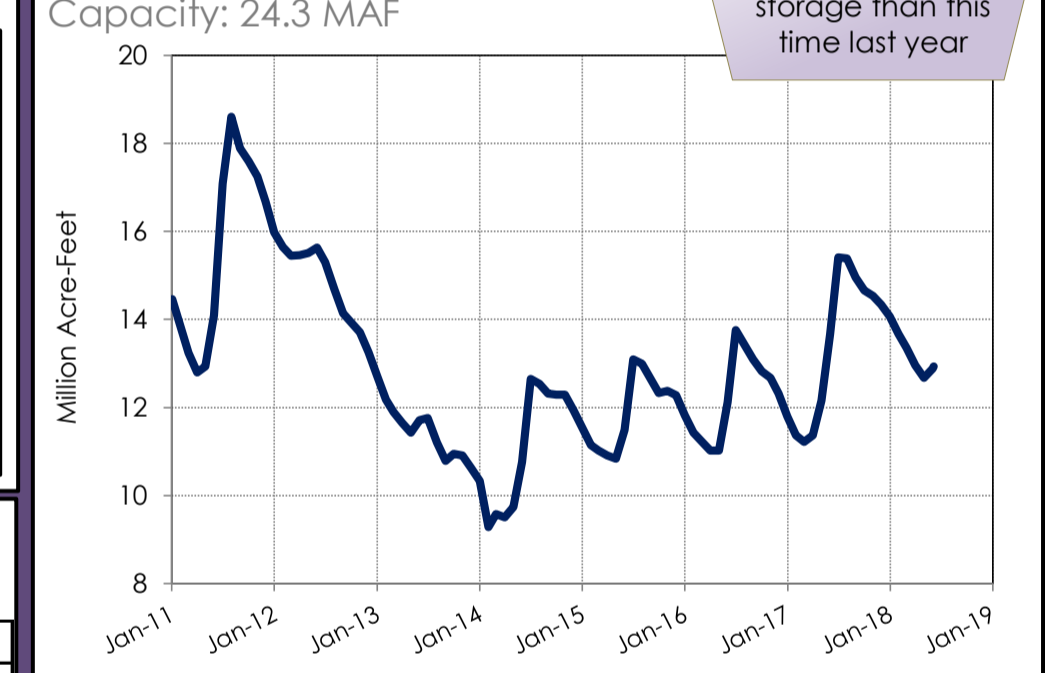
## Upper Colorado Basin Snowpack



## 2017 Colorado River Ag Use



## Lake Powell Storage

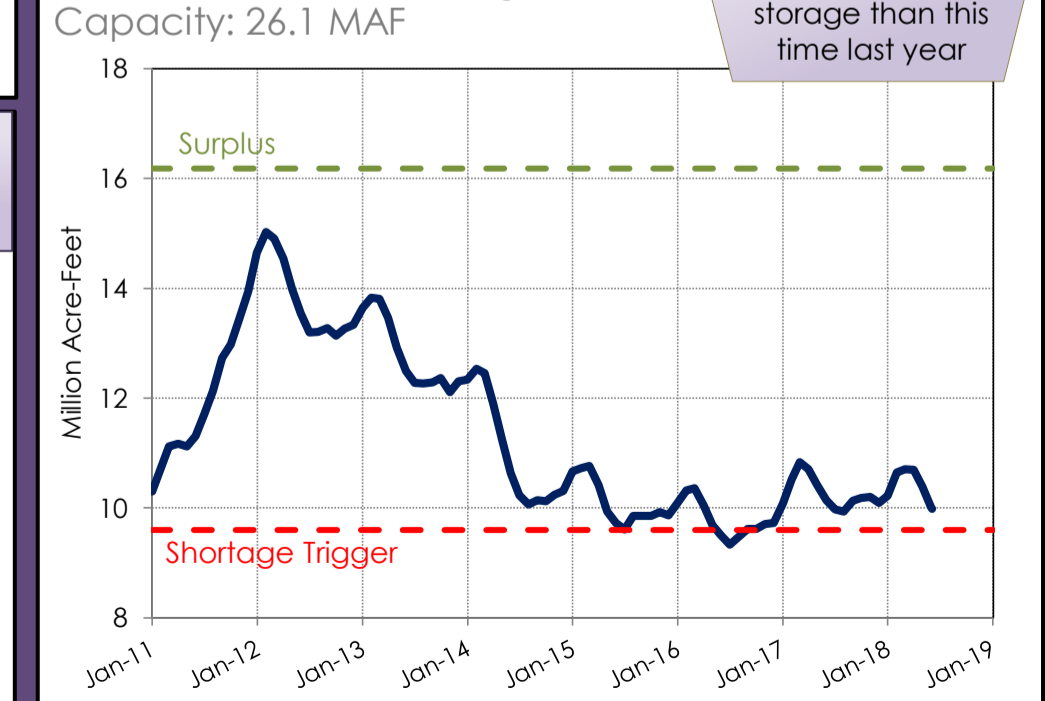


## Lake Mead Shortage/Surplus Outlook

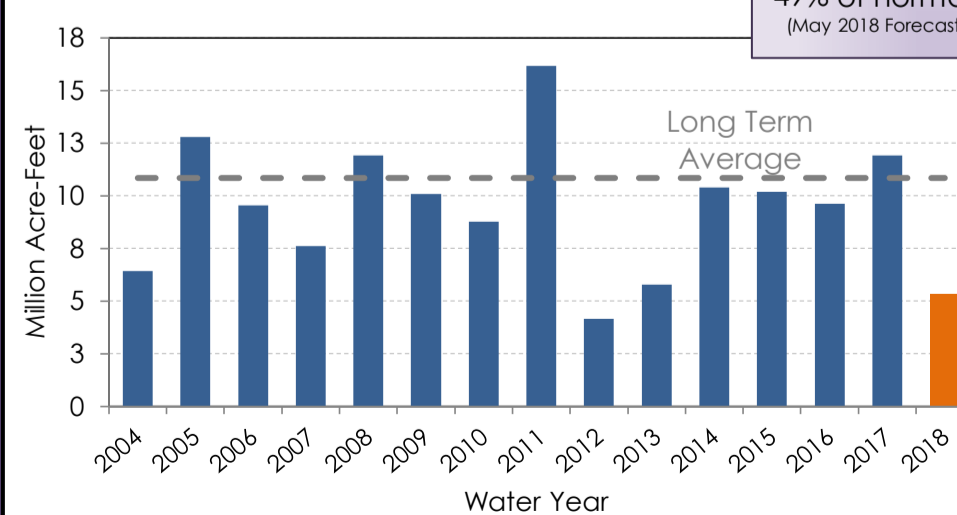
	2019	2020	2021	2022	2023
Shortage	0%	52%	64%	68%	65%
Surplus	0%	0%	3%	6%	10%

Likelihood based on results from the April 2018 USBR MTOM/CRSS model run.

## Lake Mead Storage



## Powell Unregulated Inflow







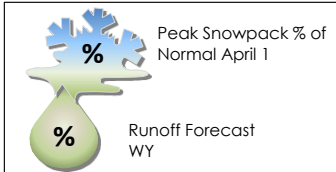
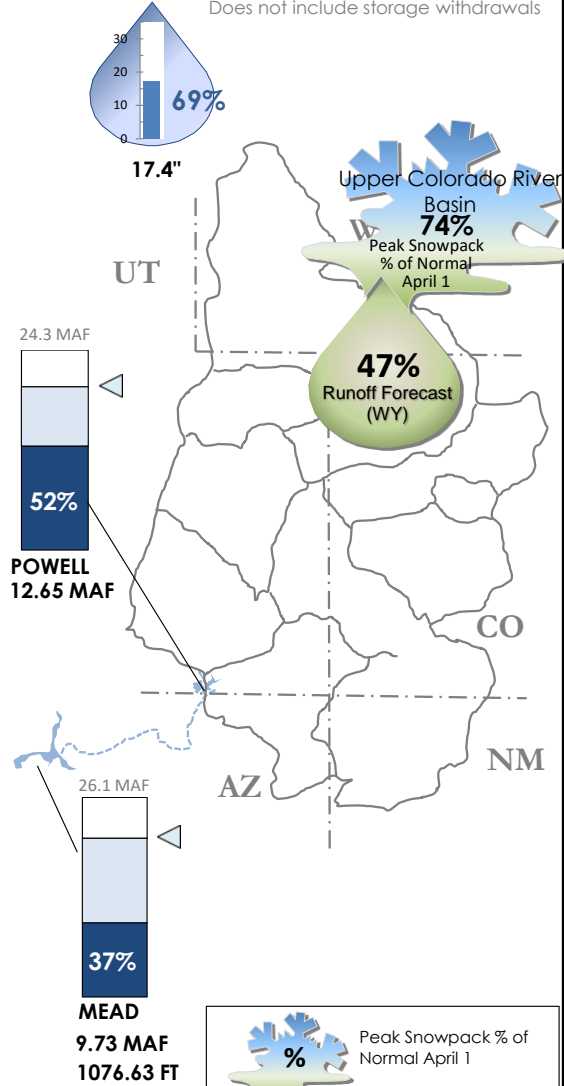
# Water Supply Conditions Report

As of: 07/04/2018

## 2018 Colorado River

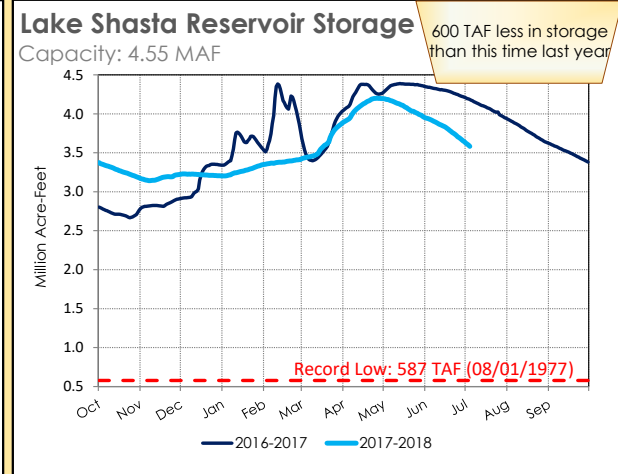
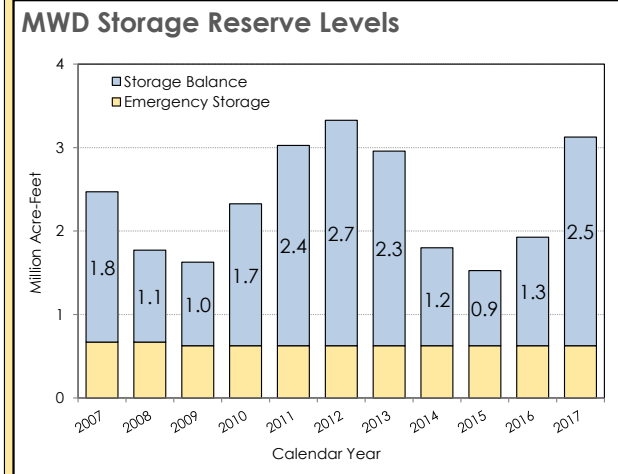
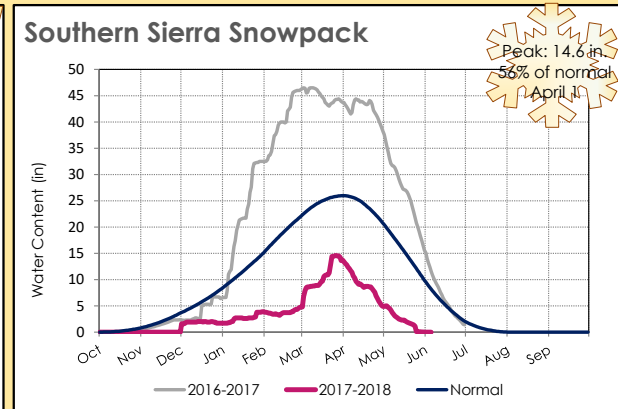
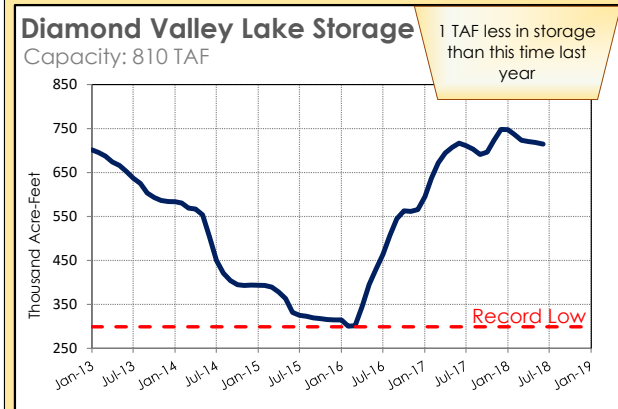
827,359 AF  
66% of full CRA

Does not include storage withdrawals



### Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 47% of normal



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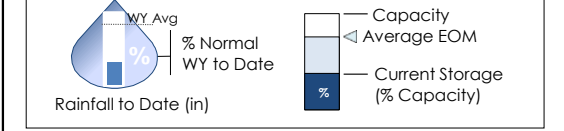
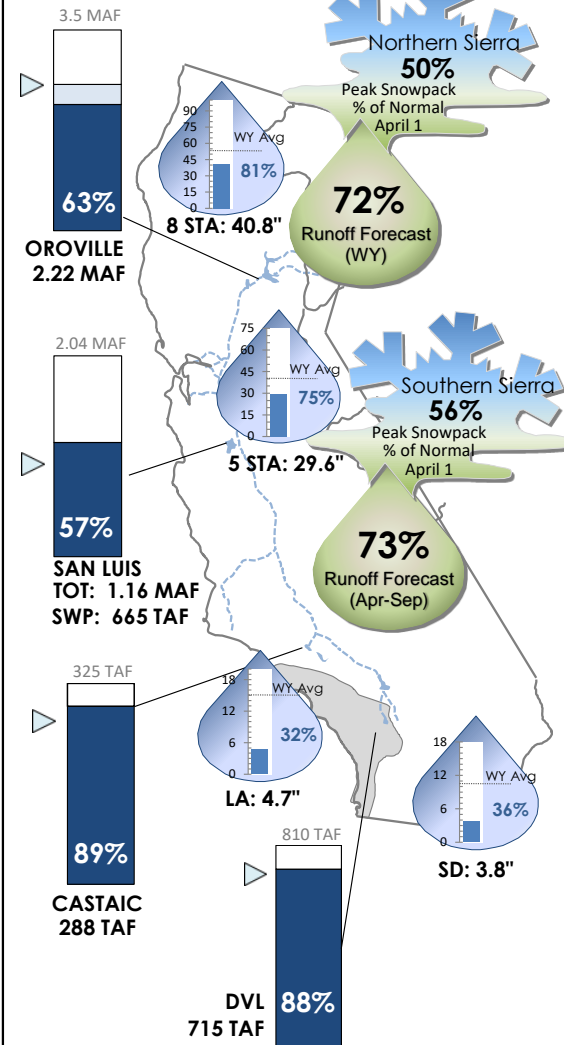


# Water Supply Conditions Report

As of: 07/04/2018

## 2018 SWP Allocation

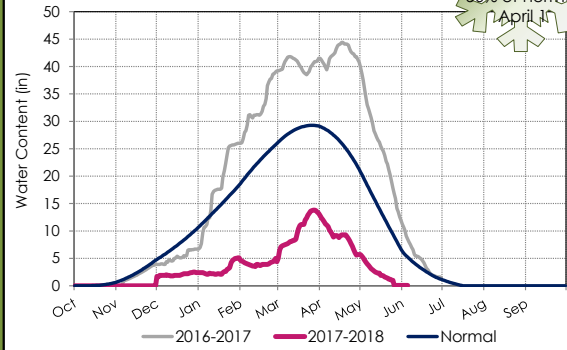
669,025 AF  
35% of Table A



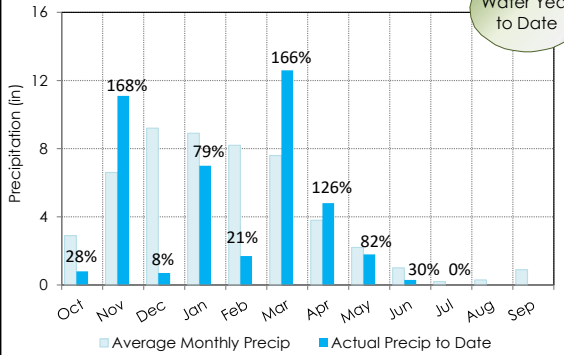
As of: 07/04/2018

# State Water Project Resources

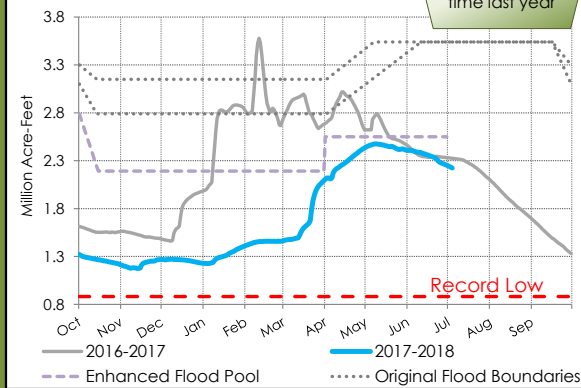
## Northern Sierra Snowpack



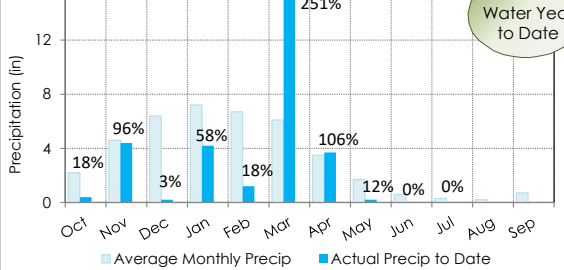
## 8 Station Index Precip



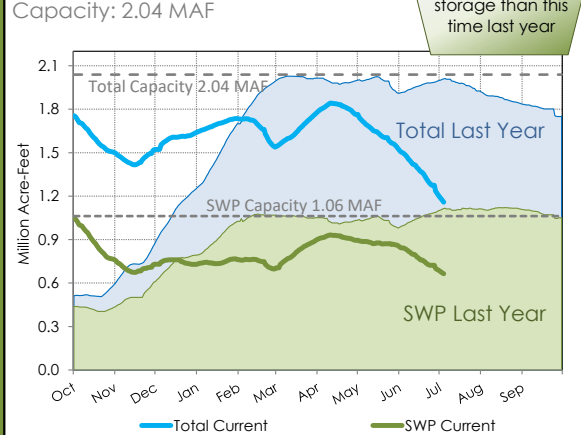
## Oroville Reservoir Storage



## 5 Station Index Precip



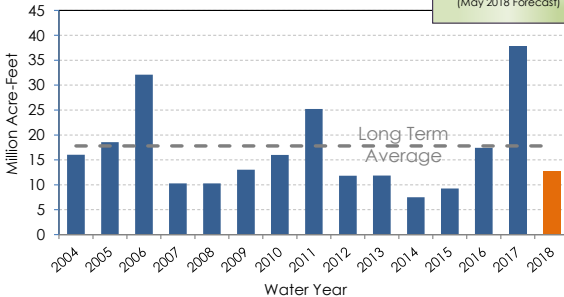
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	16,500
Article 14b	27,500
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

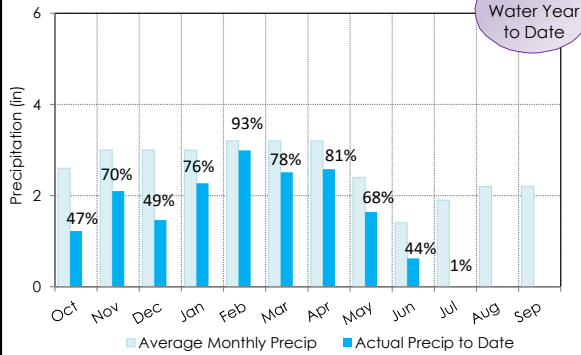
## Sacramento River Runoff



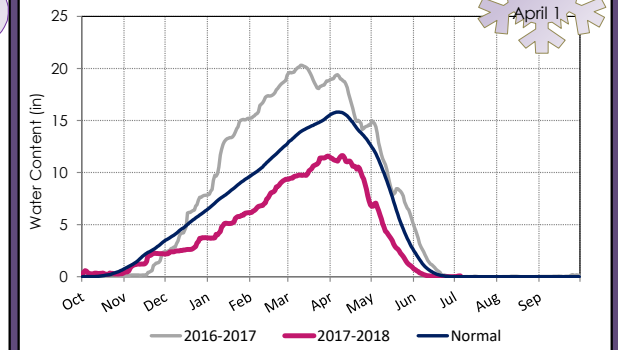
# Colorado River Resources

As of: 07/04/2018

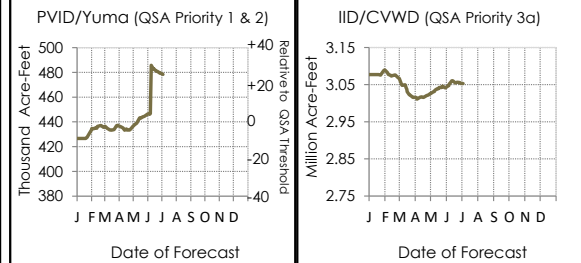
## Upper Colorado Basin Precip



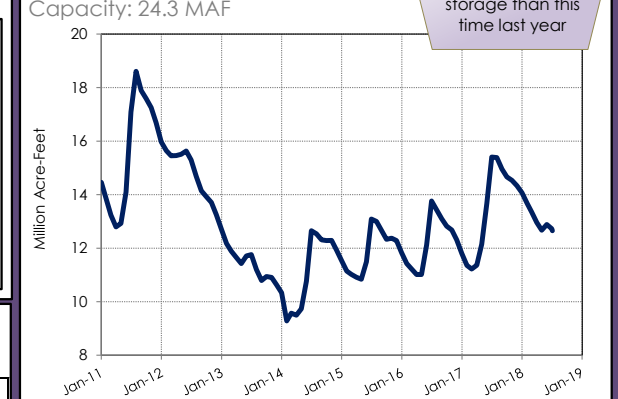
## Upper Colorado Basin Snowpack



## 2017 Colorado River Ag Use



## Lake Powell Storage

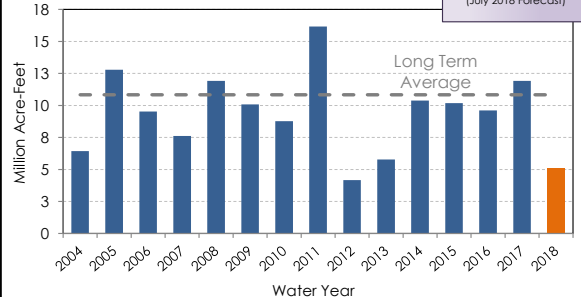


## Lake Mead Shortage/Surplus Outlook

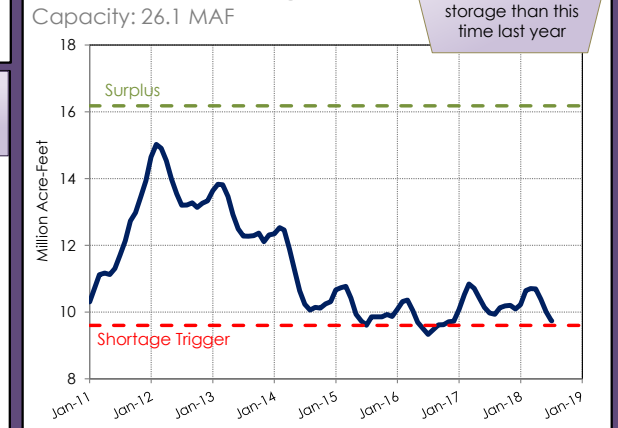
	2019	2020	2021	2022	2023
Shortage	0%	52%	64%	68%	65%
Surplus	0%	0%	3%	6%	10%

Likelihood based on results from the April 2018 USBR MTOM/CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage



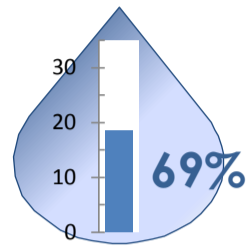


# Water Supply Conditions Report

As of: 07/31/2018

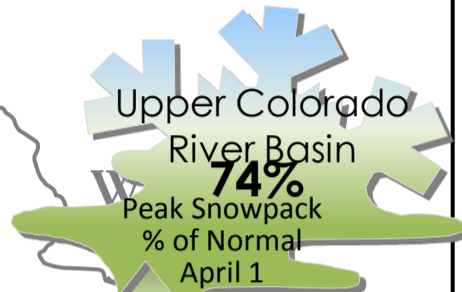
## 2018 Colorado River

837,627 AF  
67% of full CRA  
Does not include storage withdrawals

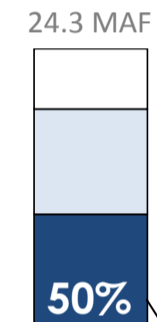


18.6"

UT

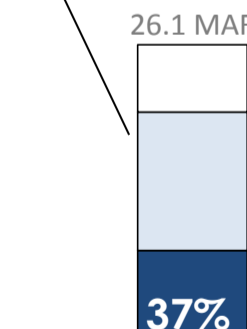


46%  
Runoff Forecast (WY)

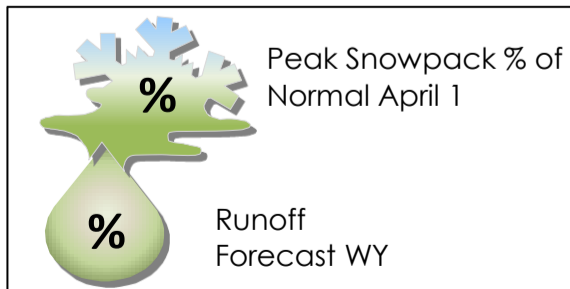


POWELL  
12.12 MAF

CO



MEAD  
9.8 MAF  
1077.43 FT



Turn page for more CRA Data

Flip Over for SWP

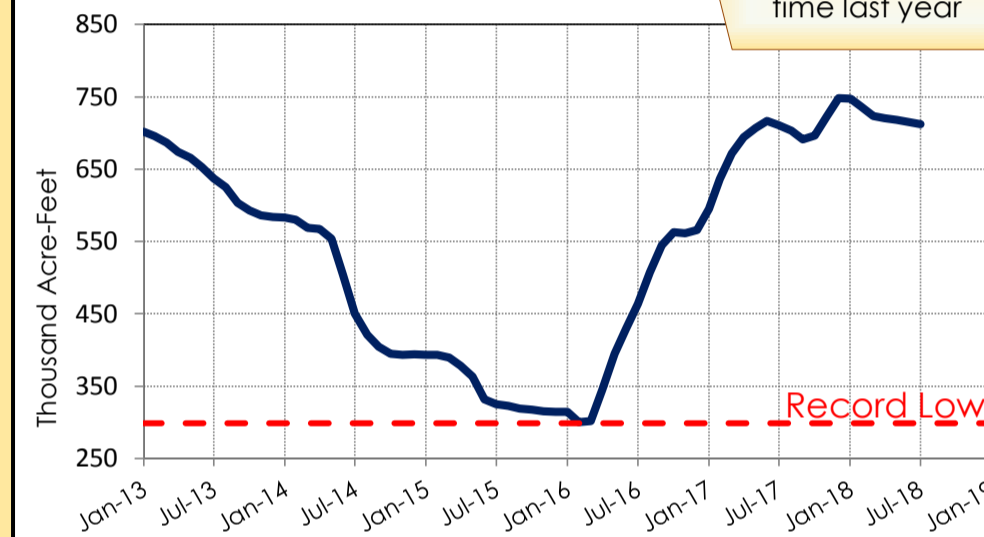
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 46% of normal

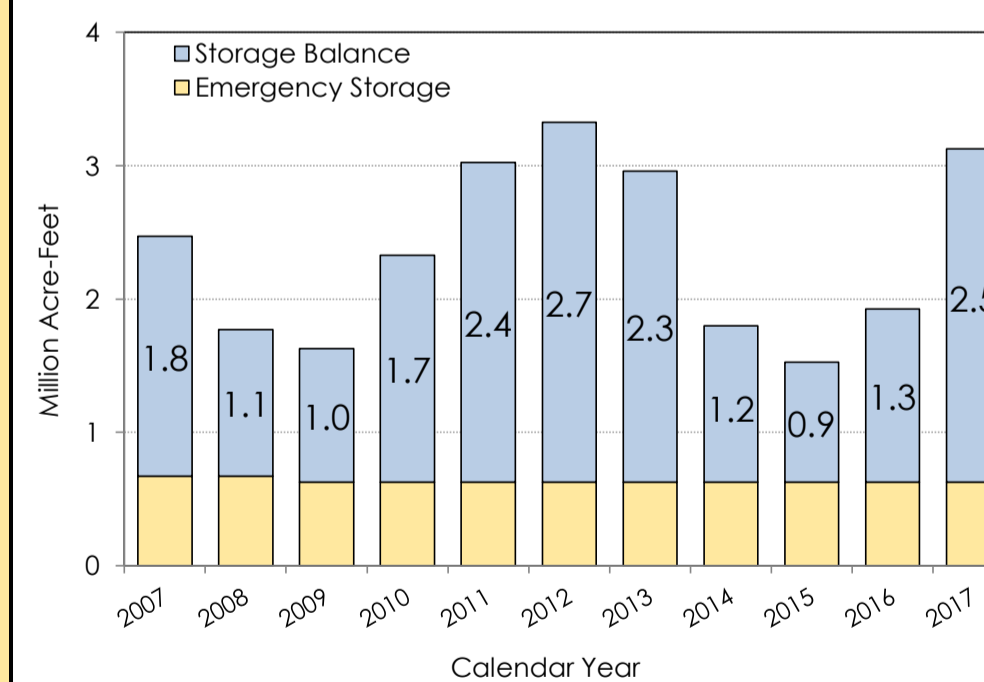
## Diamond Valley Lake Storage

Capacity: 810 TAF

1 TAF more in storage than this time last year



## MWD Storage Reserve Levels

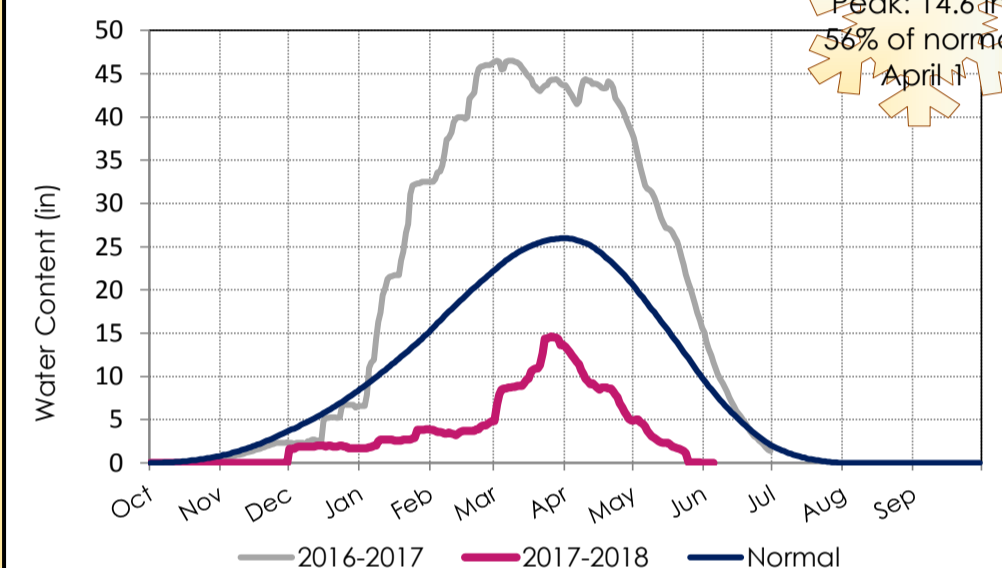


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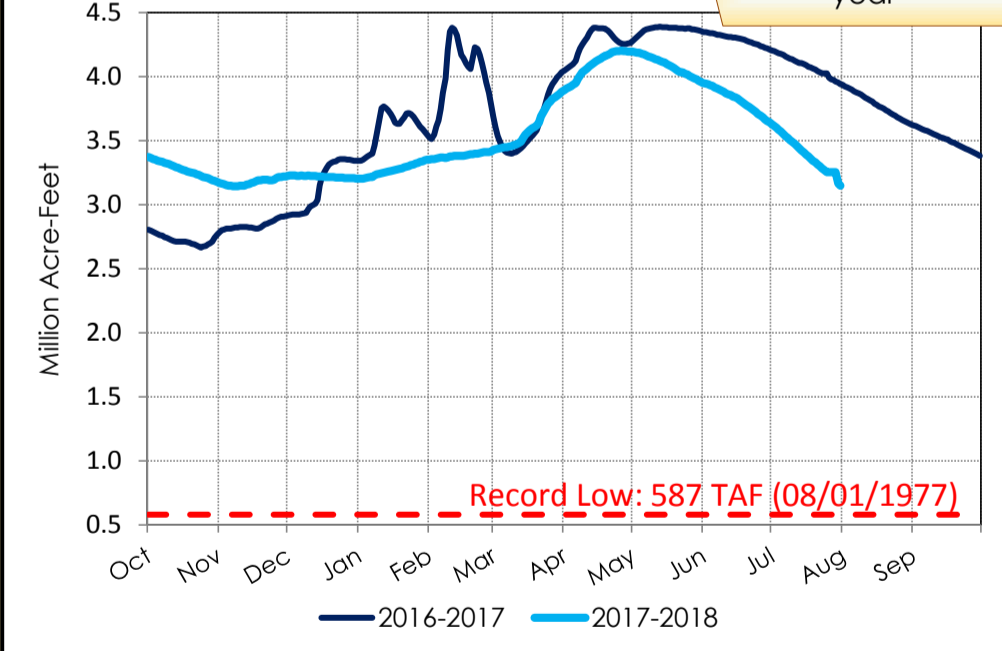
## Southern Sierra Snowpack



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

795 TAF less in storage than this time last year

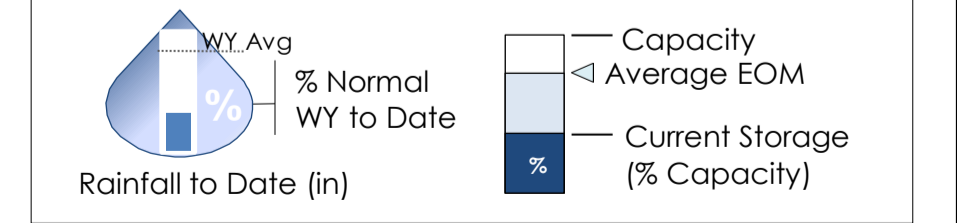
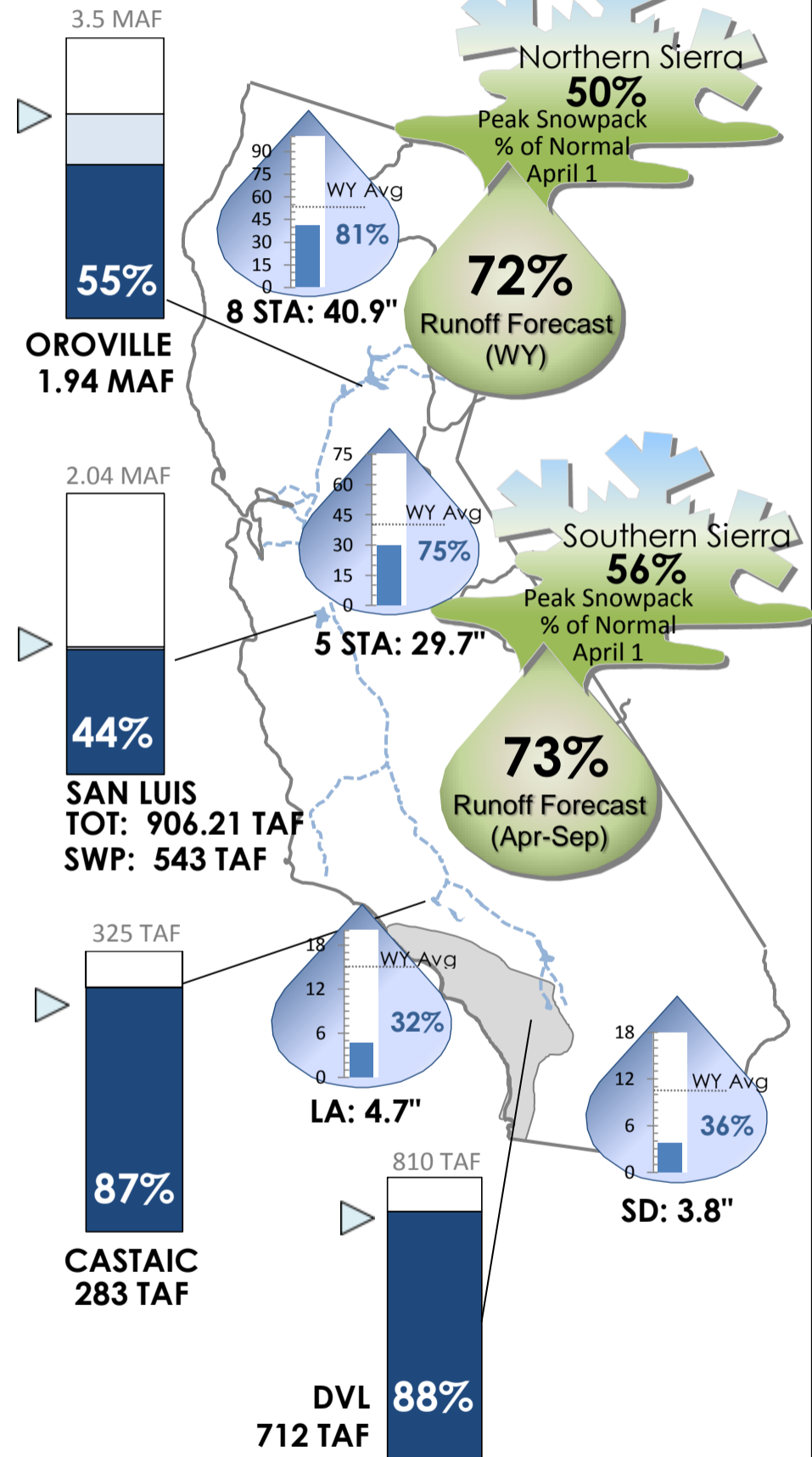


# Water Supply Conditions Report

As of: 07/31/2018

## 2018 SWP Allocation

669,025 AF  
35% of Table A



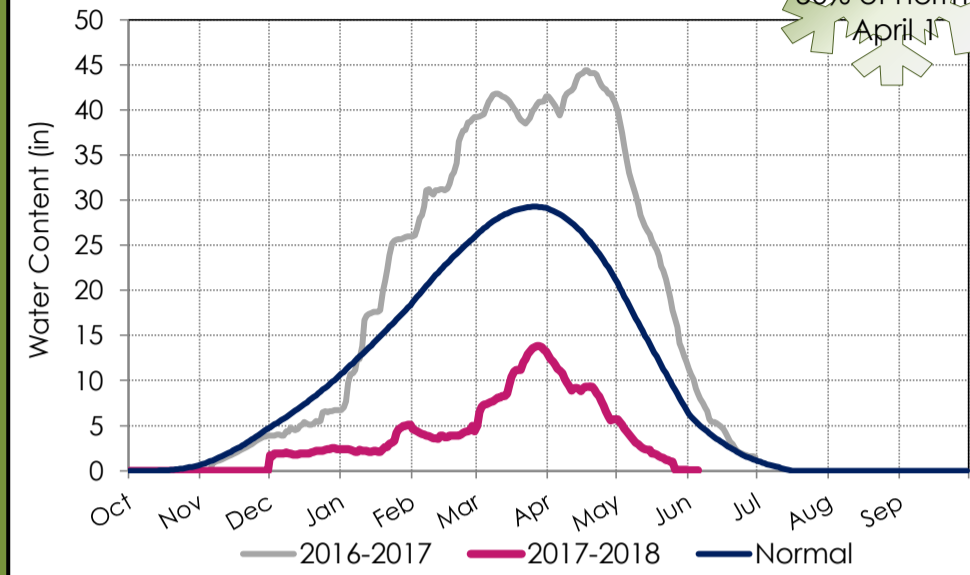
Flip Over for CRA Data

Turn page for more SWP Data

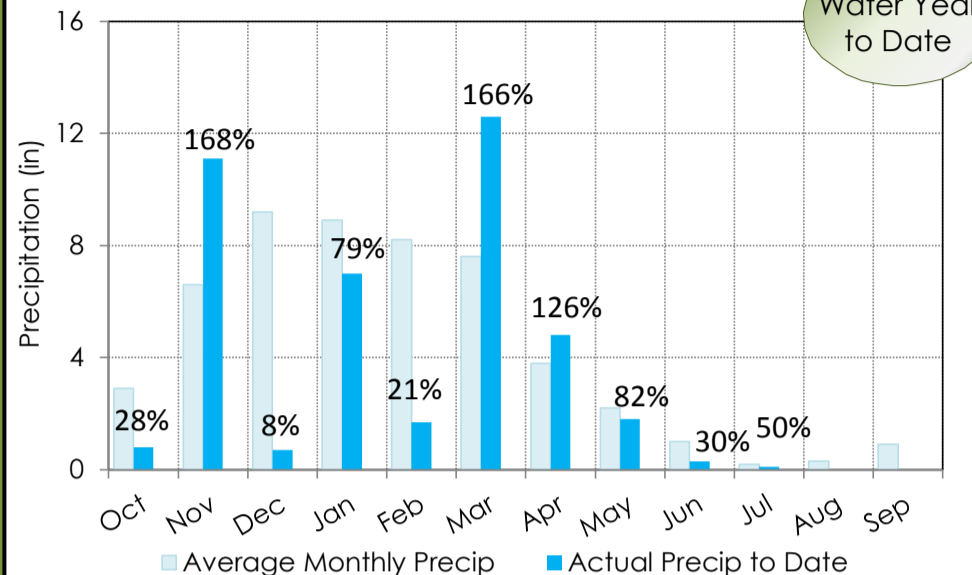
As of: 07/31/2018

# State Water Project Resources

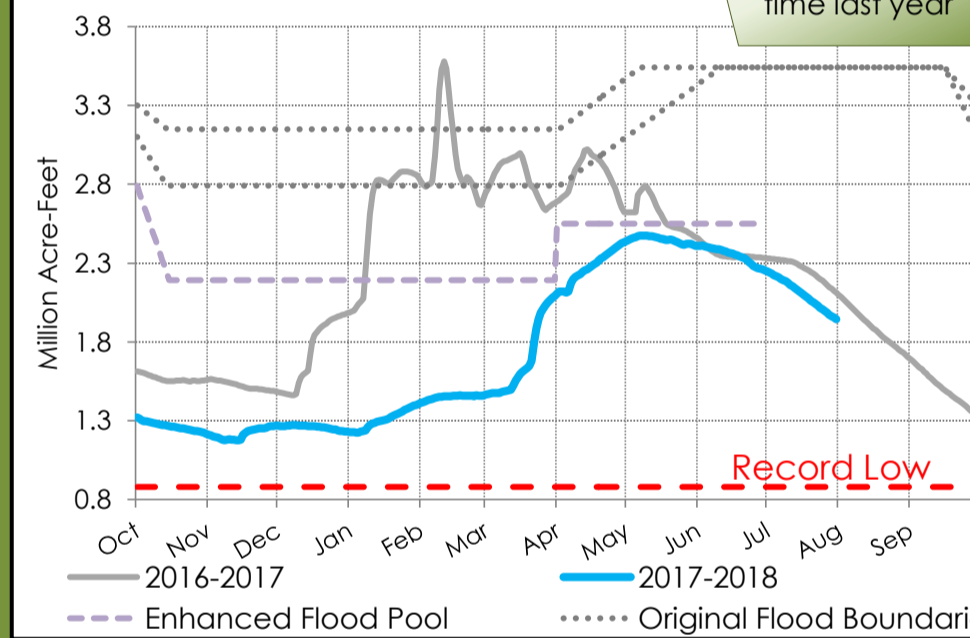
## Northern Sierra Snowpack



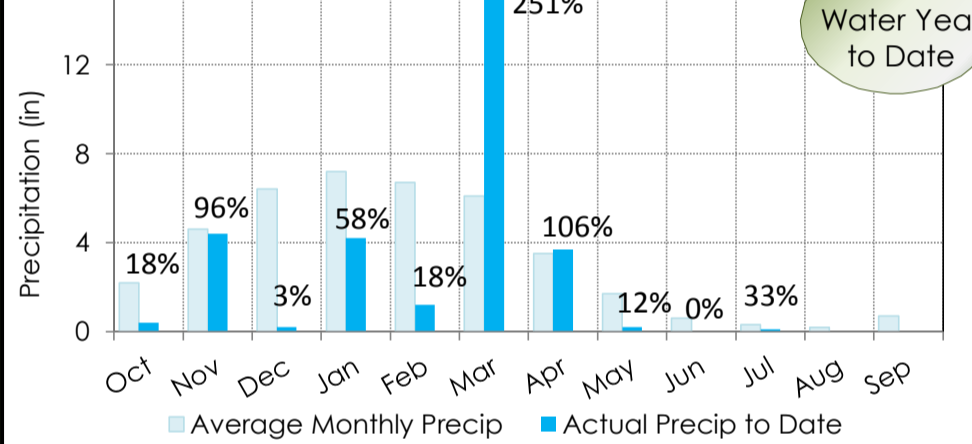
## 8 Station Index Precip



## Oroville Reservoir Storage



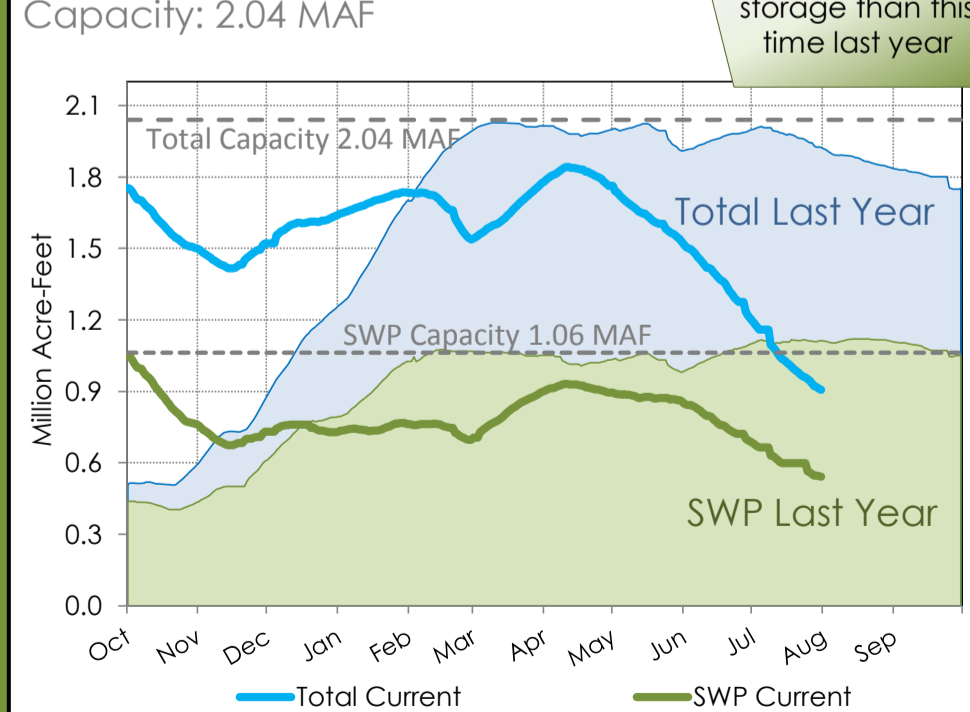
## 5 Station Index Precip



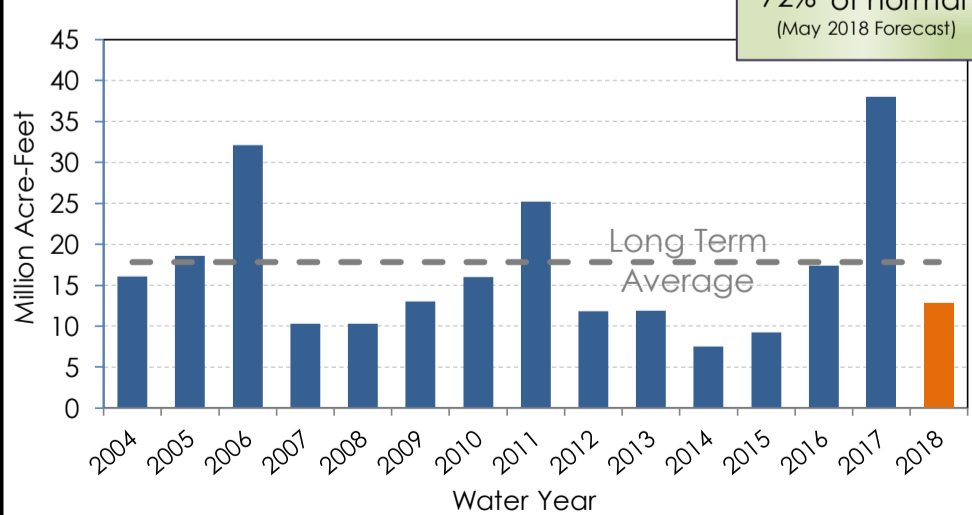
## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	16,500
Article 14b	27,500
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

## San Luis Reservoir Storage



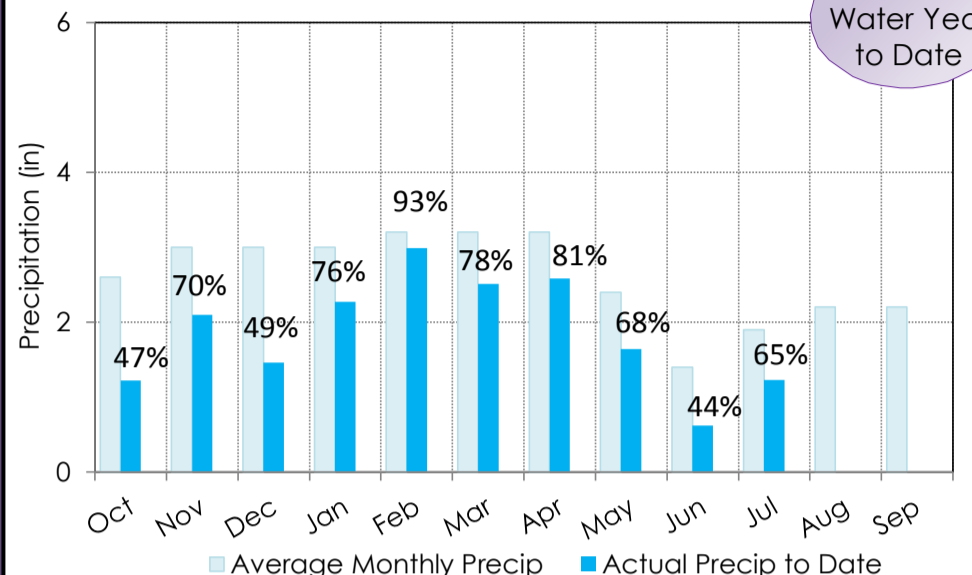
## Sacramento River Runoff



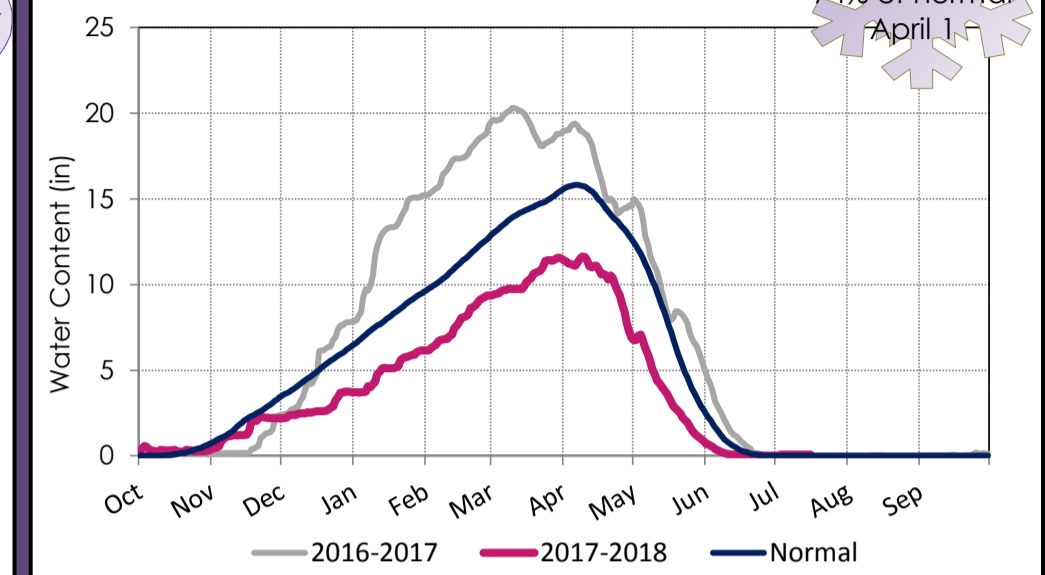
# Colorado River Resources

As of: 07/31/2018

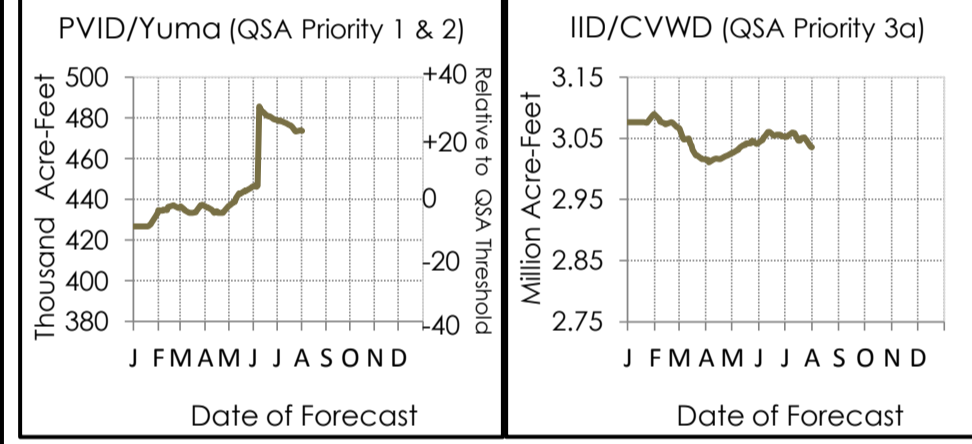
## Upper Colorado Basin Precip



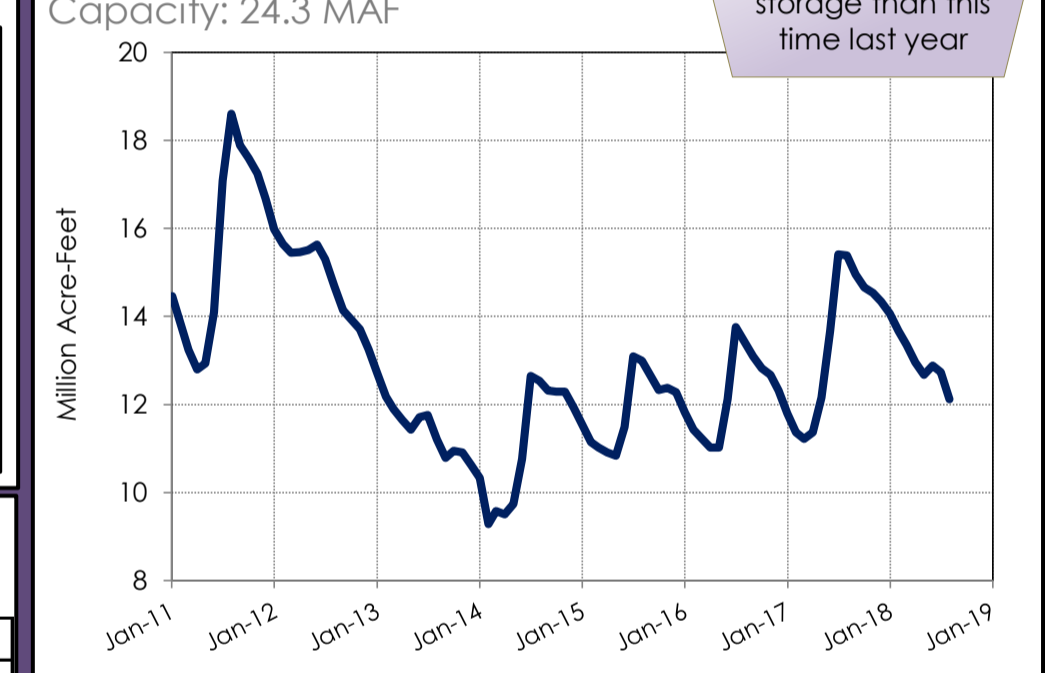
## Upper Colorado Basin Snowpack



## 2017 Colorado River Ag Use



## Lake Powell Storage

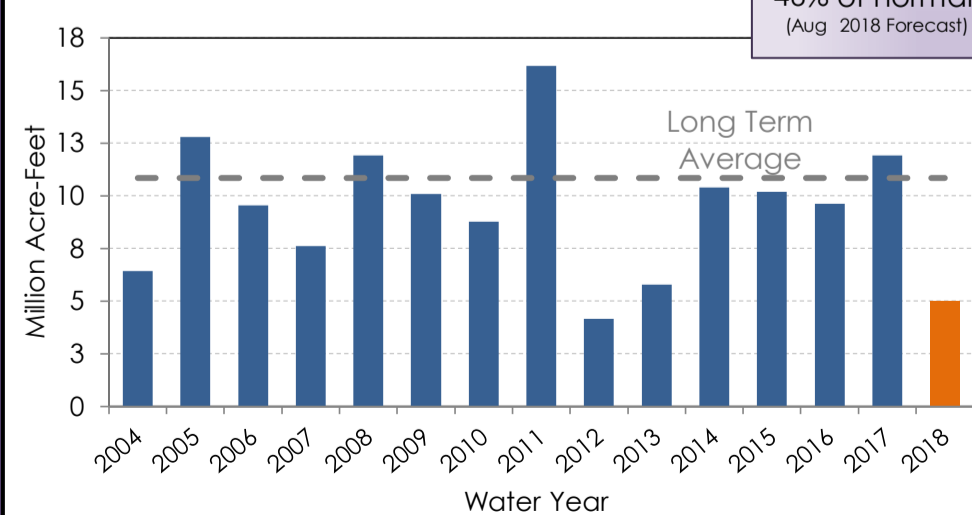


## Lake Mead Shortage/Surplus Outlook

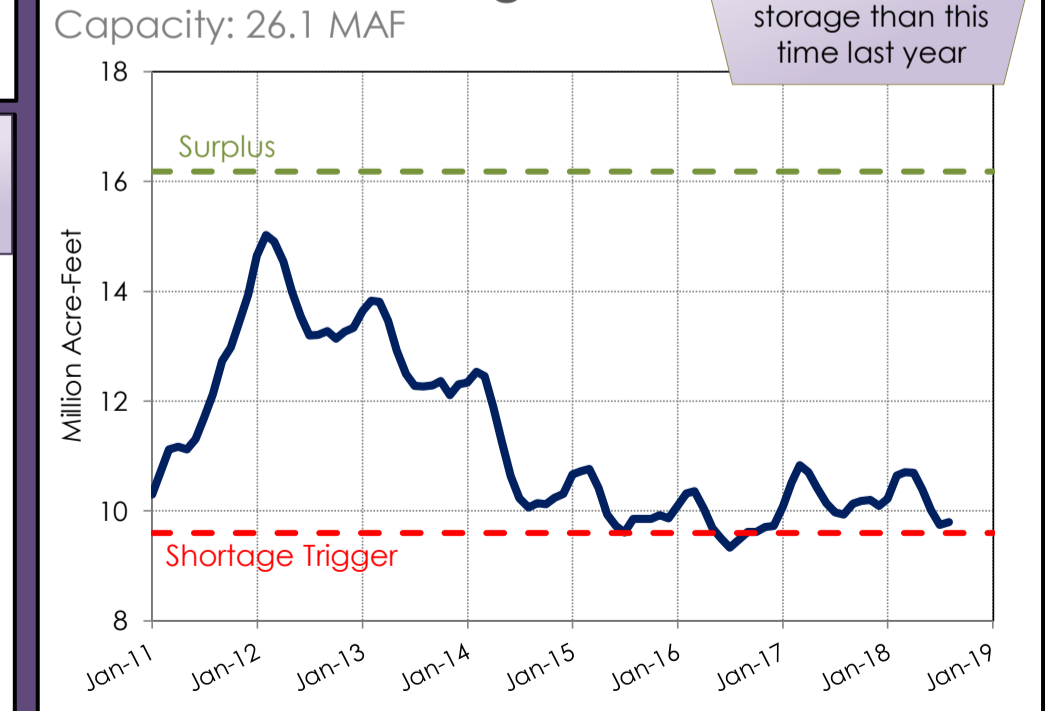
	2019	2020	2021	2022	2023
Shortage	0%	52%	64%	68%	65%
Surplus	0%	0%	3%	6%	10%

Likelihood based on results from the April 2018 USBR MTOM/CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage



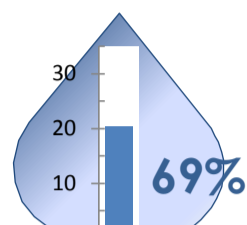


# Water Supply Conditions Report

As of: 09/05/2018

## 2018 Colorado River

836,221 AF  
67% of full CRA  
Does not include storage withdrawals



20.3"

24.3 MAF

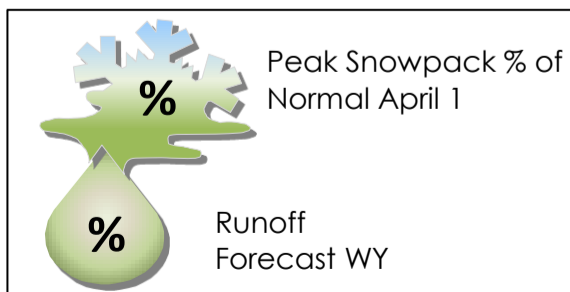
47%

POWELL  
11.43 MAF

26.1 MAF

38%

MEAD  
9.93 MAF  
1079.07 FT



Peak Snowpack % of Normal April 1

Runoff Forecast WY

Turn page for more CRA Data

Flip Over for SWP

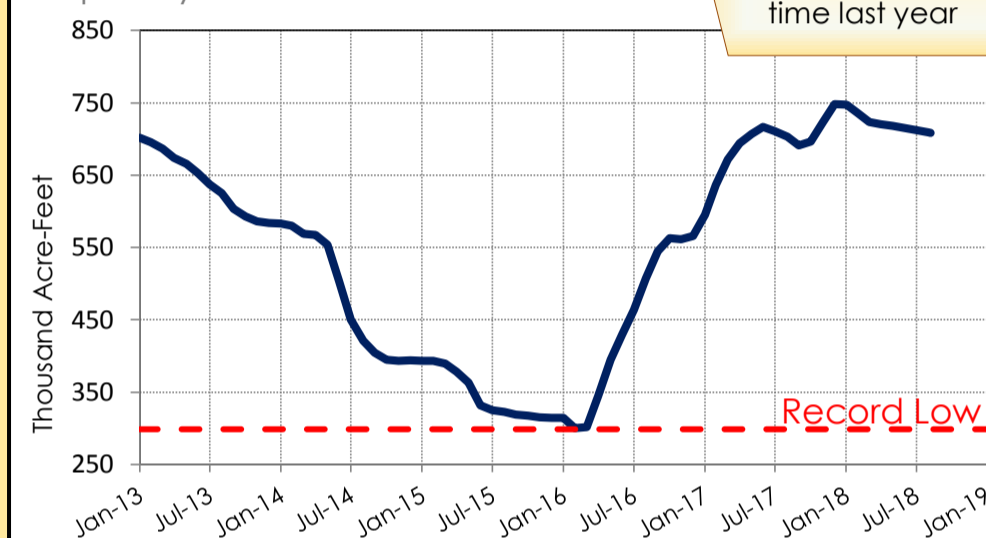
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 44% of normal

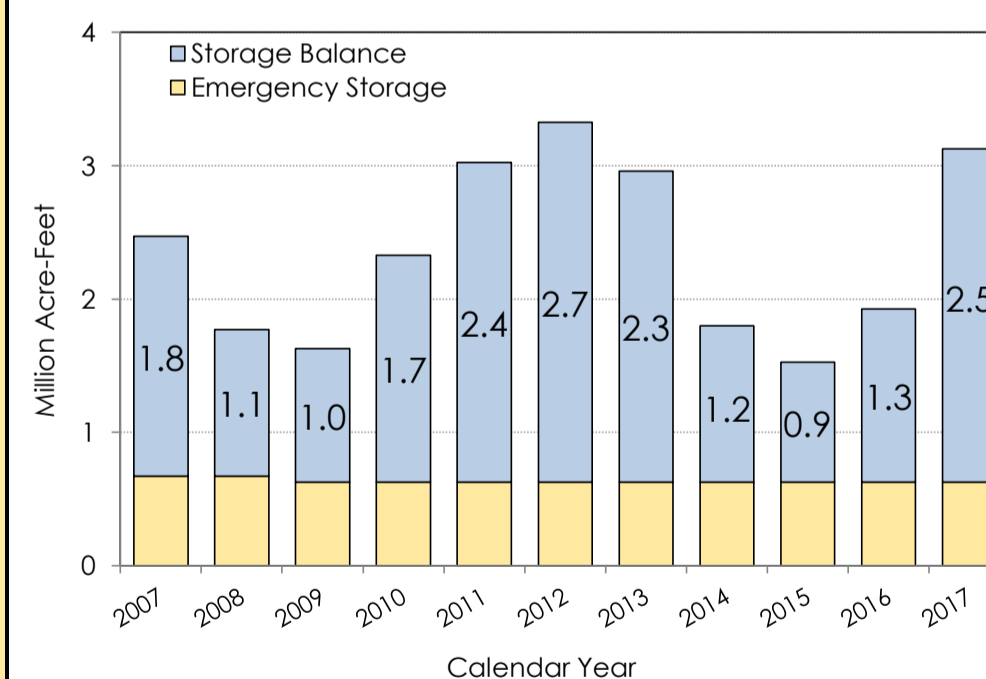
## Diamond Valley Lake Storage

Capacity: 810 TAF

8 TAF more in storage than this time last year

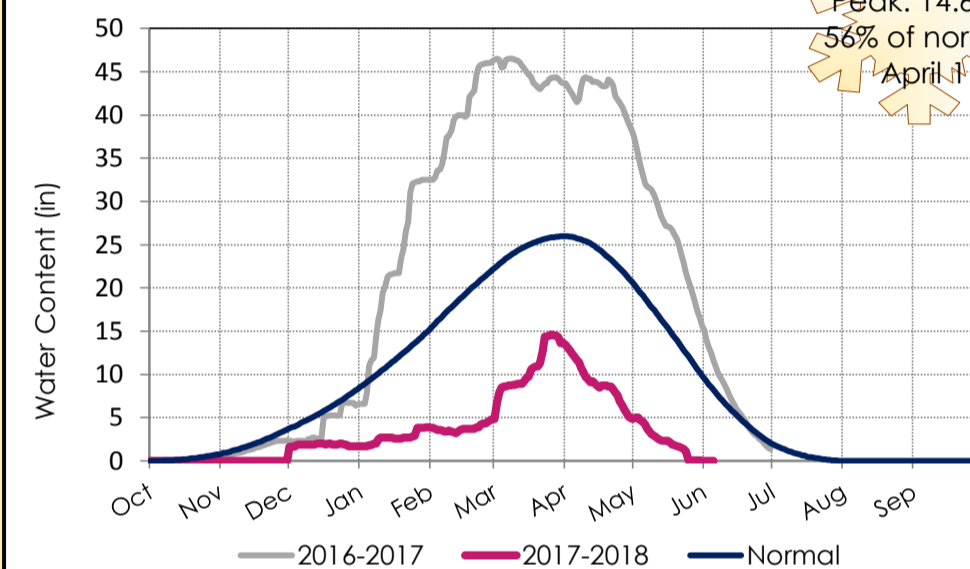


## MWD Storage Reserve Levels



## Southern Sierra Snowpack

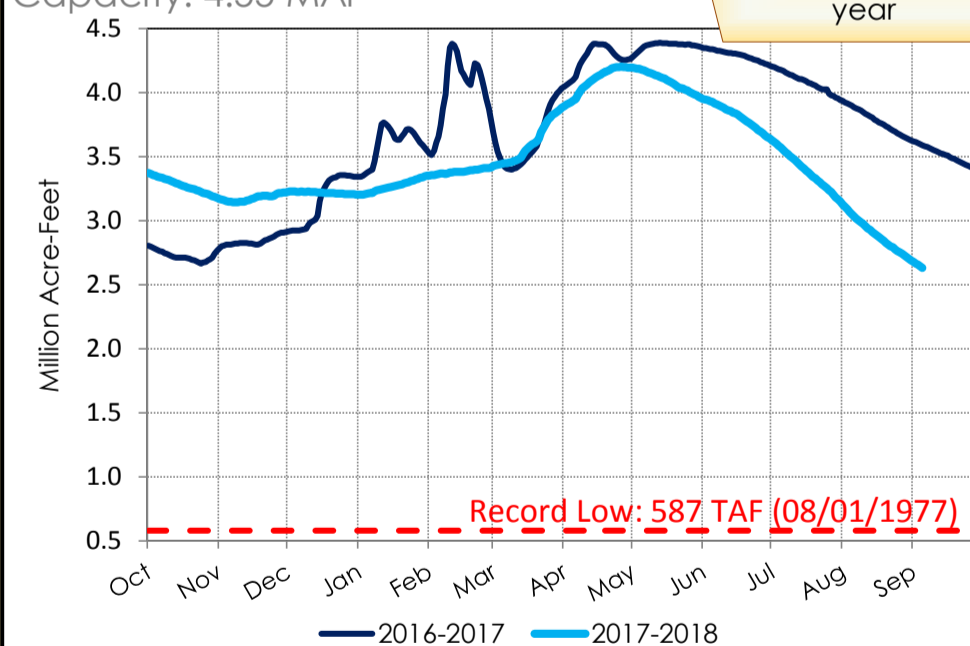
Peak: 14.6 in.  
56% of normal April 1



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

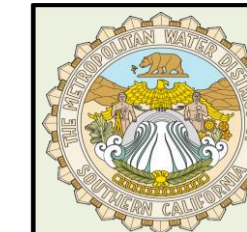
957 TAF less in storage than this time last year



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<http://www.mwdh2o.com/WSCR>

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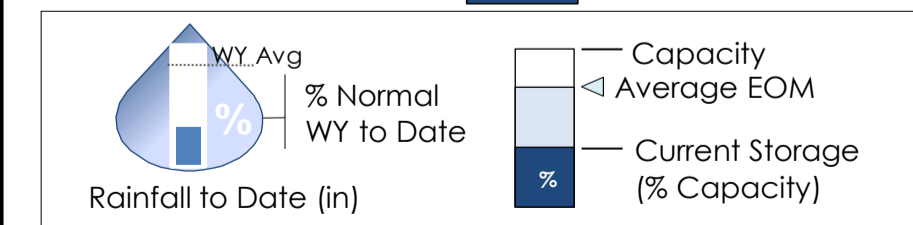
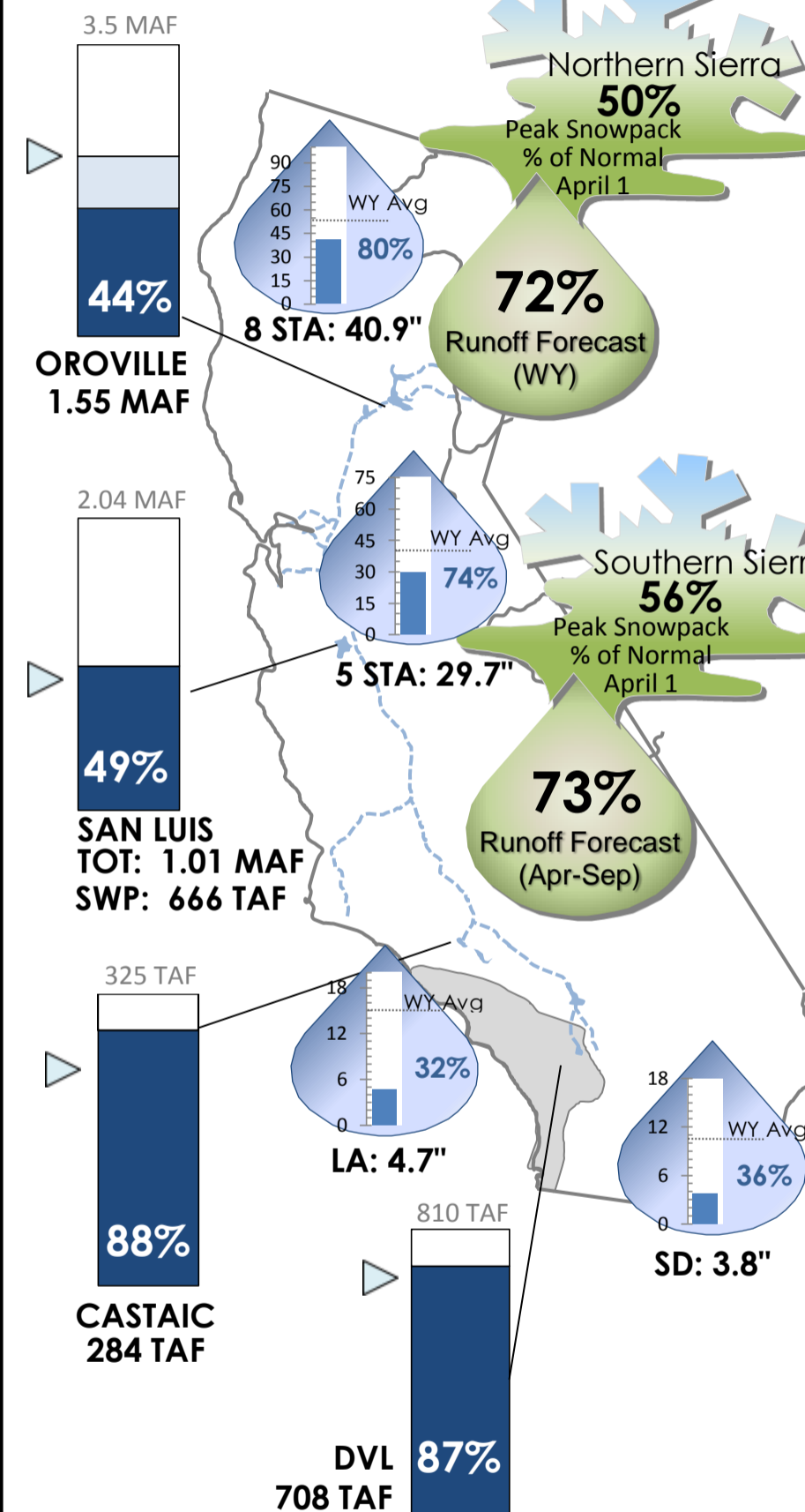


# Water Supply Conditions Report

As of: 09/05/2018

## 2018 SWP Allocation

669,025 AF  
35% of Table A



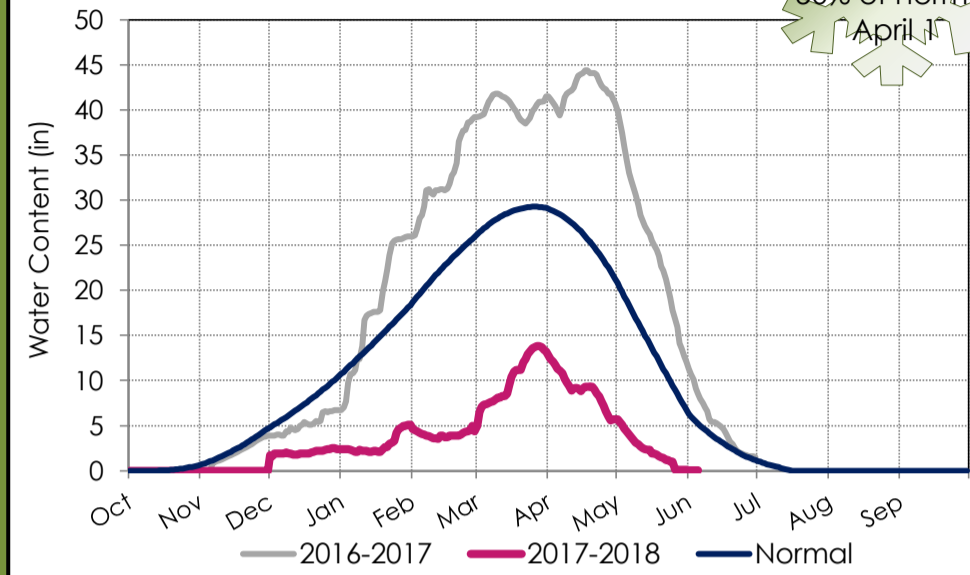
Flip Over for CRA Data

Turn page for more SWP Data

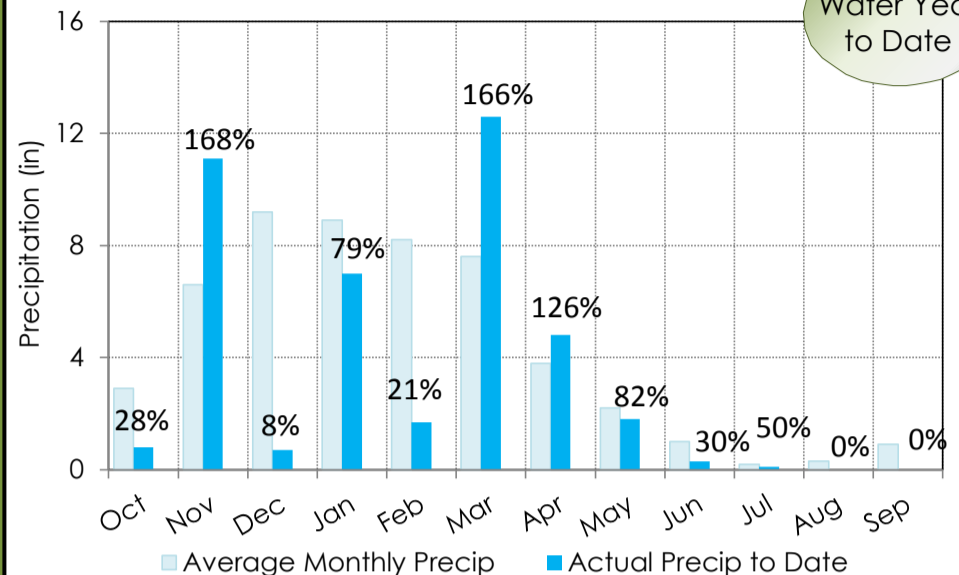
As of: 09/05/2018

# State Water Project Resources

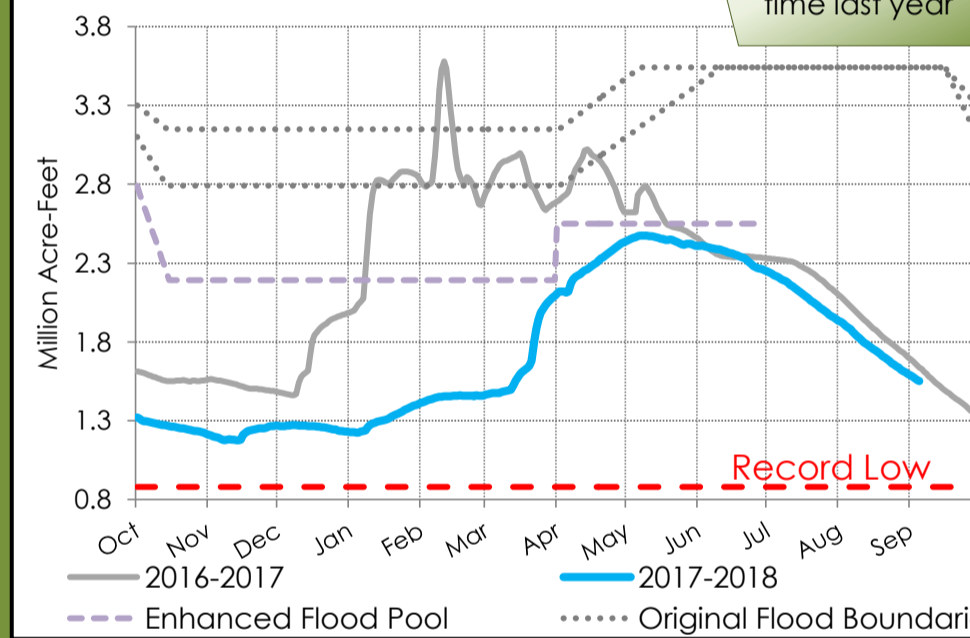
## Northern Sierra Snowpack



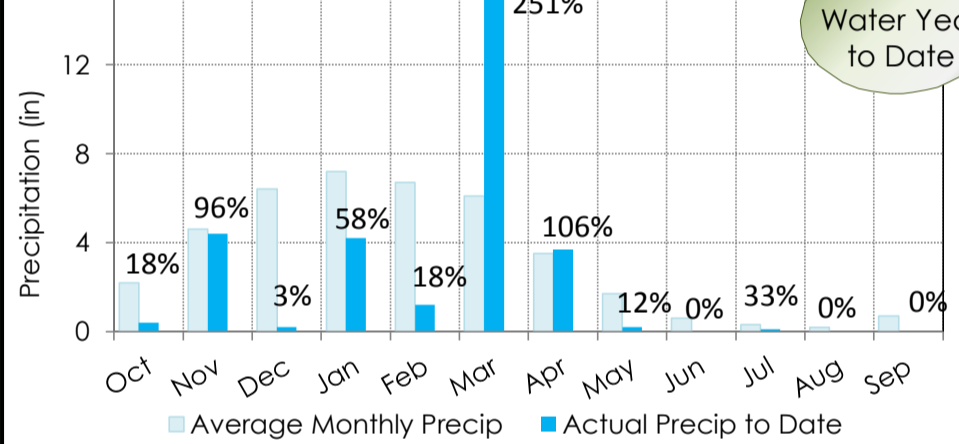
## 8 Station Index Precip



## Oroville Reservoir Storage



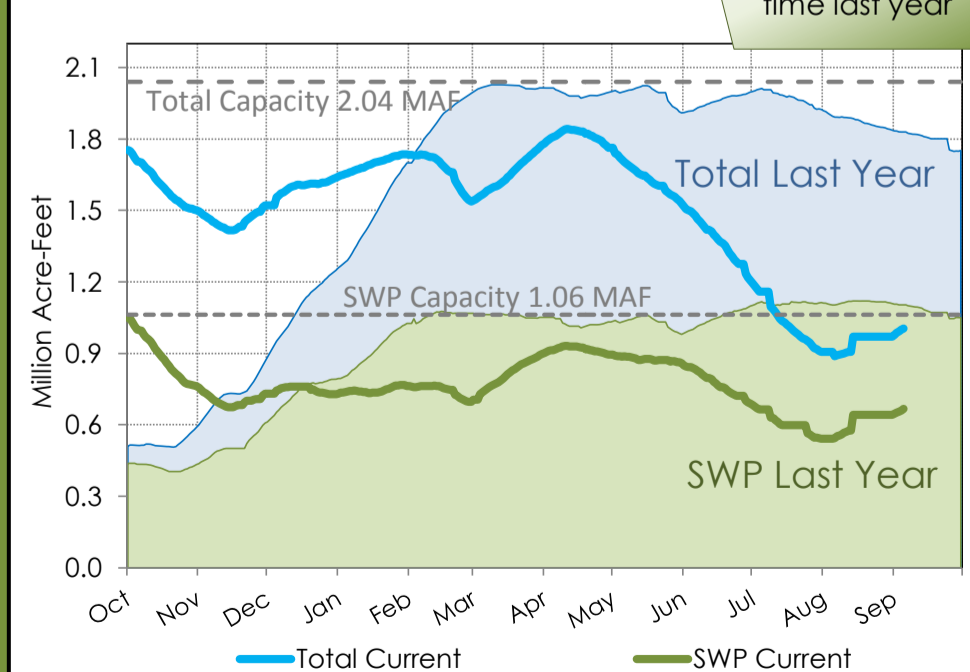
## 5 Station Index Precip



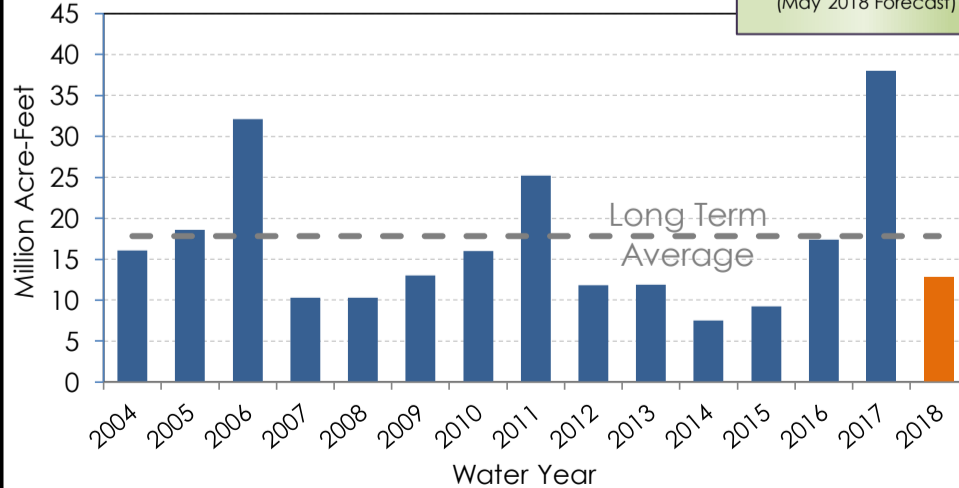
## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	16,500
Article 14b	27,500
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

## San Luis Reservoir Storage



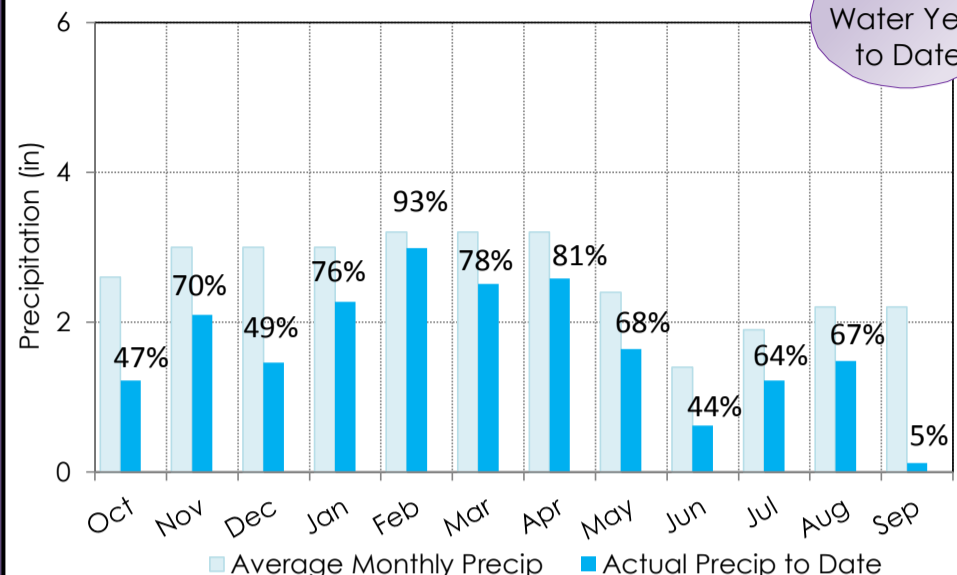
## Sacramento River Runoff



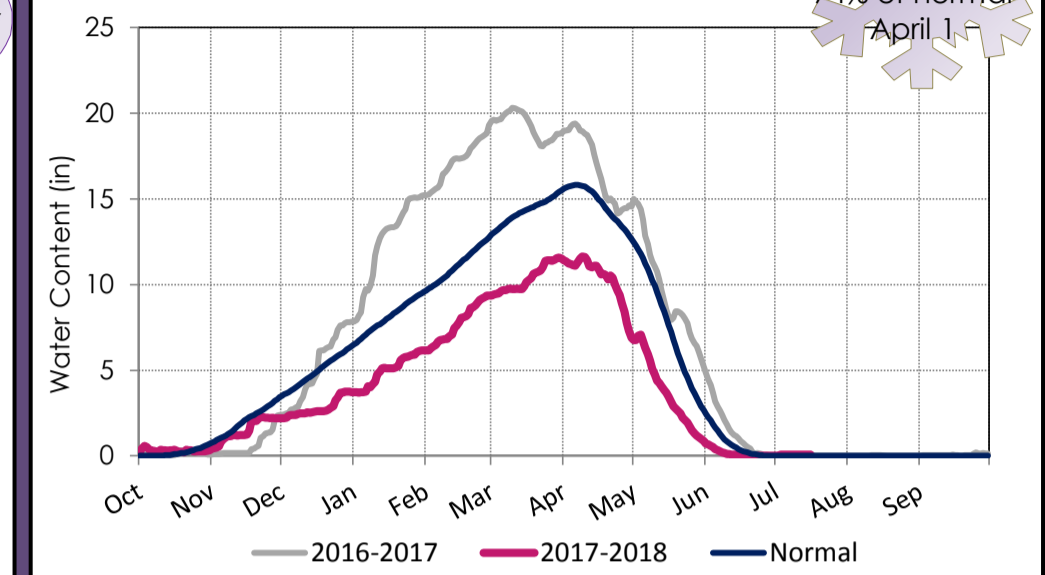
# Colorado River Resources

As of: 09/05/2018

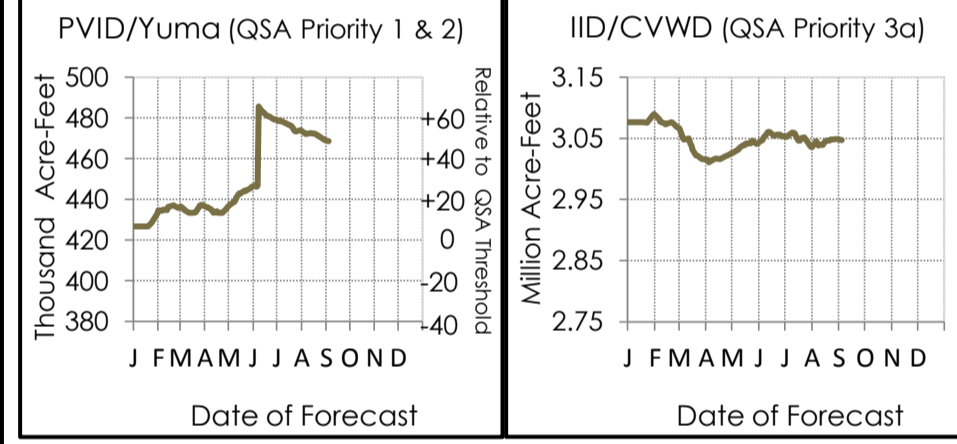
## Upper Colorado Basin Precip



## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use

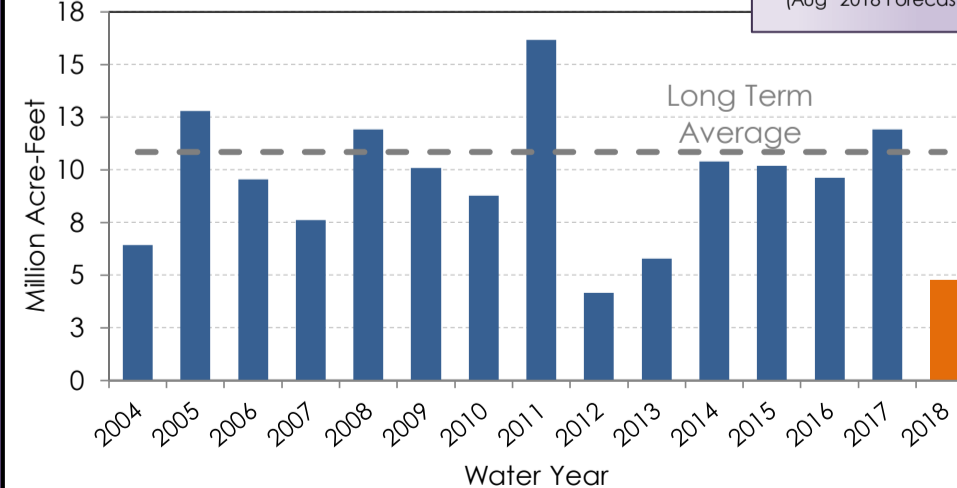


## Lake Mead Shortage/Surplus Outlook

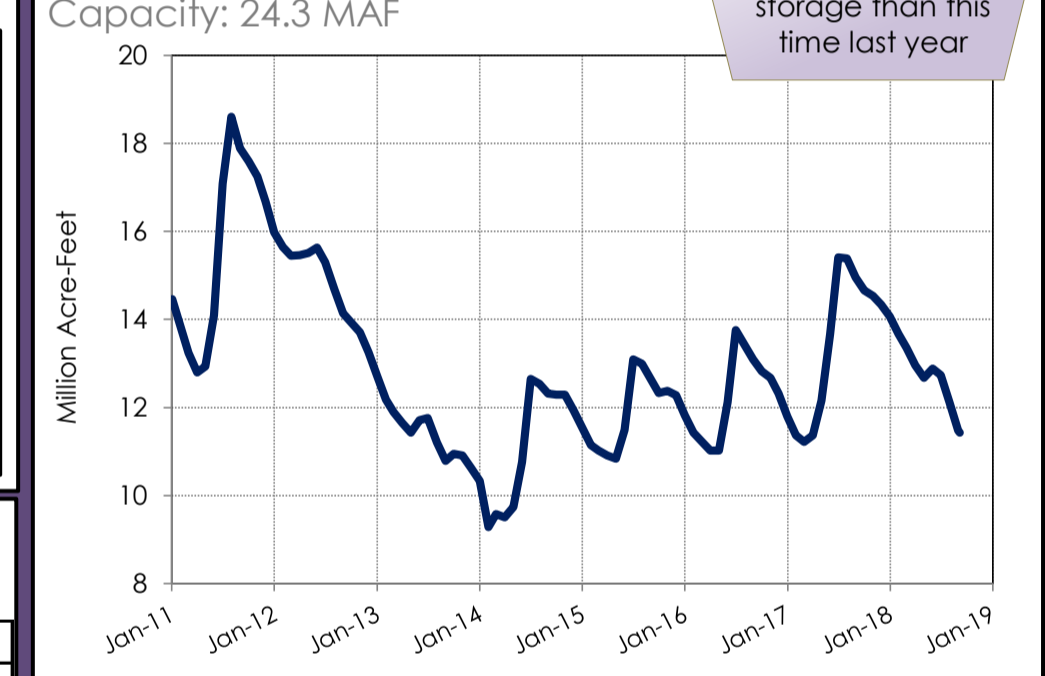
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

Likelihood based on results from the August 2018 CRSS model run.

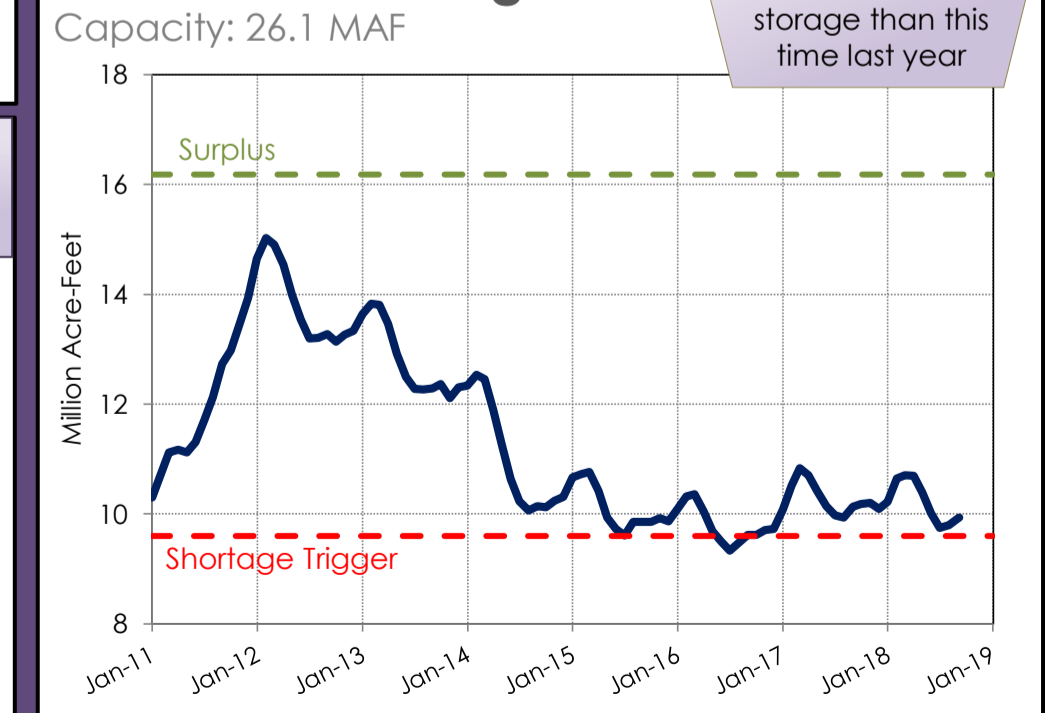
## Powell Unregulated Inflow



## Lake Powell Storage



## Lake Mead Storage



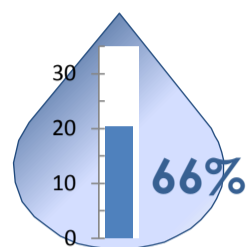


# Water Supply Conditions Report

As of: 09/25/2018

## 2018 Colorado River

846,176 AF  
68% of full CRA  
Does not include storage withdrawals



20.4"

Upper Colorado River Basin  
Peak Snowpack 74%  
% of Normal April 1

43%  
Runoff Forecast (WY)

24.3 MAF

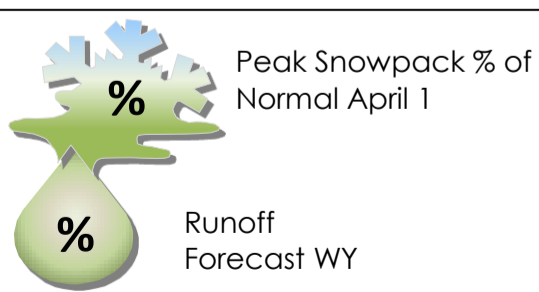
46%

POWELL  
11.11 MAF

26.1 MAF

38%

MEAD  
9.89 MAF  
1078.48 FT



Turn page for more CRA Data

Flip Over for SWP

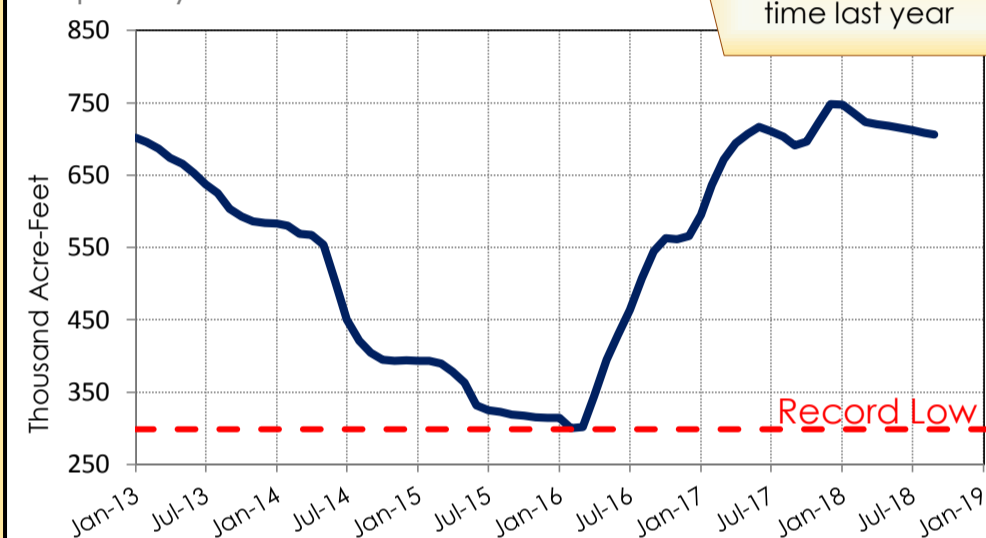
## Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 43% of normal

## Diamond Valley Lake Storage

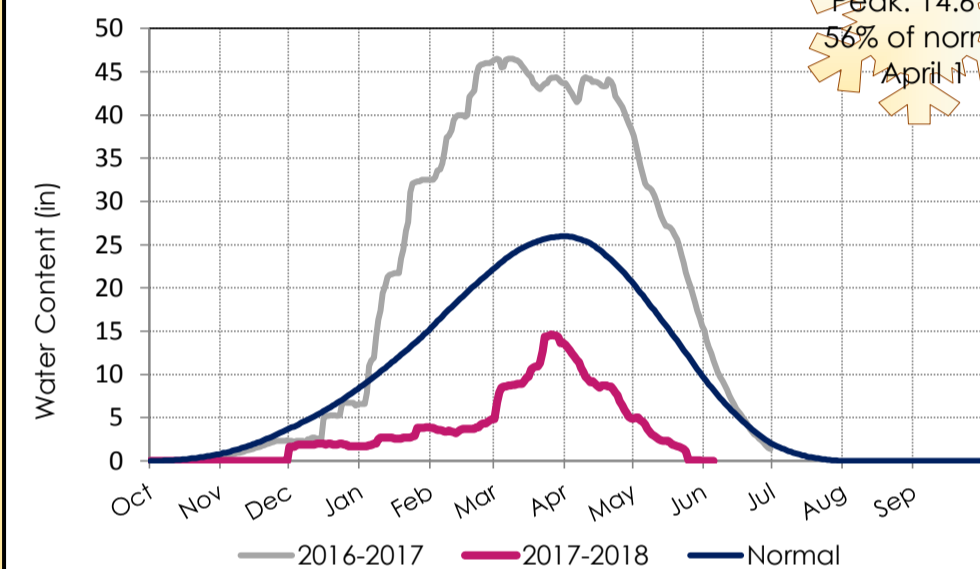
Capacity: 810 TAF

17 TAF more in storage than this time last year

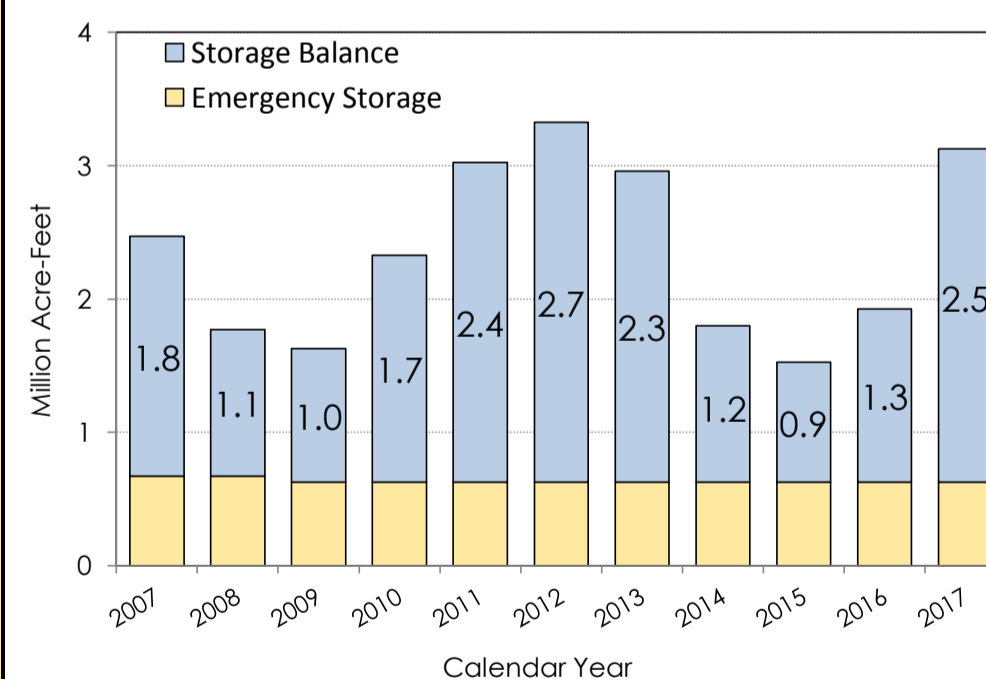


## Southern Sierra Snowpack

Peak: 14.6 in.  
56% of normal April 1



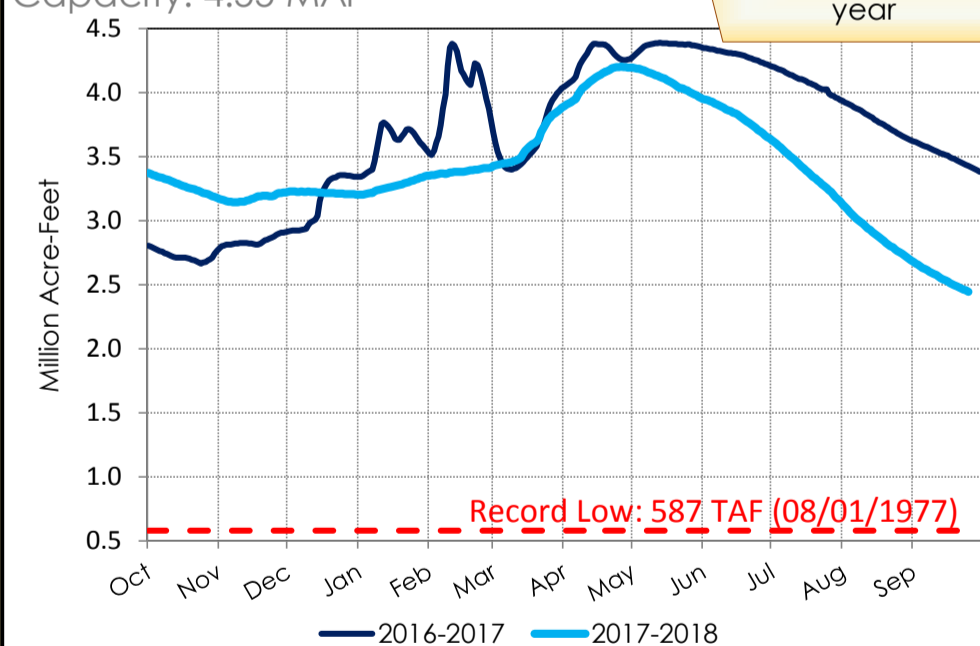
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

980 TAF less in storage than this time last year



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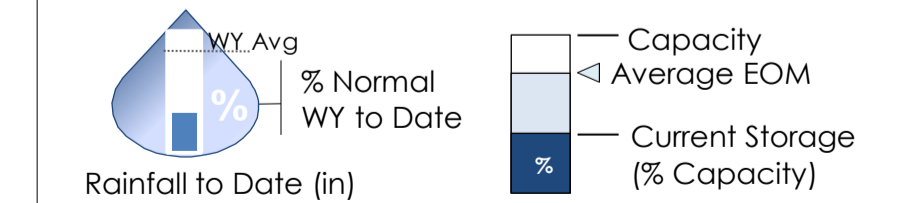
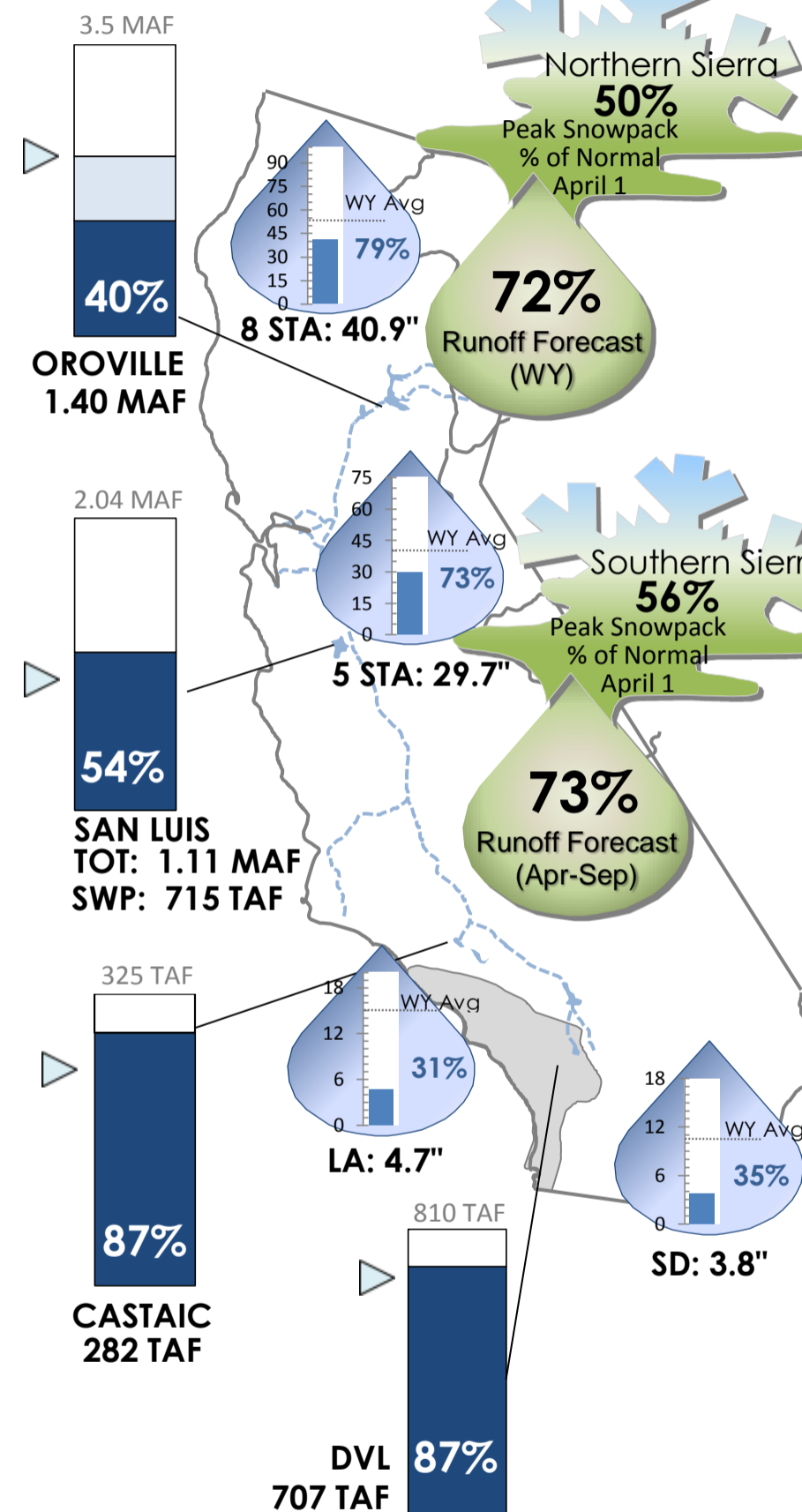


# Water Supply Conditions Report

As of: 09/25/2018

## 2018 SWP Allocation

669,025 AF  
35% of Table A



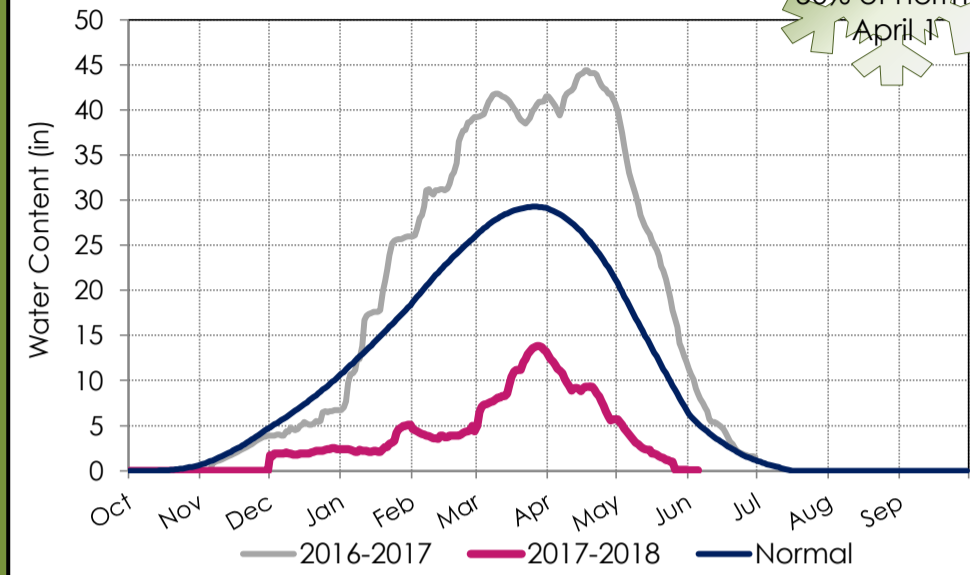
Flip Over for CRA Data

Turn page for more SWP Data

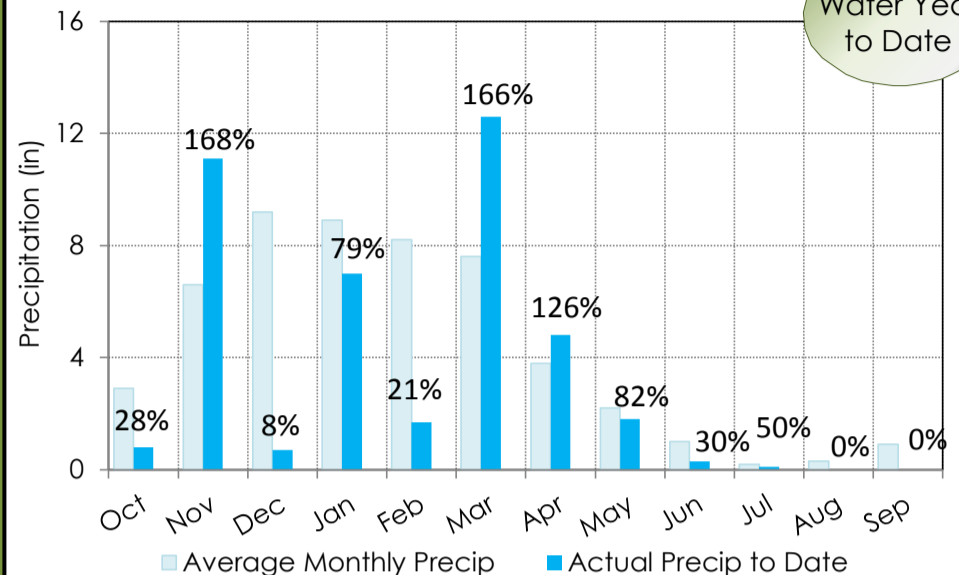
As of: 09/25/2018

# State Water Project Resources

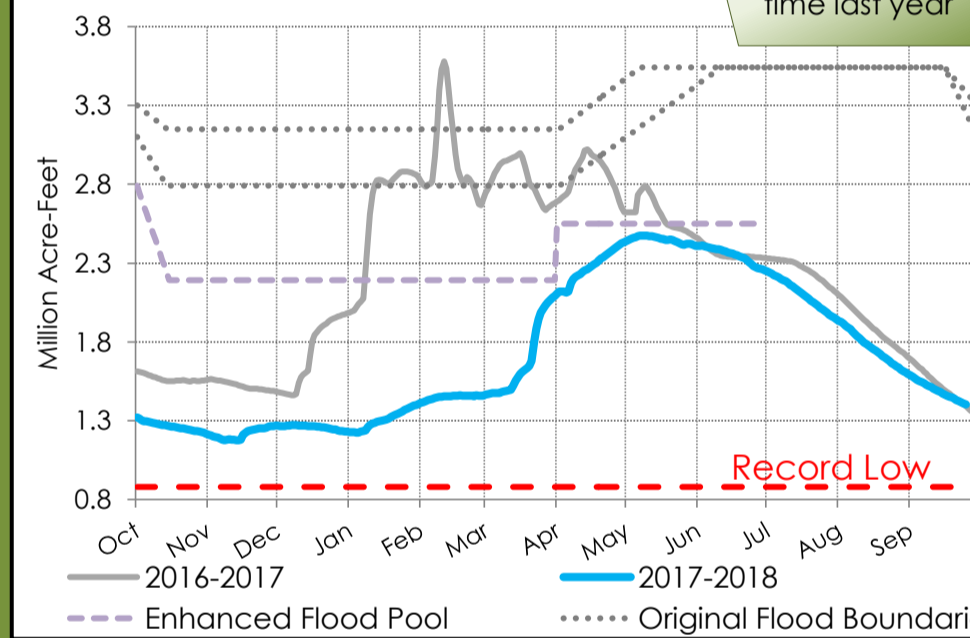
## Northern Sierra Snowpack



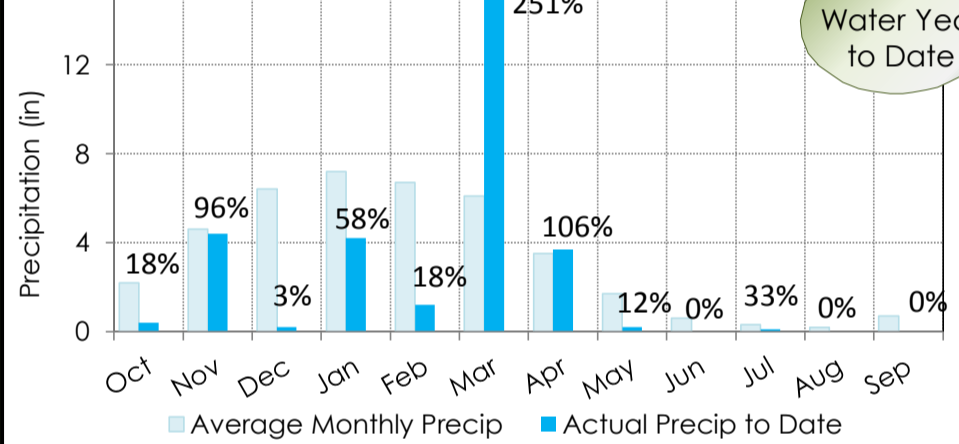
## 8 Station Index Precip



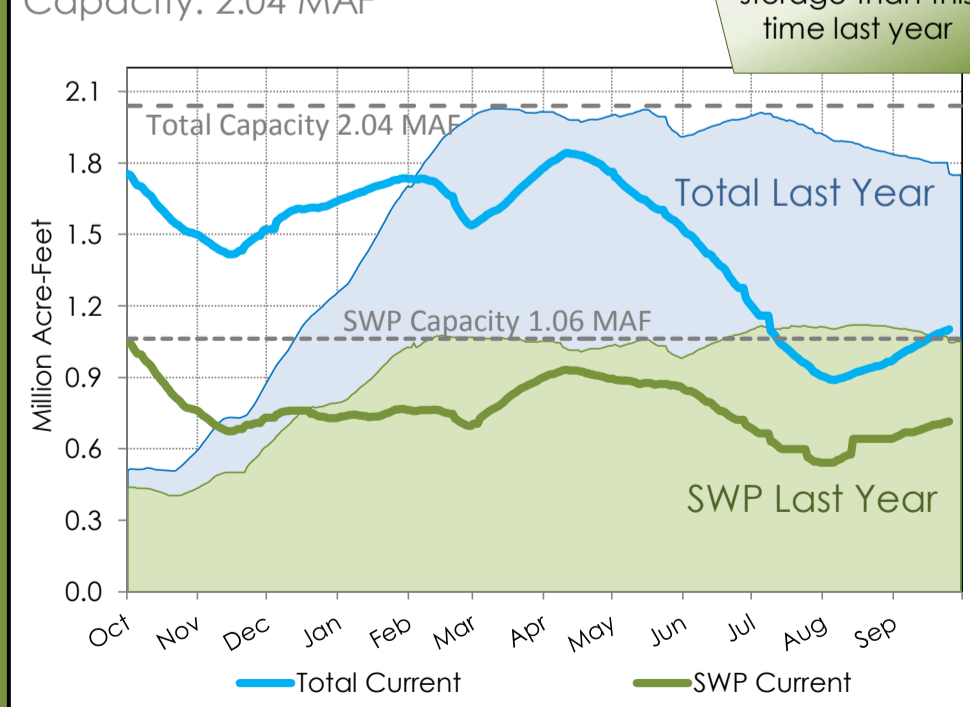
## Oroville Reservoir Storage



## 5 Station Index Precip



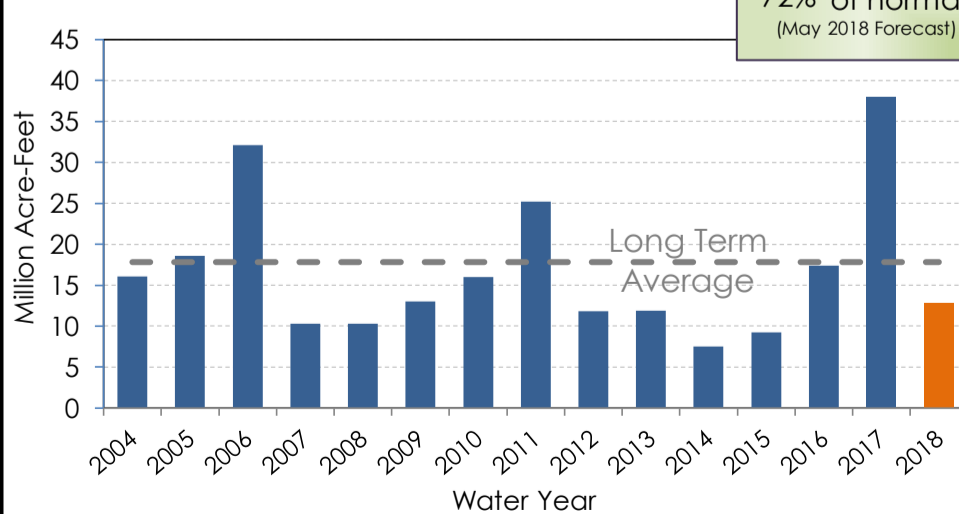
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	15,000
Article 14b	27,500
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

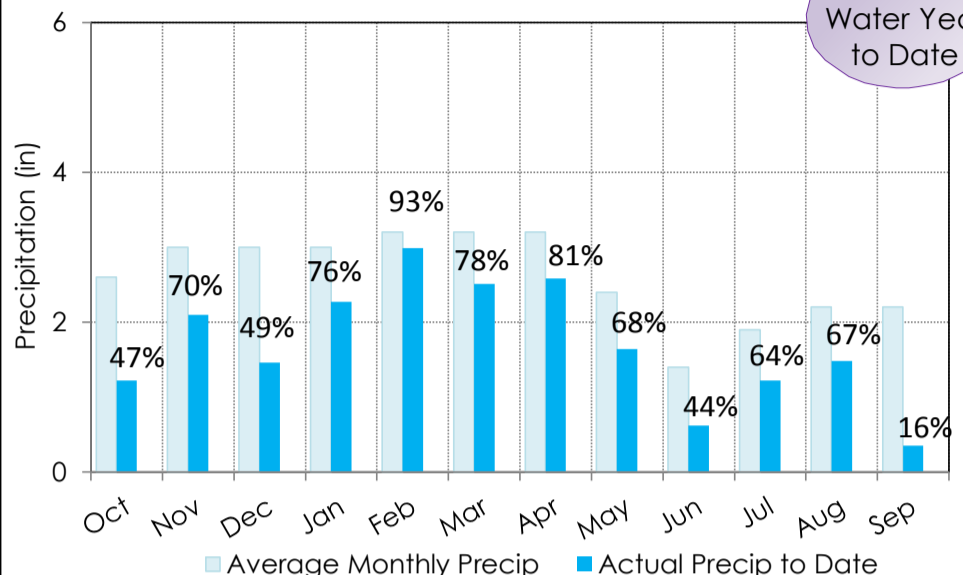
## Sacramento River Runoff



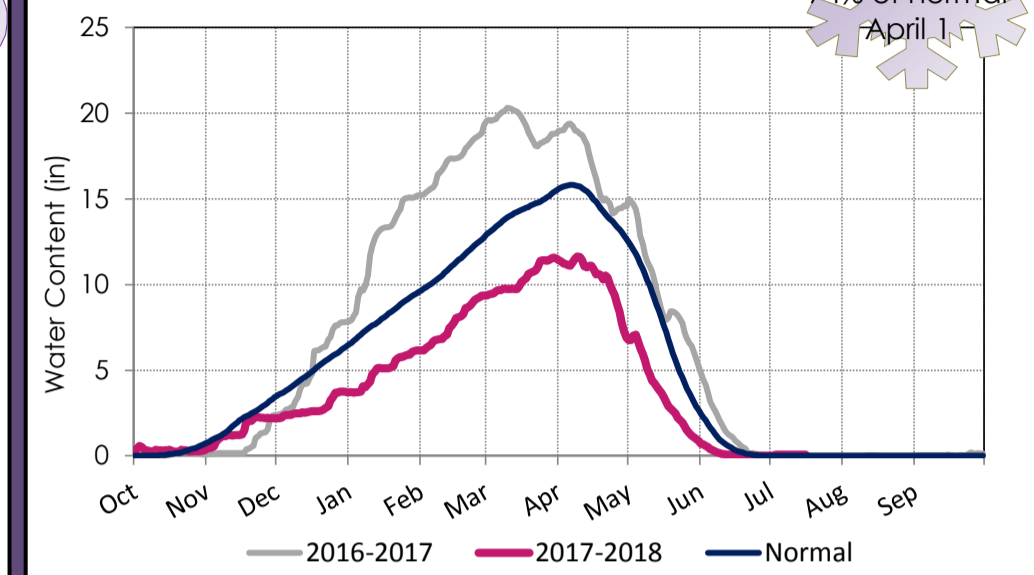
# Colorado River Resources

As of: 09/25/2018

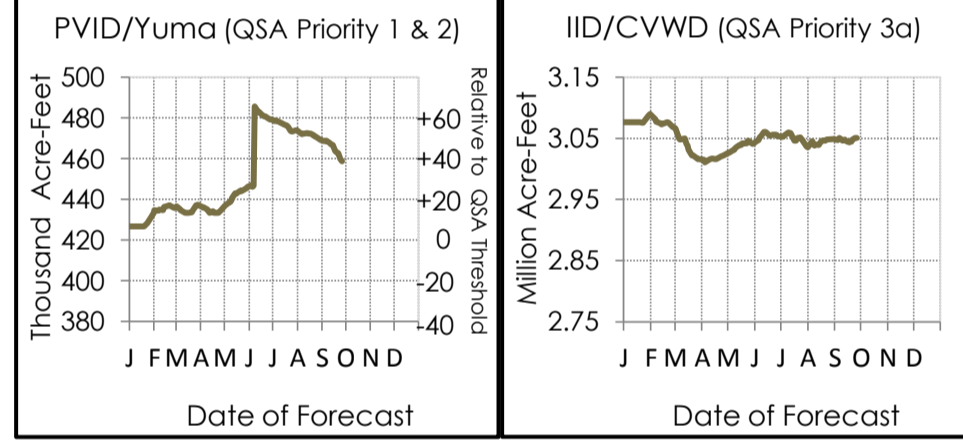
## Upper Colorado Basin Precip



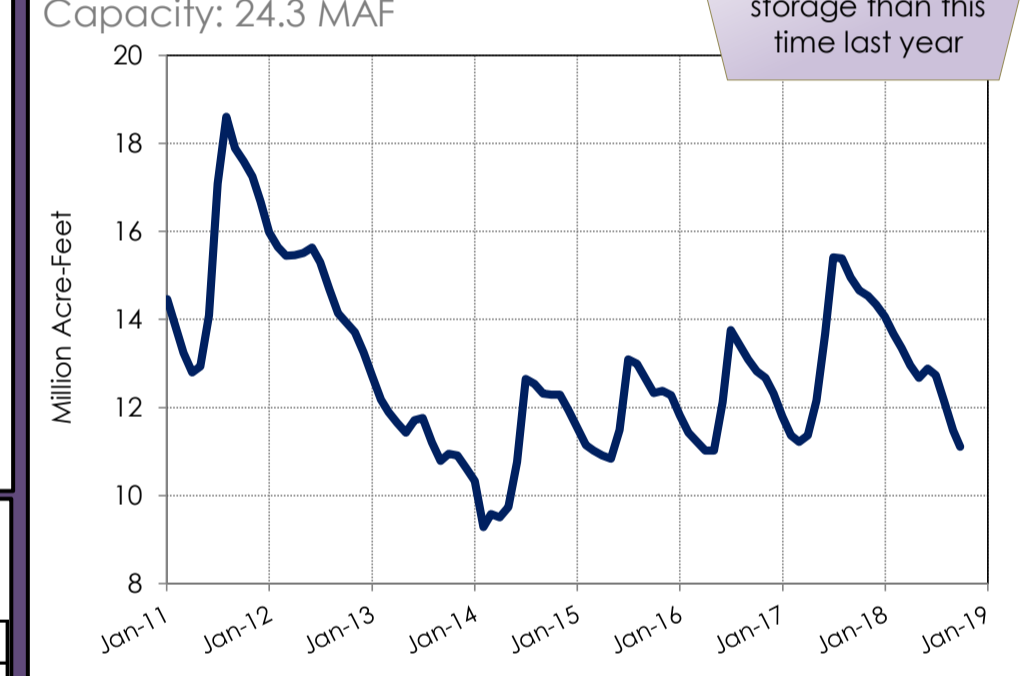
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

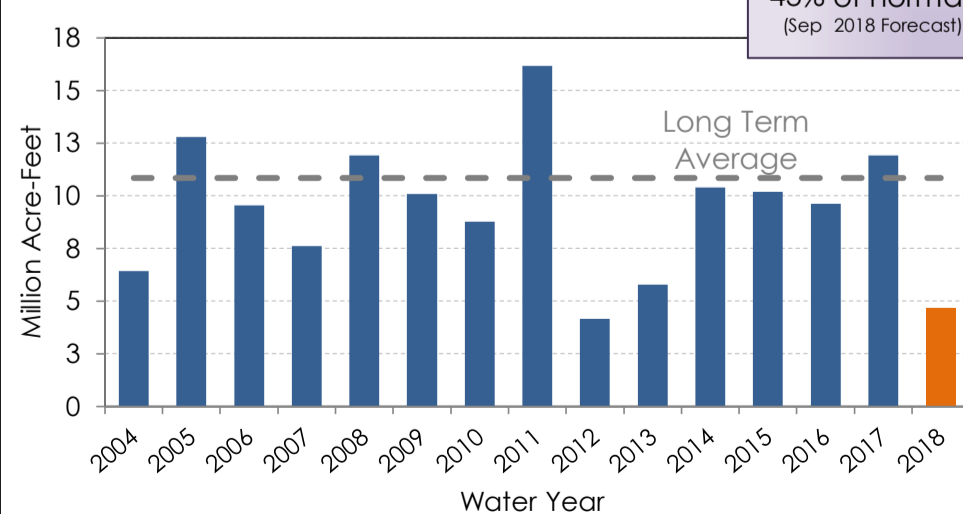


## Lake Mead Shortage/Surplus Outlook

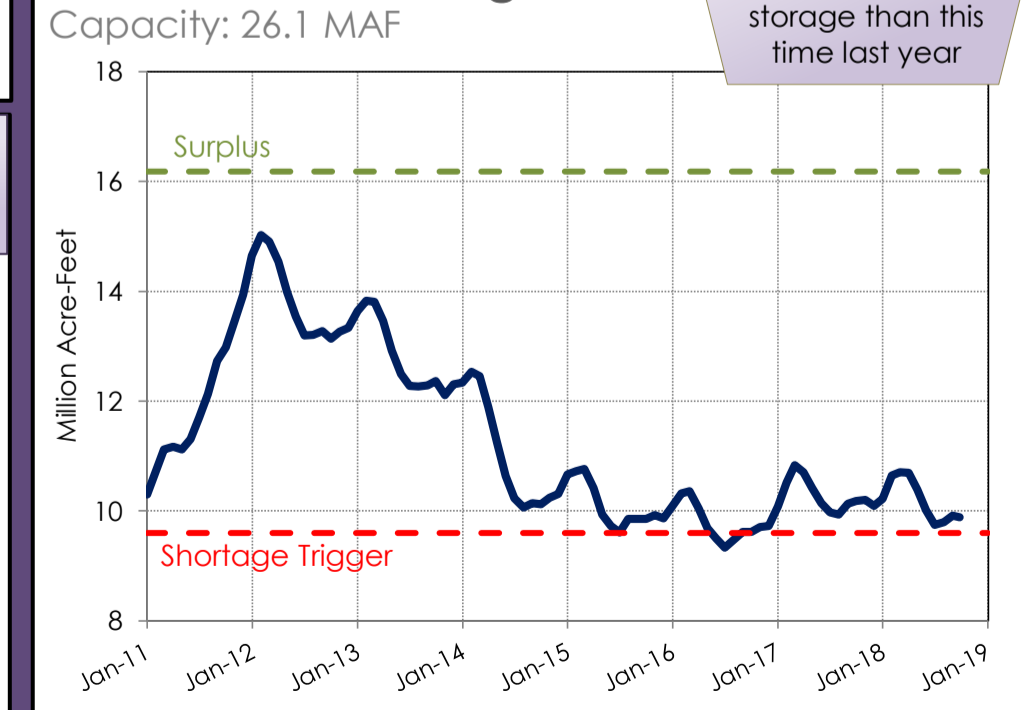
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage





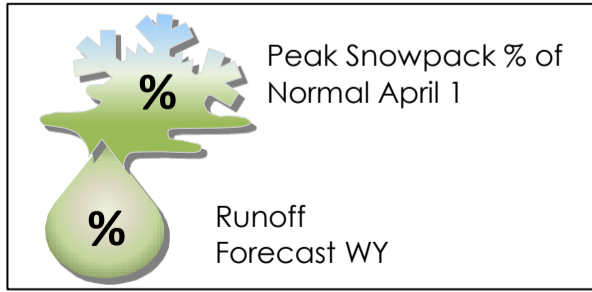
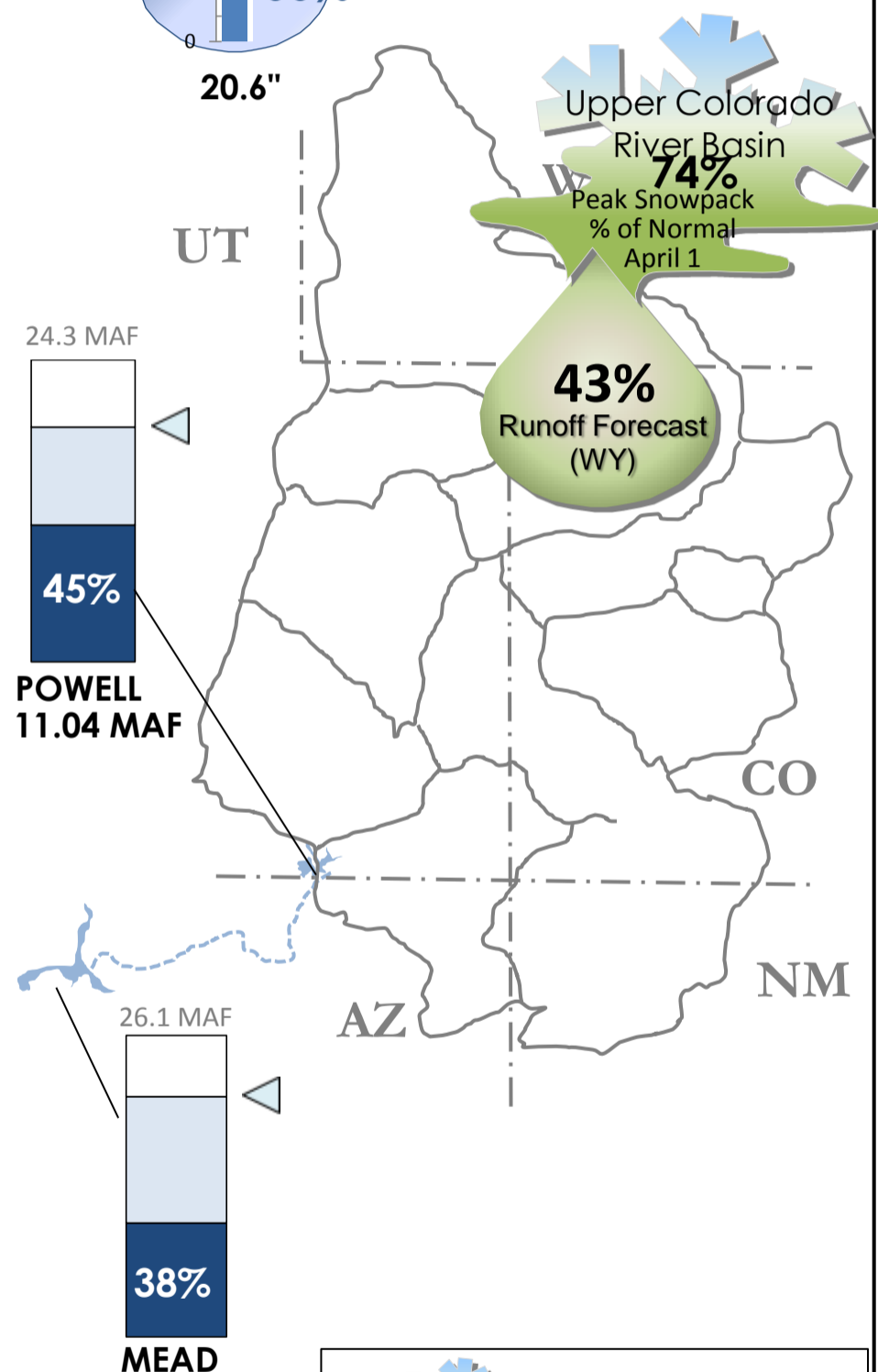
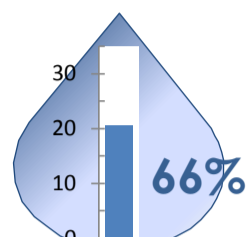


# Water Supply Conditions Report

As of: 09/30/2018

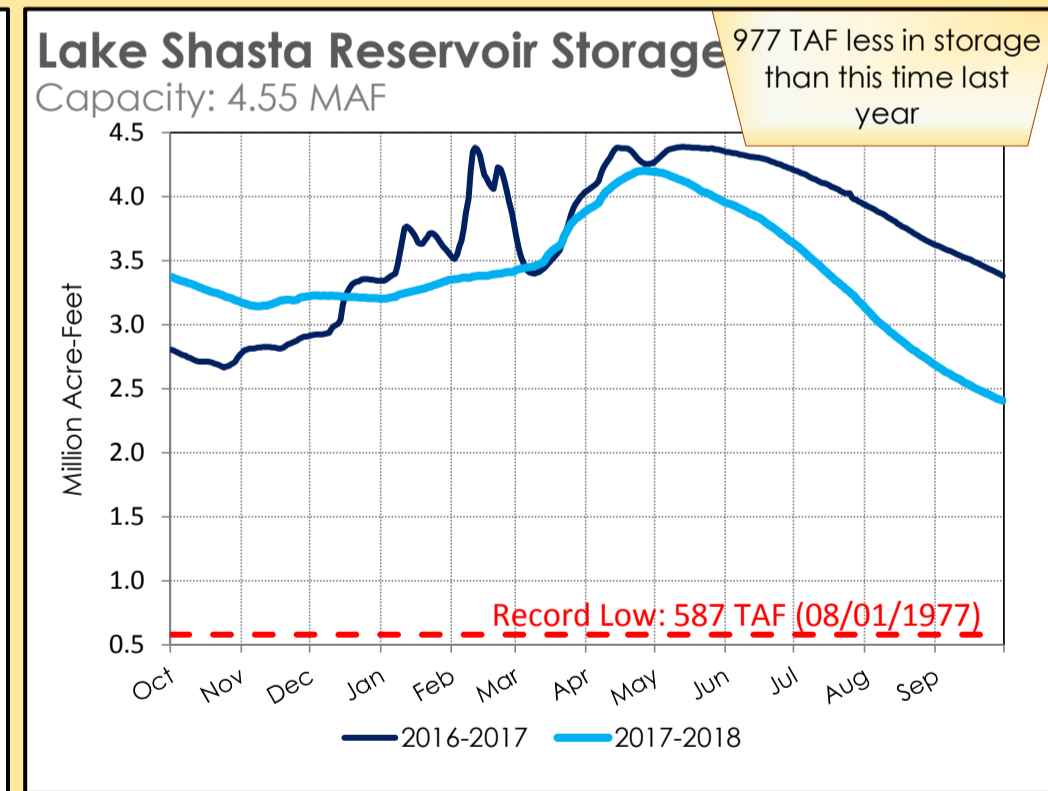
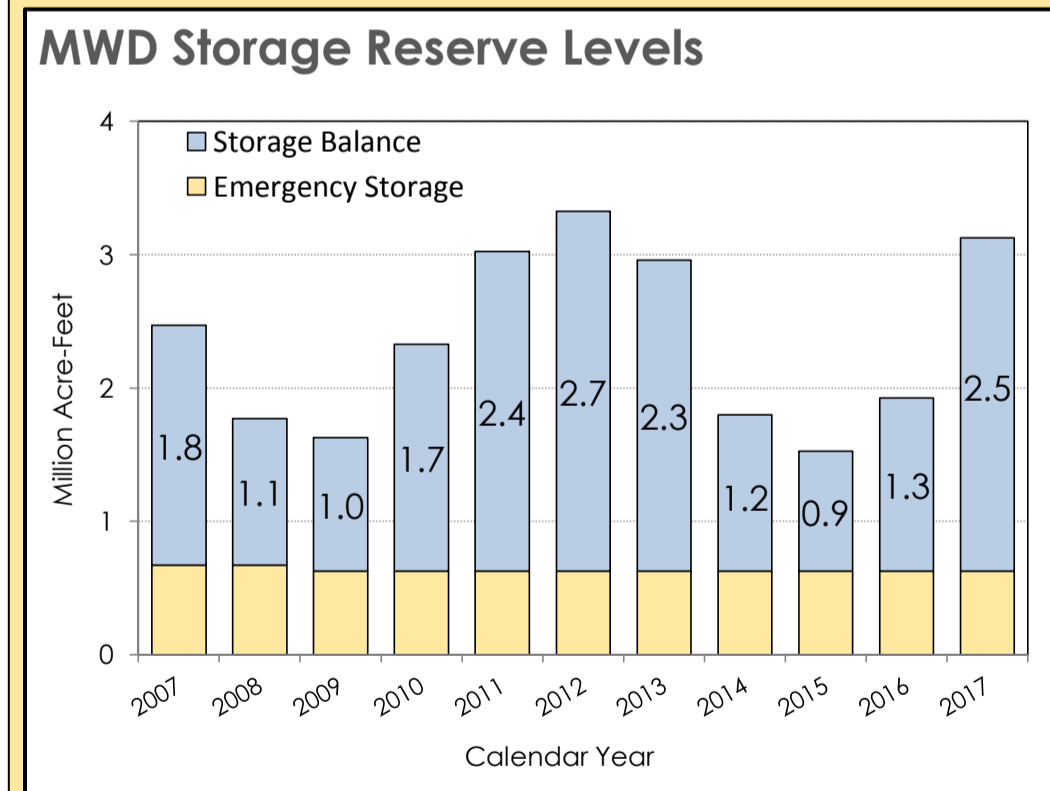
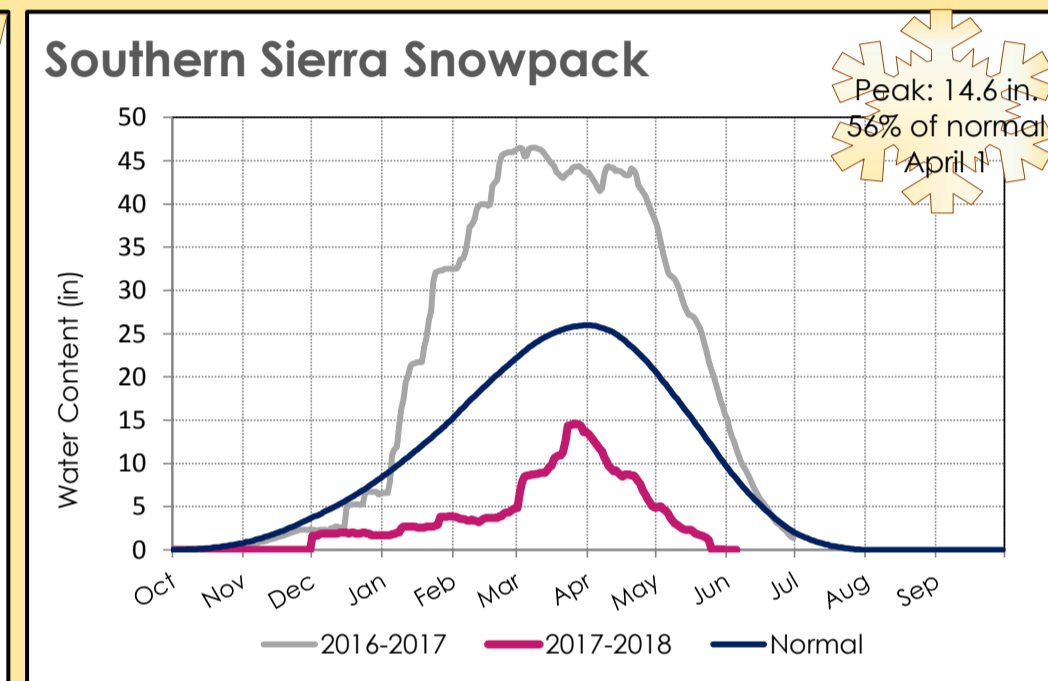
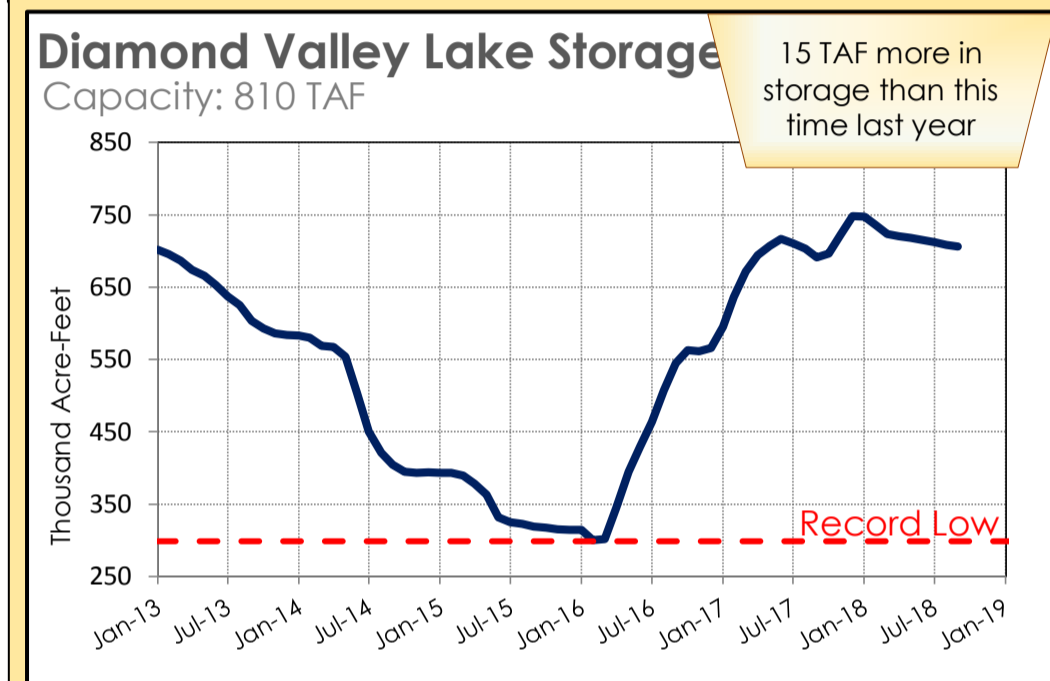
## 2018 Colorado River

846,176 AF  
68% of full CRA  
Does not include storage withdrawals



### Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 43% of normal

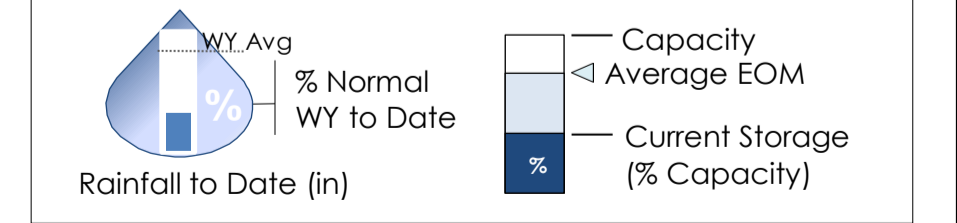
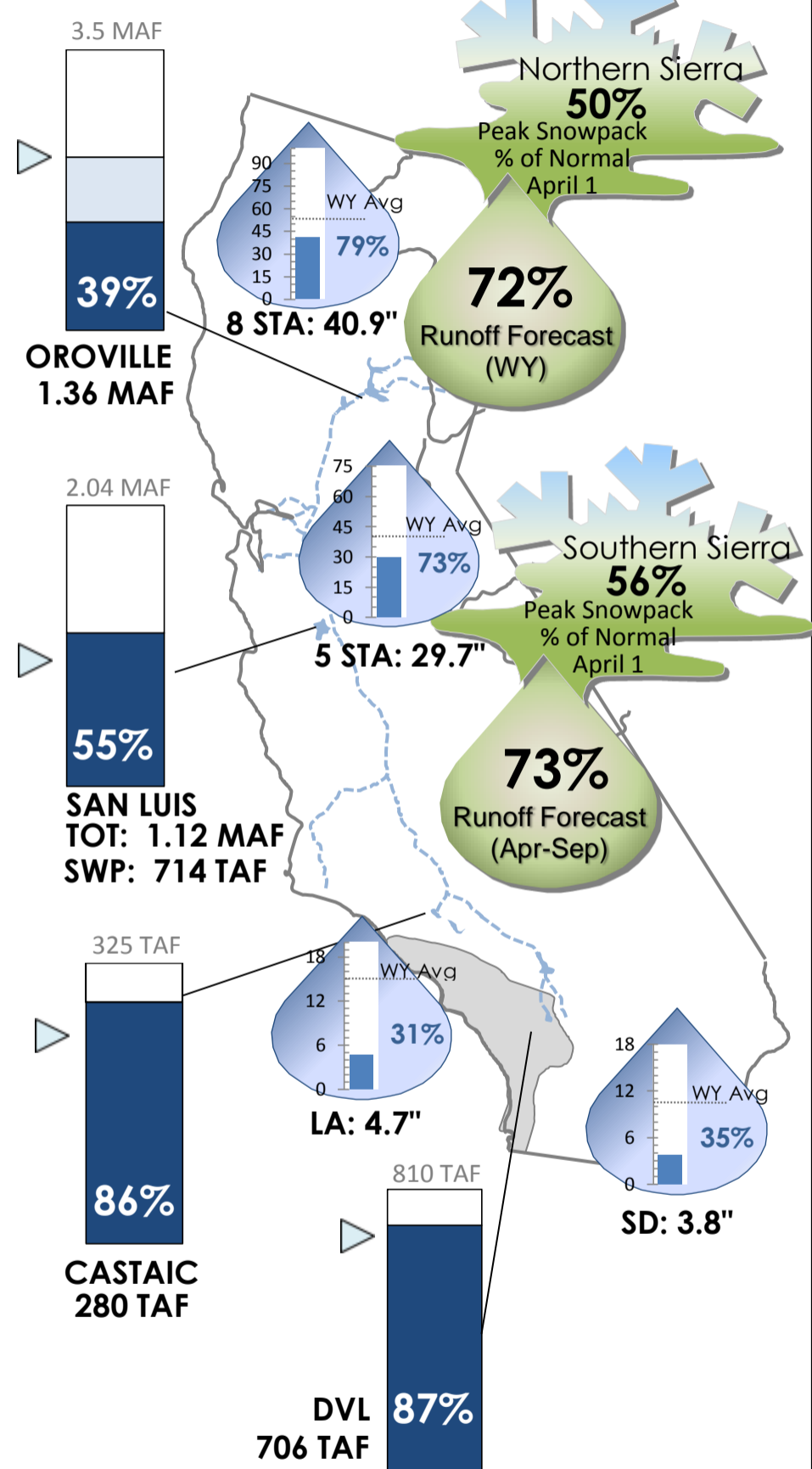


# Water Supply Conditions Report

As of: 09/30/2018

## 2018 SWP Allocation

669,025 AF  
35% of Table A



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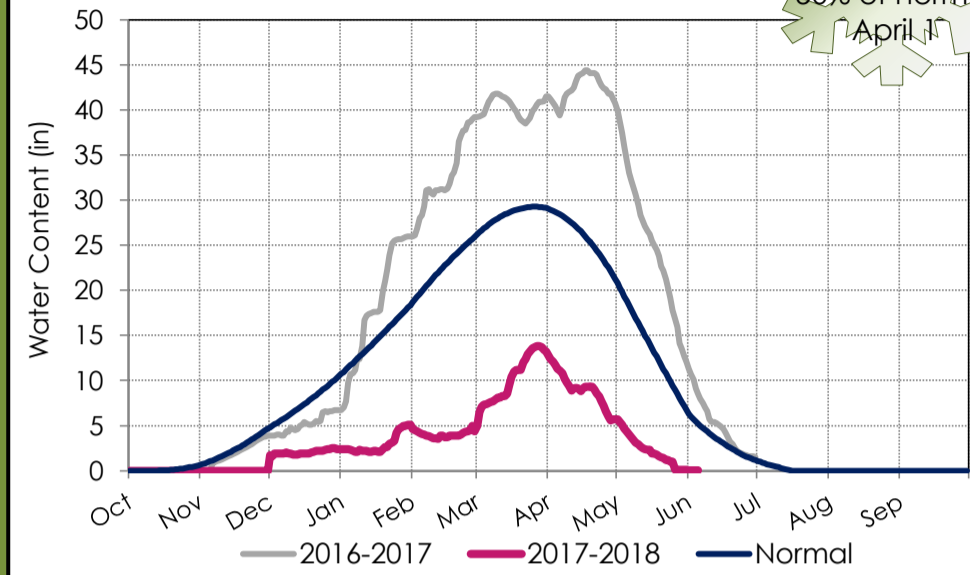
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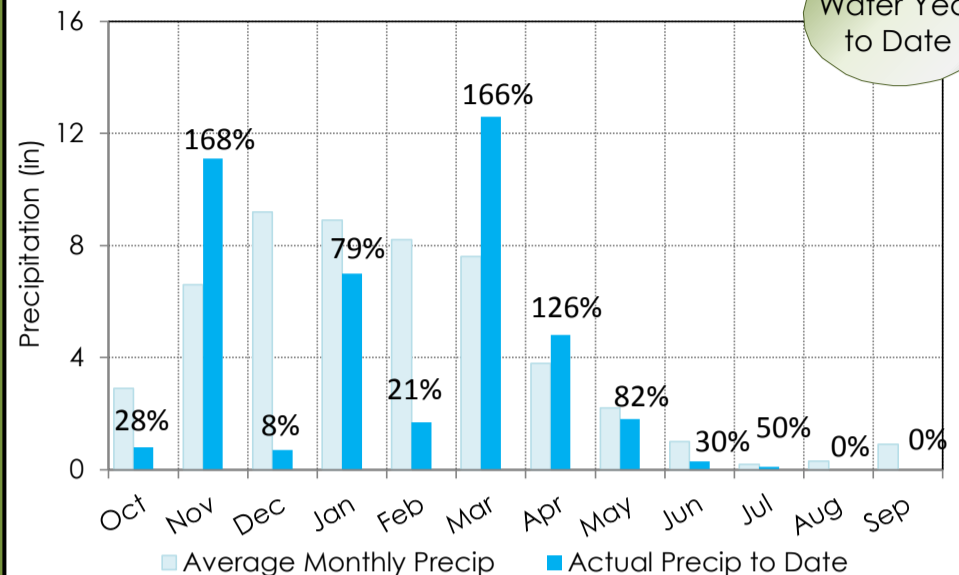
As of: 09/30/2018

# State Water Project Resources

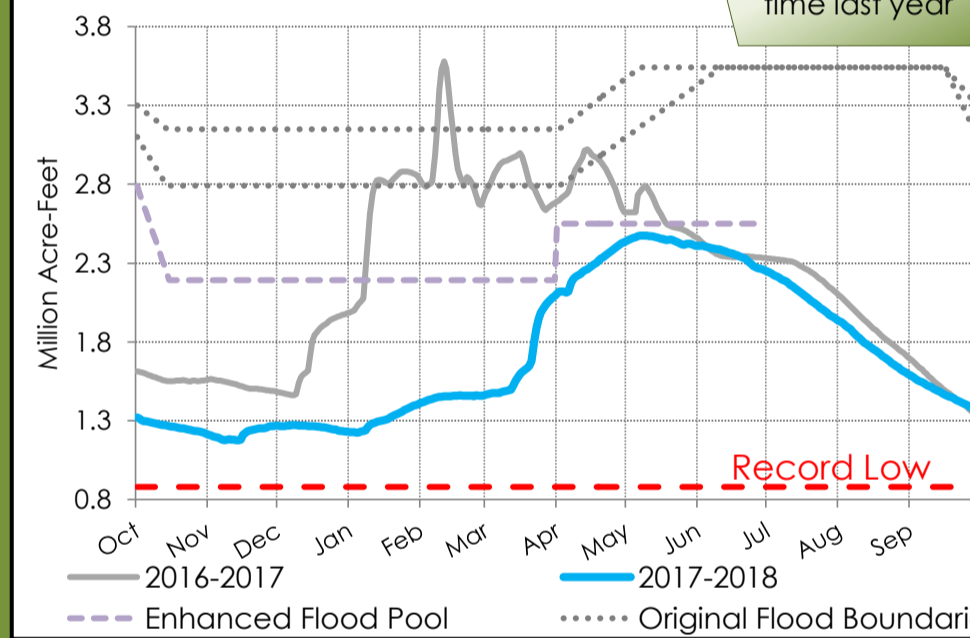
## Northern Sierra Snowpack



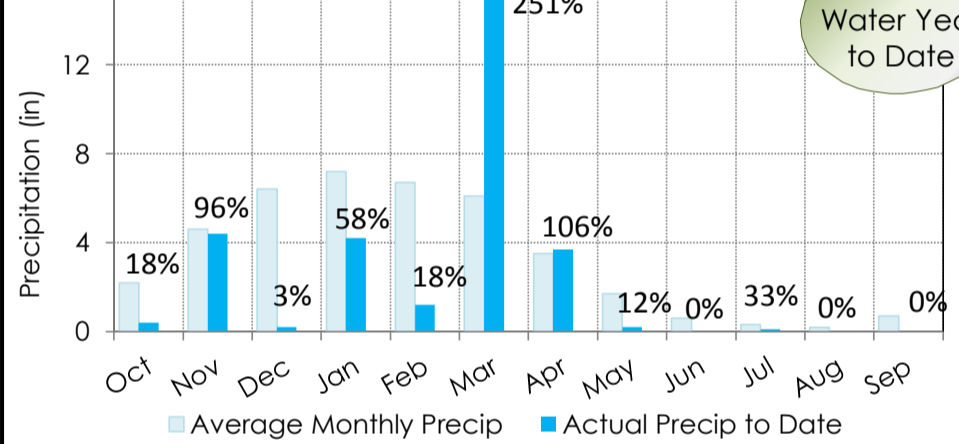
## 8 Station Index Precip



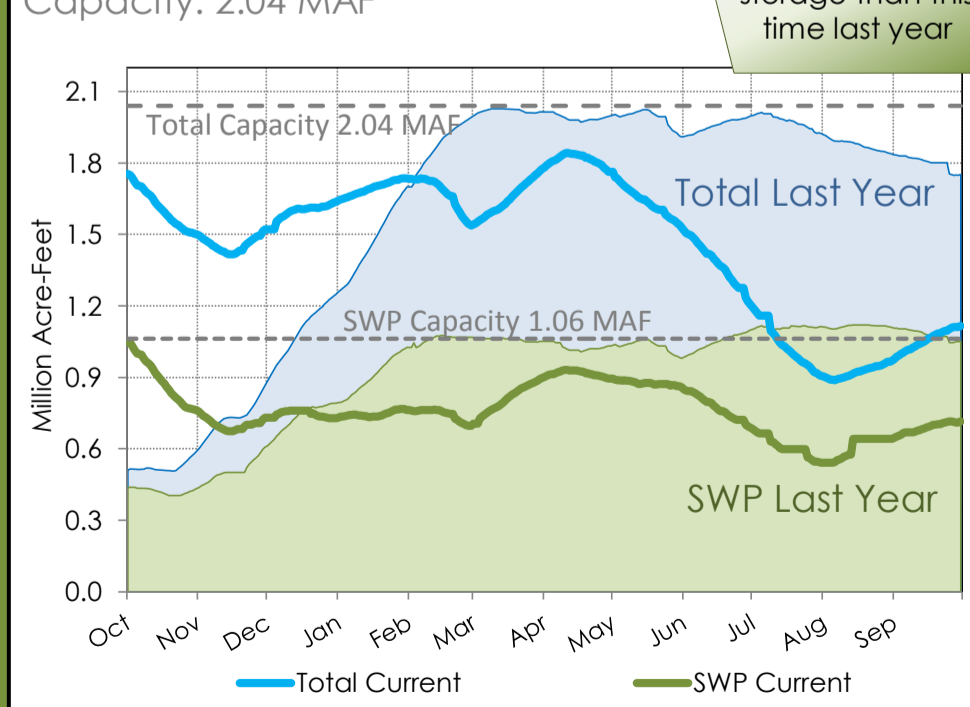
## Oroville Reservoir Storage



## 5 Station Index Precip



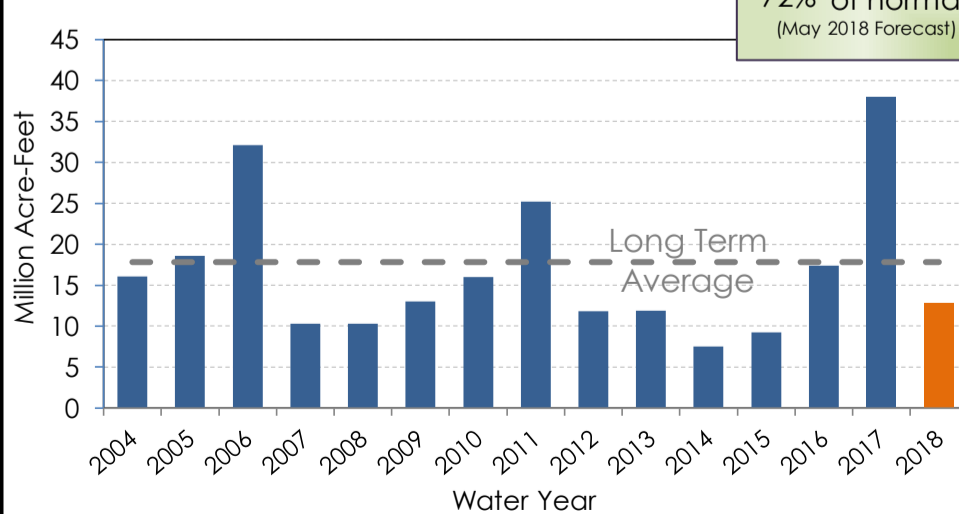
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	15,000
Article 14b	27,500
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

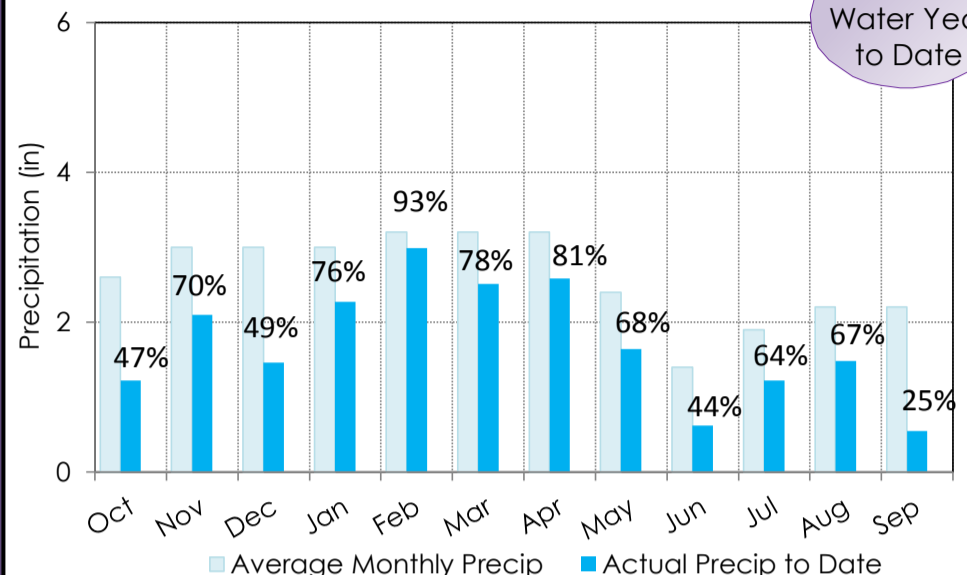
## Sacramento River Runoff



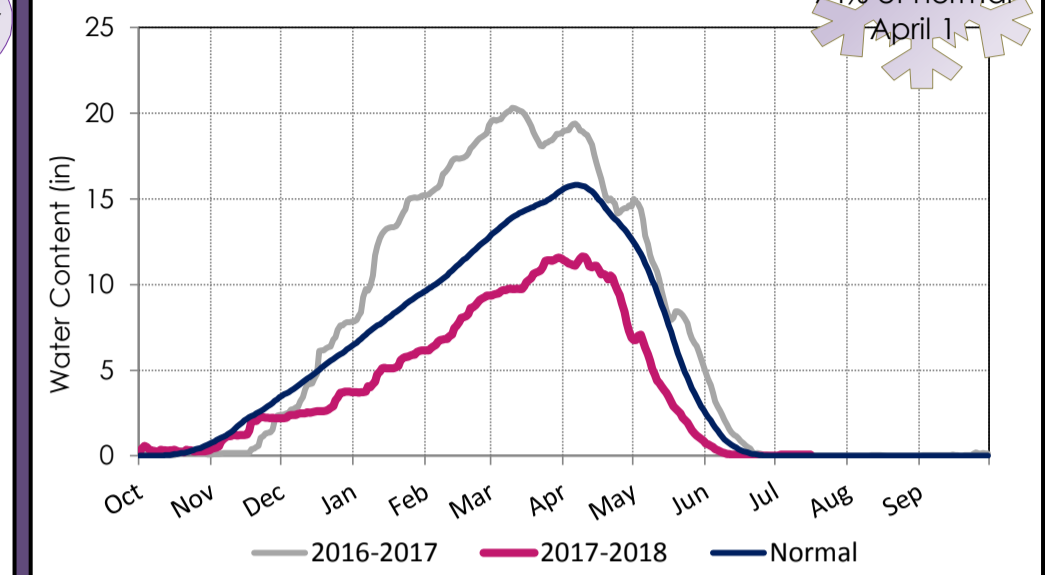
# Colorado River Resources

As of: 09/30/2018

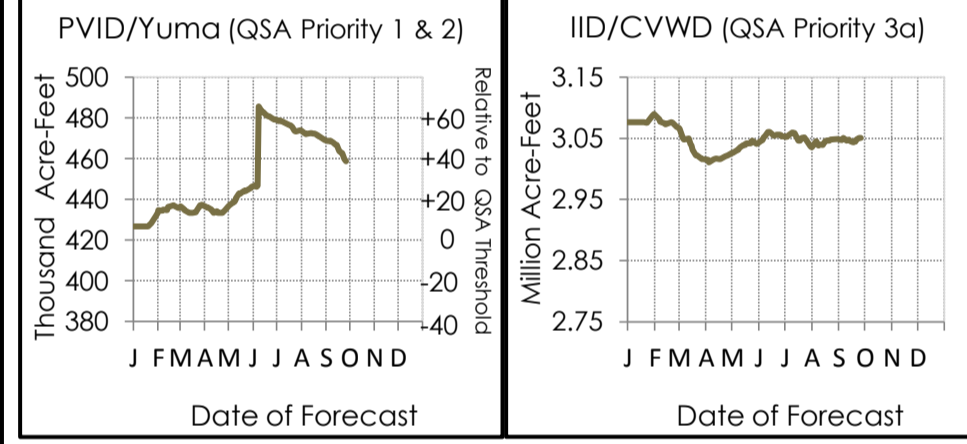
## Upper Colorado Basin Precip



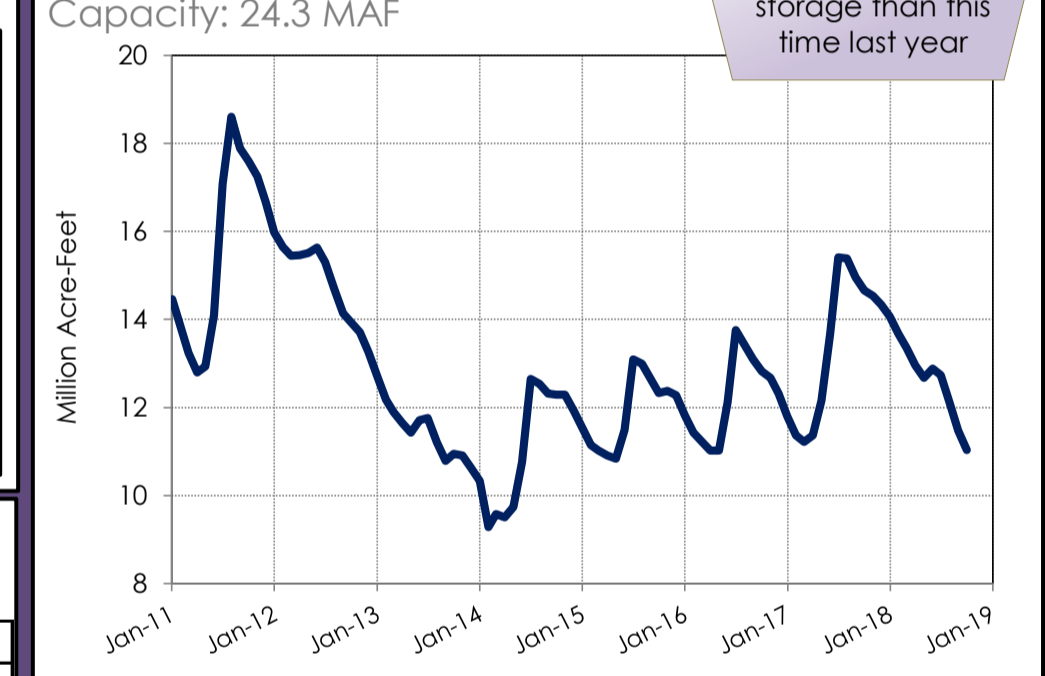
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

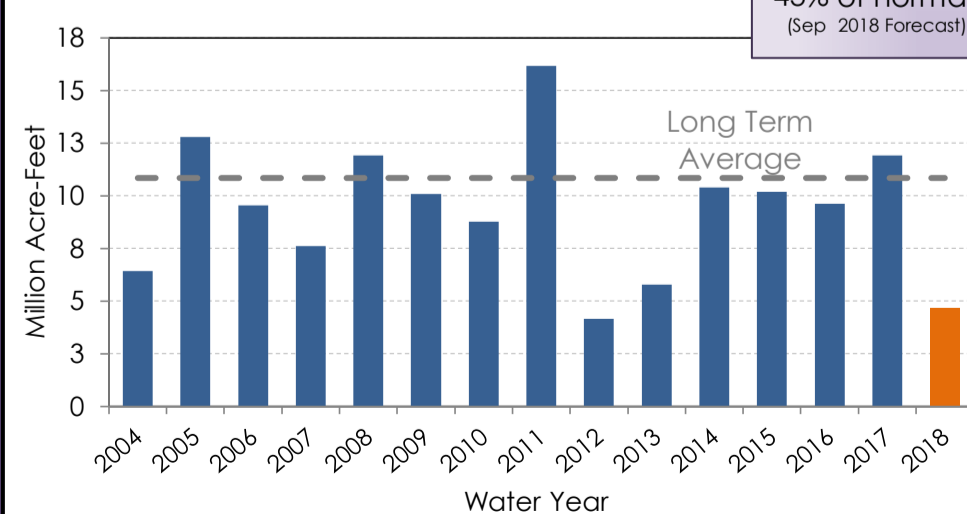


## Lake Mead Shortage/Surplus Outlook

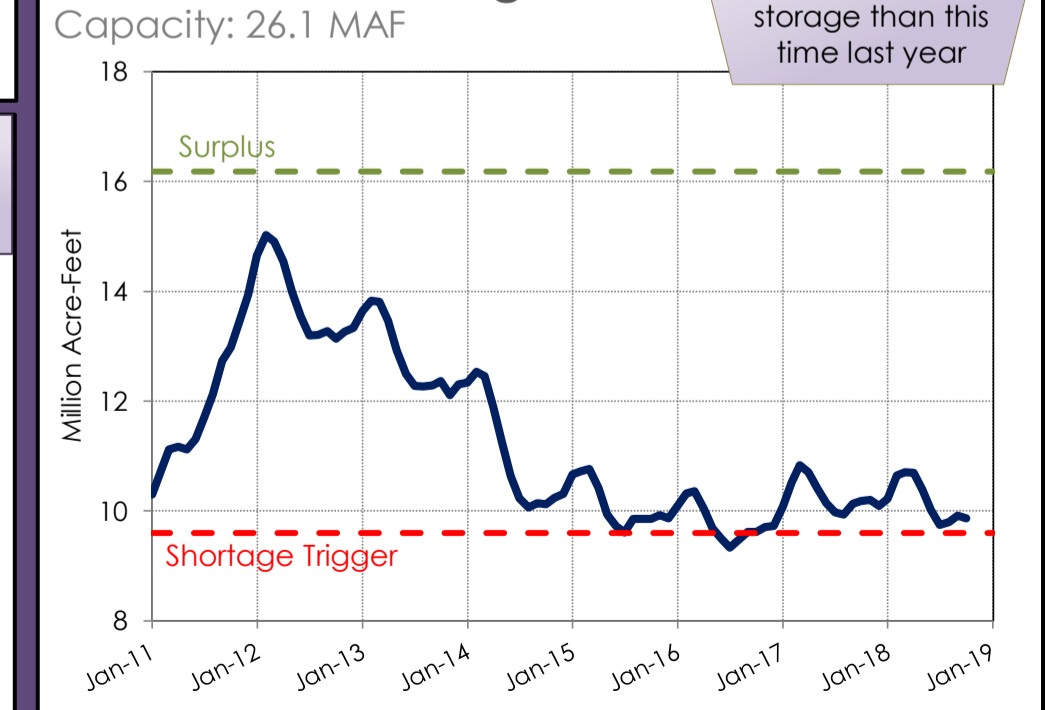
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

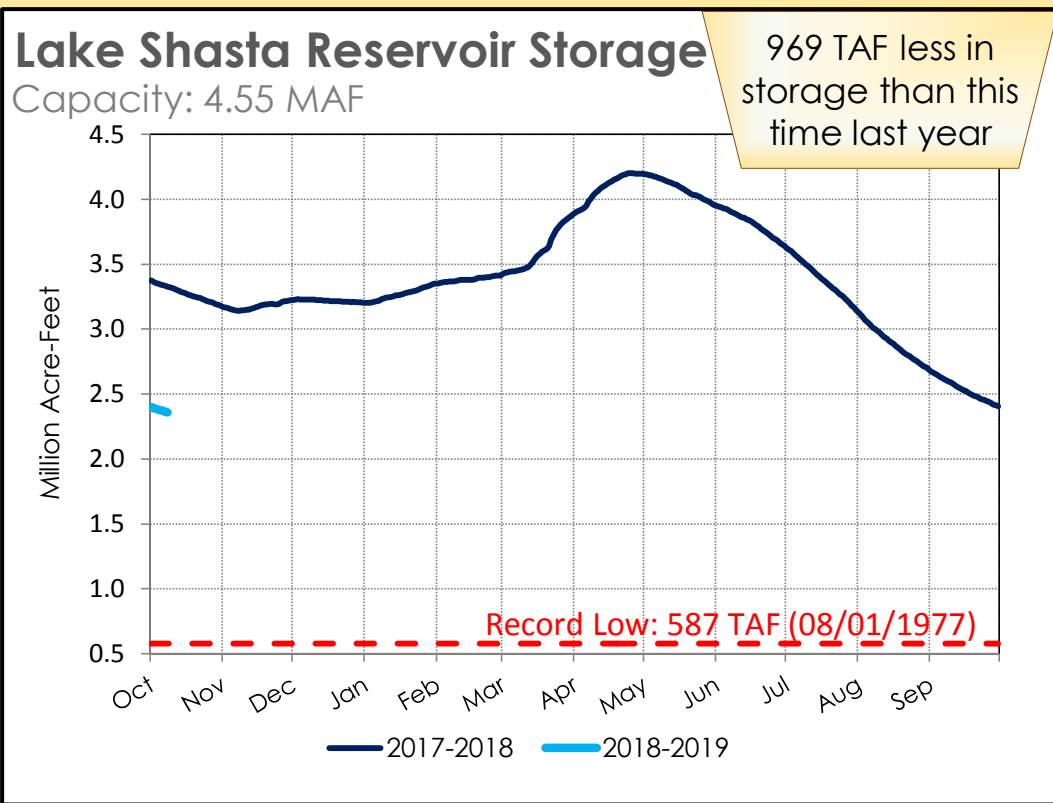
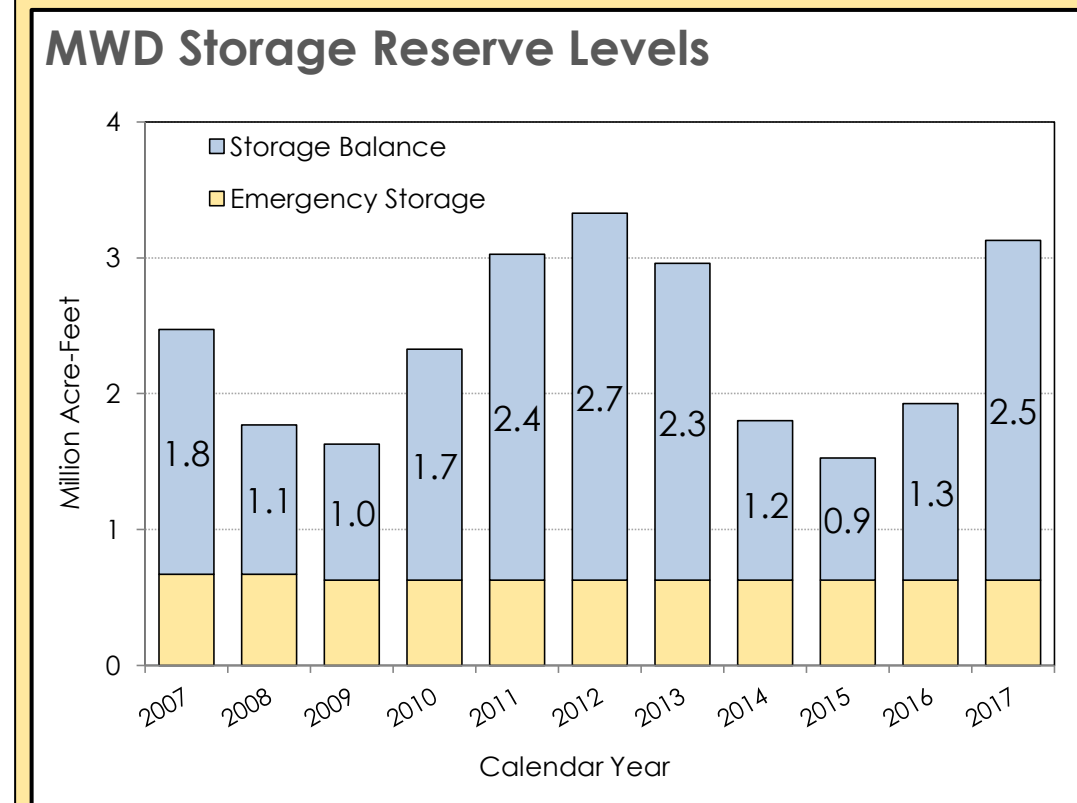
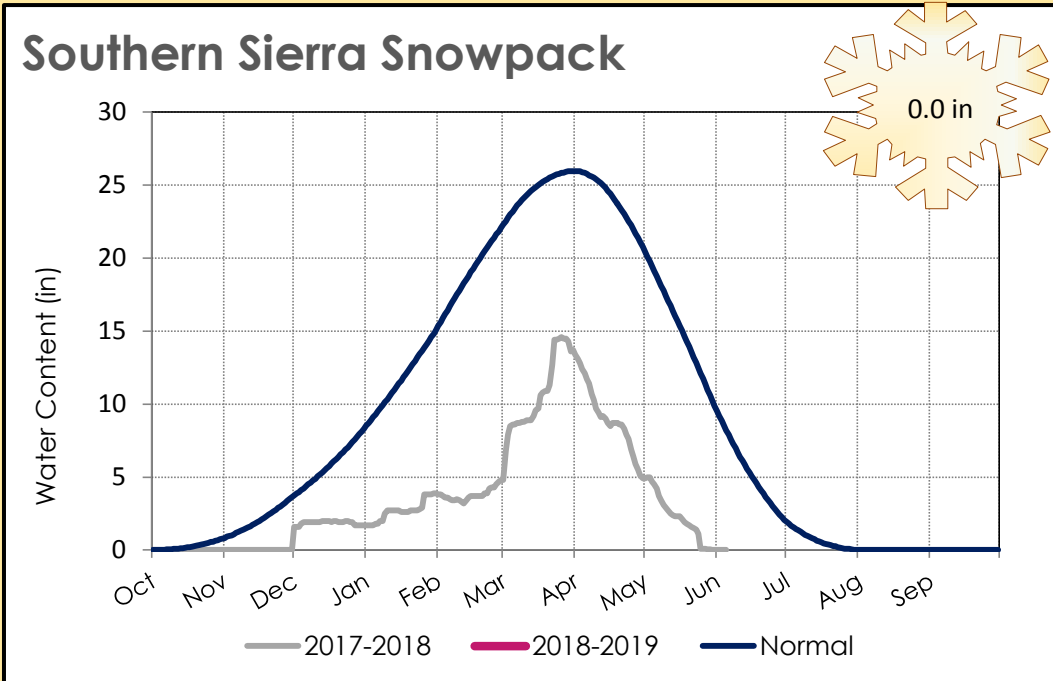
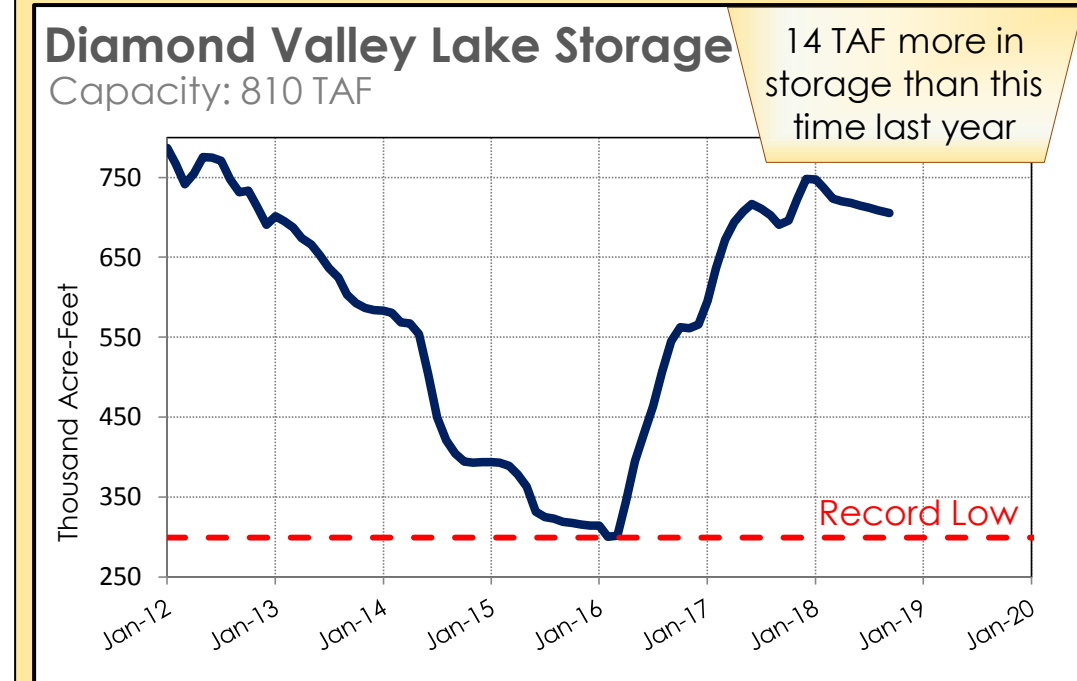
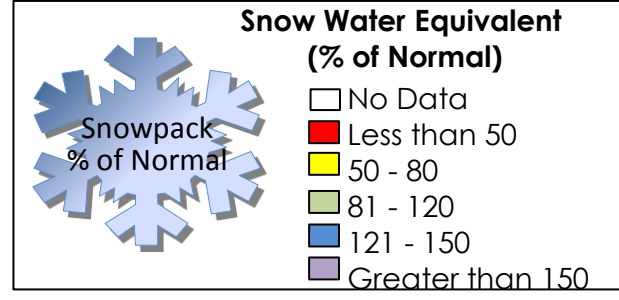
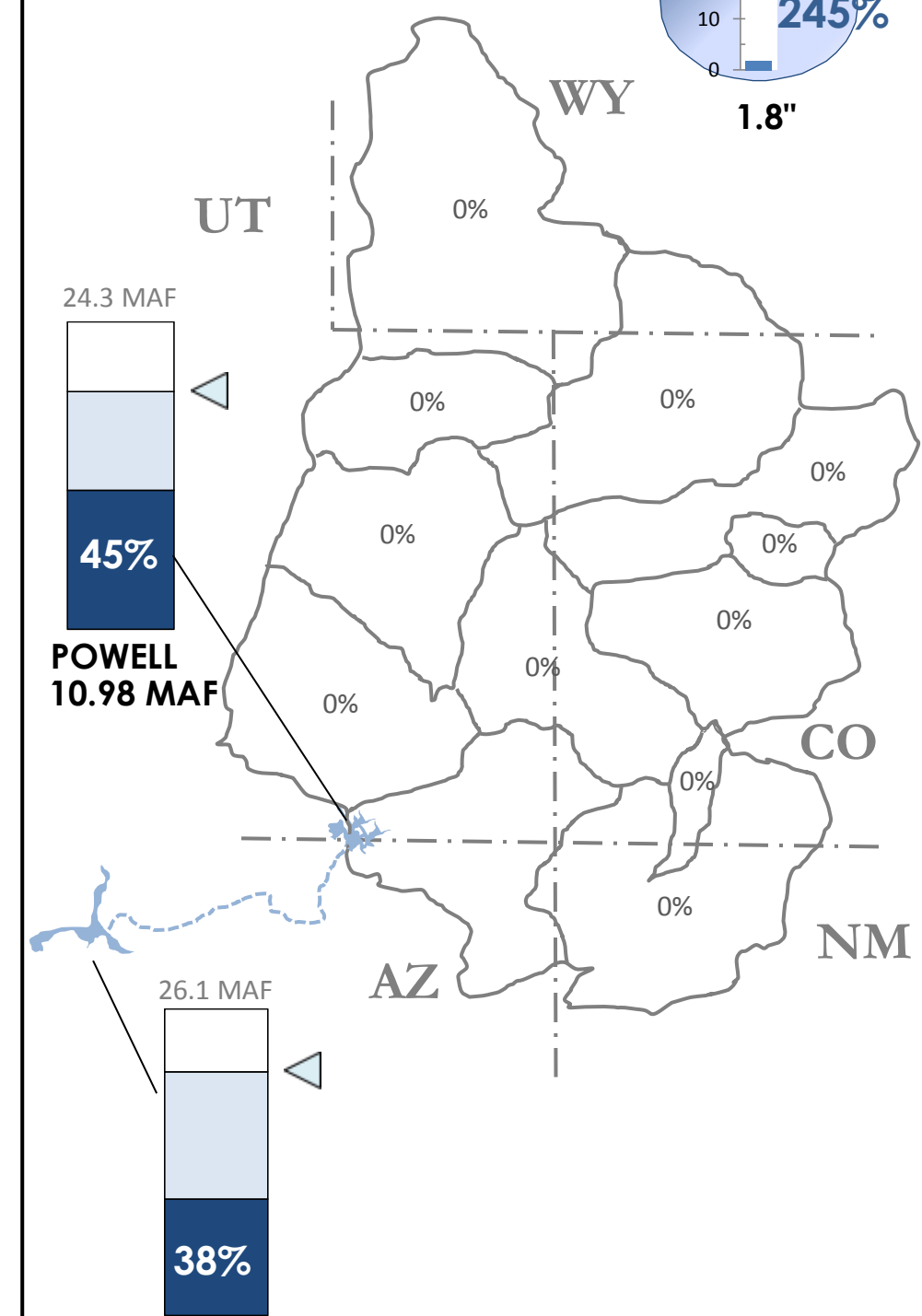
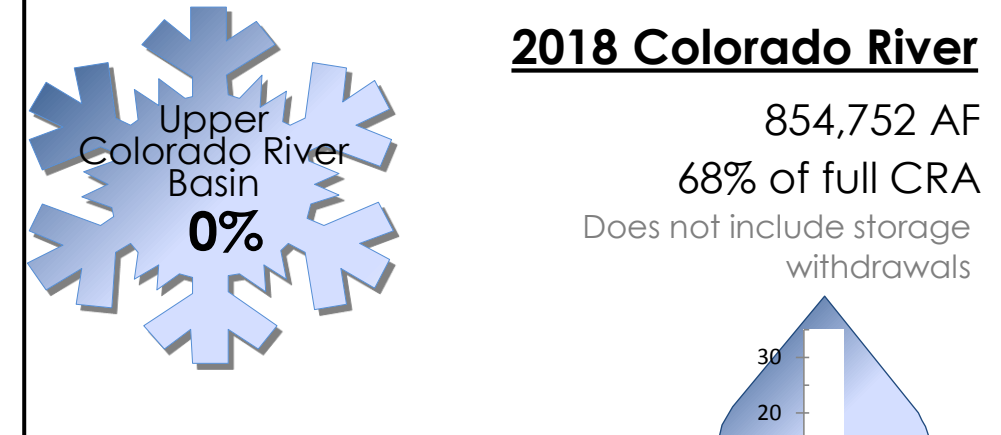
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage

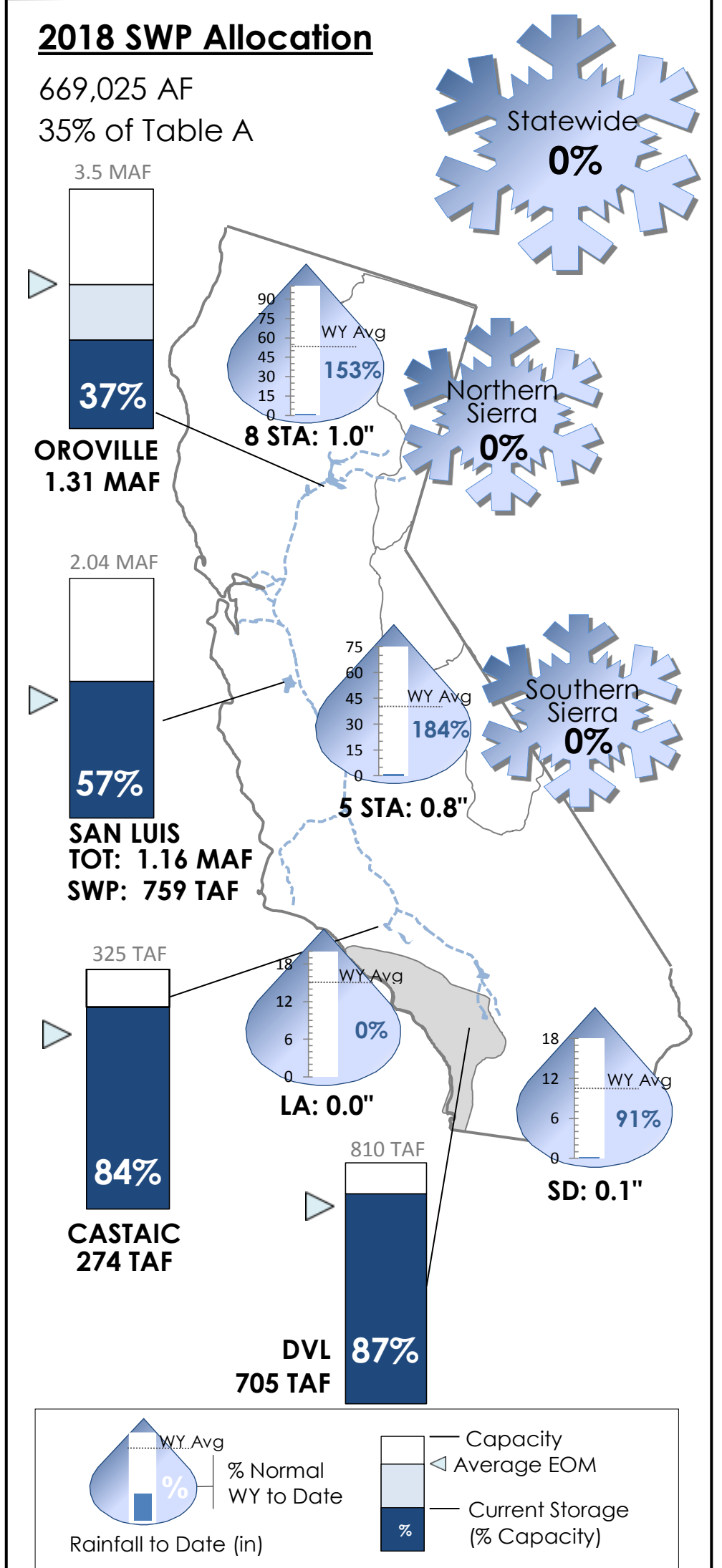




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<http://www.mwdh2o.com/WSCR>

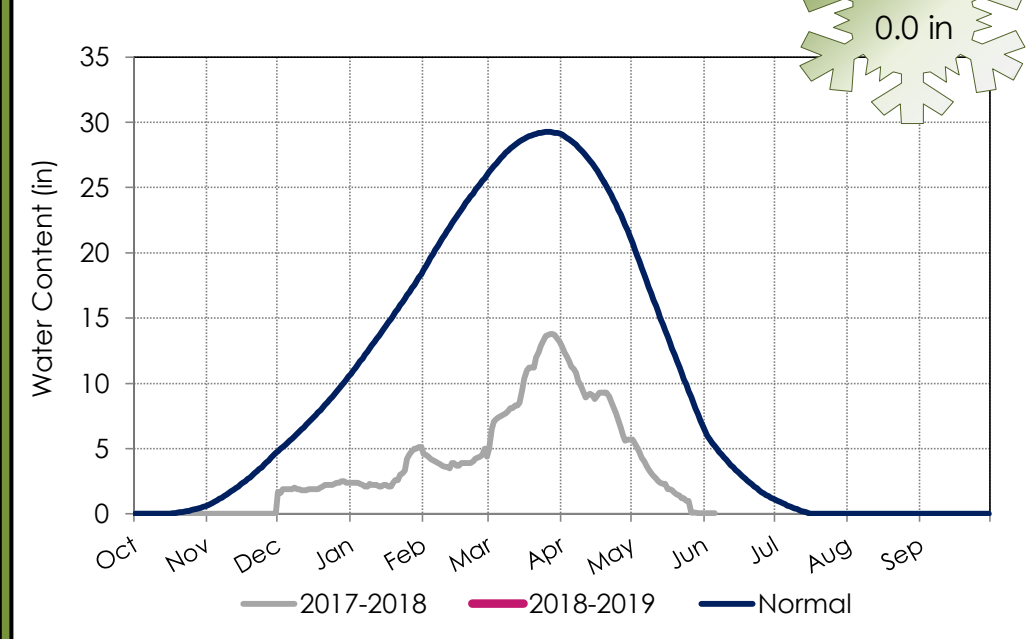
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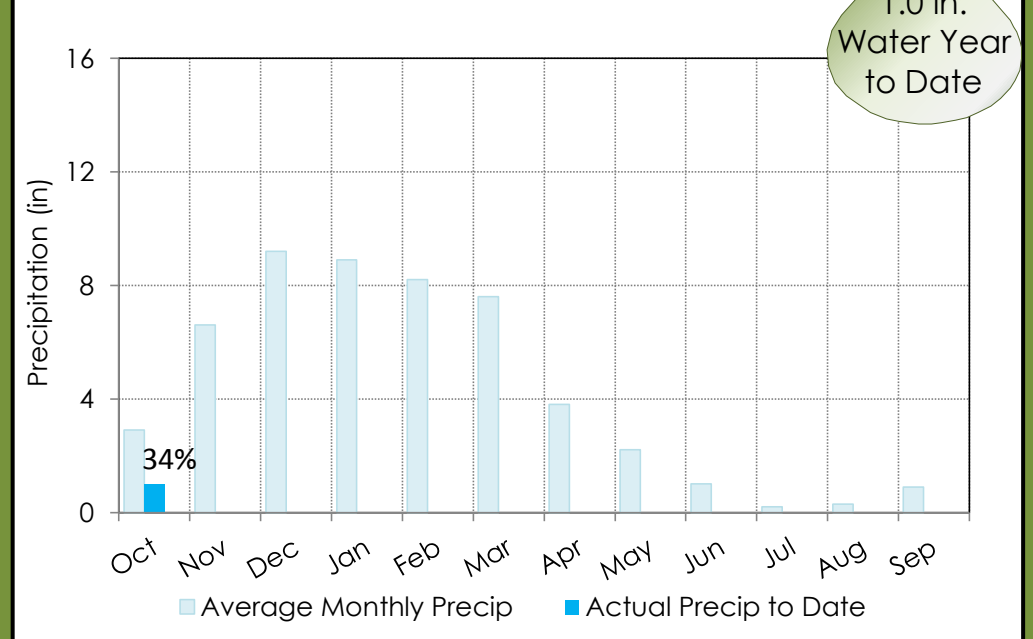
As of: 10/08/2018

# State Water Project Resources

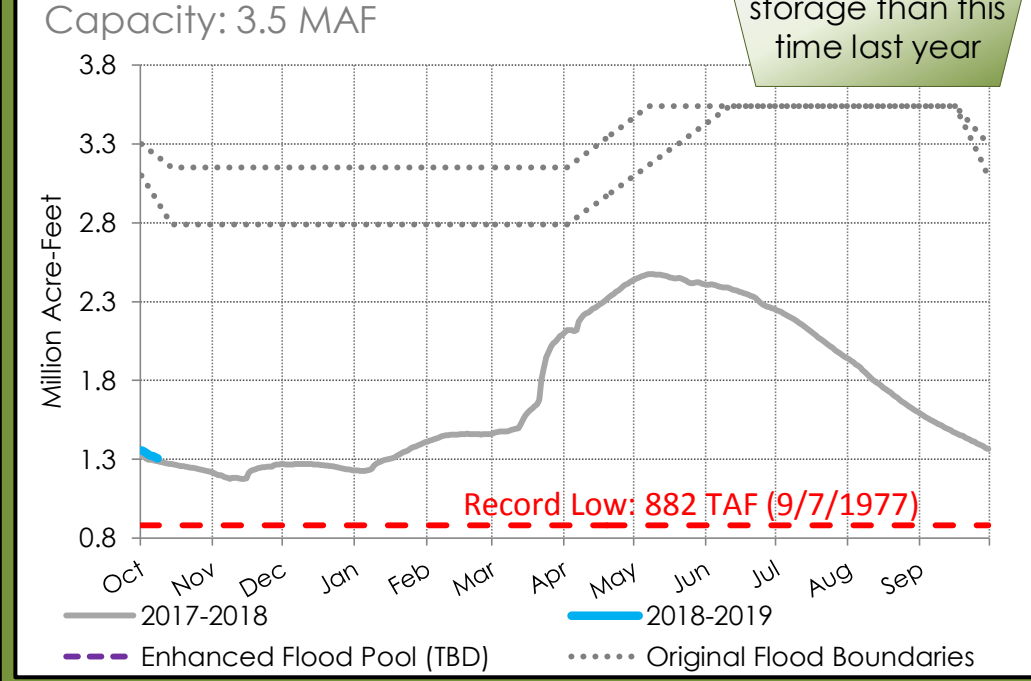
## Northern Sierra Snowpack



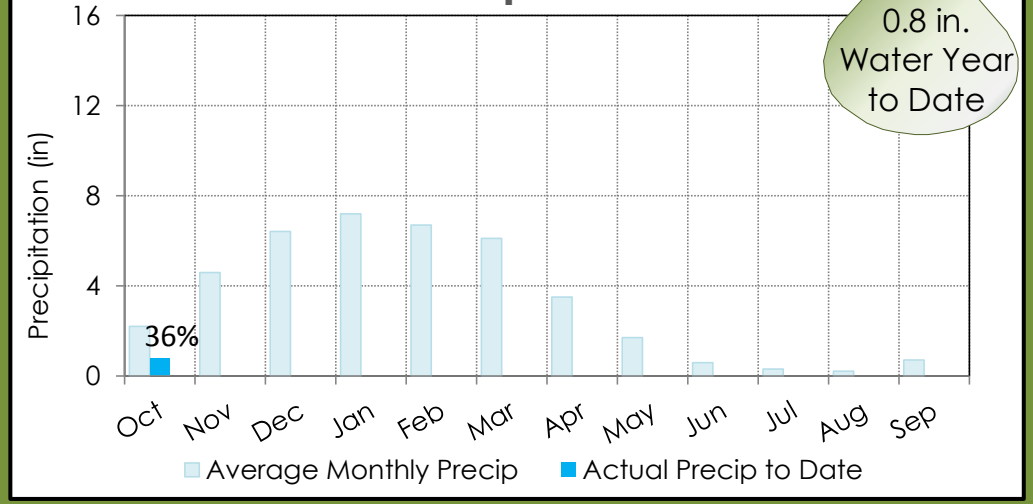
## 8 Station Index Precip



## Oroville Reservoir Storage



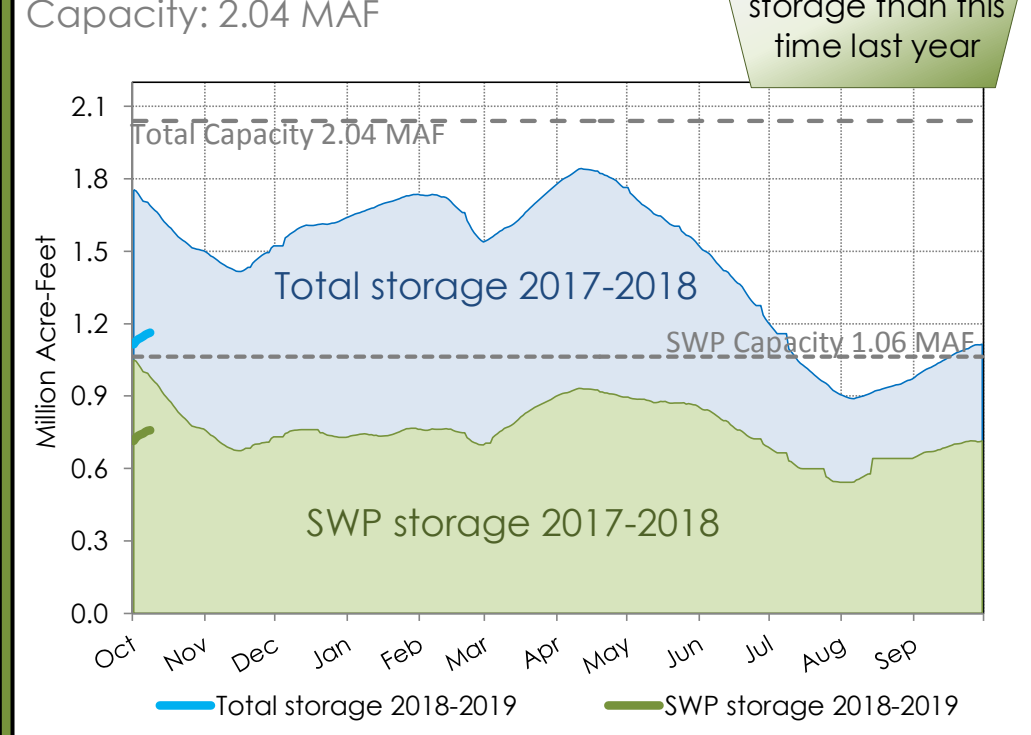
## 5 Station Index Precip



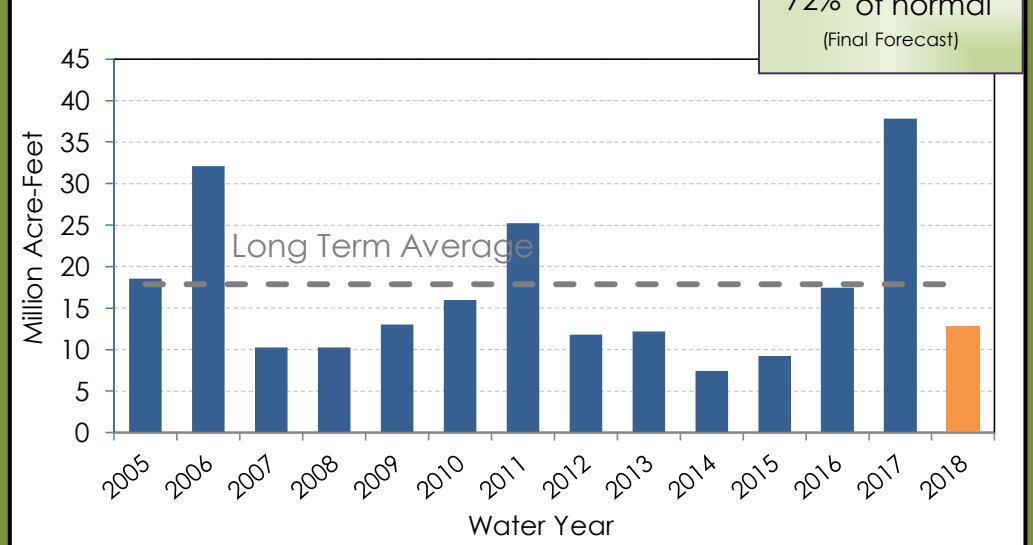
## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	15,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

## San Luis Reservoir Storage



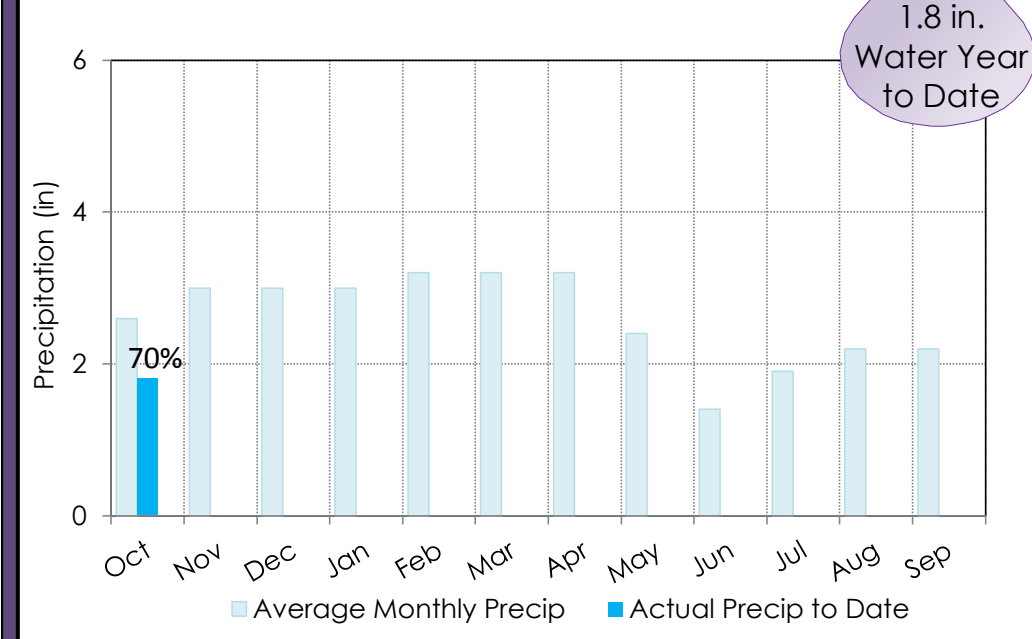
## Sacramento River Runoff



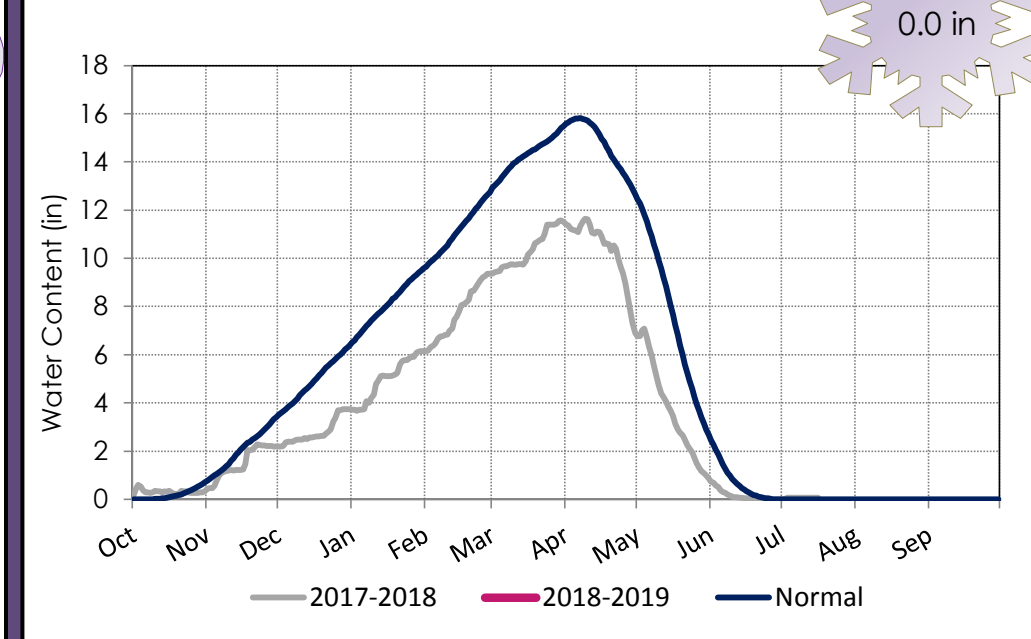
# Colorado River Resources

As of: 10/08/2018

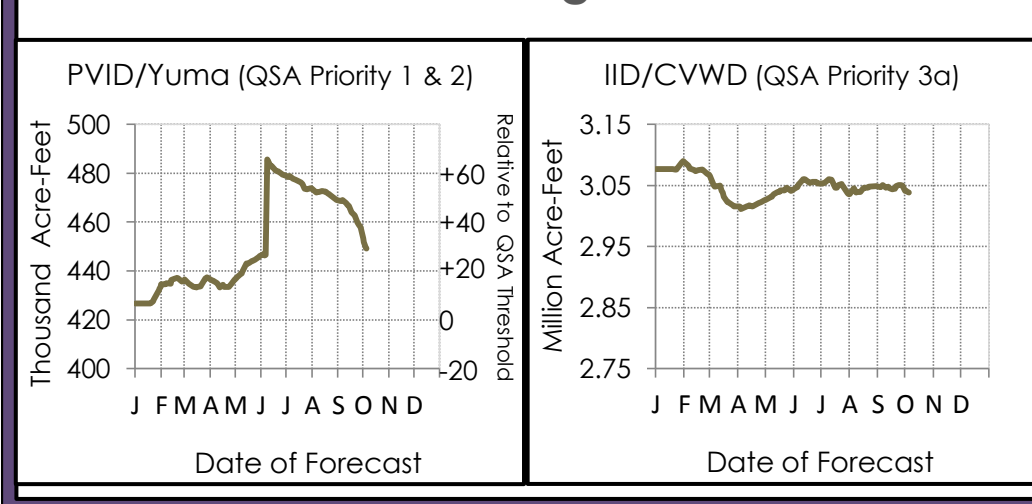
## Upper Colorado Basin Precip



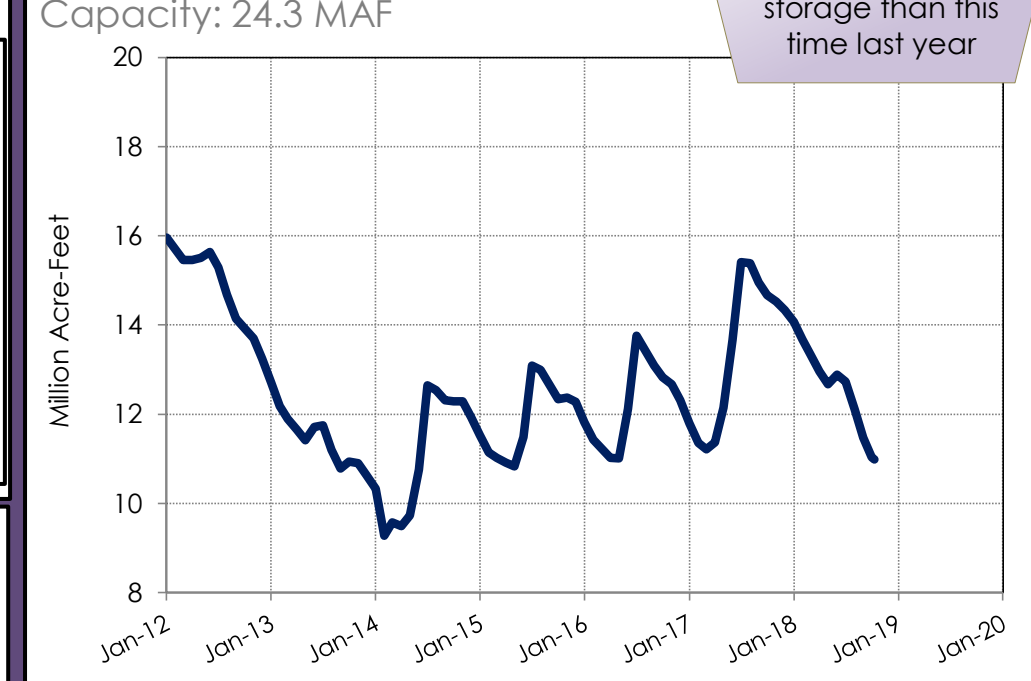
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

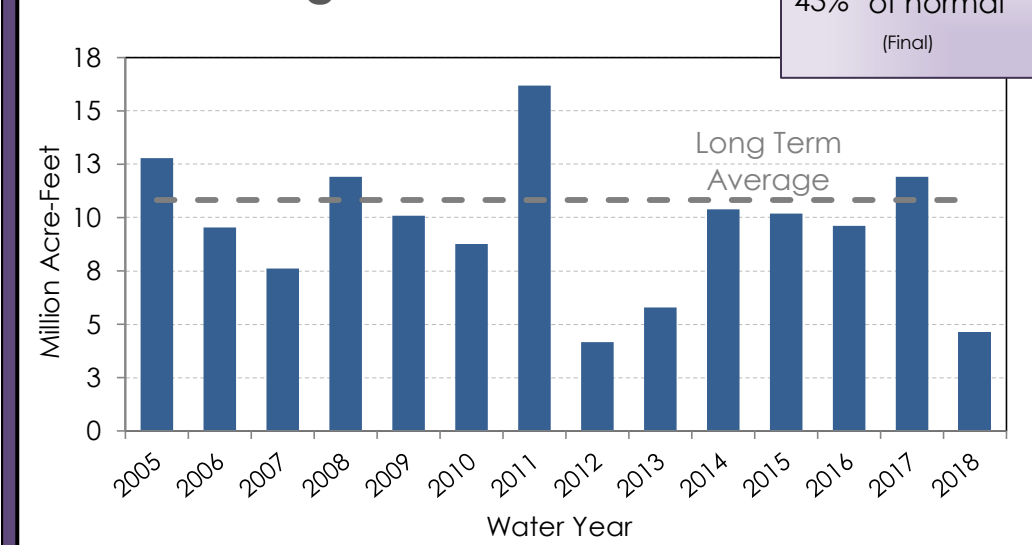


## Lake Mead Shortage/Surplus Outlook

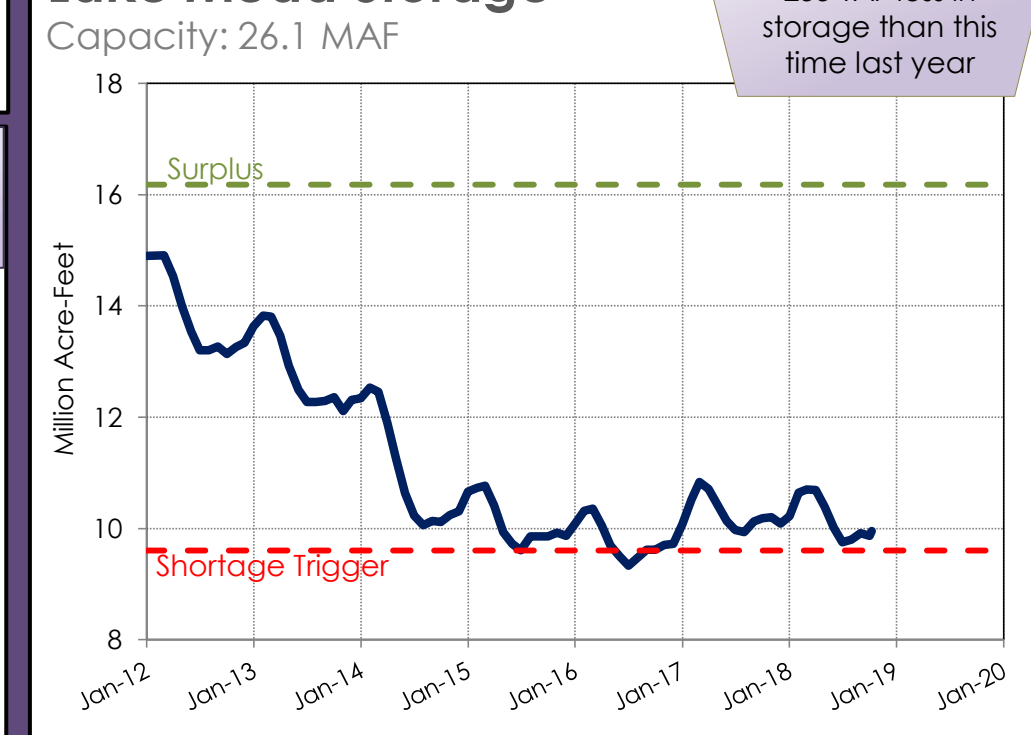
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

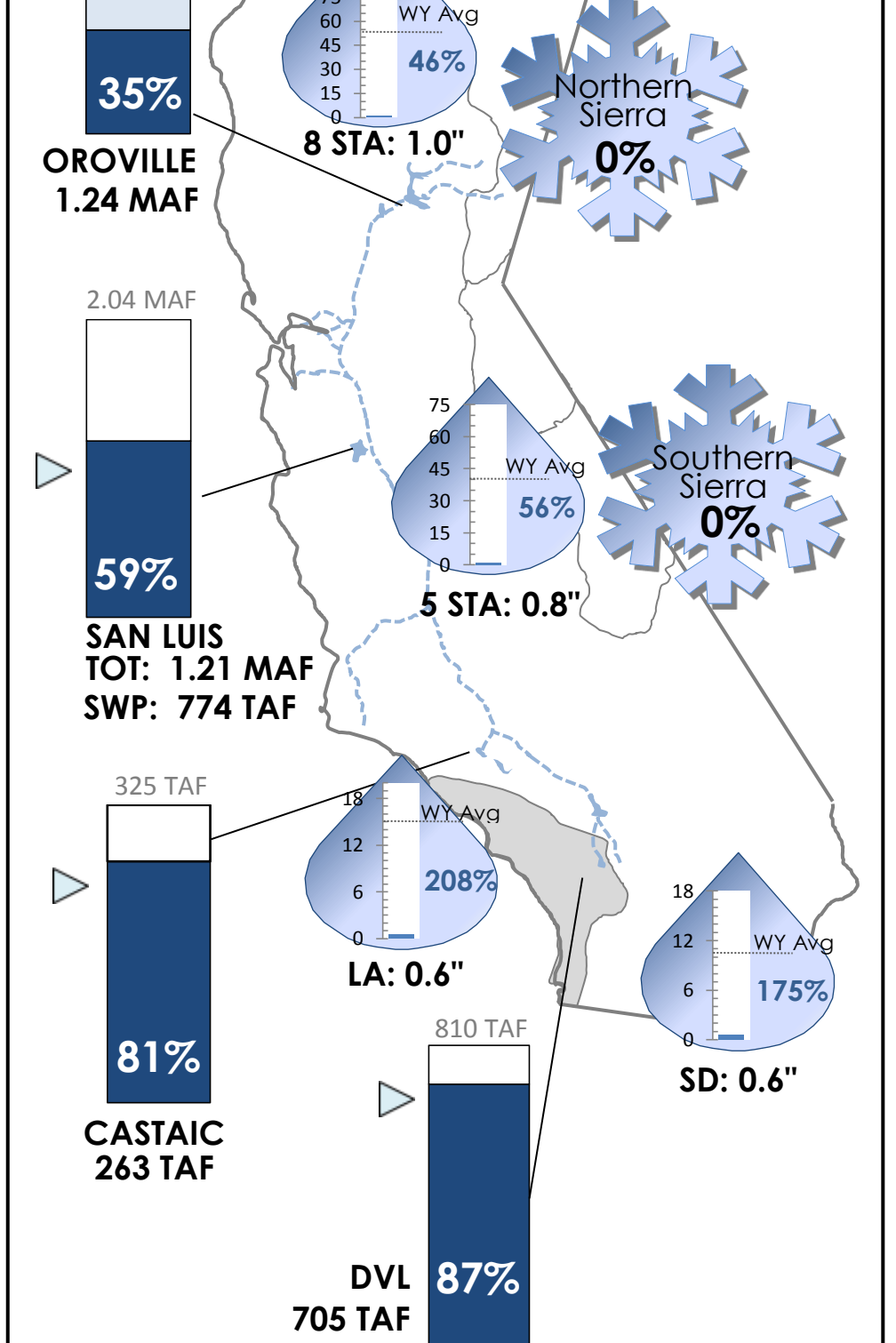
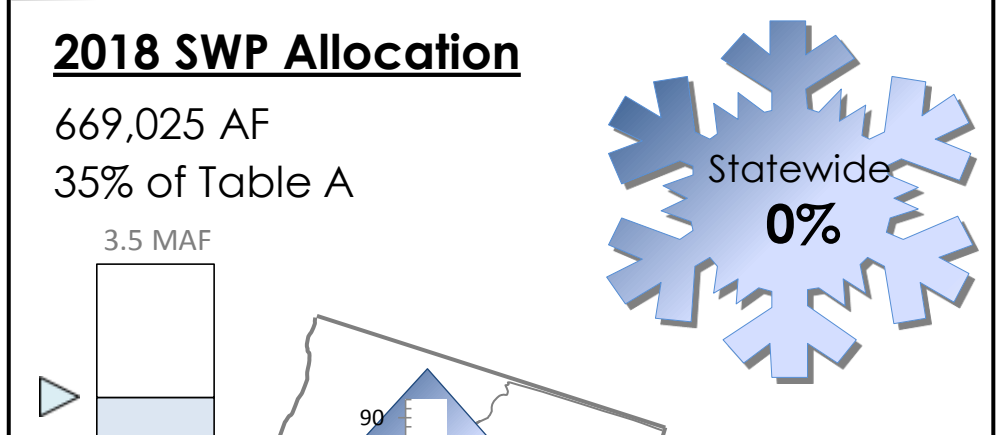
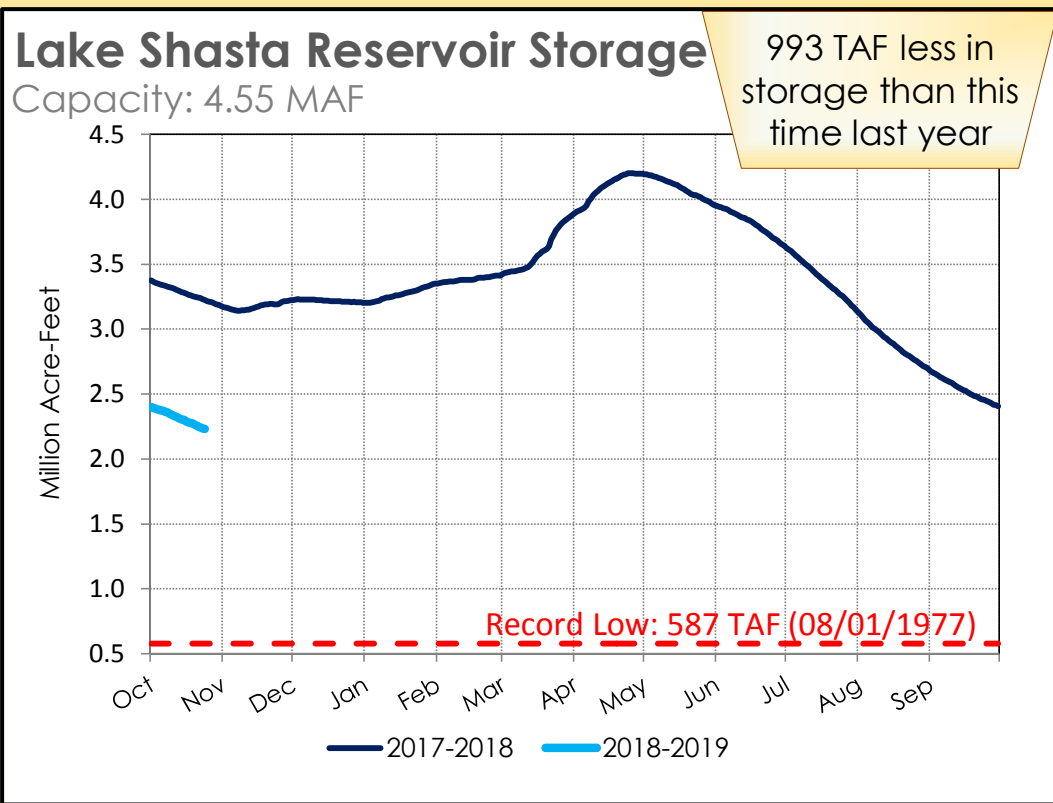
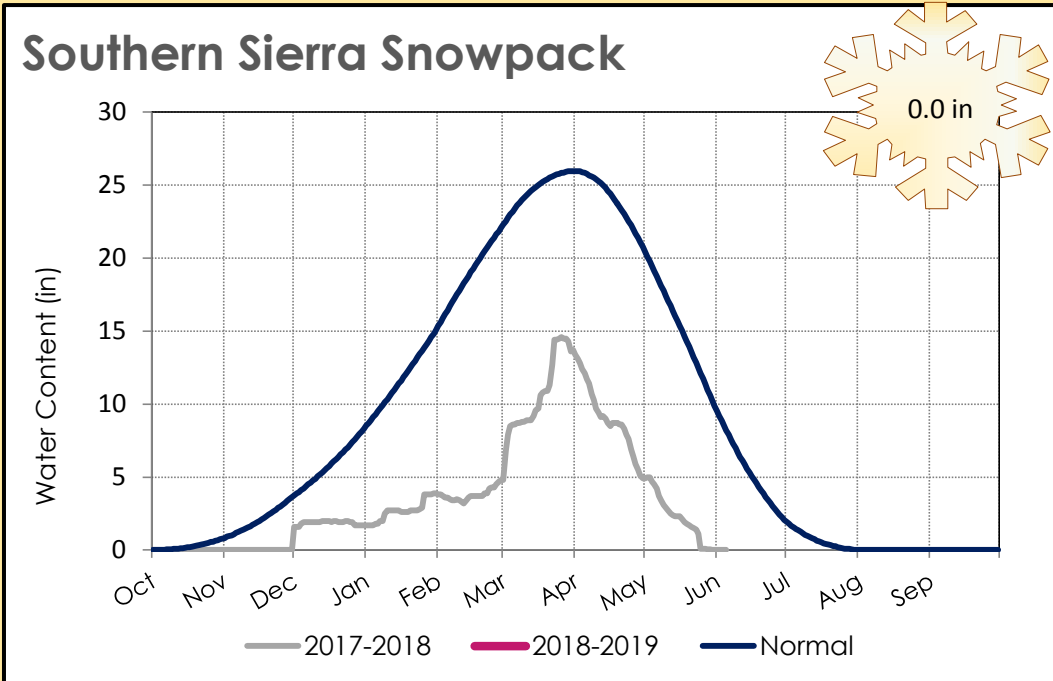
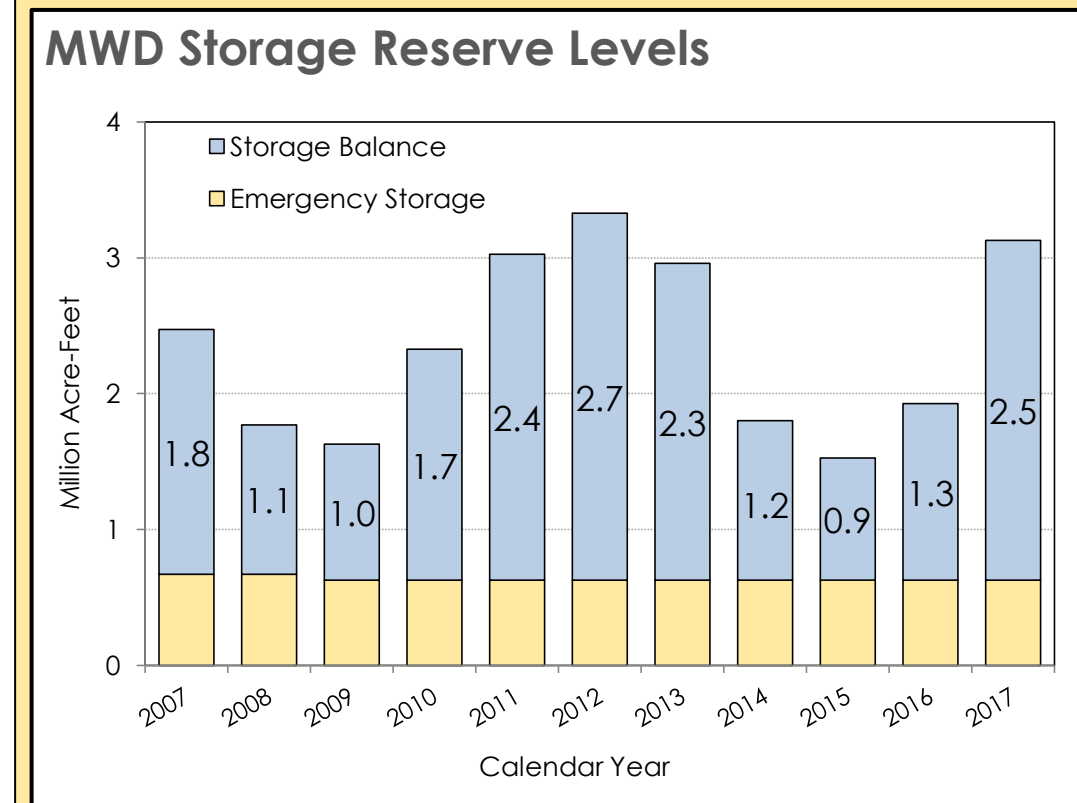
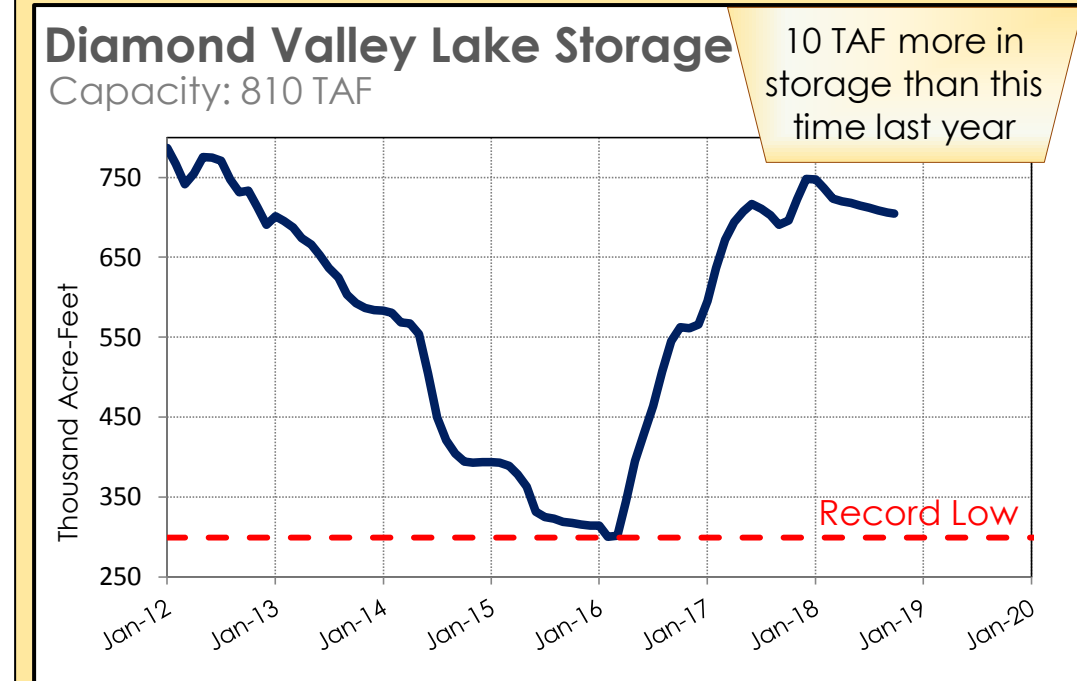
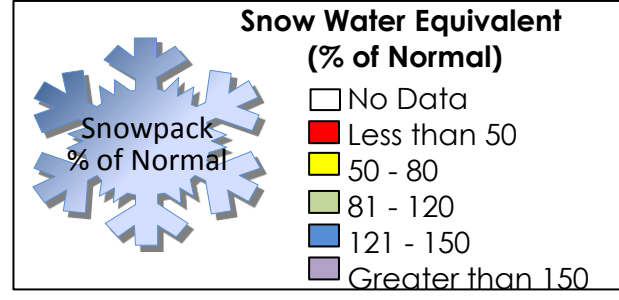
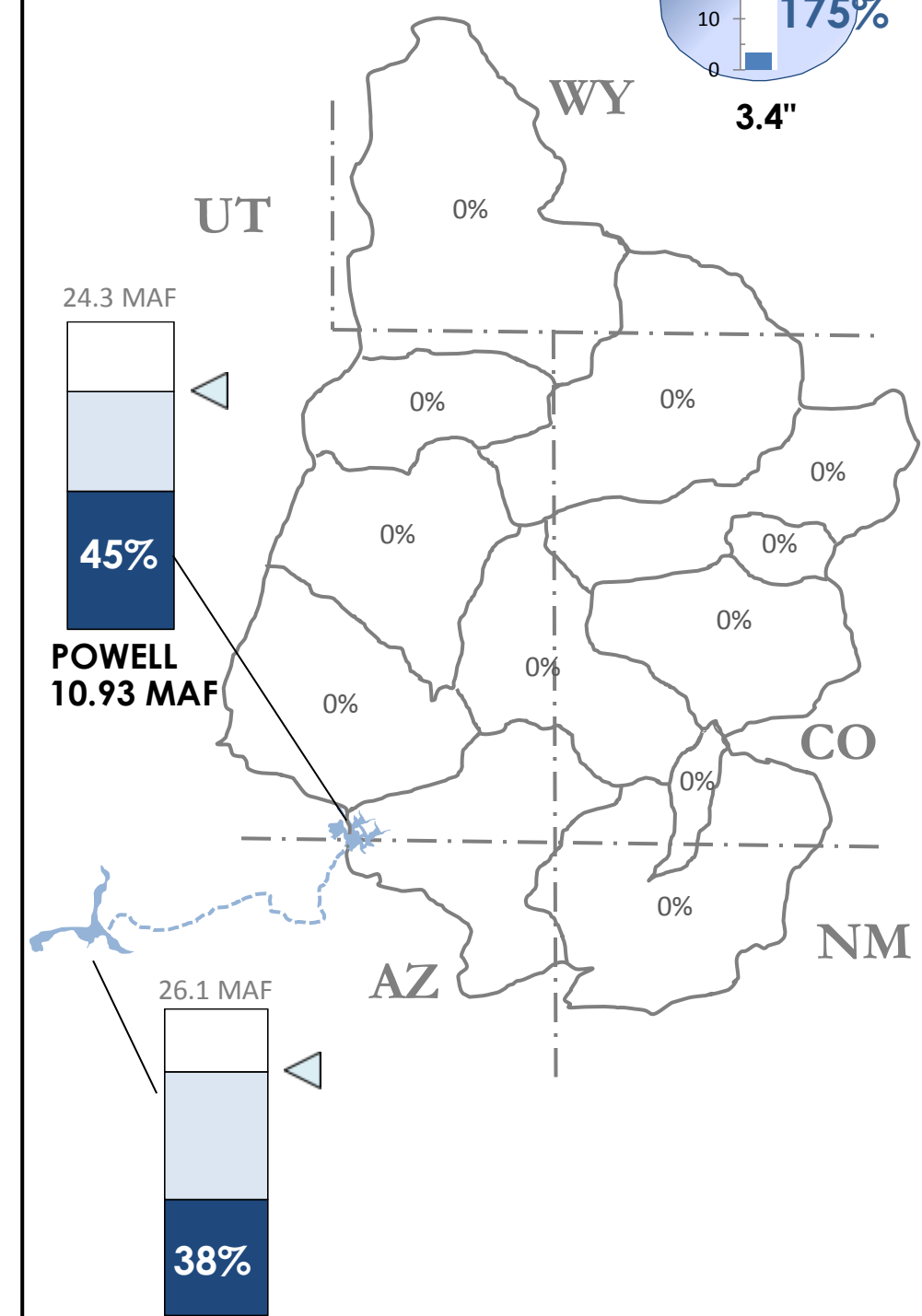
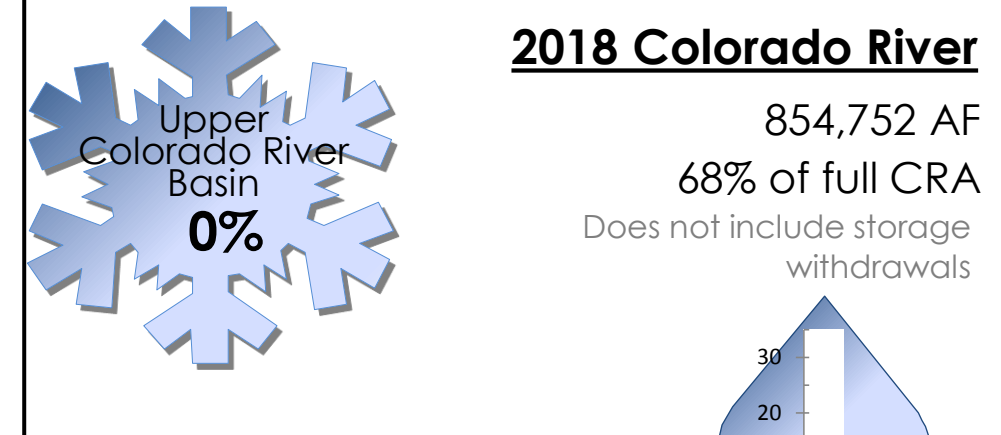
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



## Lake Mead Storage

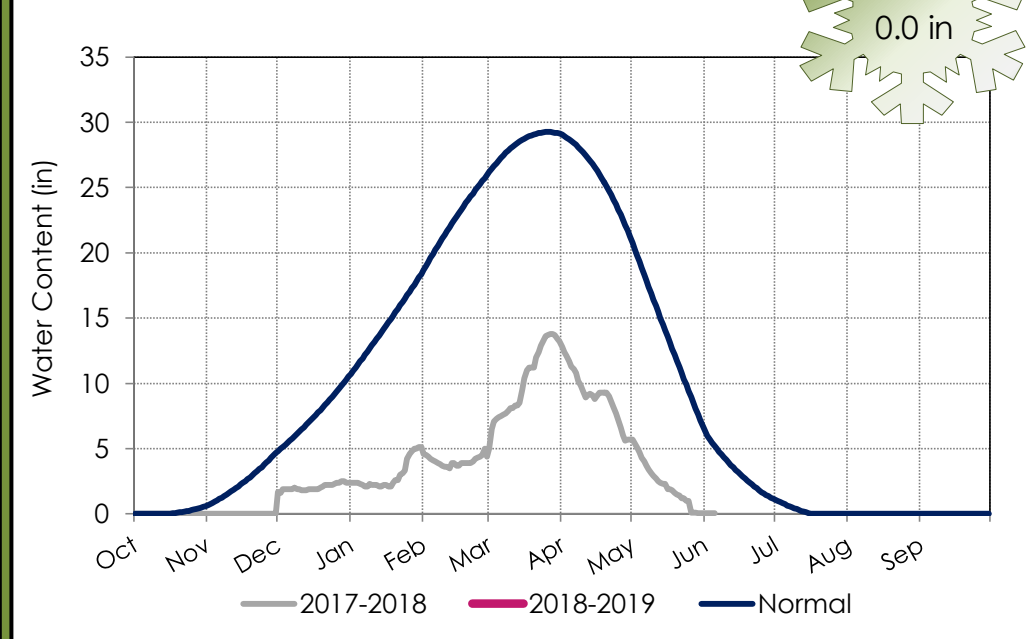




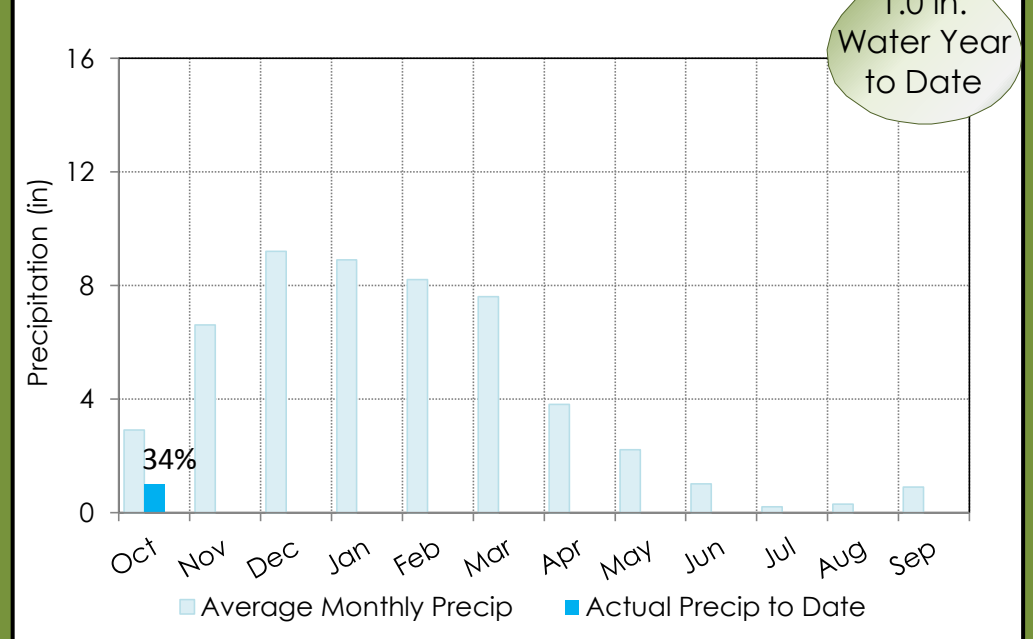
As of: 10/24/2018

# State Water Project Resources

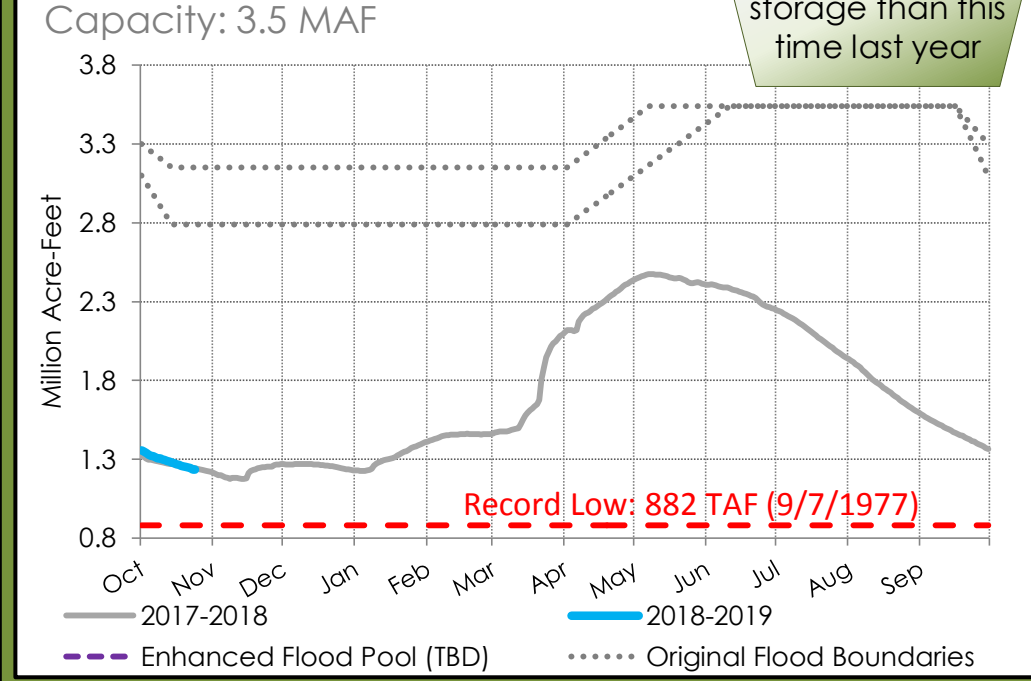
## Northern Sierra Snowpack



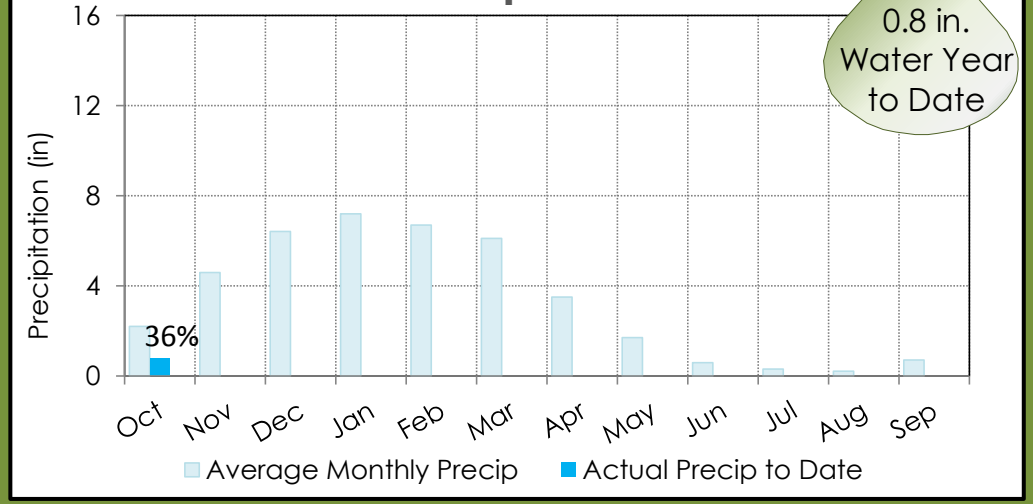
## 8 Station Index Precip



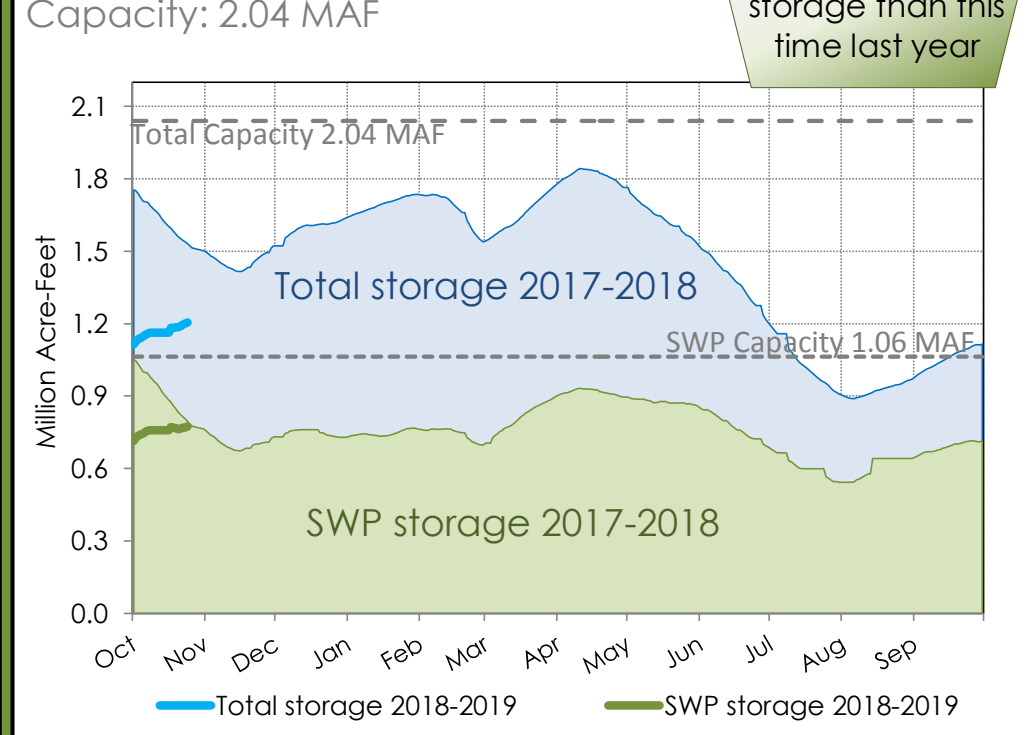
## Oroville Reservoir Storage



## 5 Station Index Precip



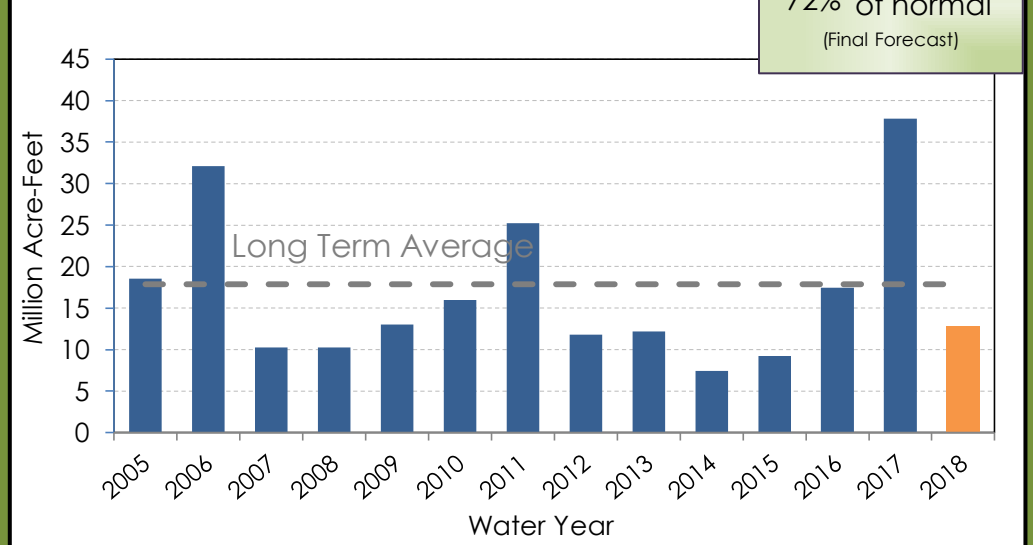
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	14,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

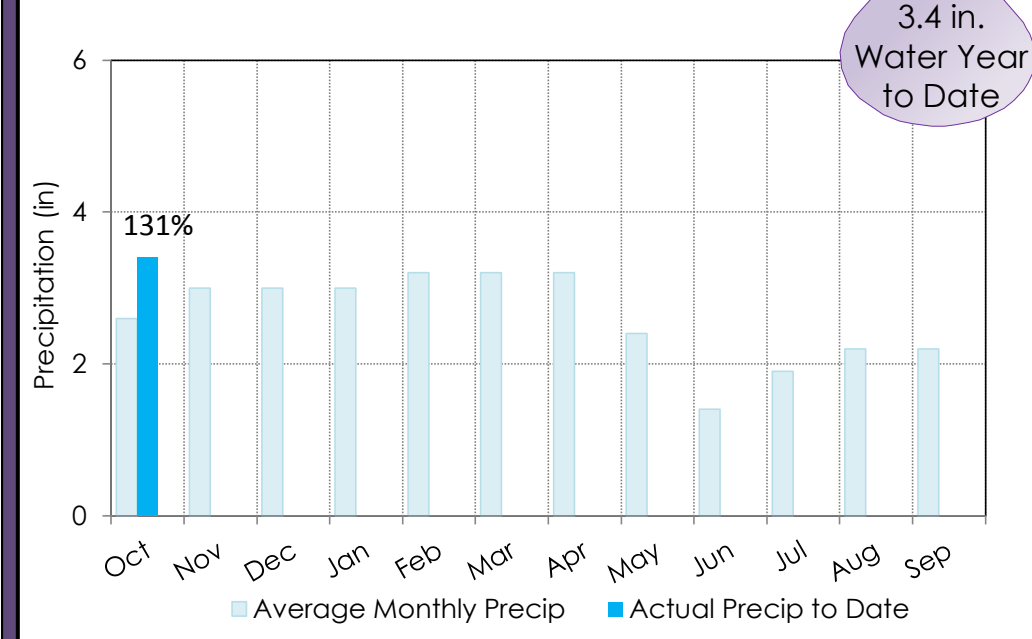
## Sacramento River Runoff



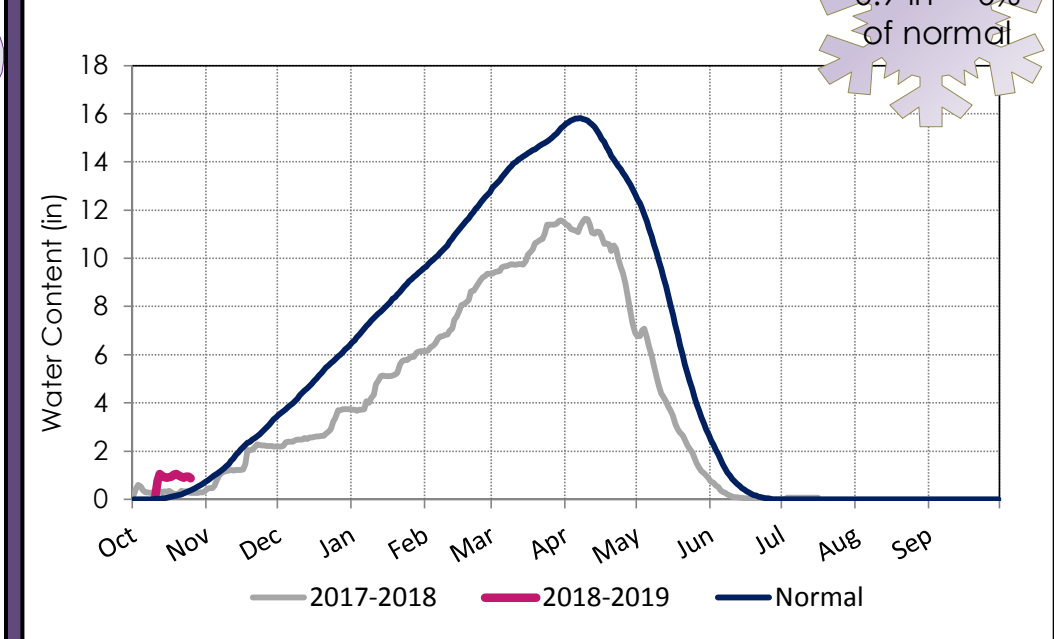
# Colorado River Resources

As of: 10/24/2018

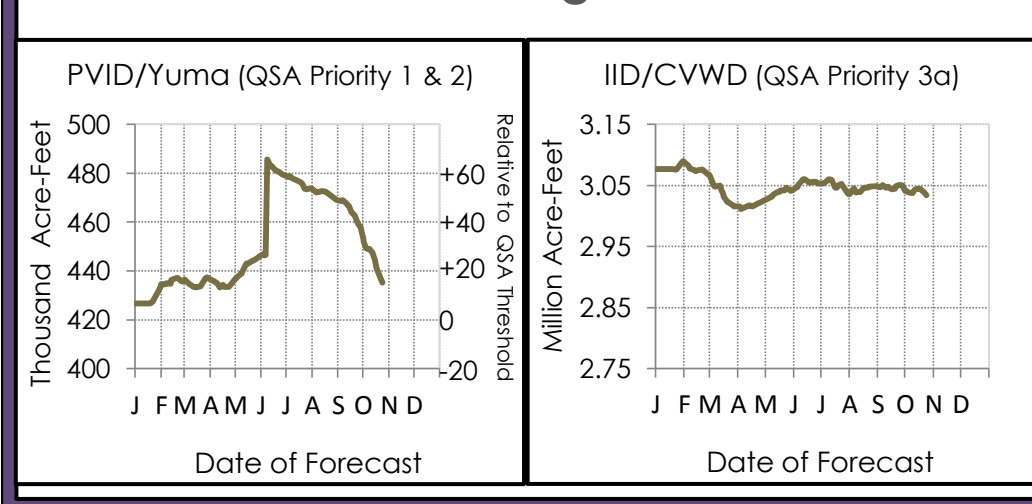
## Upper Colorado Basin Precip



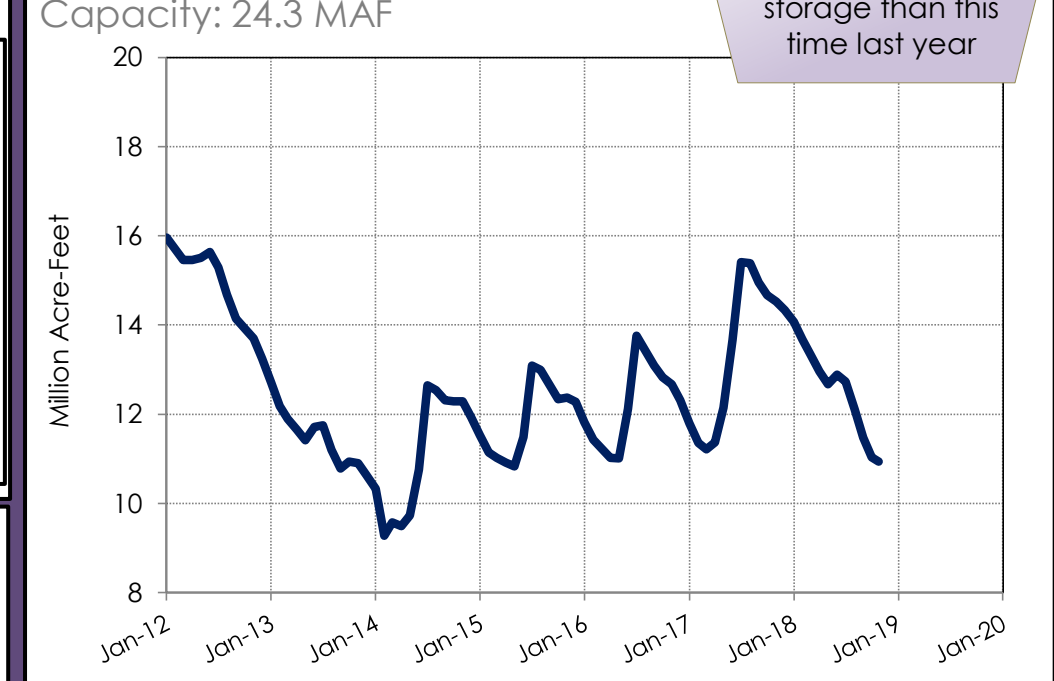
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

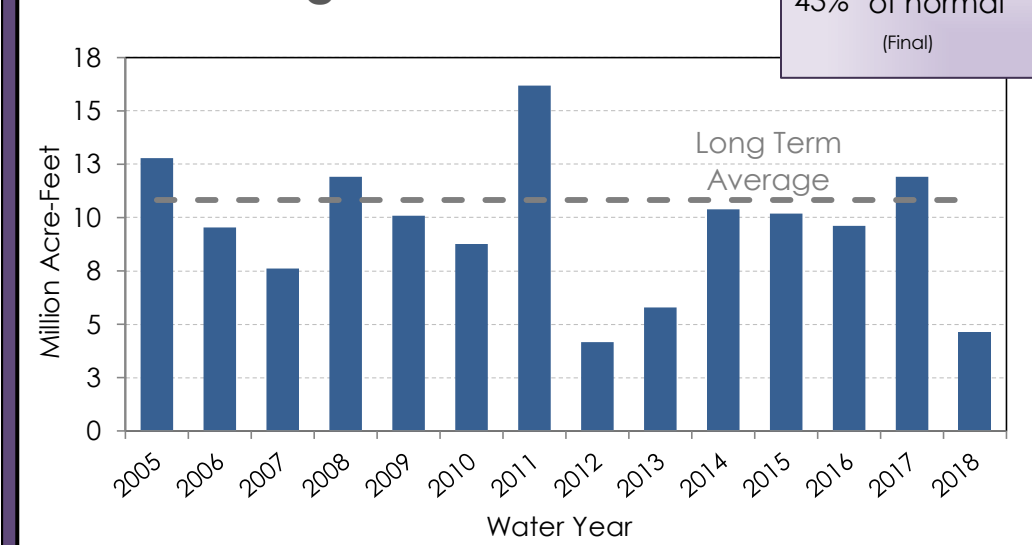


## Lake Mead Shortage/Surplus Outlook

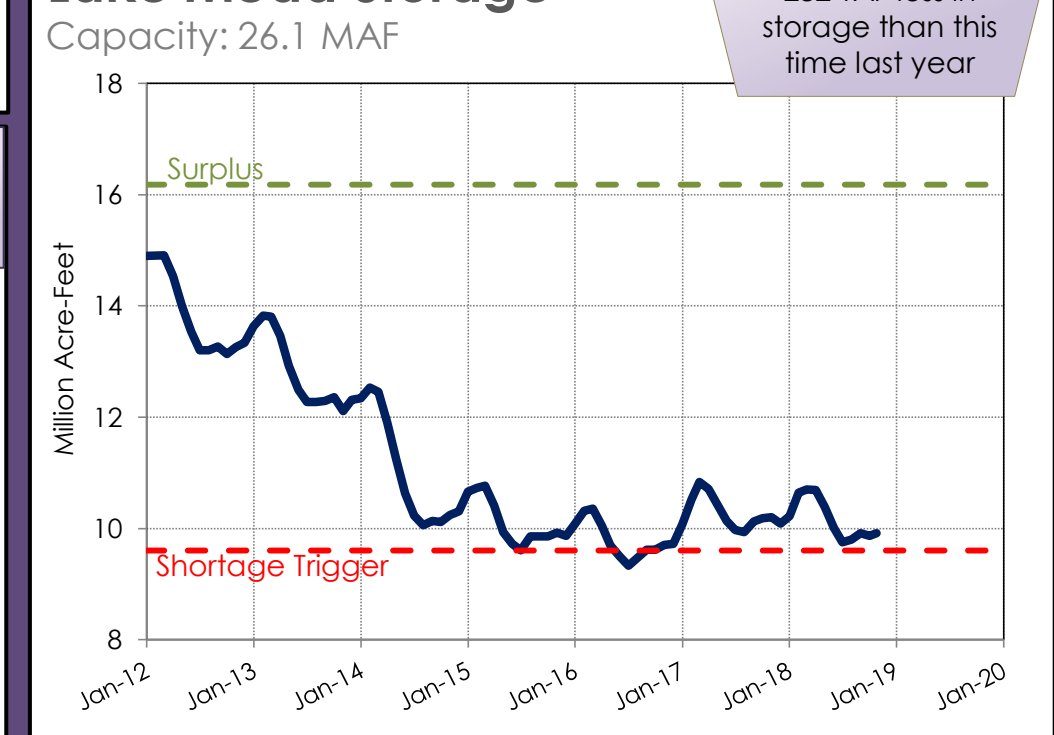
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
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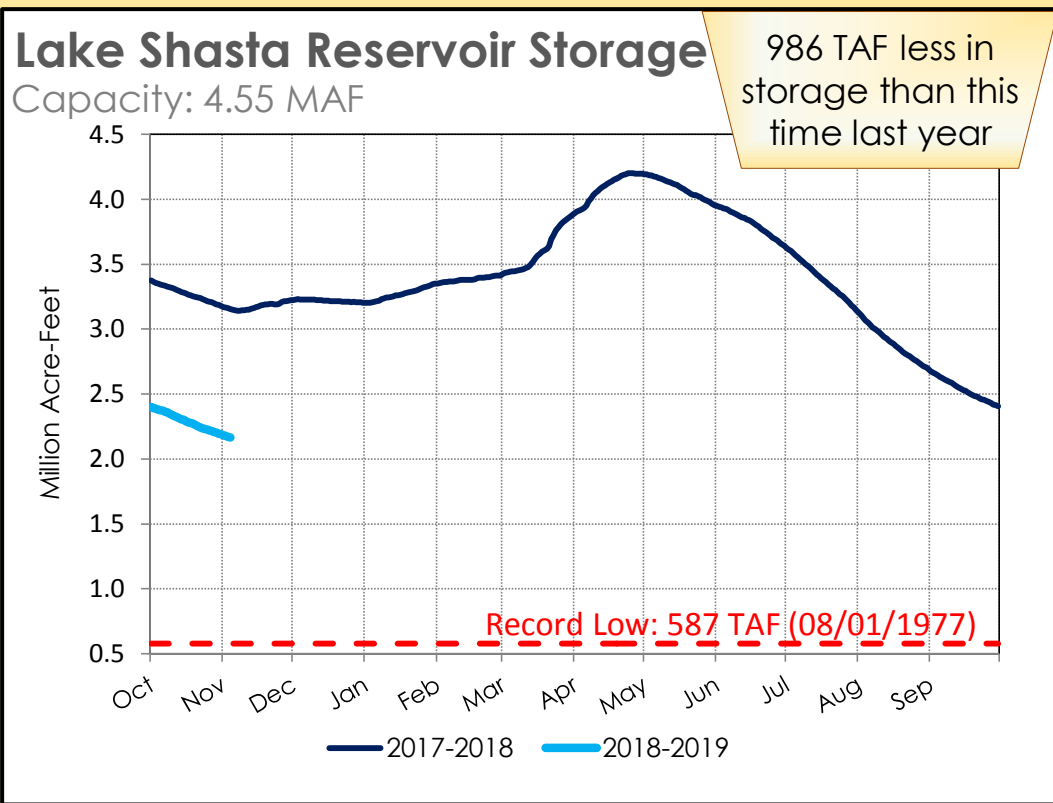
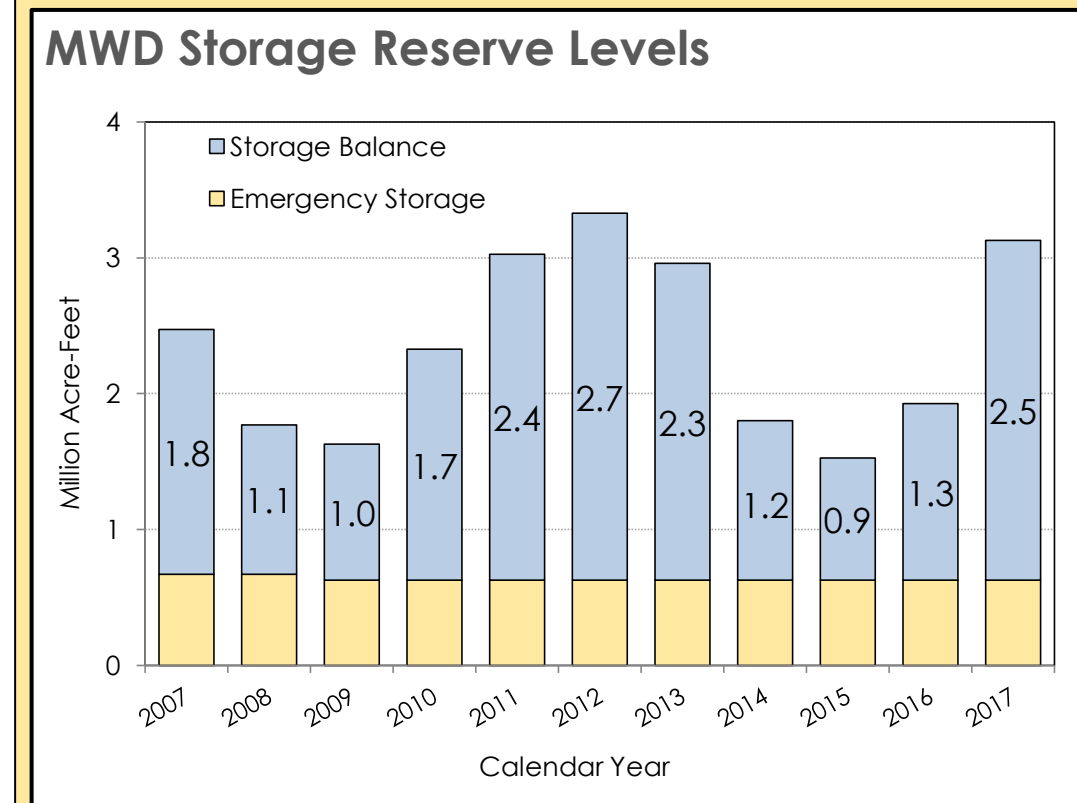
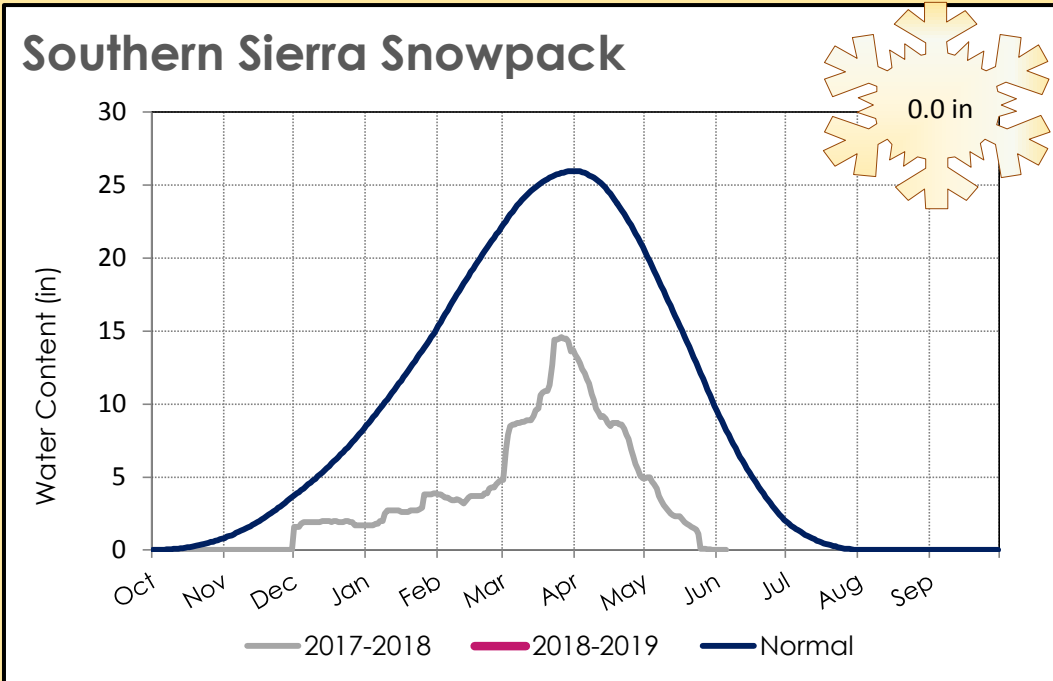
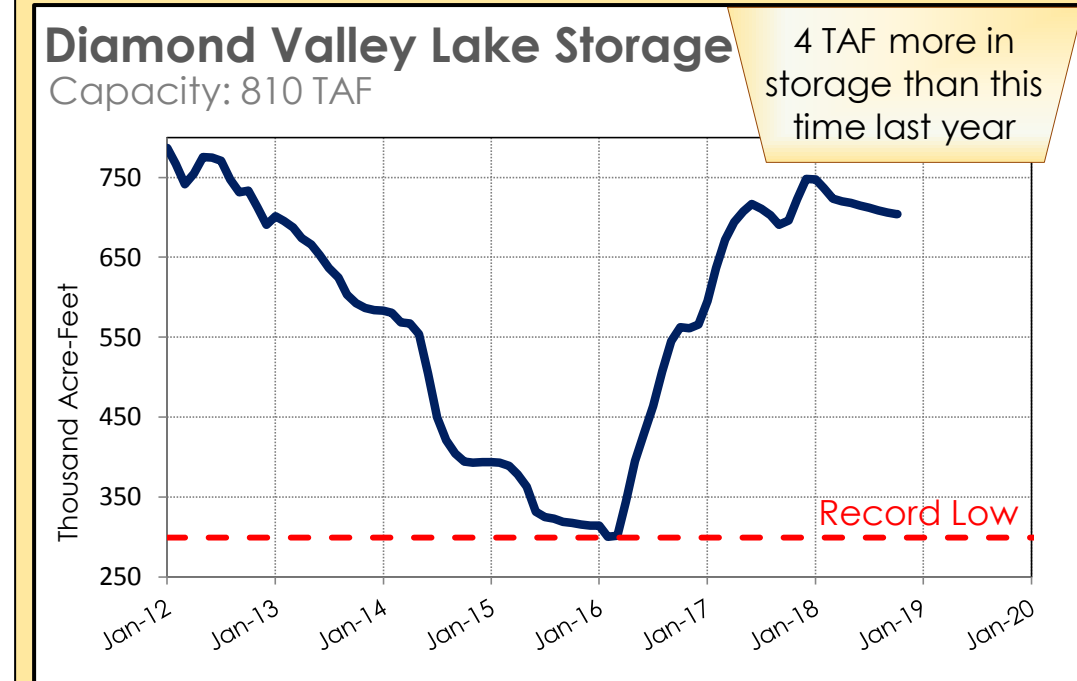
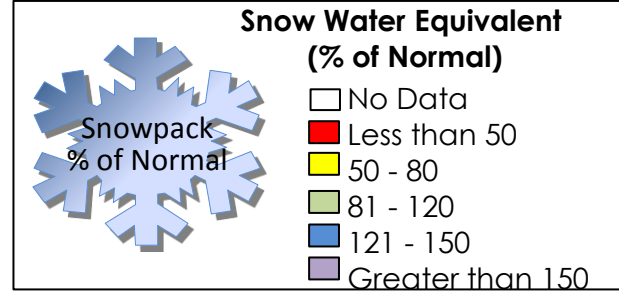
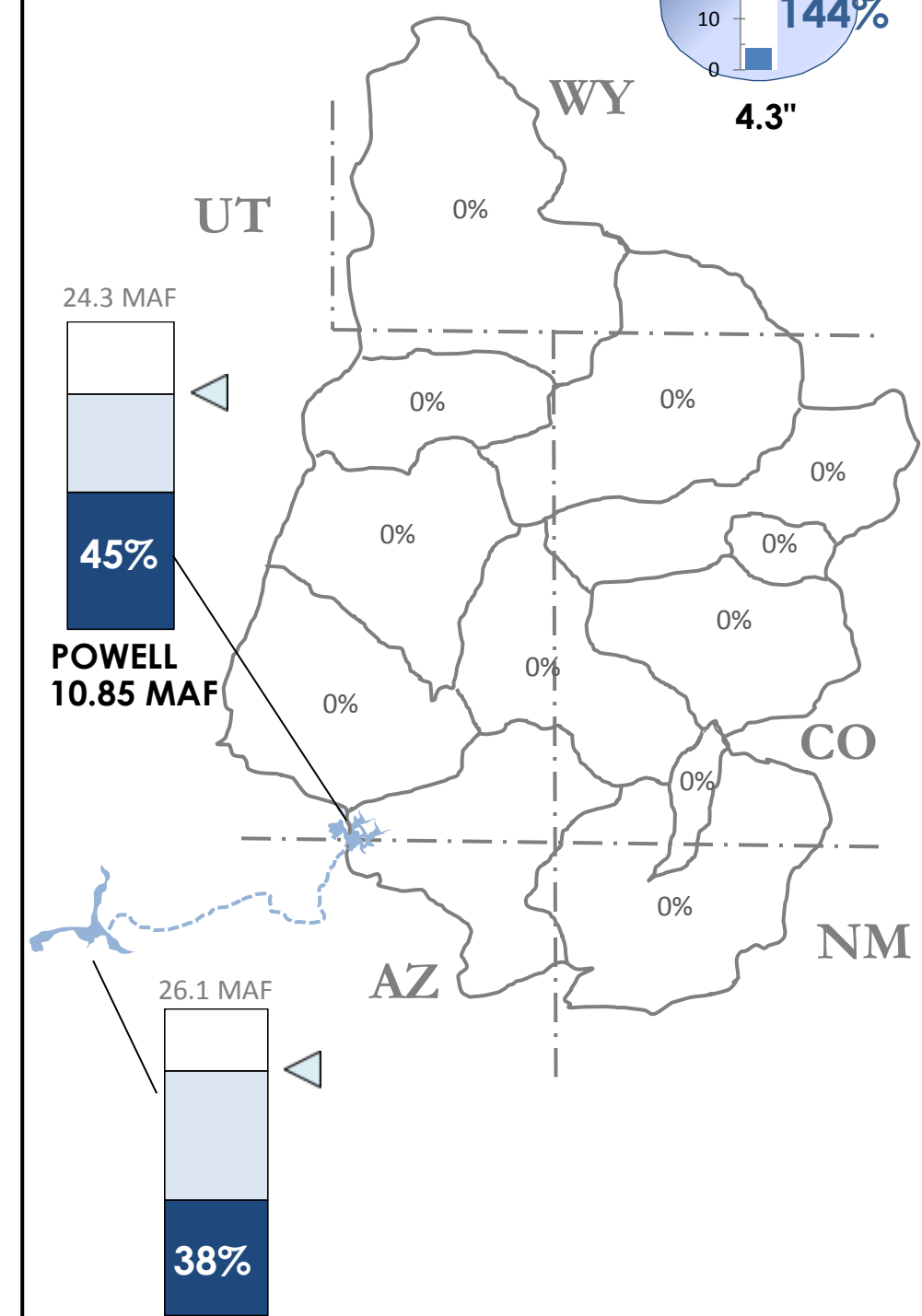
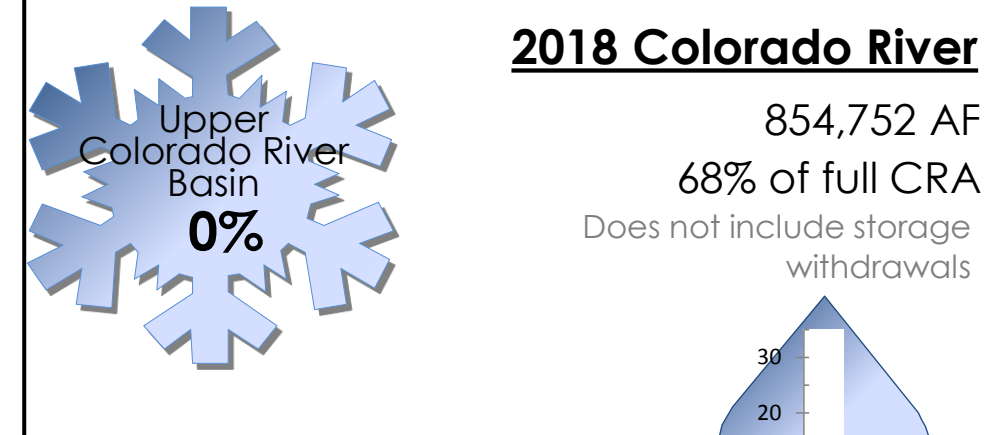
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow

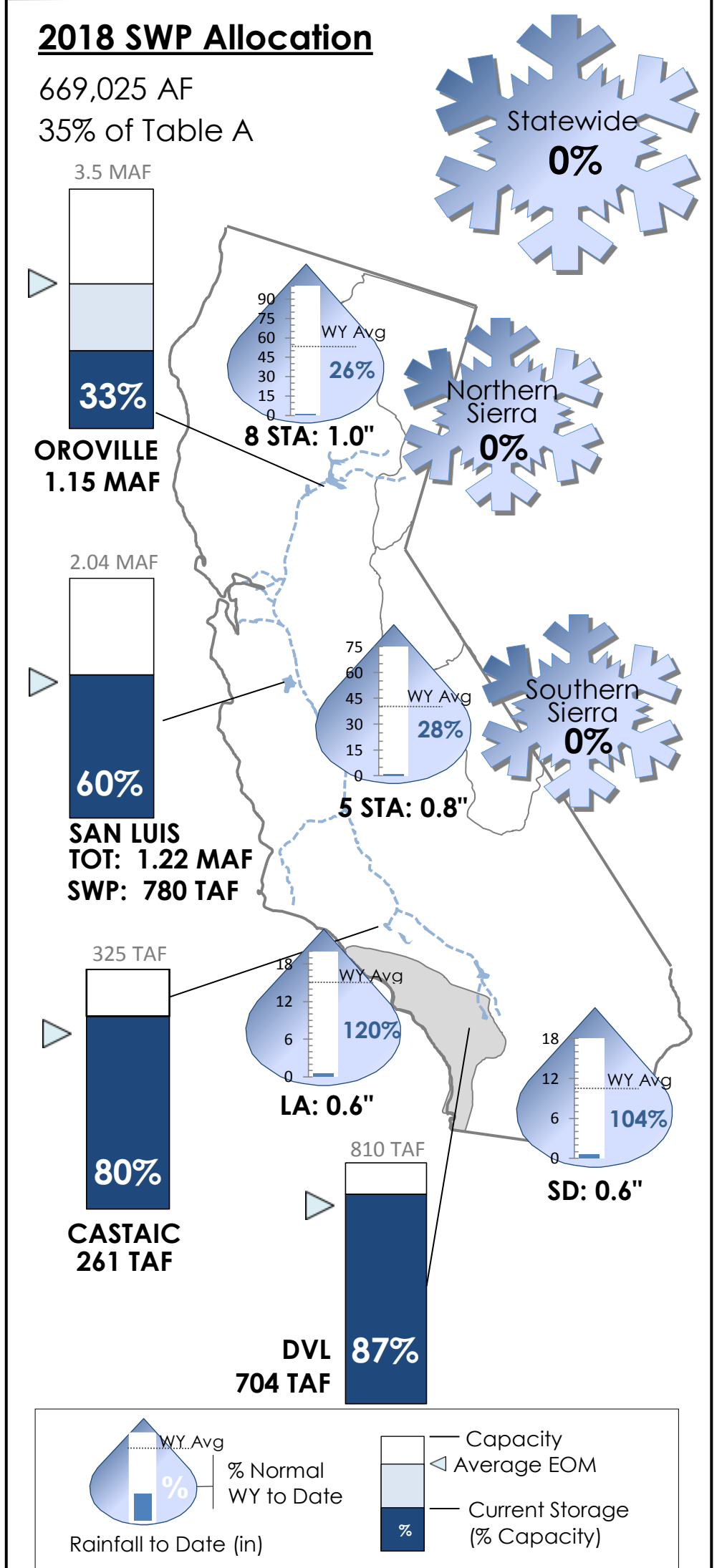


## Lake Mead Storage





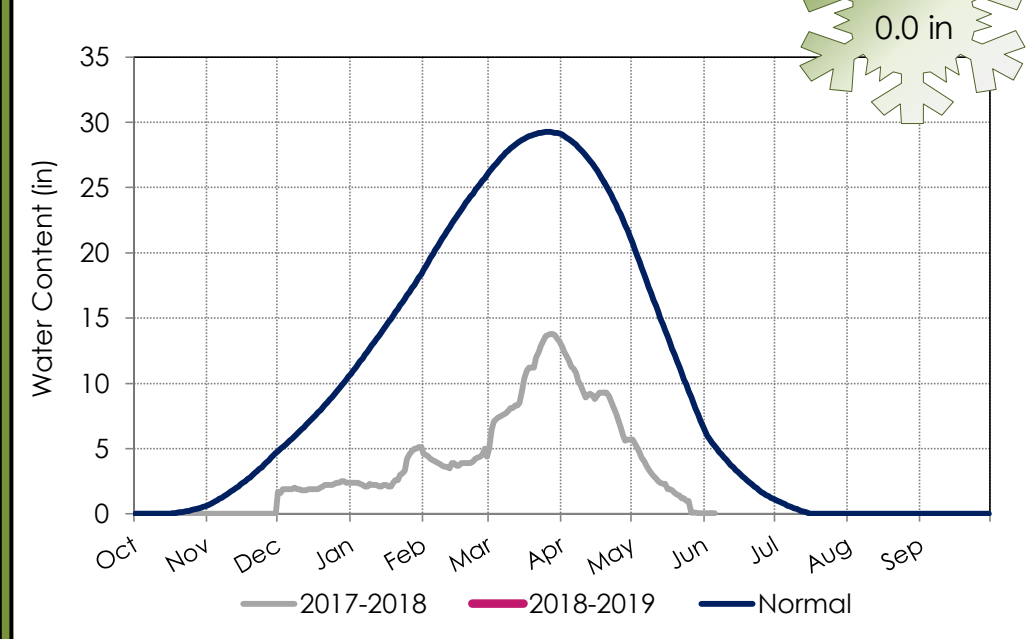
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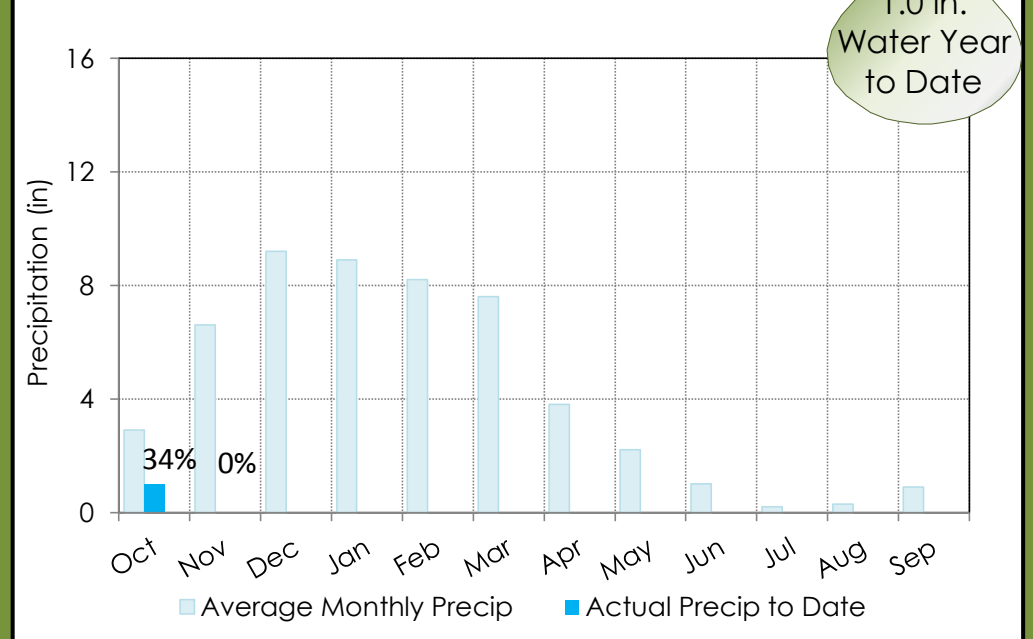
As of: 11/04/2018

# State Water Project Resources

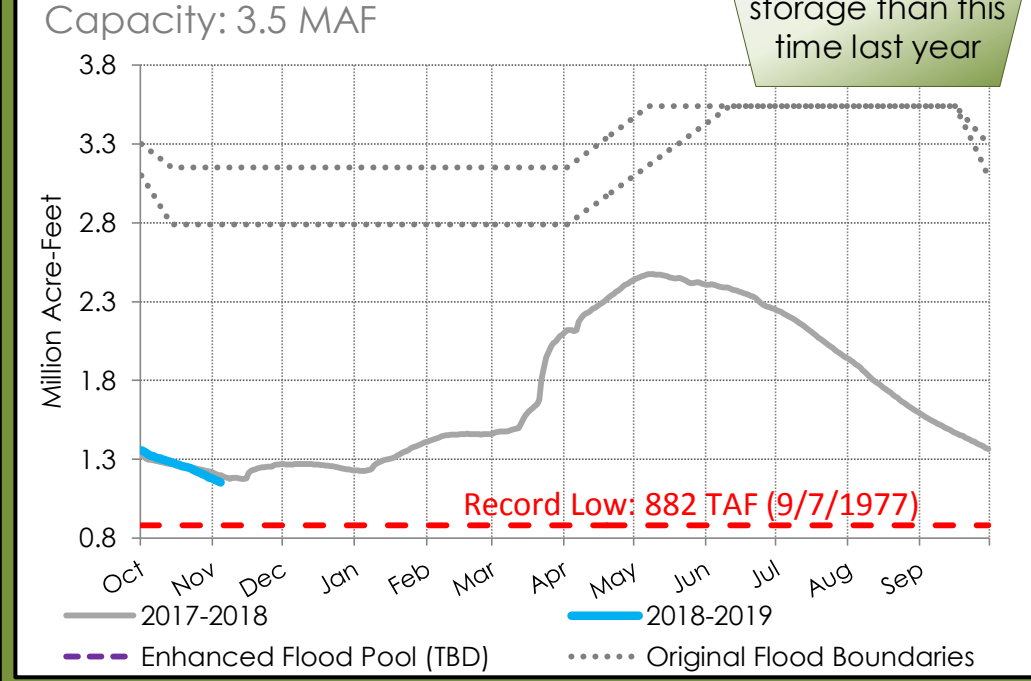
## Northern Sierra Snowpack



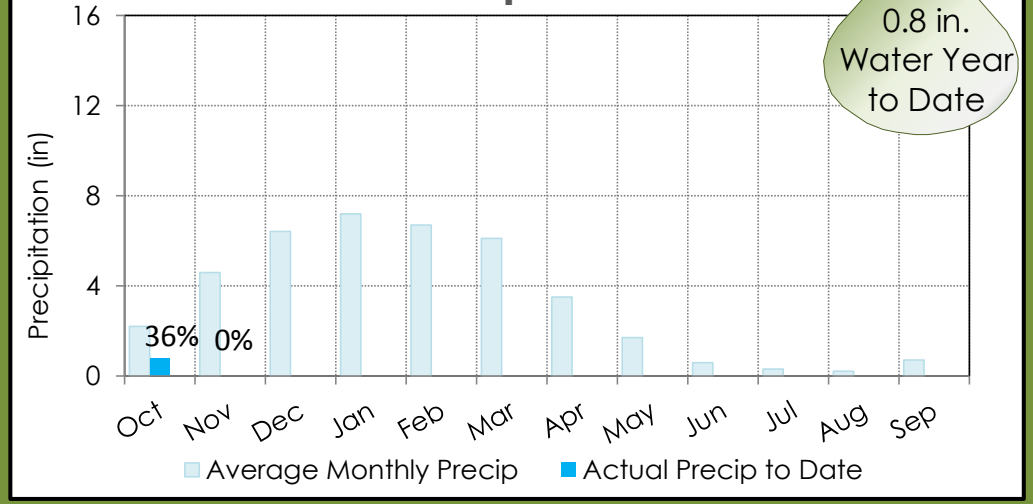
## 8 Station Index Precip



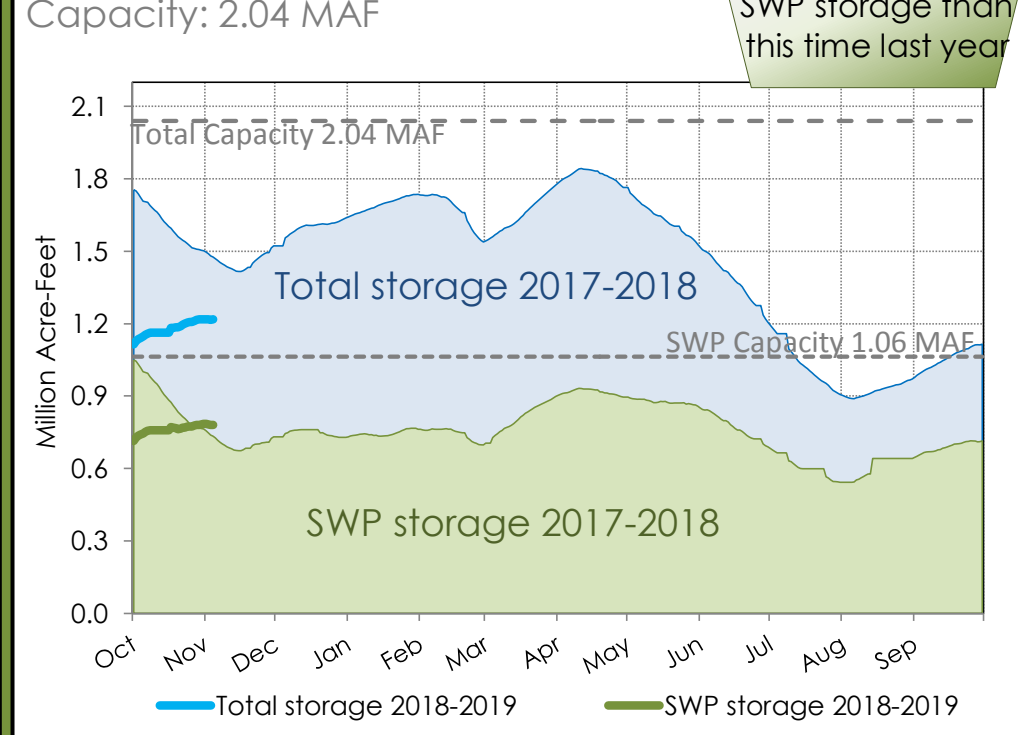
## Oroville Reservoir Storage



## 5 Station Index Precip



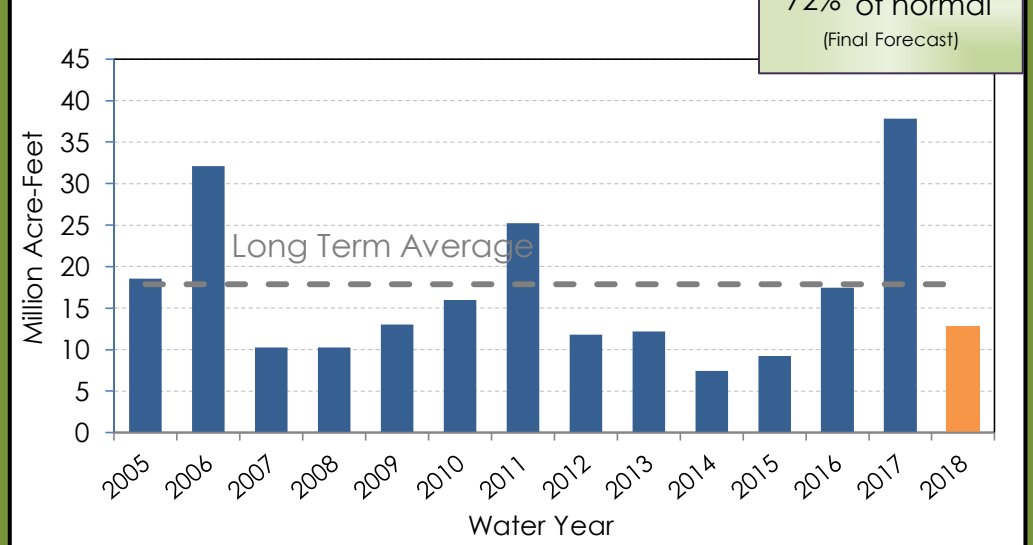
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

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Pool A/B (Purchased)	0
Carryover Supplies	297,000

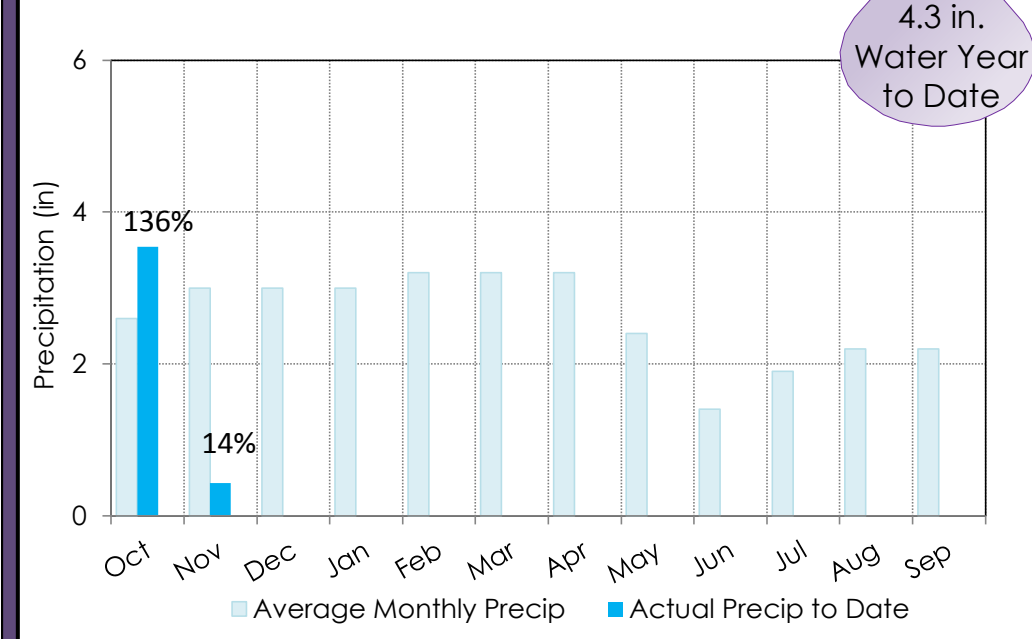
## Sacramento River Runoff



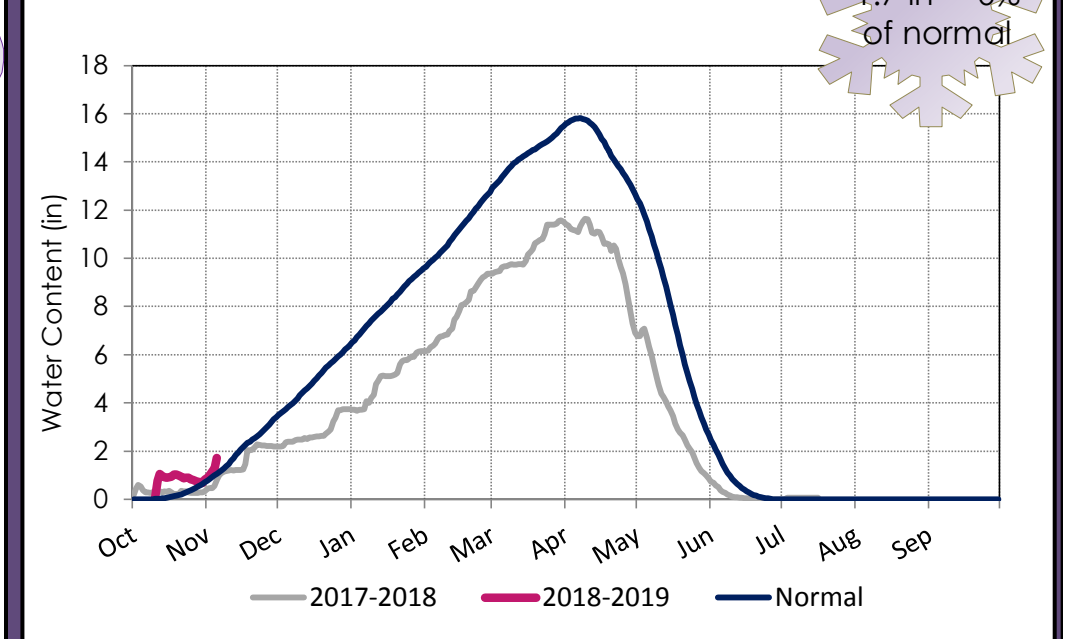
# Colorado River Resources

As of: 11/04/2018

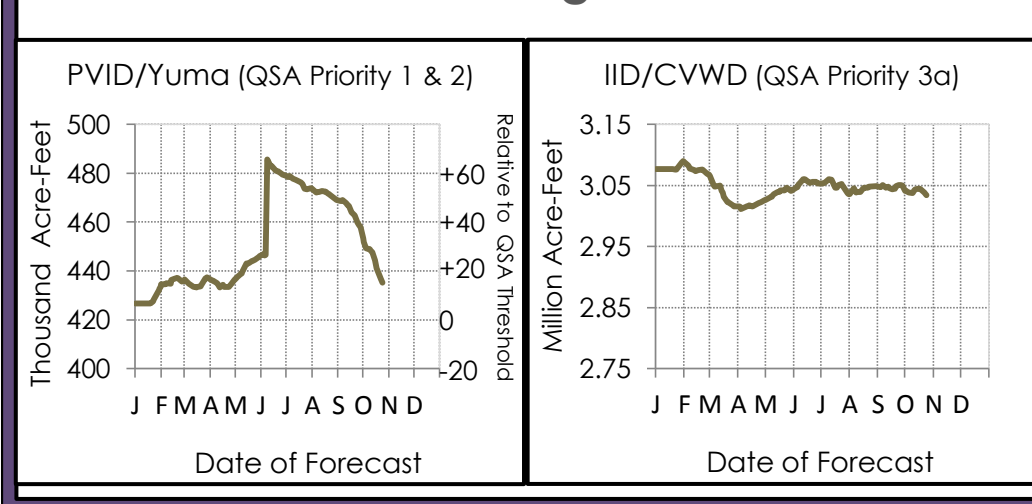
## Upper Colorado Basin Precip



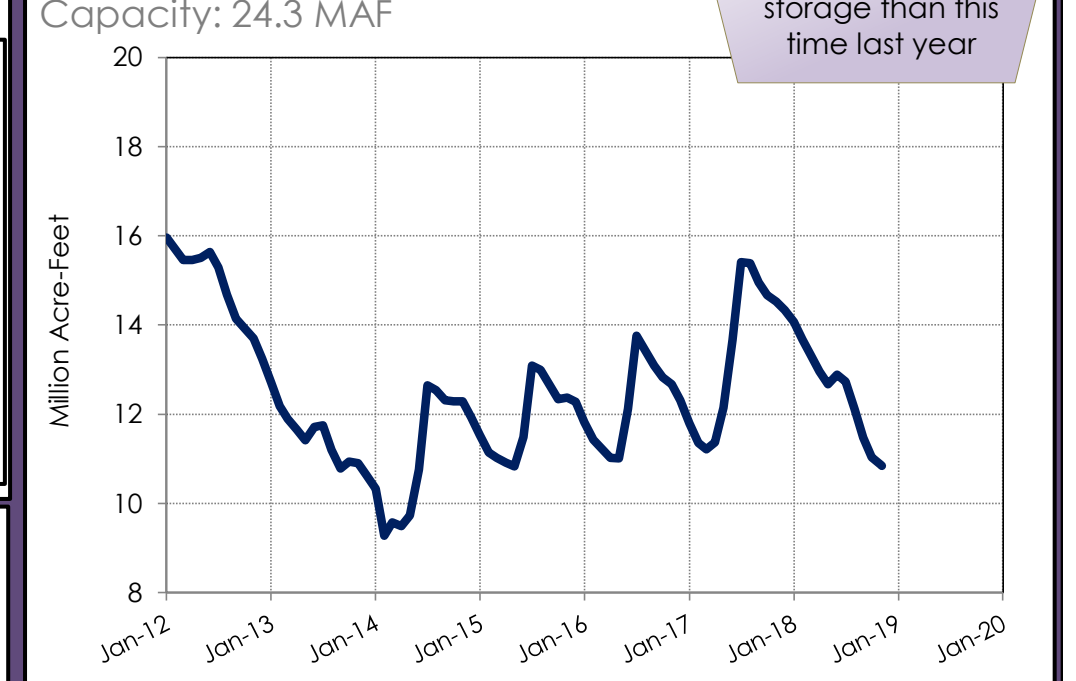
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

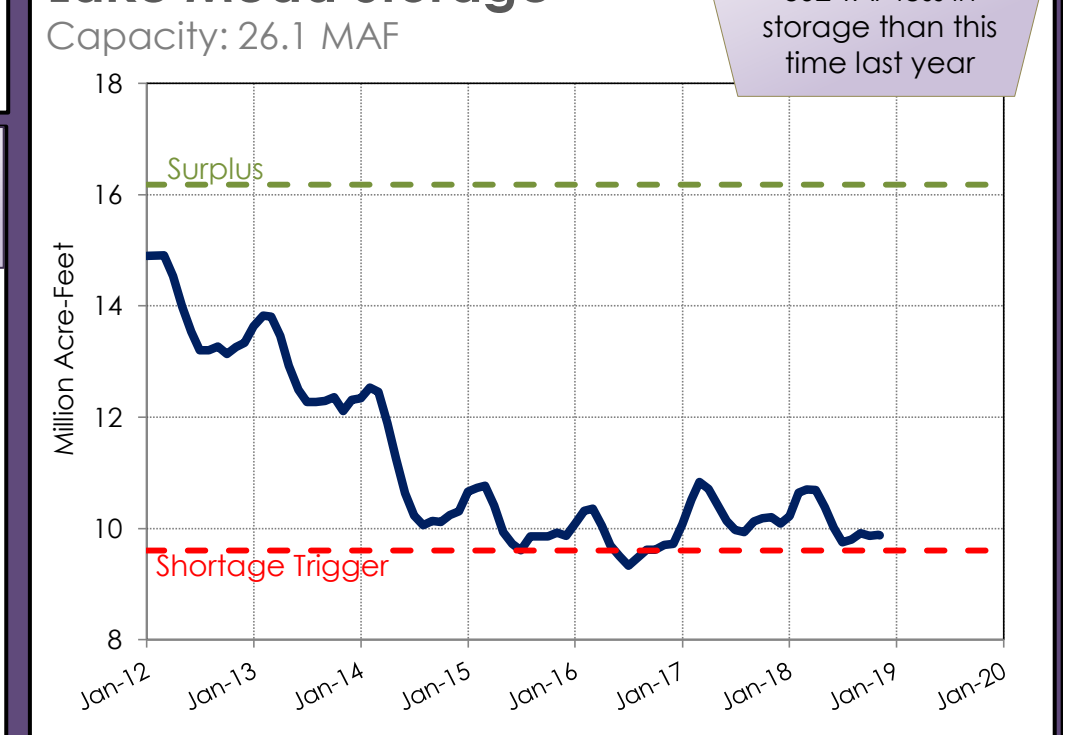


## Lake Mead Shortage/Surplus Outlook

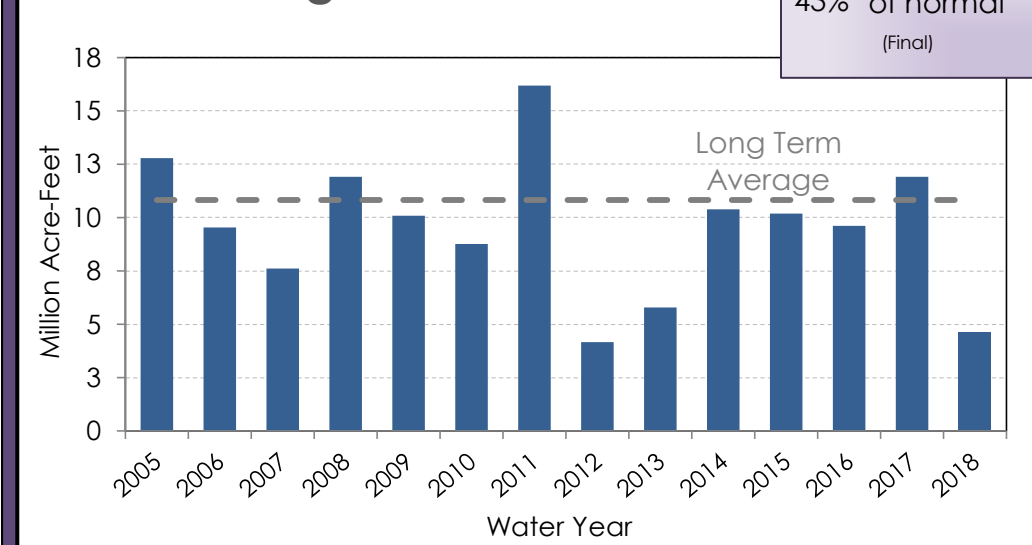
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
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Likelihood based on results from the August 2018 CRSS model run.

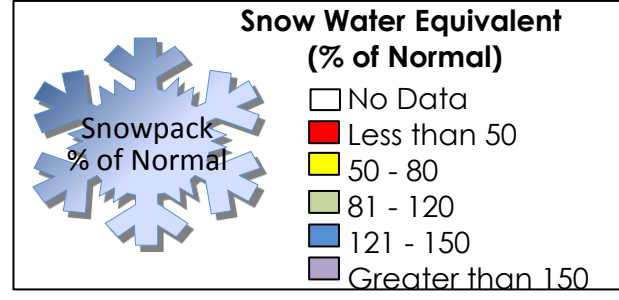
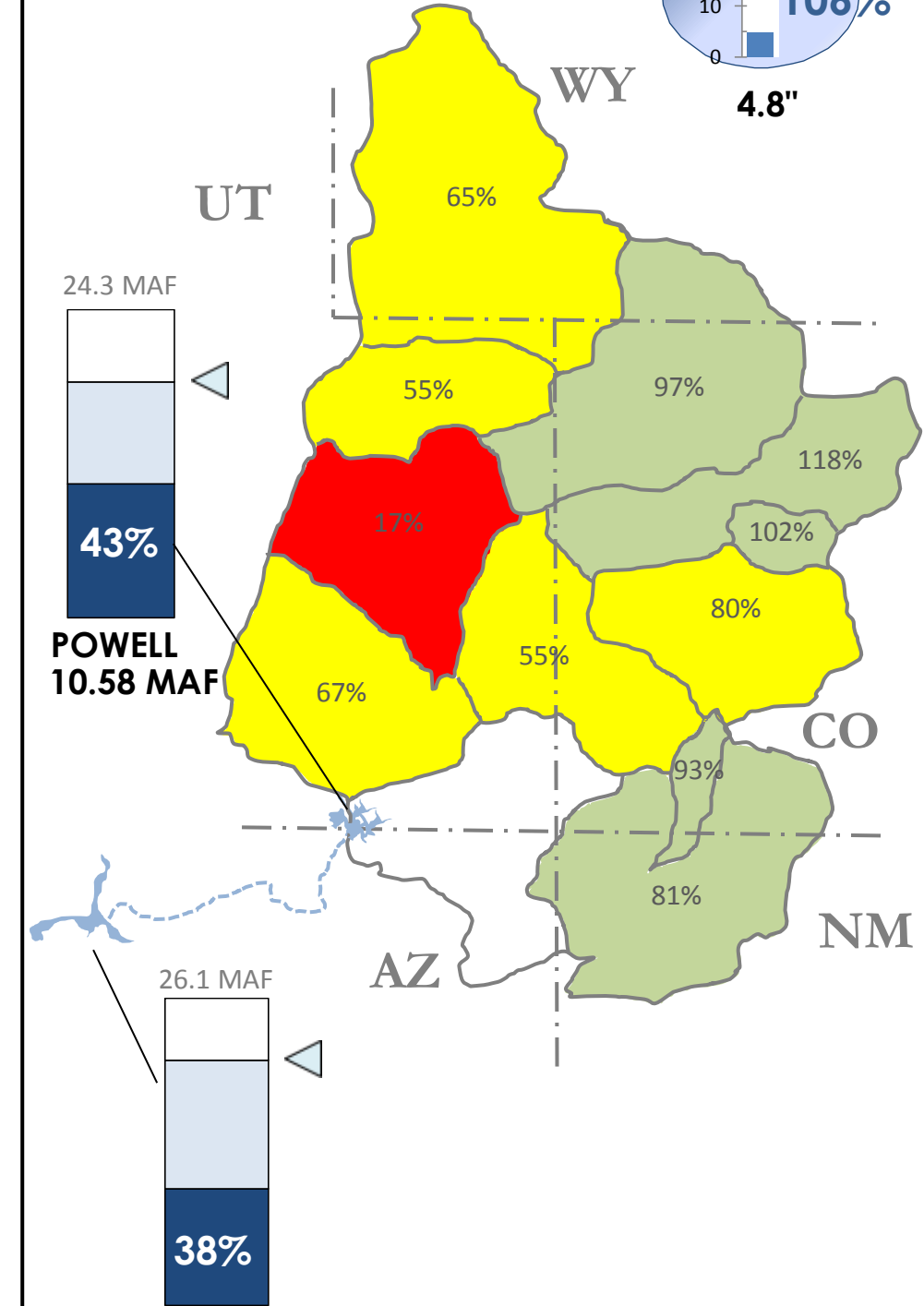
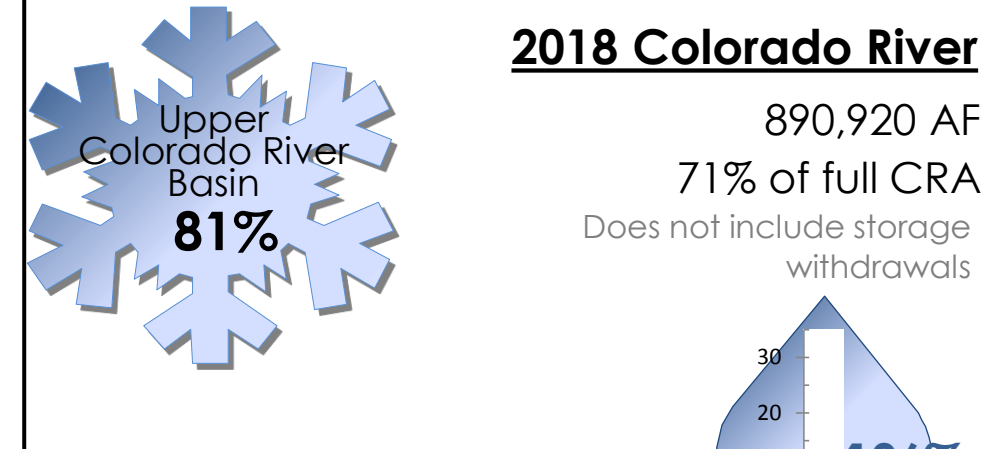
## Lake Mead Storage



## Powell Unregulated Inflow

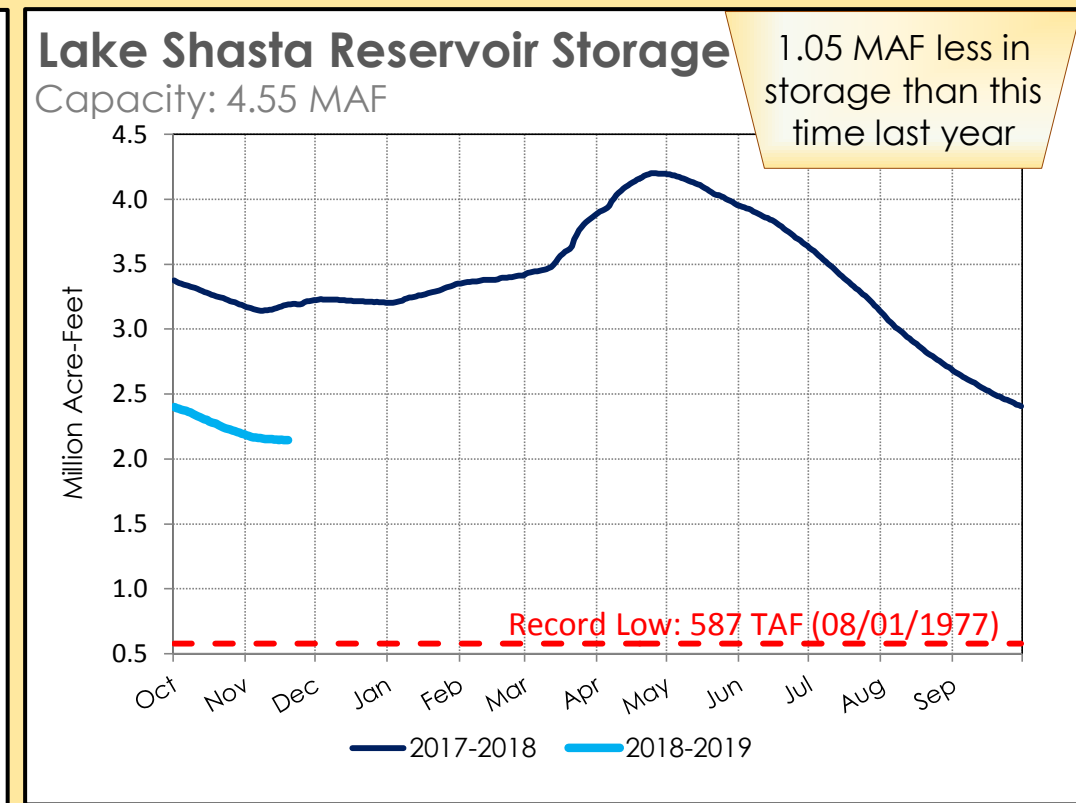
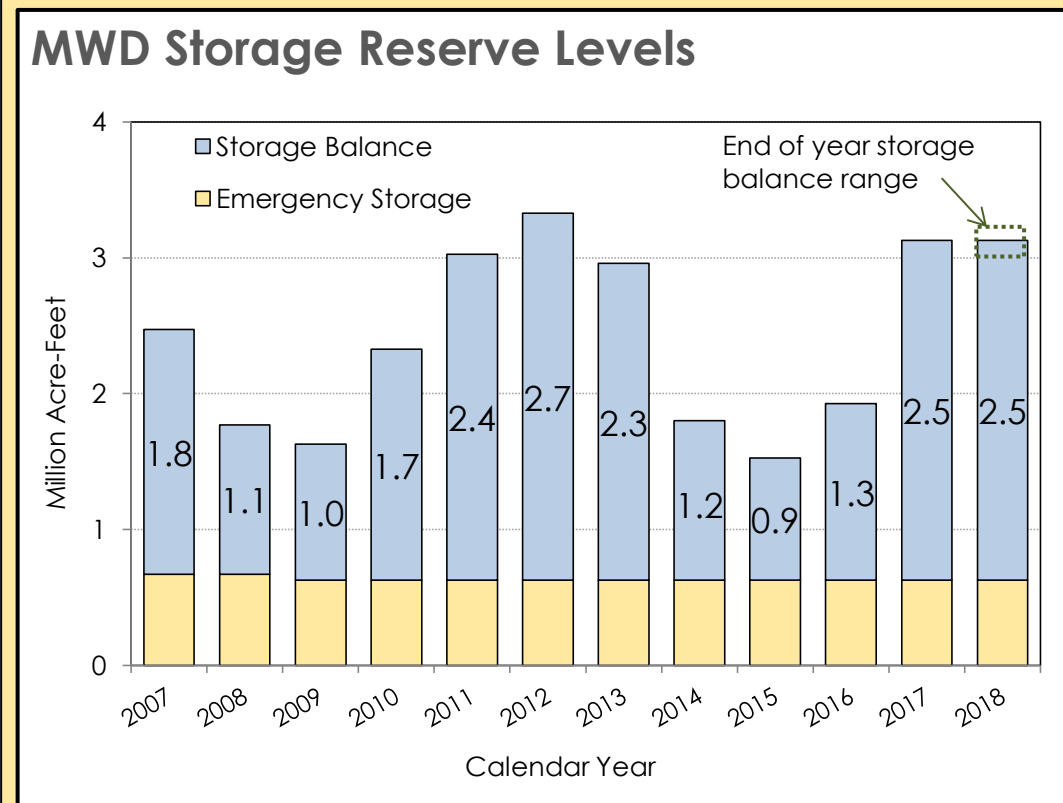
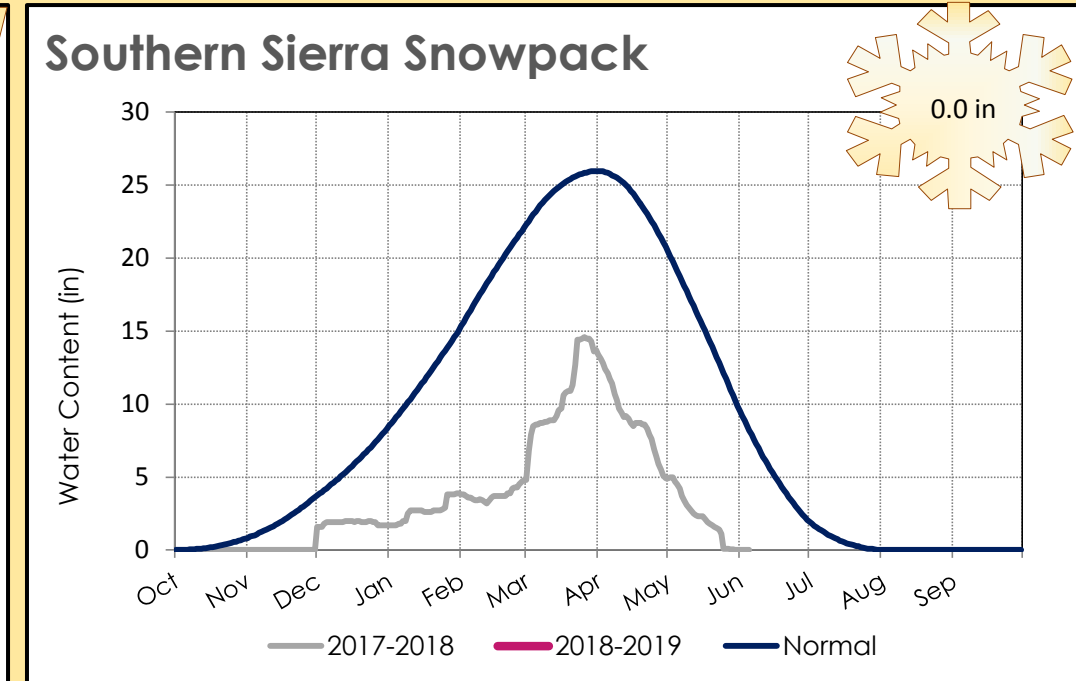
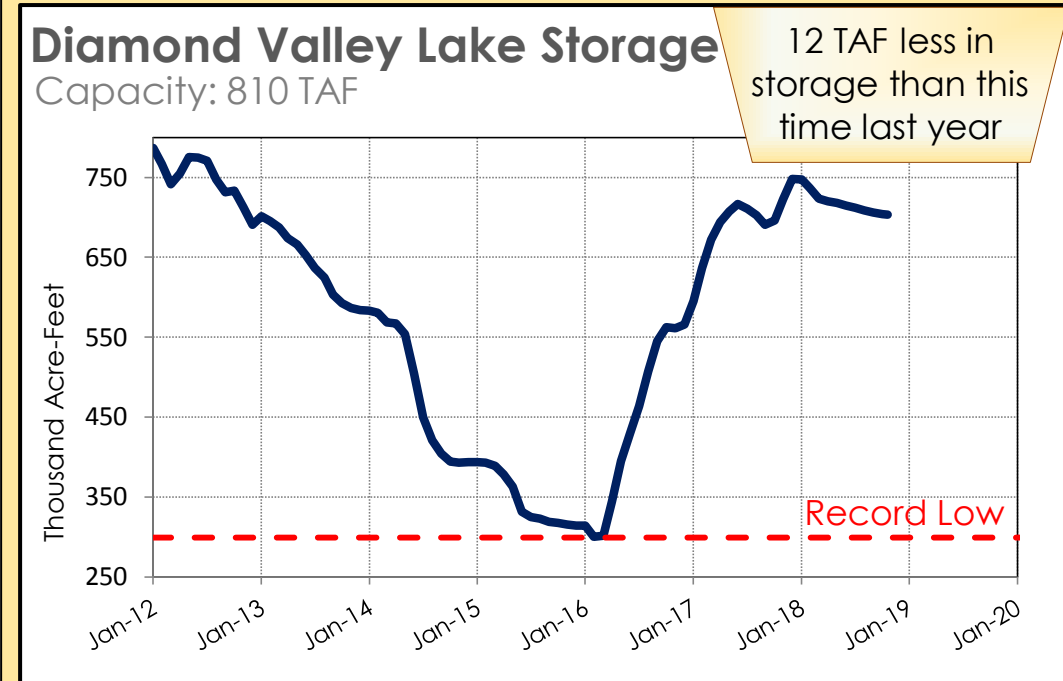






### Highlights

- No snow recorded at the Sierra stations
- Precipitation in the Northern Sierra is 5th driest on record
- Snow in the Upper Colorado River Basin at 81% of normal
- Precipitation in the Upper Colorado River Basin is at 106% of



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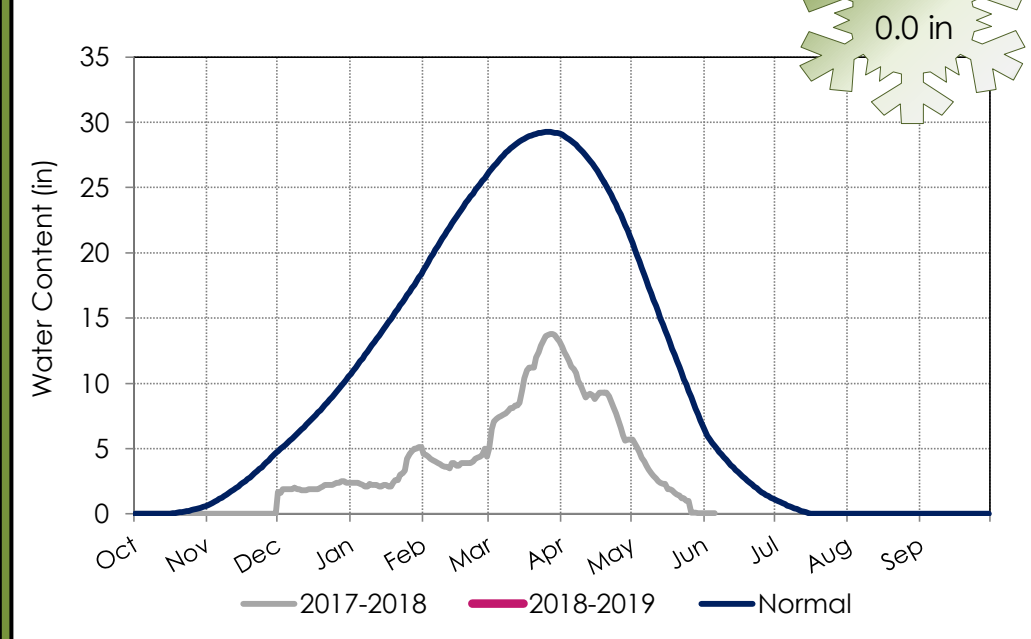
**2018 SWP Allocation**  
669,025 AF  
35% of Table A  
Statewide **0%**

**Legend:**  
Rainfall to Date (in) | WY Avg | % Normal WY to Date  
Capacity | Average EOM | Current Storage (% Capacity)

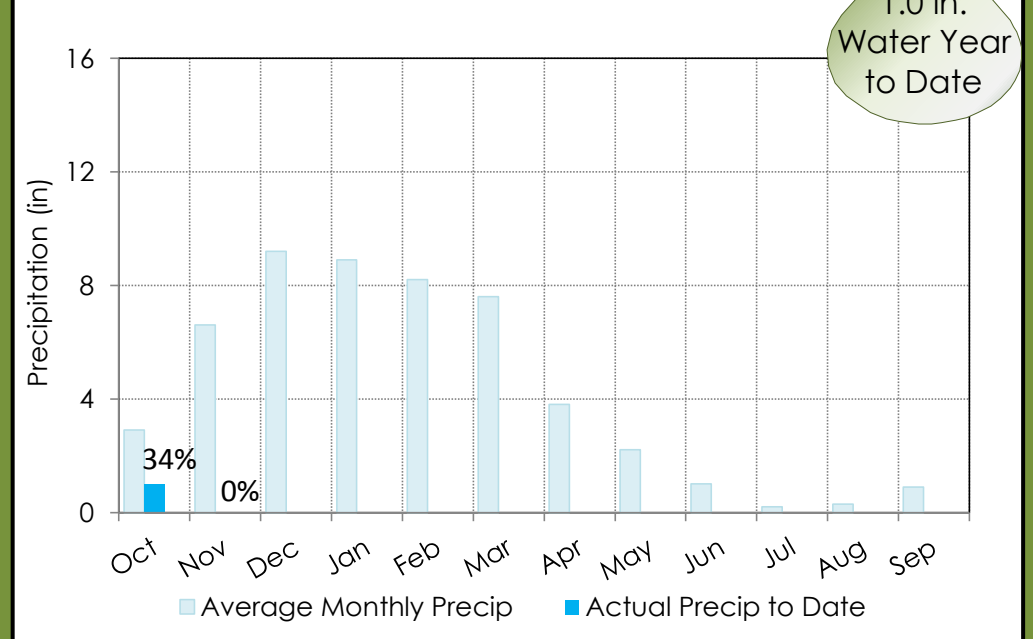
As of: 11/19/2018

# State Water Project Resources

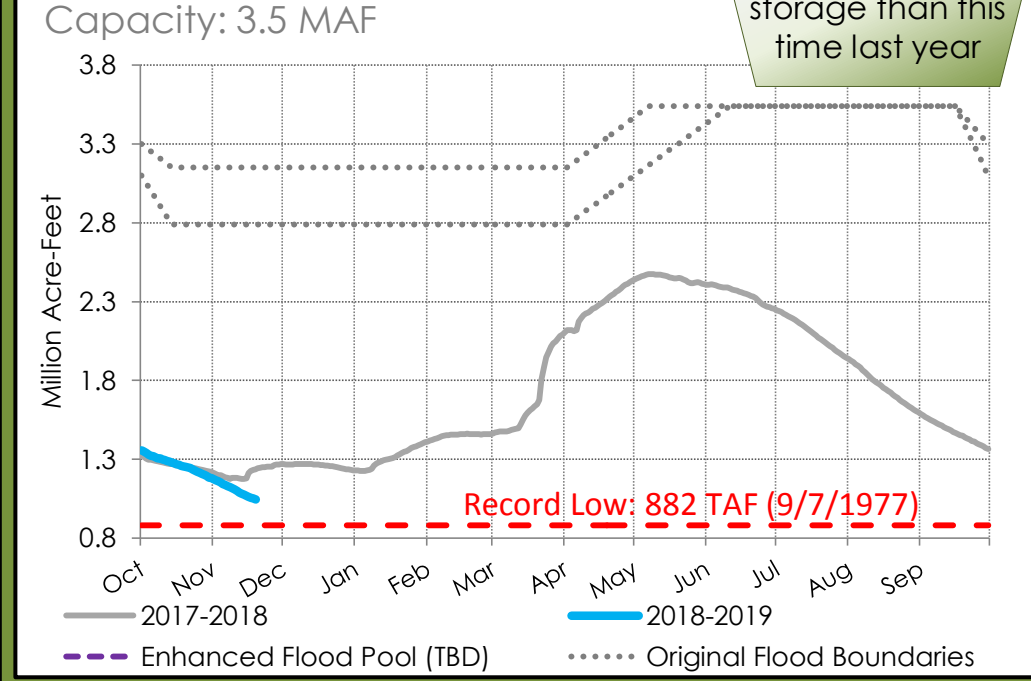
## Northern Sierra Snowpack



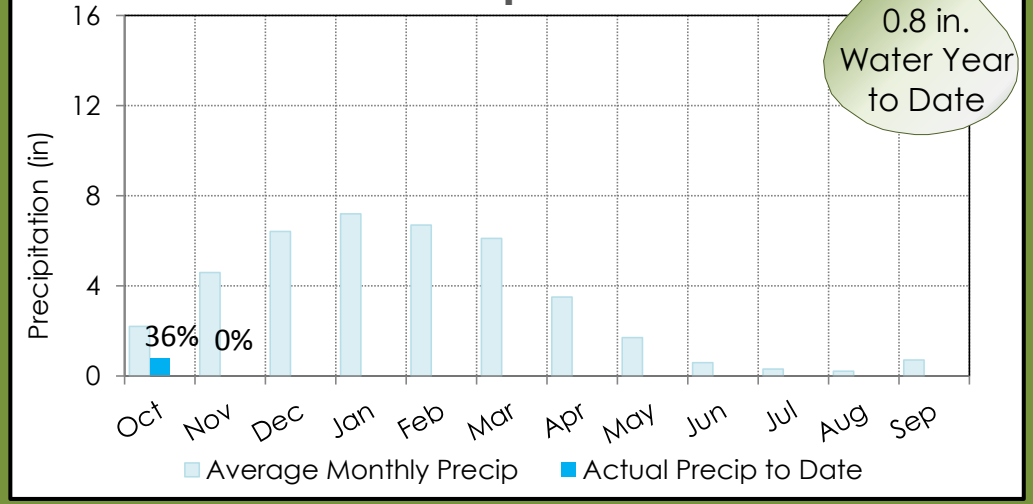
## 8 Station Index Precip



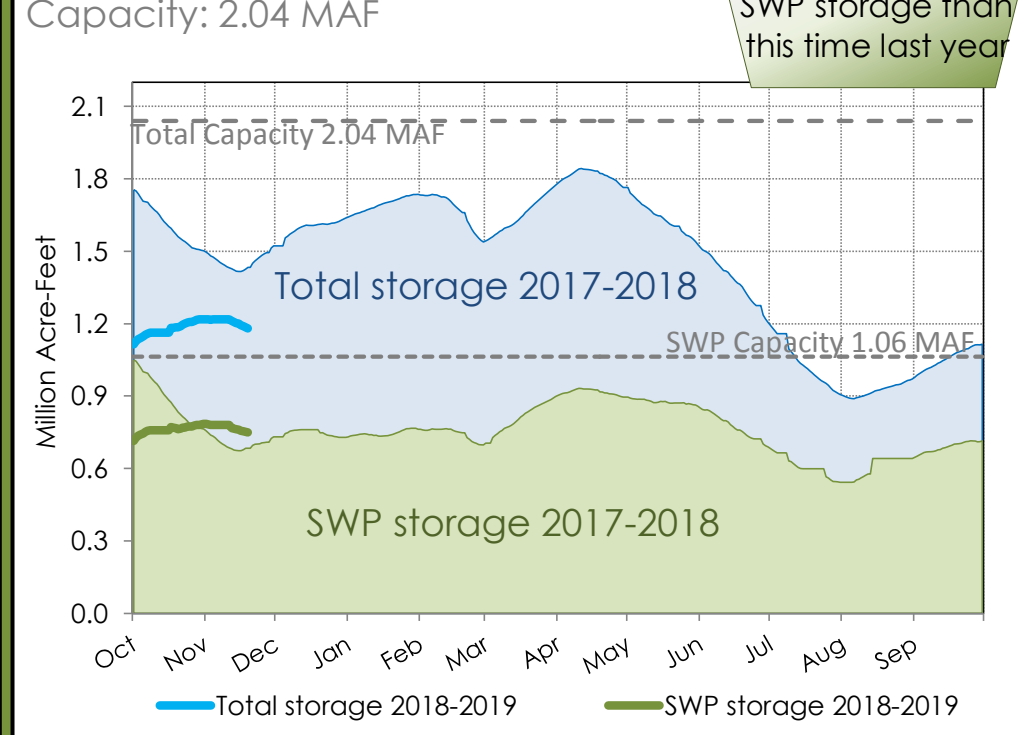
## Oroville Reservoir Storage



## 5 Station Index Precip



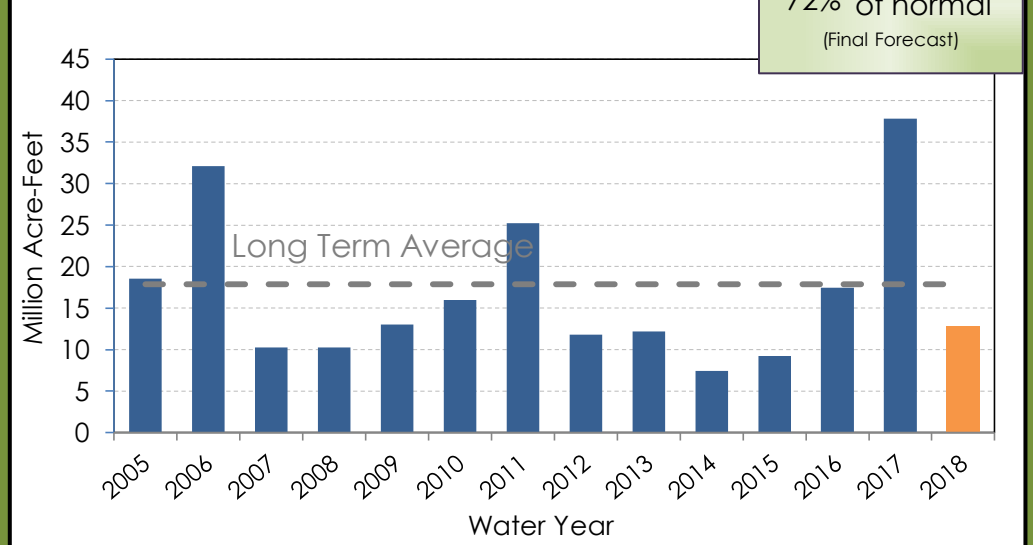
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

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Carryover Supplies	297,000

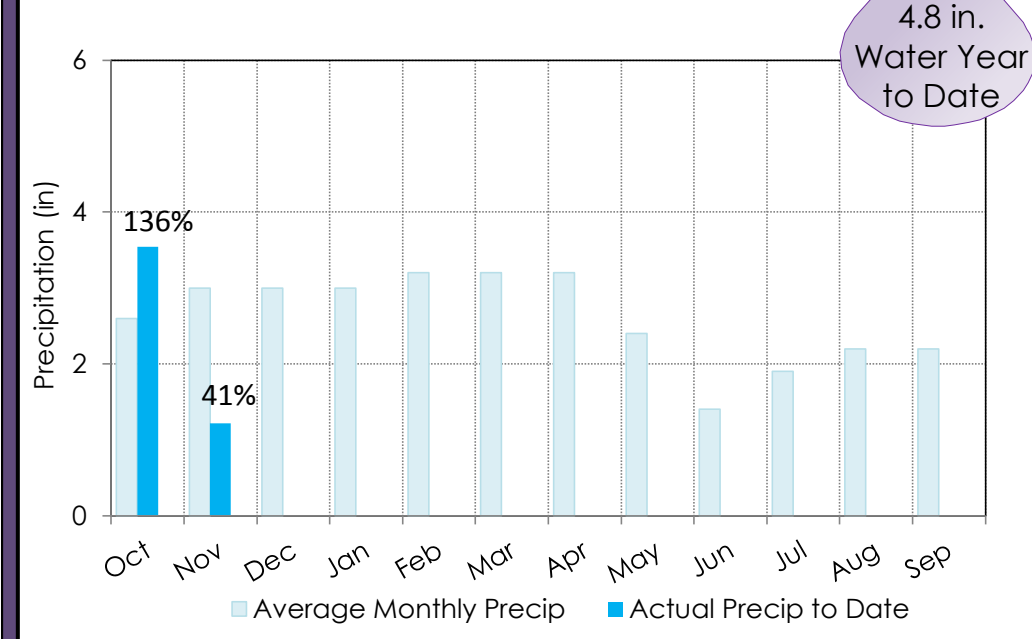
## Sacramento River Runoff



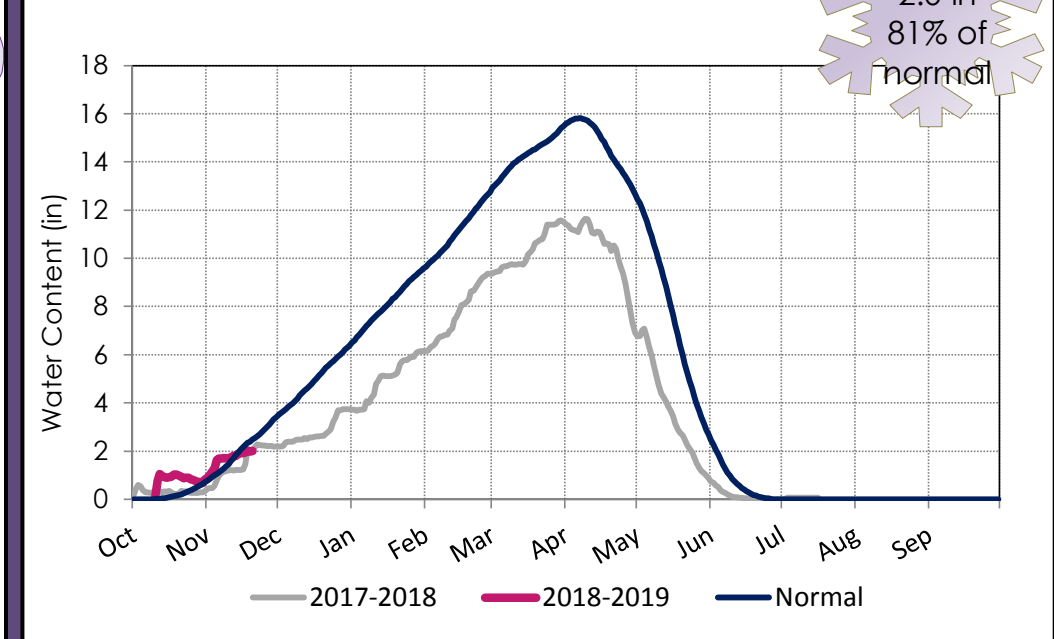
# Colorado River Resources

As of: 11/19/2018

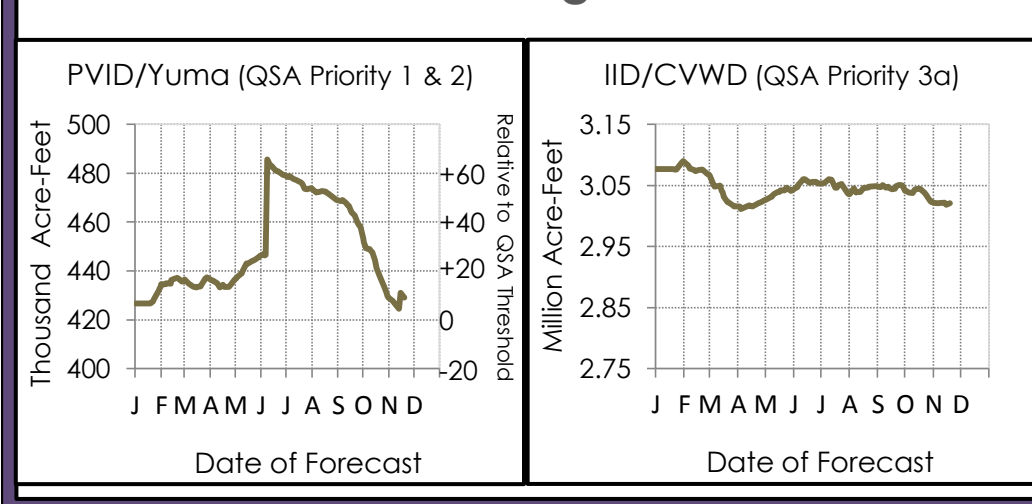
## Upper Colorado Basin Precip



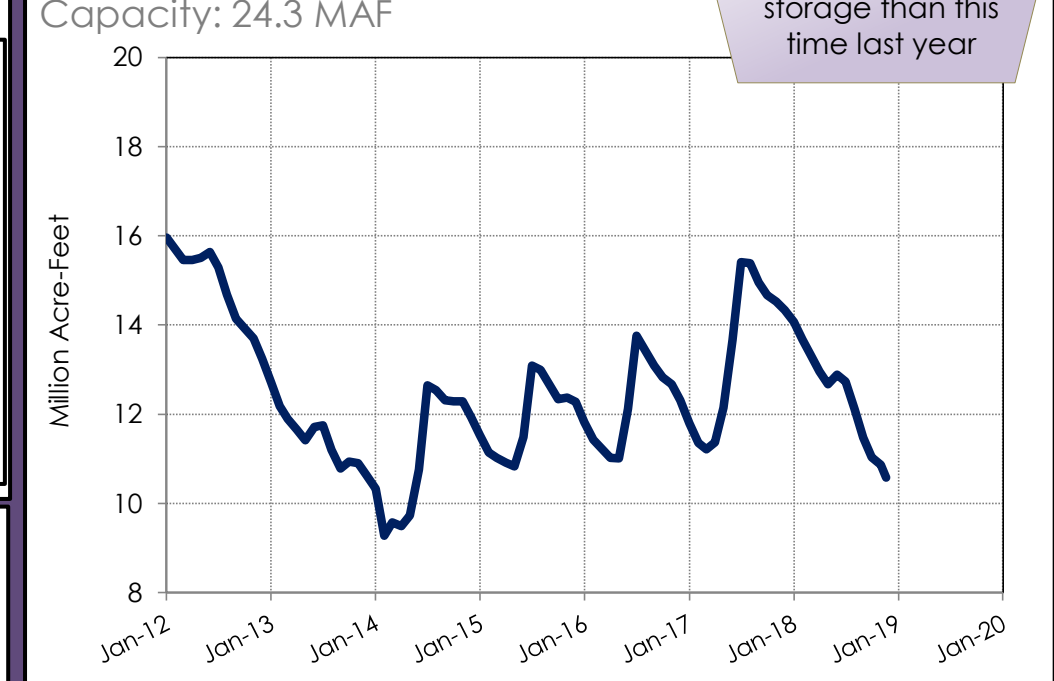
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

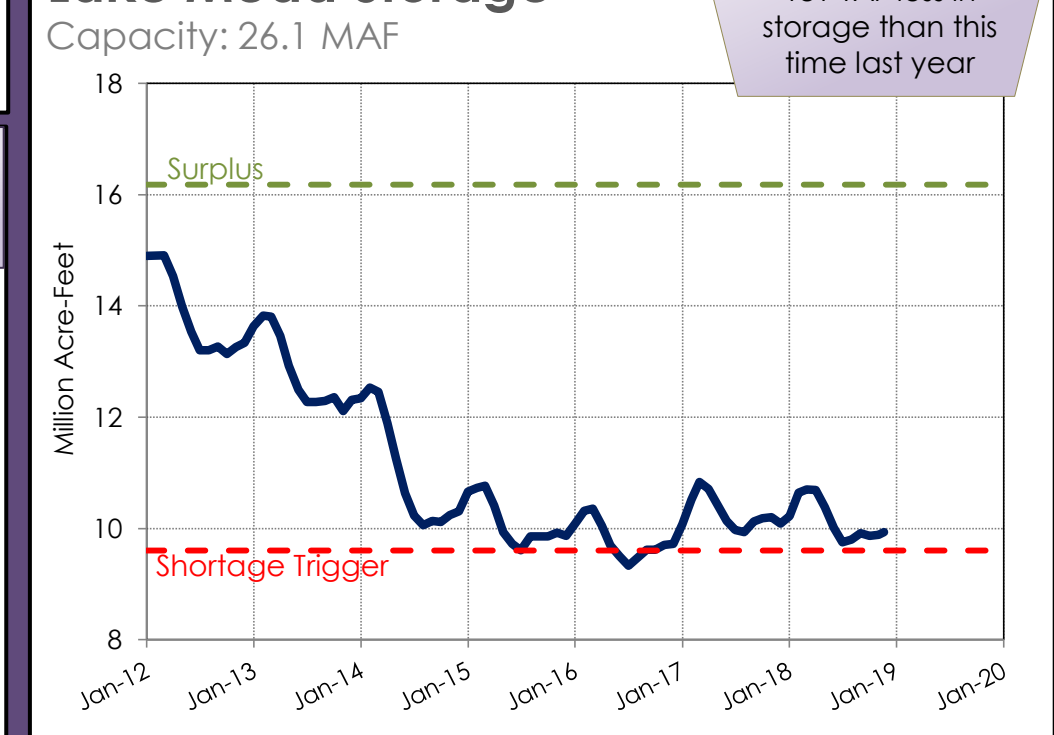


## Lake Mead Shortage/Surplus Outlook

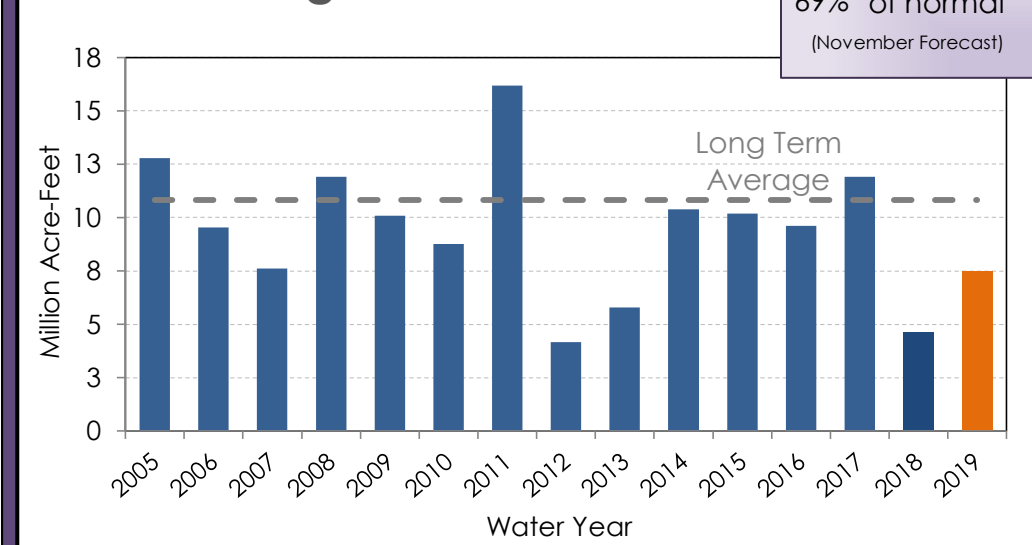
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

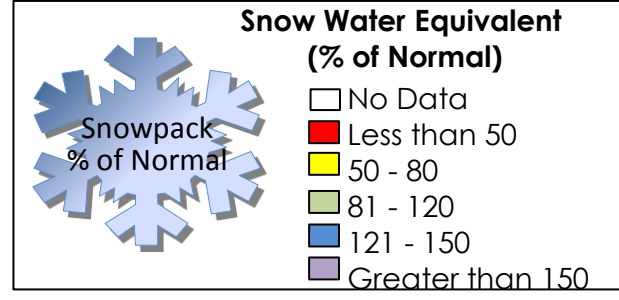
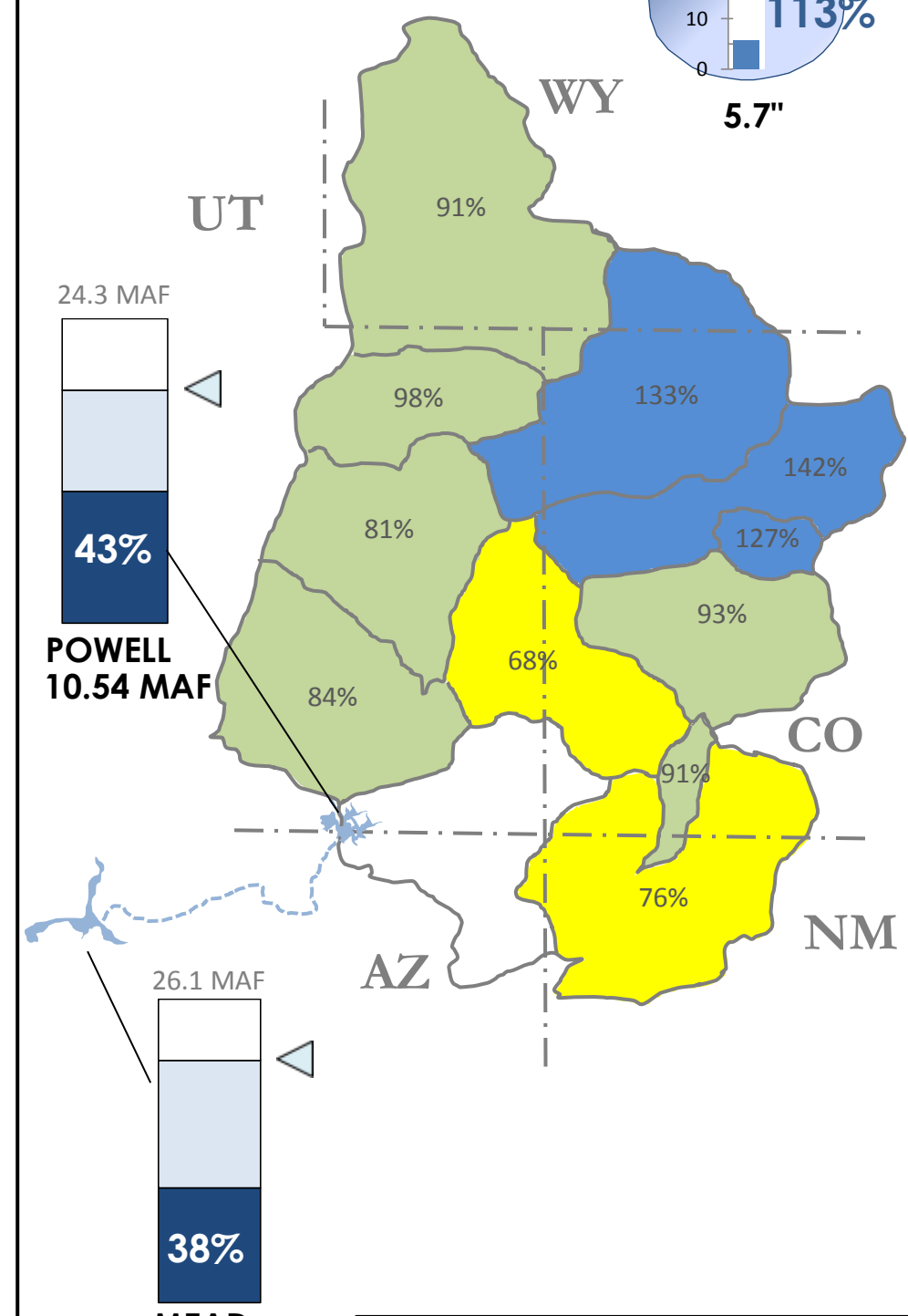
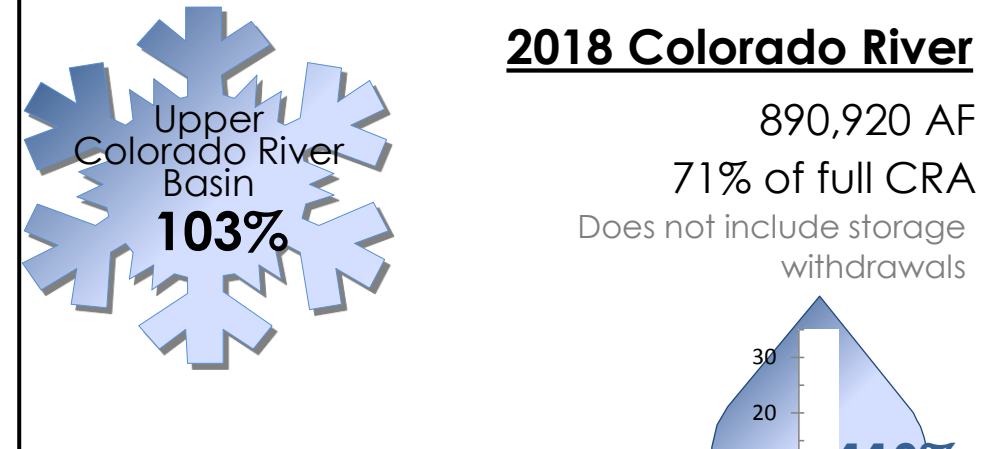
Likelihood based on results from the August 2018 CRSS model run.

## Lake Mead Storage



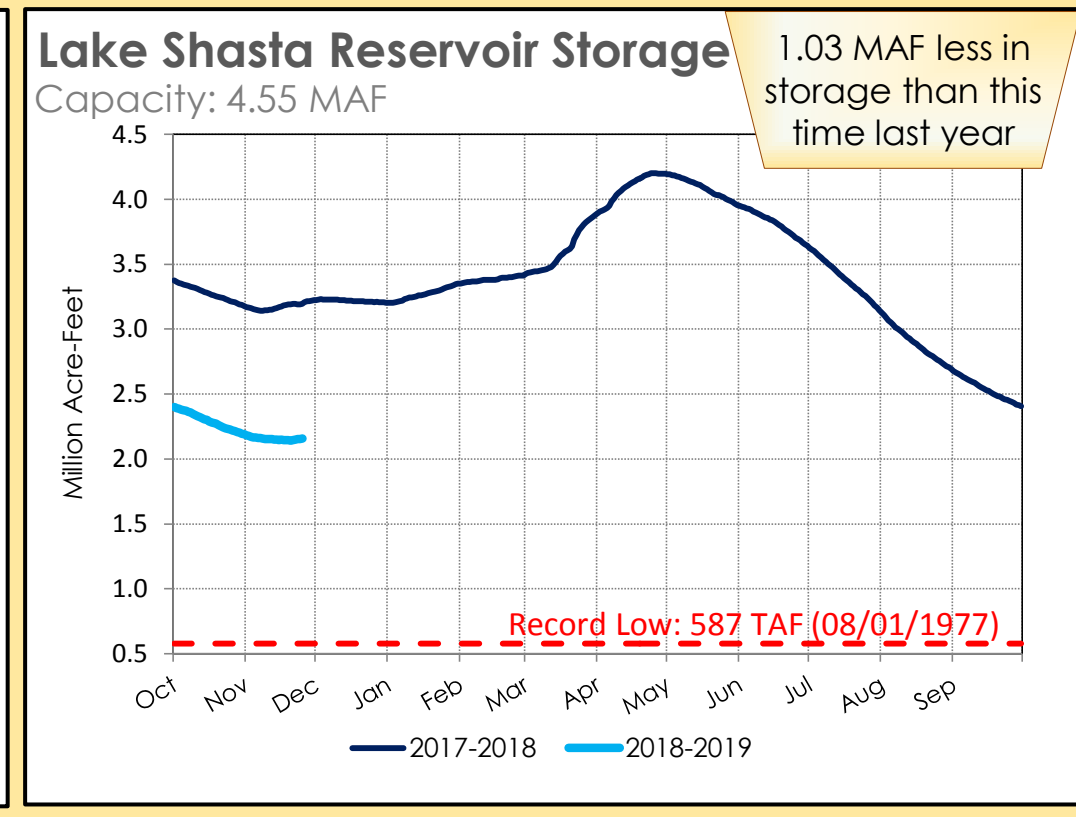
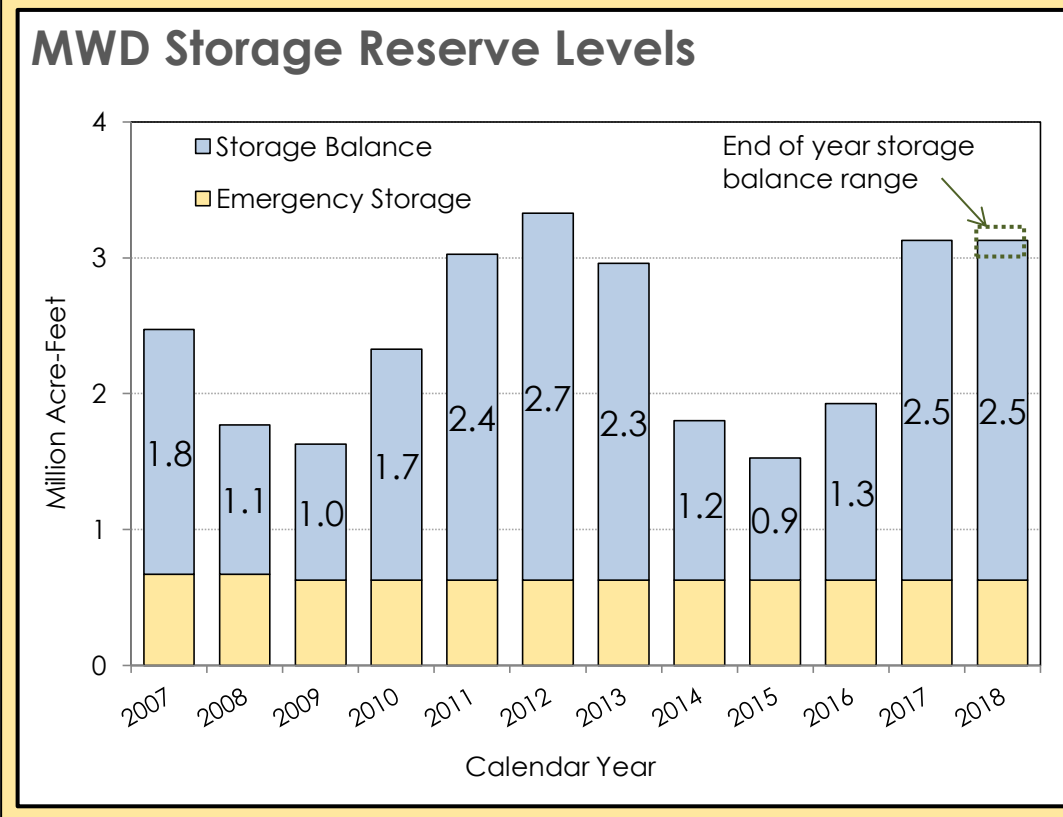
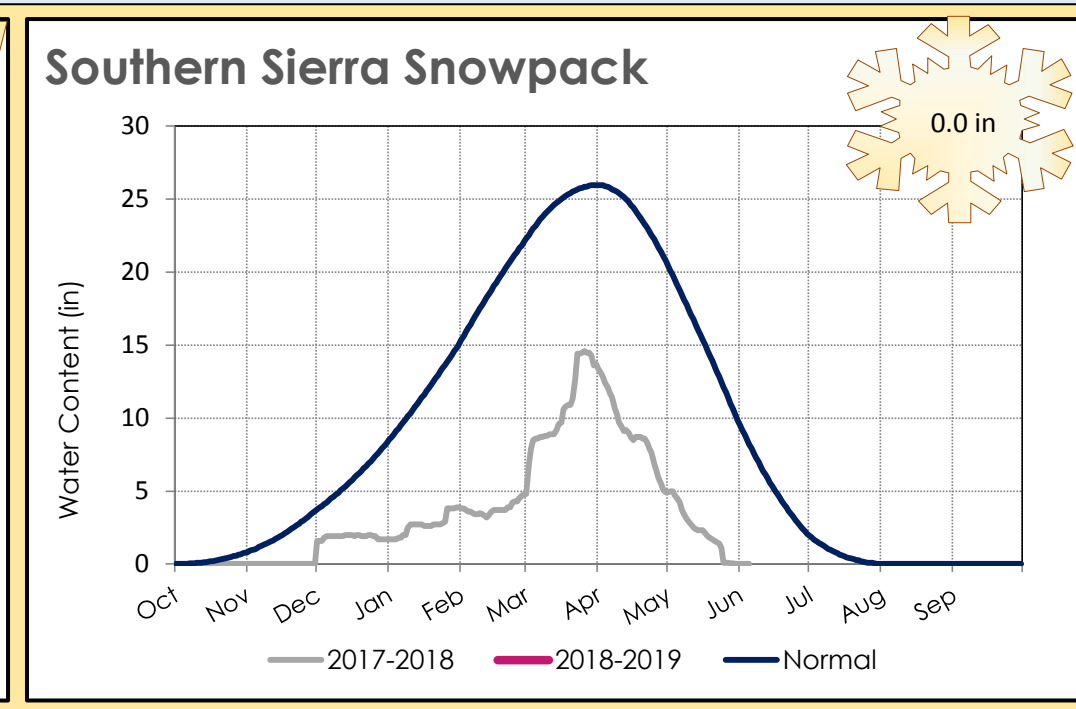
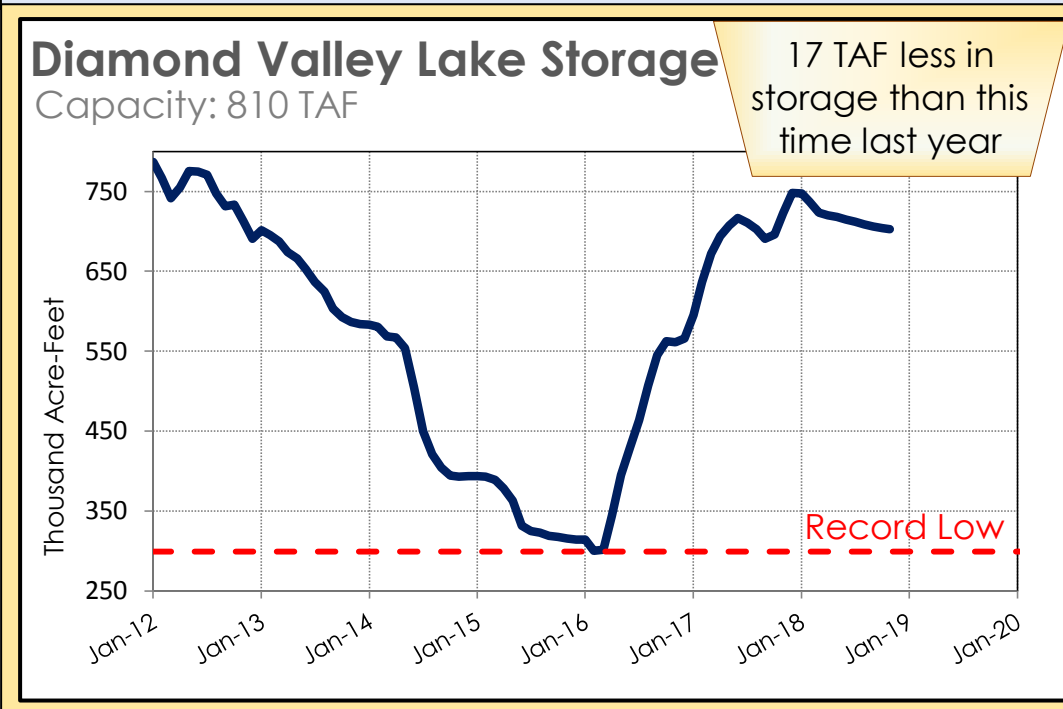
## Powell Unregulated Inflow





### Highlights

- No snow recorded at the Sierra stations
- Precipitation in the Northern Sierra is at 61% of normal
- Snow in the Upper Colorado River Basin at 103% of normal
- Precipitation in the Upper Colorado River Basin is at 113% of normal



**2018 SWP Allocation**  
669,025 AF  
35% of Table A

Statewide **0%**

**OROVILLE** 1.04 MAF  
29%  
8 STA: 5.1"  
61%  
Northern Sierra **0%**

**SAN LUIS TOT: 1.18 MAF**  
SWP: 750 TAF  
58%  
5 STA: 4.1"  
68%  
Southern Sierra **0%**

**CASTAIC** 262 TAF  
80%  
LA: 1.1"  
88%  
LA: 1.1"  
SD: 0.6"  
45%

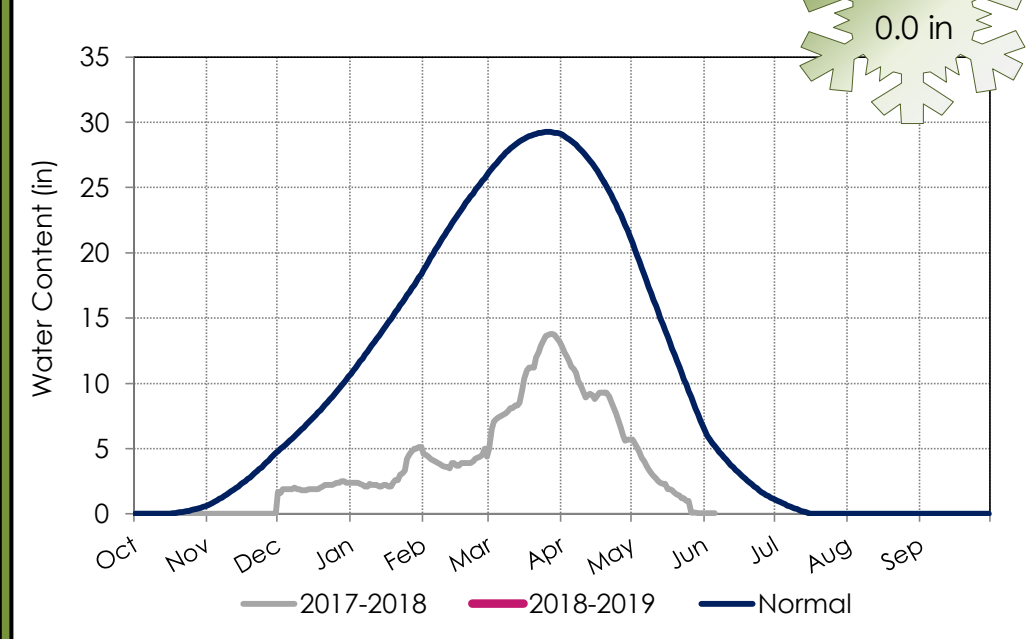
**DVL** 703 TAF  
87%  
810 TAF  
45%

**Legend:**  
Rainfall to Date (in) | WY Avg | % Normal WY to Date  
Capacity | Average EOM | Current Storage (% Capacity)

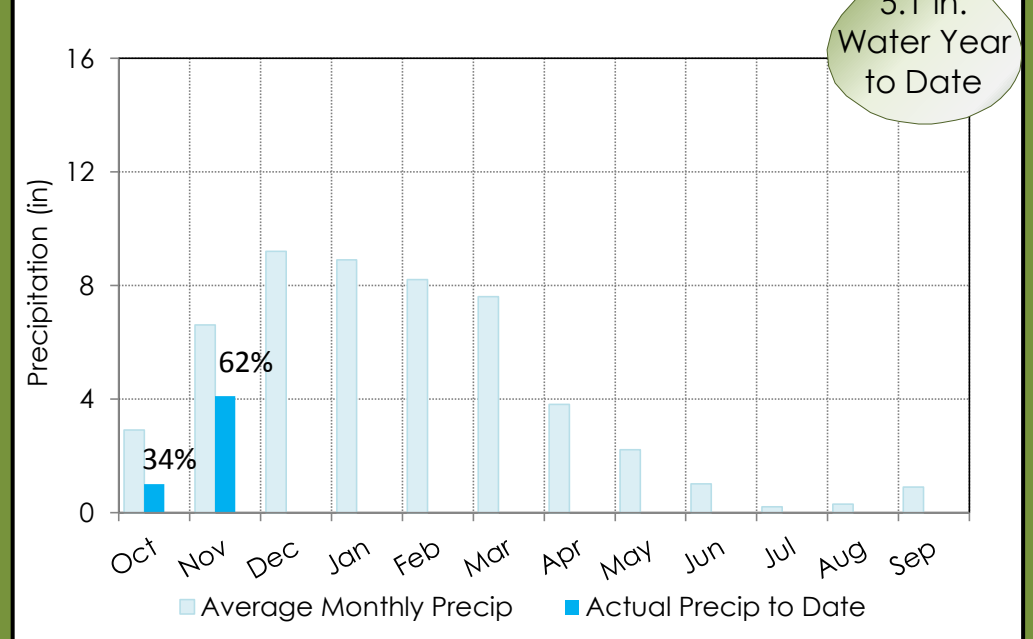
As of: 11/25/2018

# State Water Project Resources

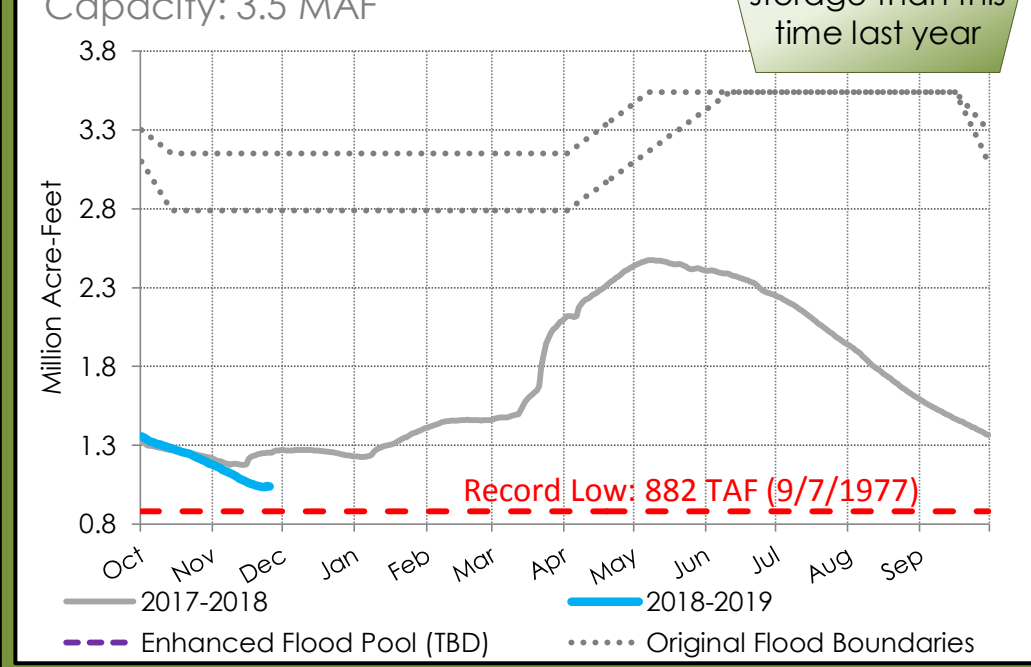
## Northern Sierra Snowpack



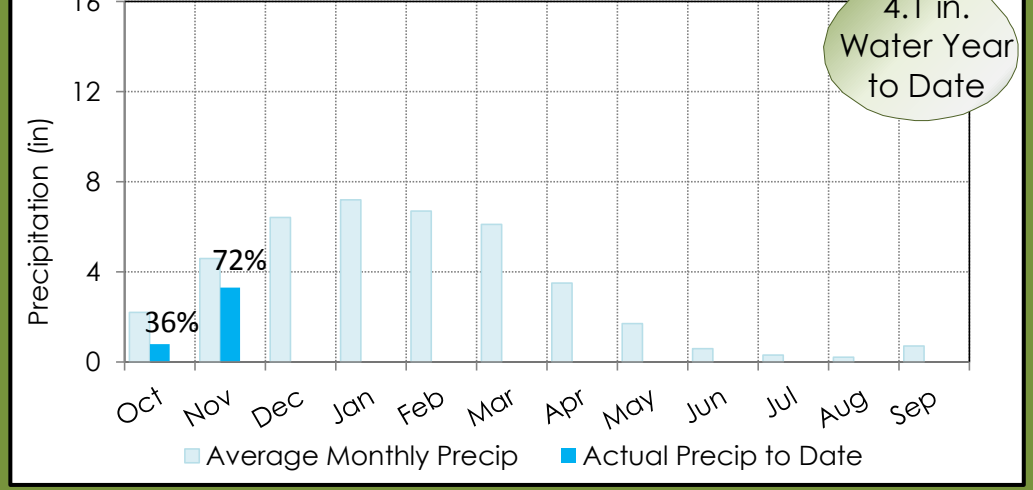
## 8 Station Index Precip



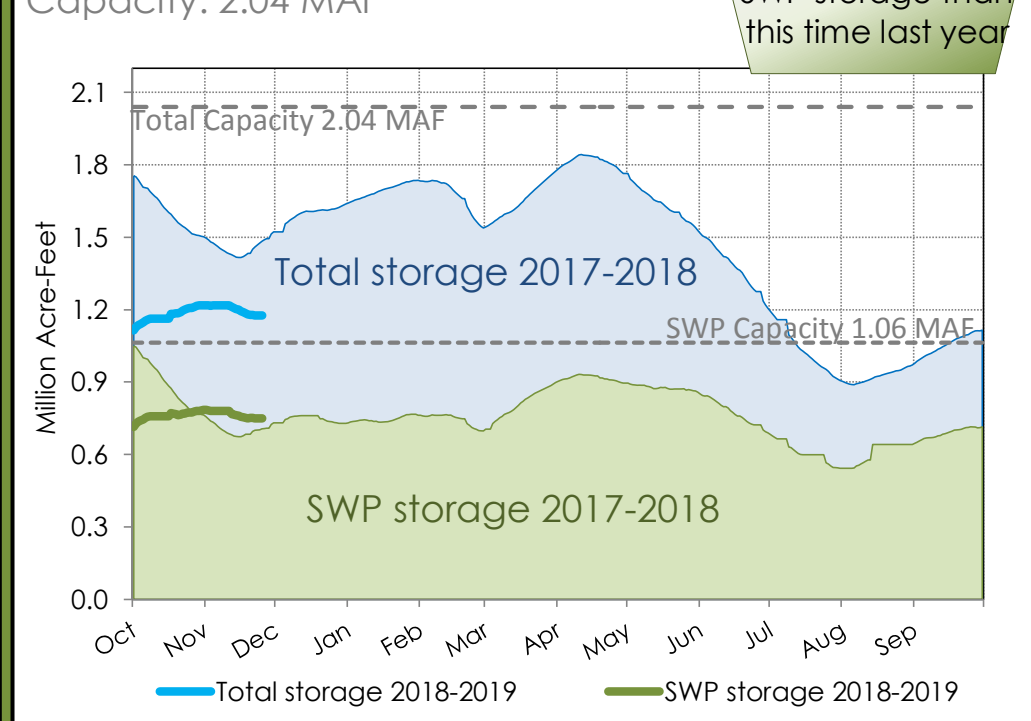
## Oroville Reservoir Storage



## 5 Station Index Precip



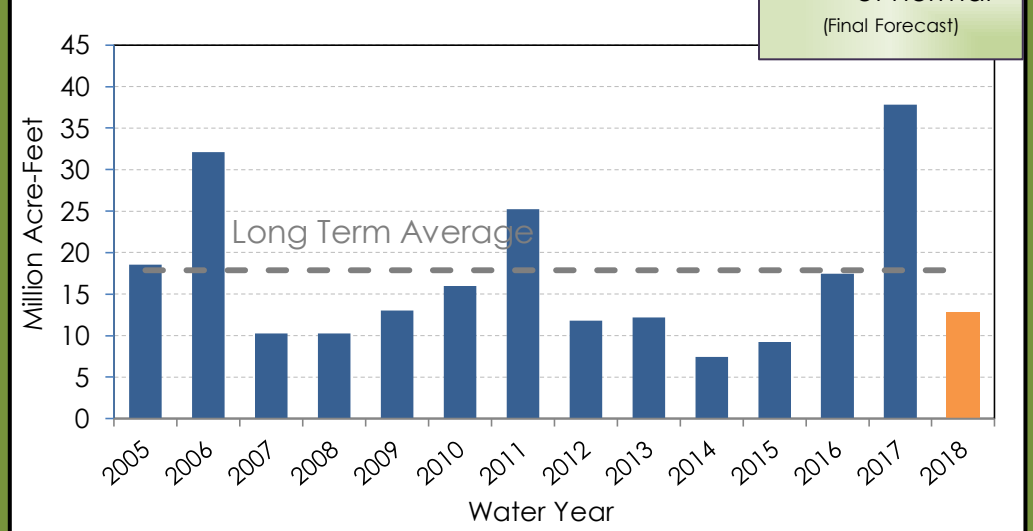
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	14,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

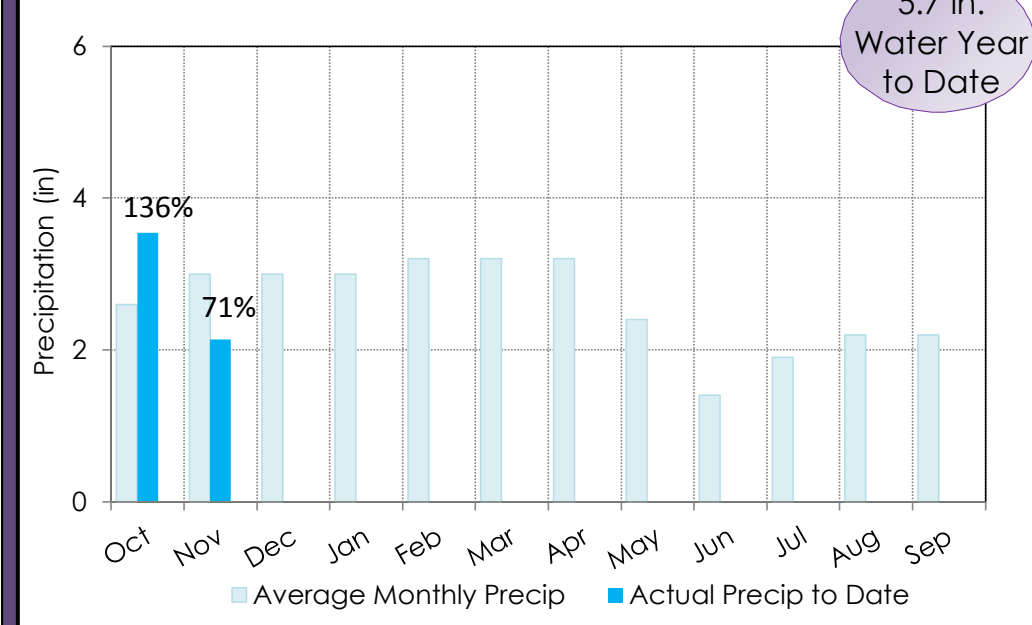
## Sacramento River Runoff



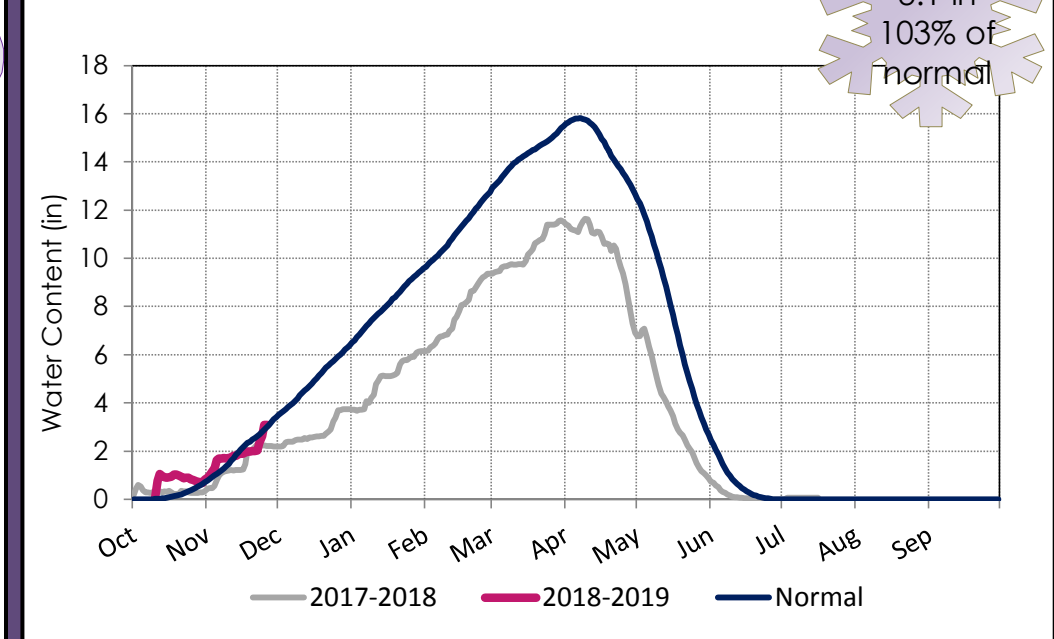
# Colorado River Resources

As of: 11/25/2018

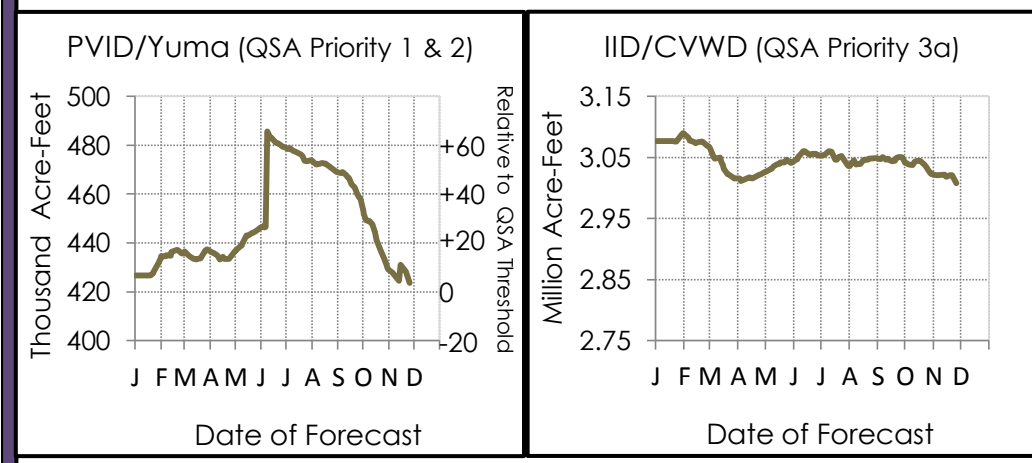
## Upper Colorado Basin Precip



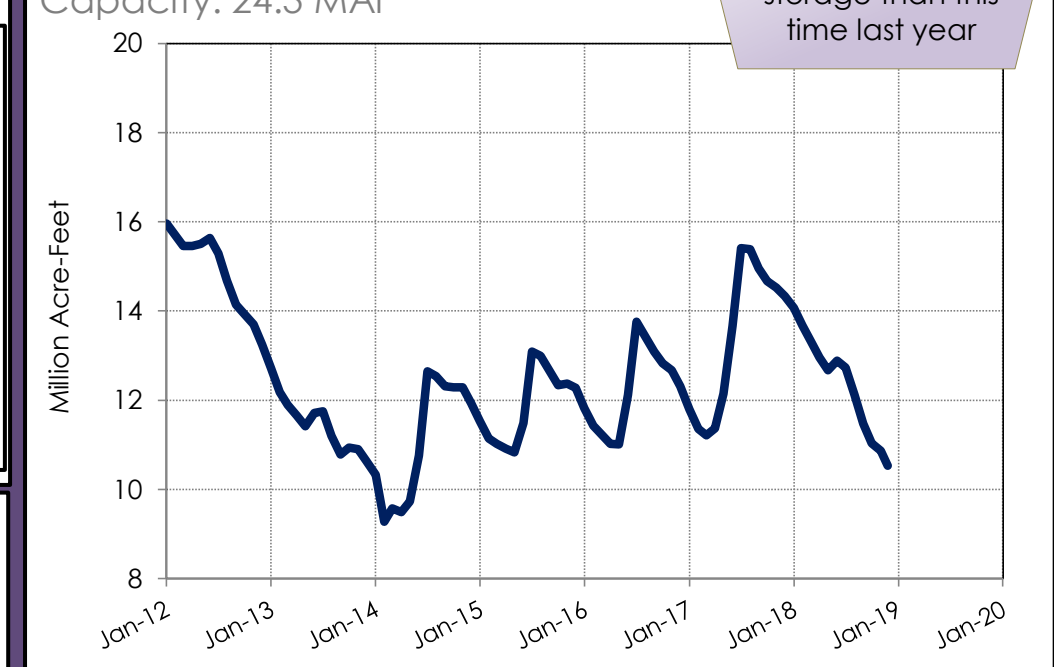
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

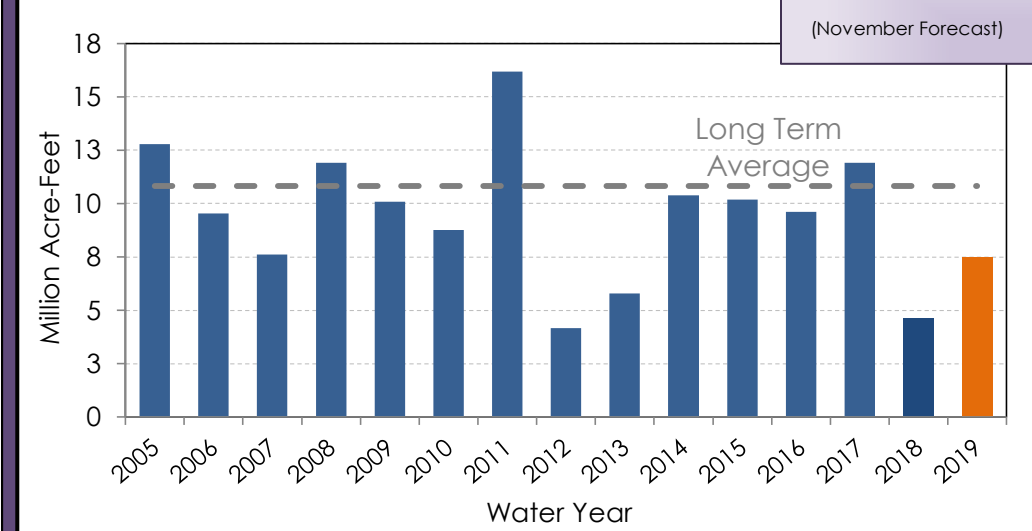


## Lake Mead Shortage/Surplus Outlook

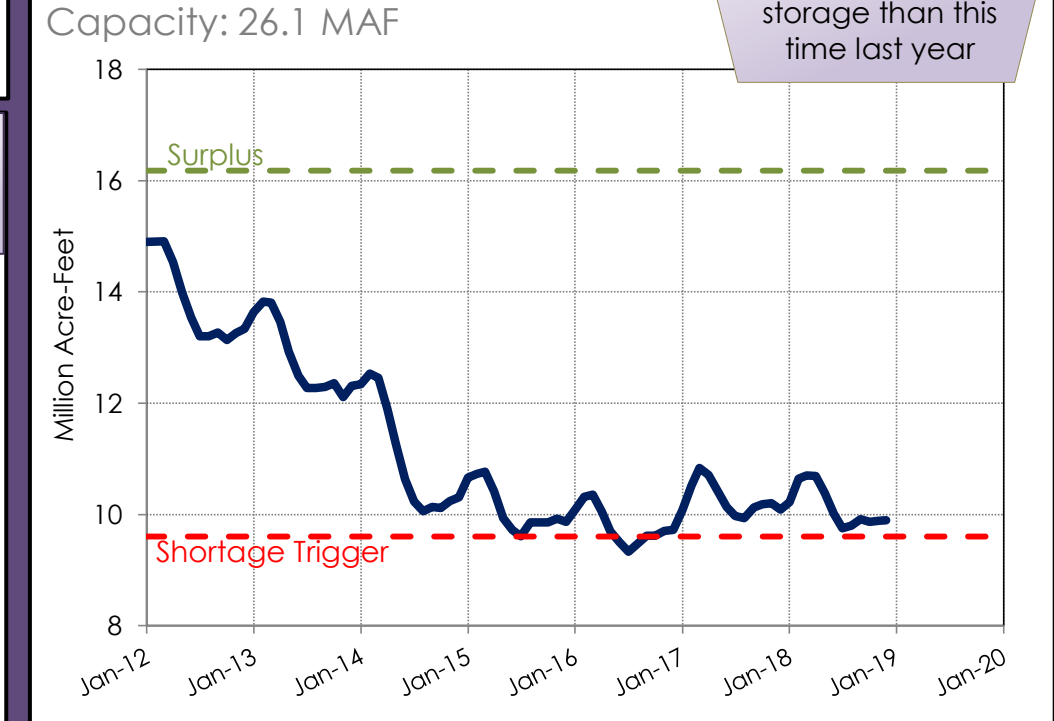
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

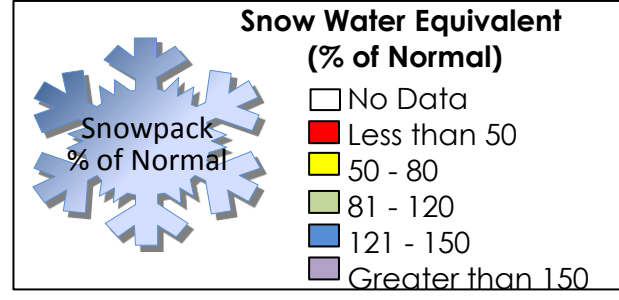
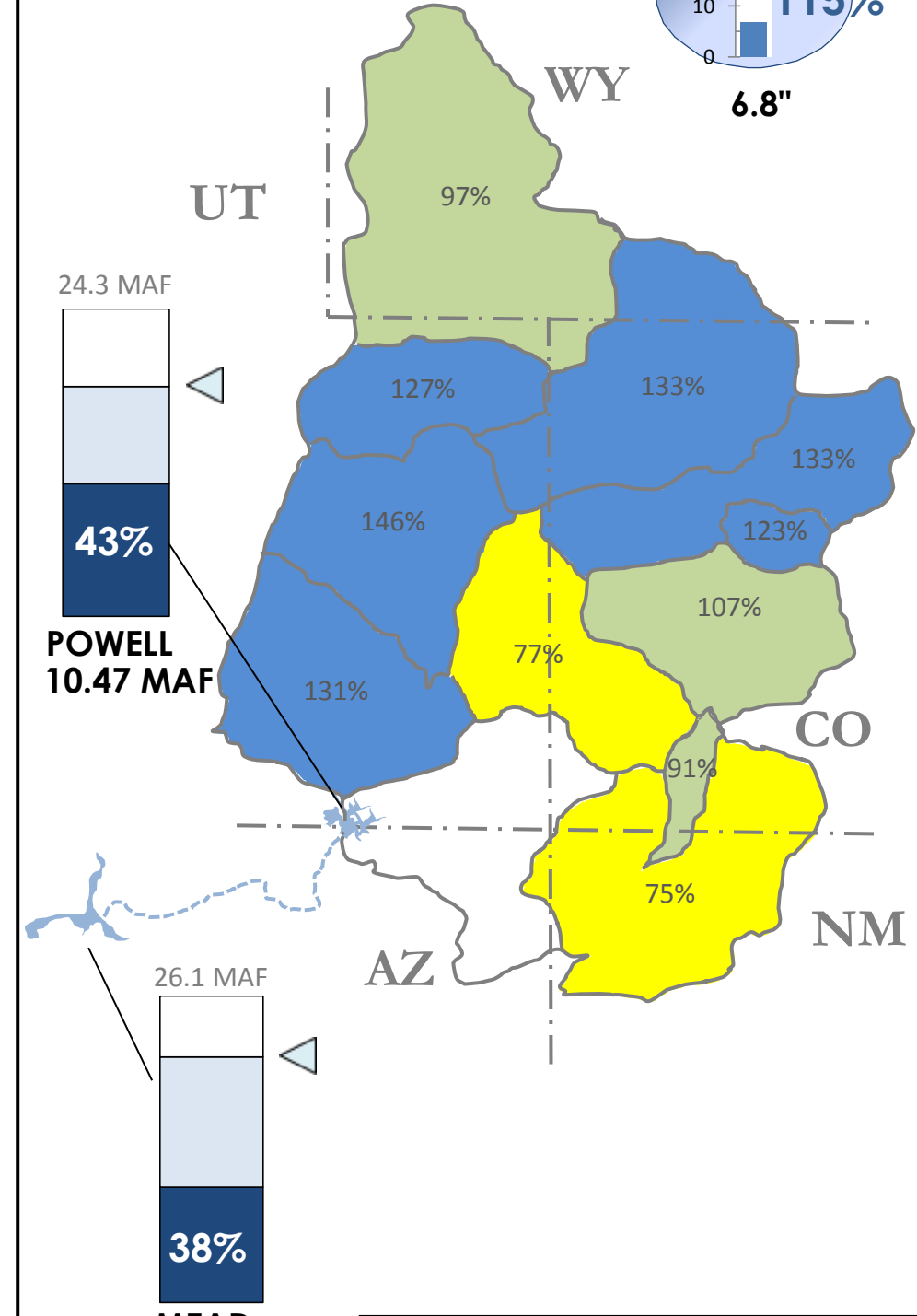
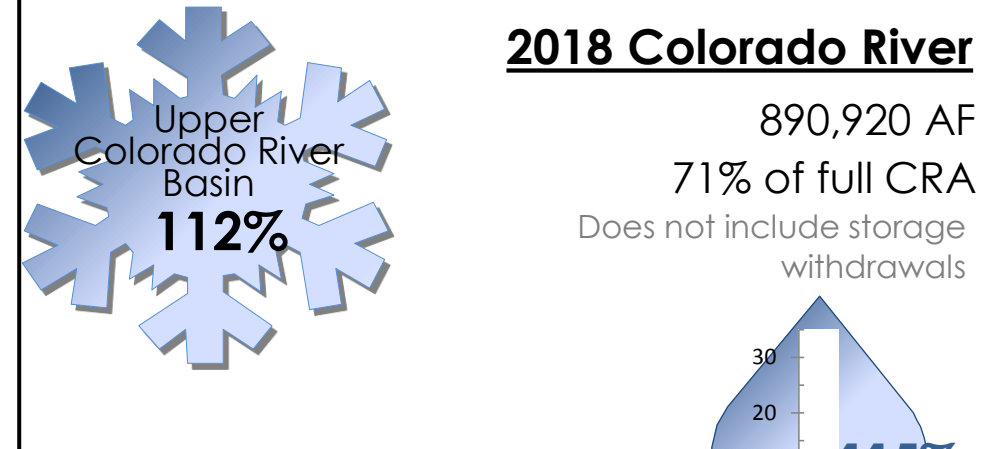
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



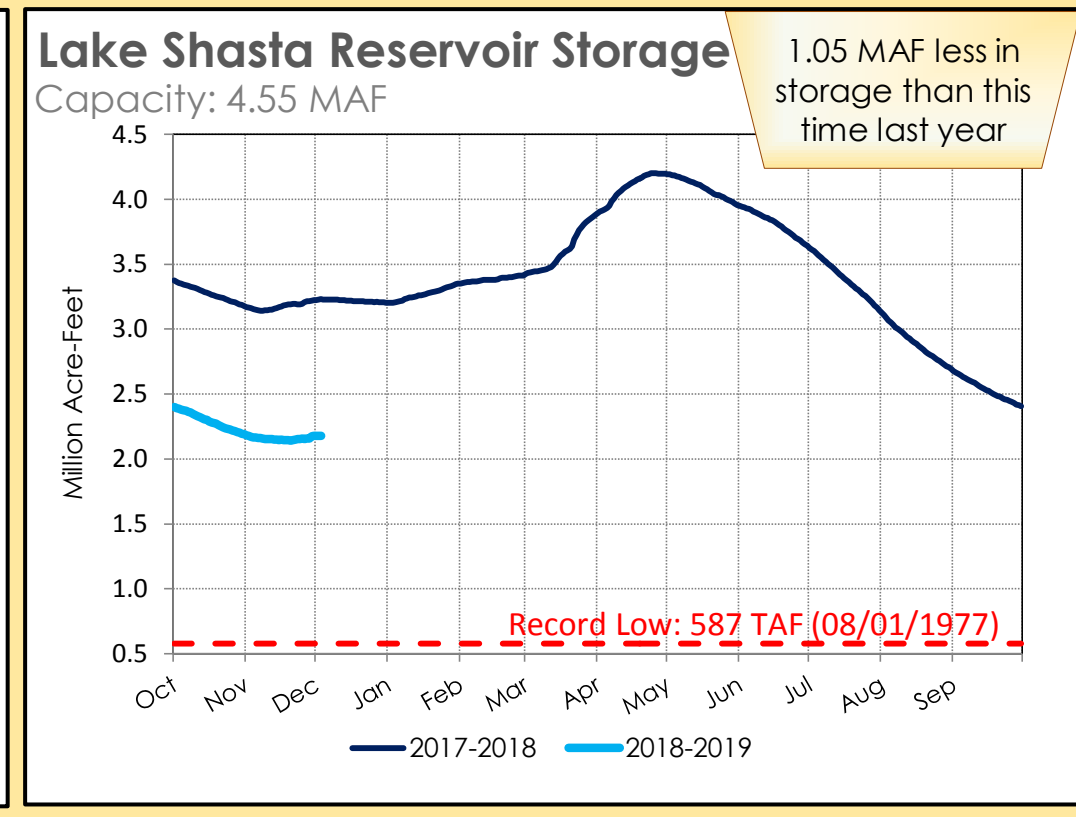
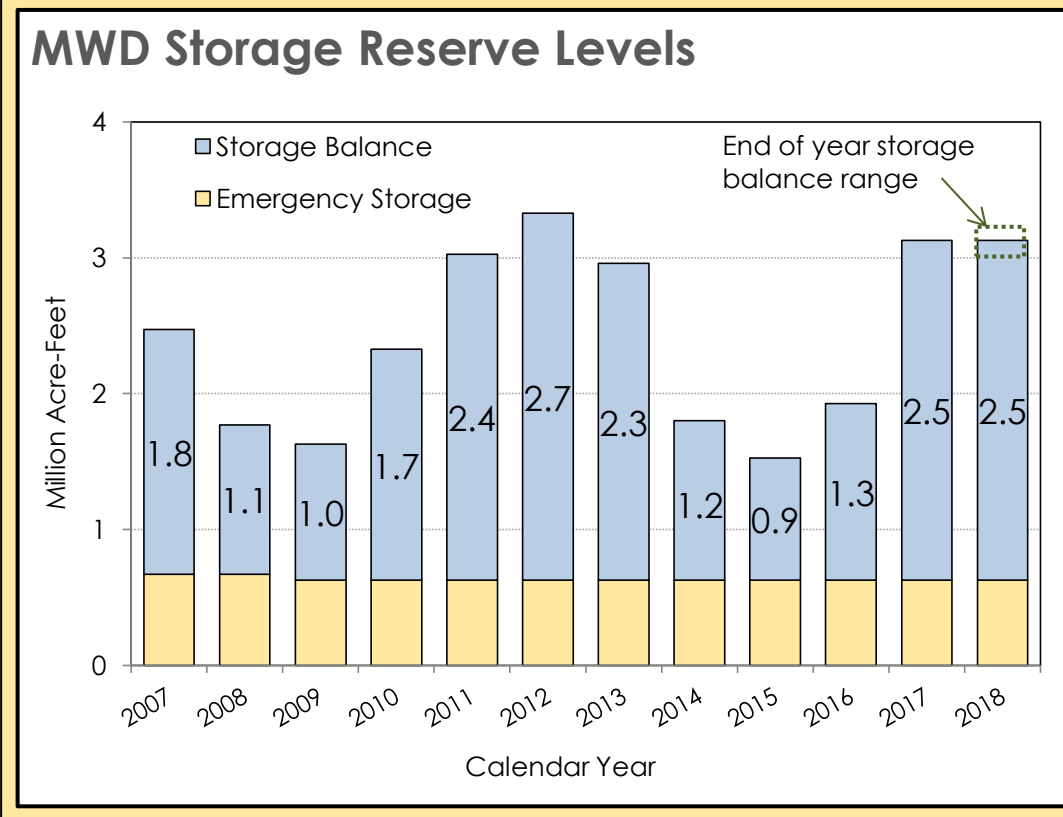
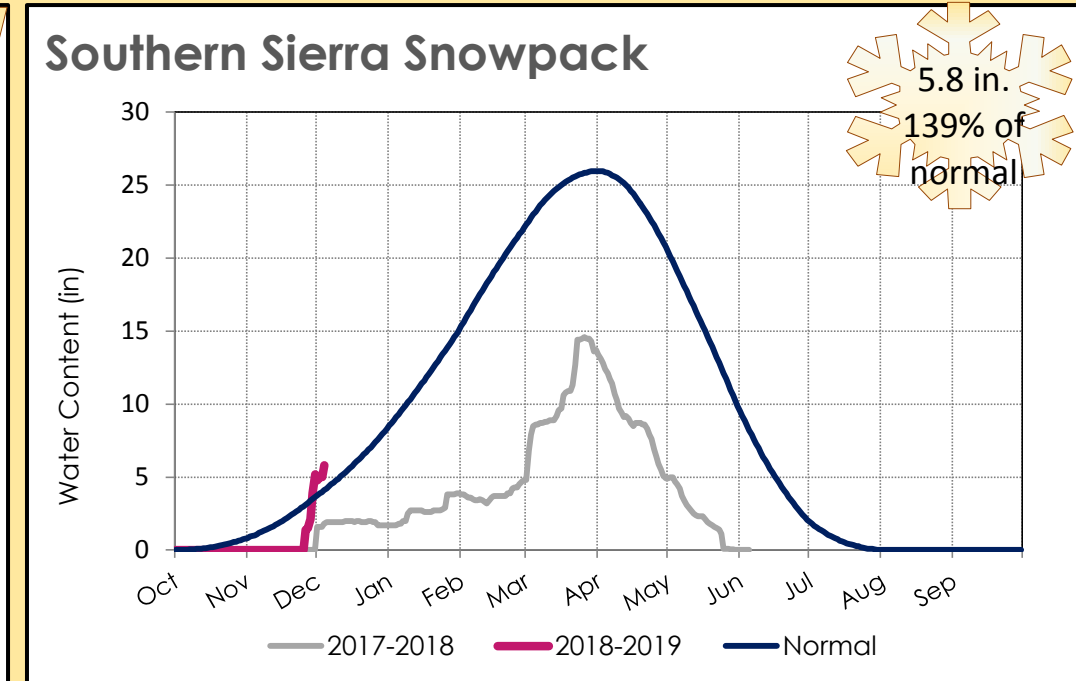
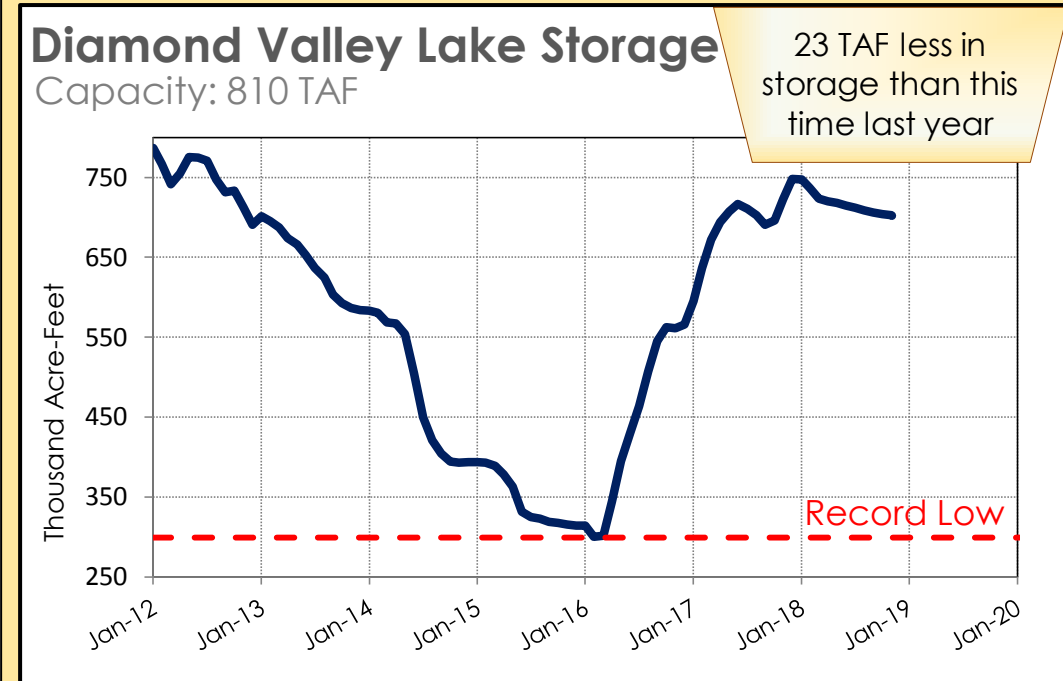
## Lake Mead Storage





**Highlights**

- Snow in the Sierra is at 106% of normal
- Precipitation in the Northern Sierra is at 81% of normal
- Snow in the Upper Colorado River Basin at 112% of normal
- Precipitation in the Upper Colorado River Basin is at 115% of normal



**2018 SWP Allocation**  
669,025 AF  
35% of Table A

**Statewide 106%**

**OROVILLE 1.02 MAF**  
29%  
8 STA: 8.4" **81%**  
Northern Sierra **77%**

**SAN LUIS TOT: 1.20 MAF SWP: 752 TAF**  
59%  
5 STA: 8.5" **118%**  
Southern Sierra **139%**

**LA: 2.2" 139%**  
**SD: 1.4" 87%**

**CASTAIC 261 TAF**  
80%  
325 TAF

**DVL 702 TAF**  
87%  
810 TAF

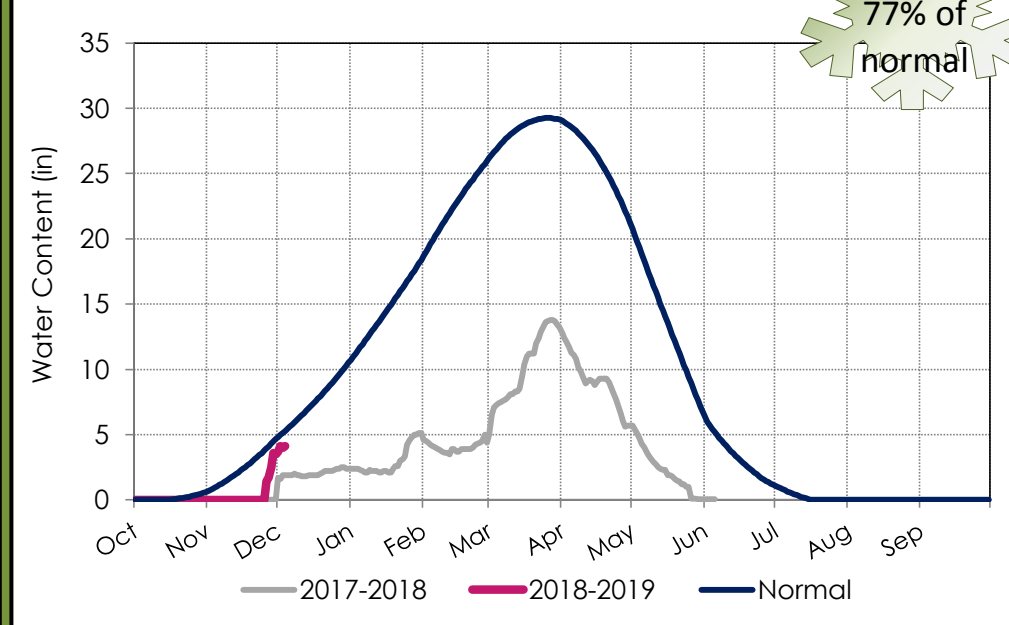
WY Avg  
% Normal WY to Date  
Rainfall to Date (in)

Capacity  
Average EOM  
Current Storage (% Capacity)

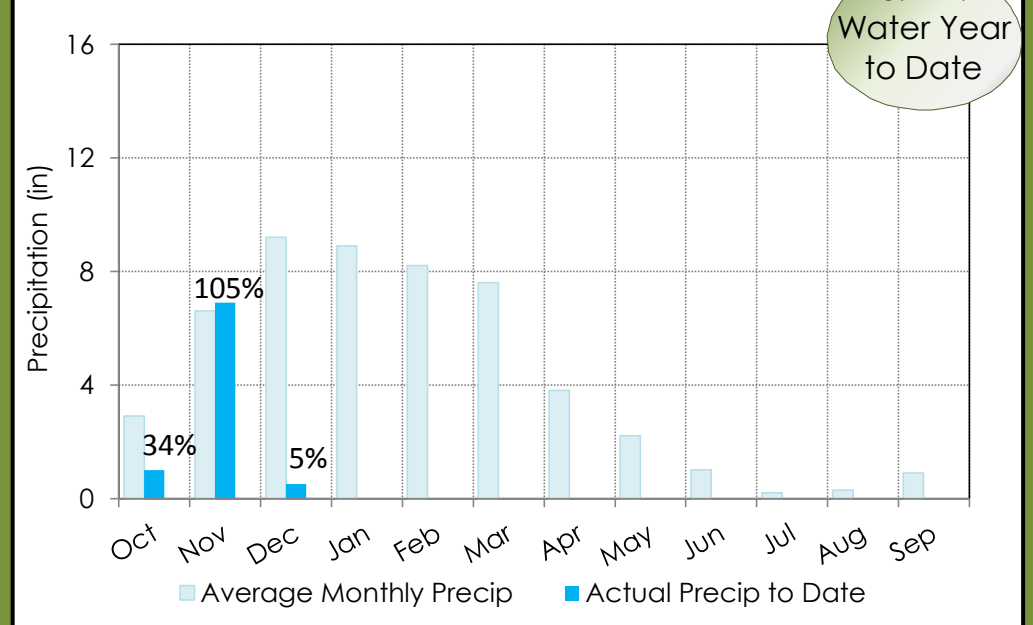
As of: 12/03/2018

# State Water Project Resources

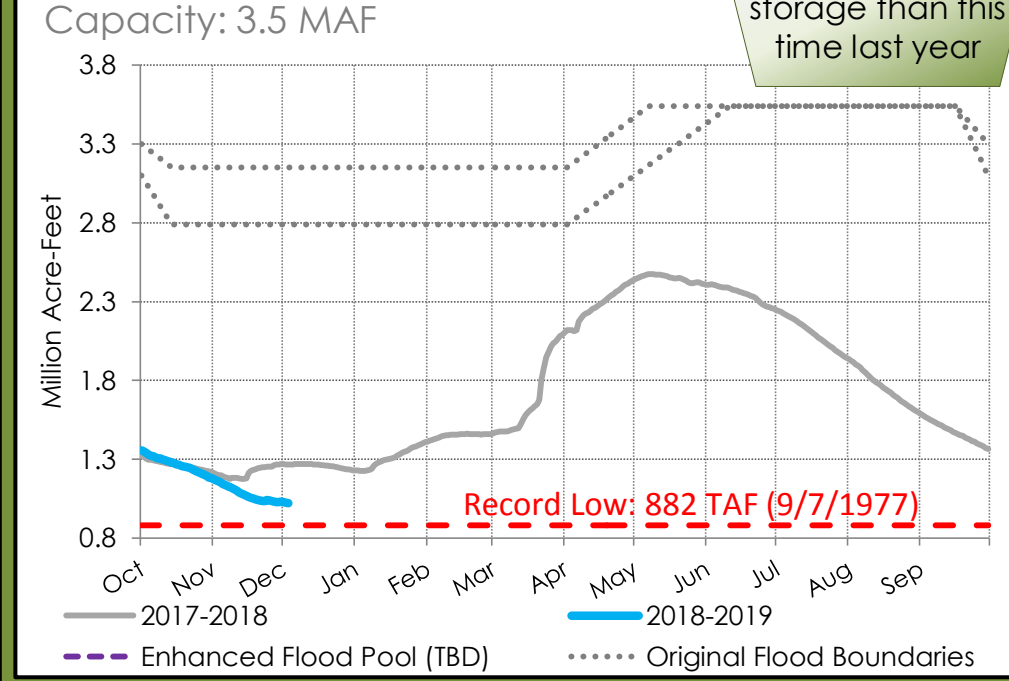
## Northern Sierra Snowpack



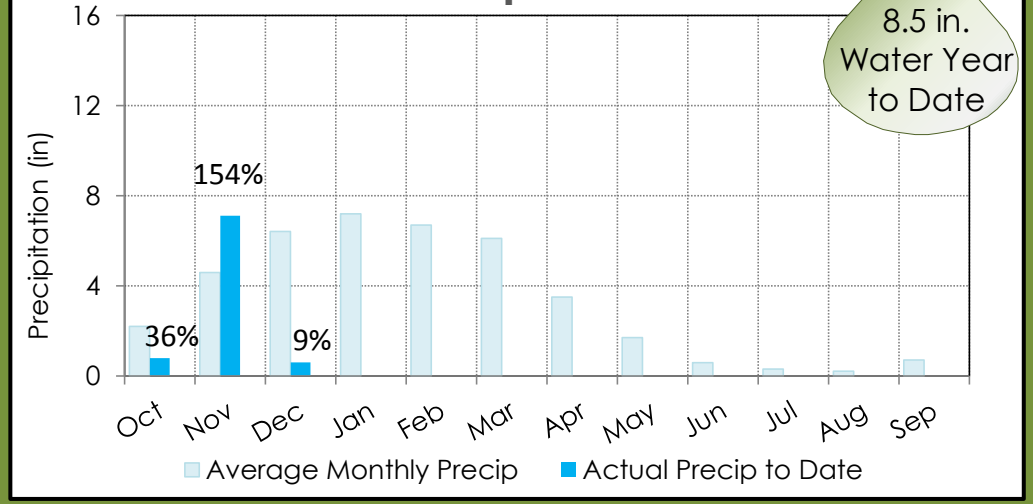
## 8 Station Index Precip



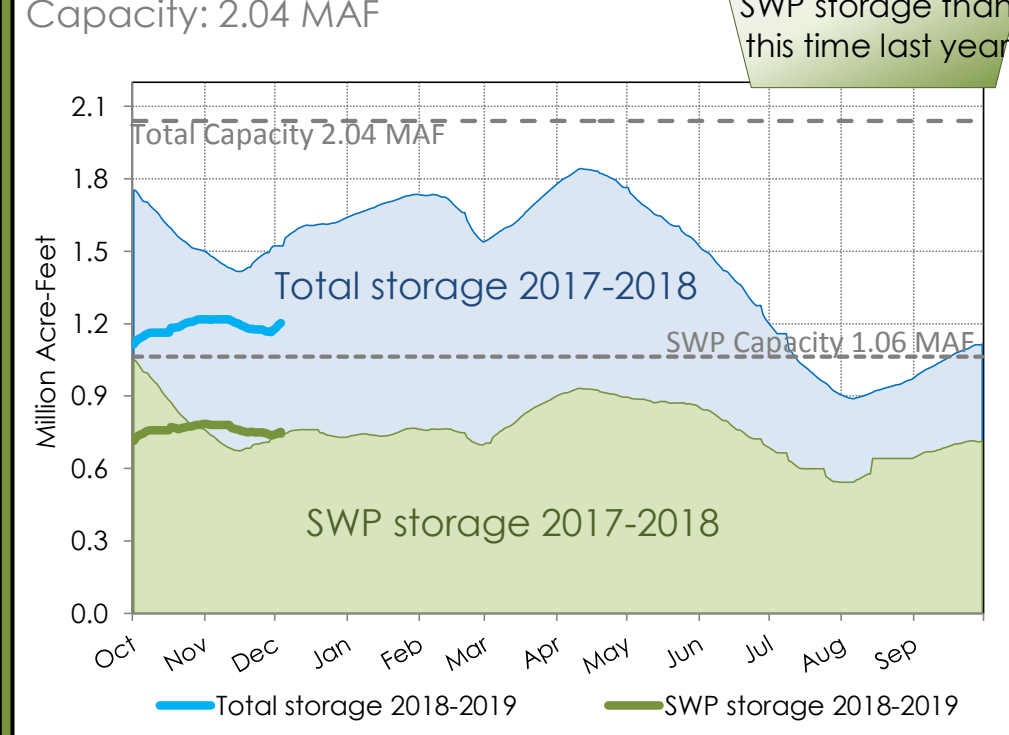
## Oroville Reservoir Storage



## 5 Station Index Precip



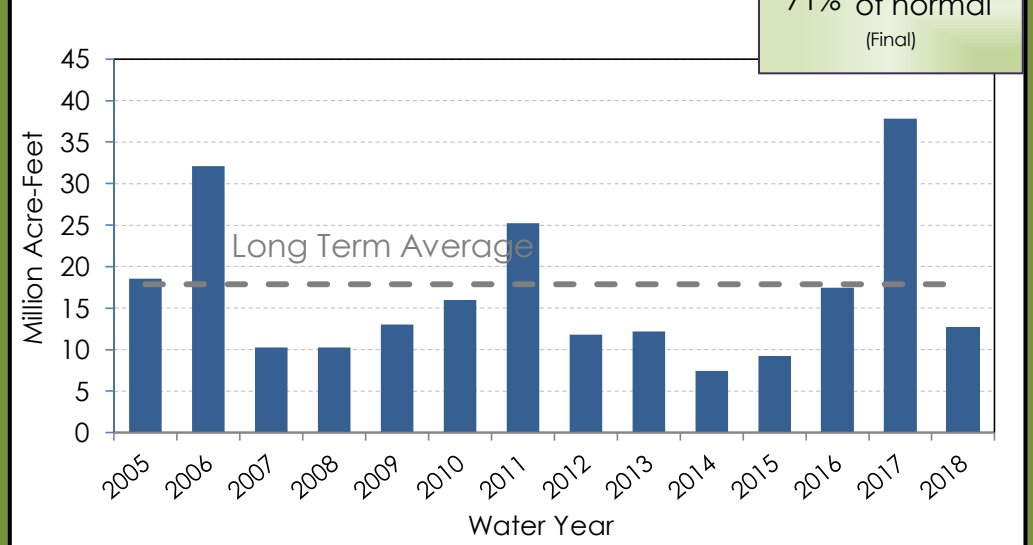
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	14,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

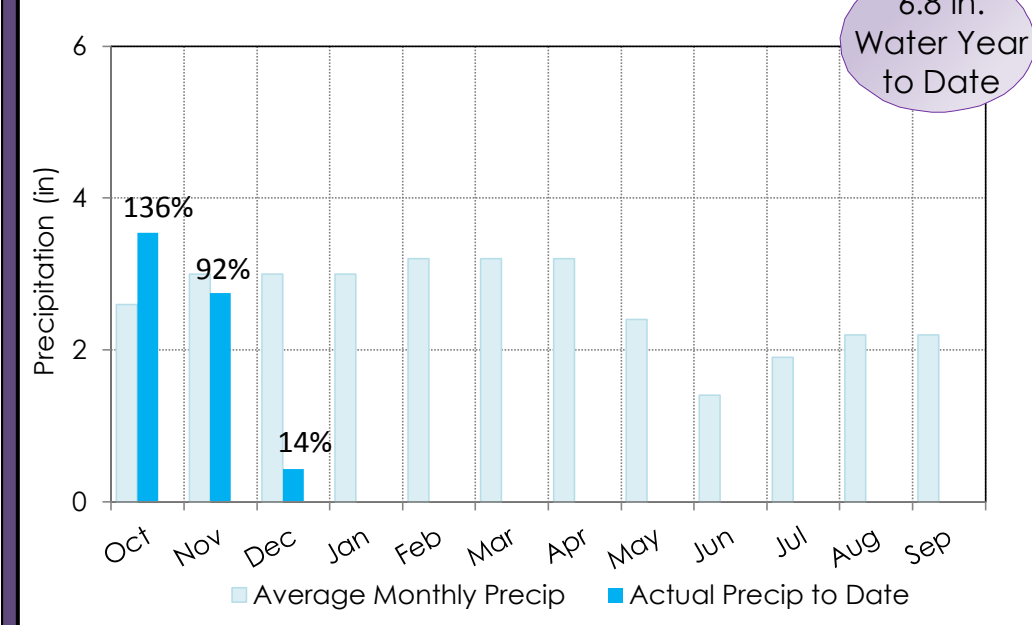
## Sacramento River Runoff



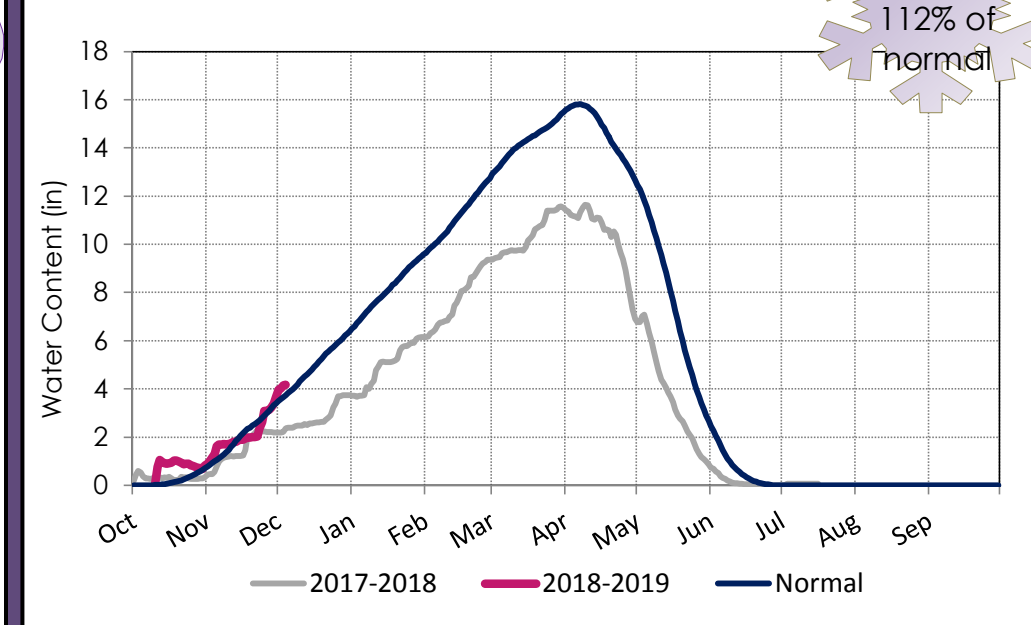
# Colorado River Resources

As of: 12/03/2018

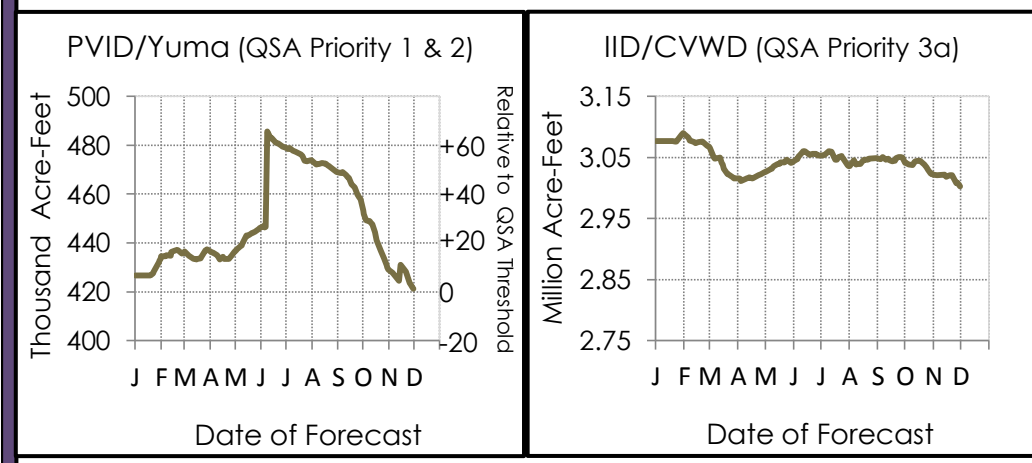
## Upper Colorado Basin Precip



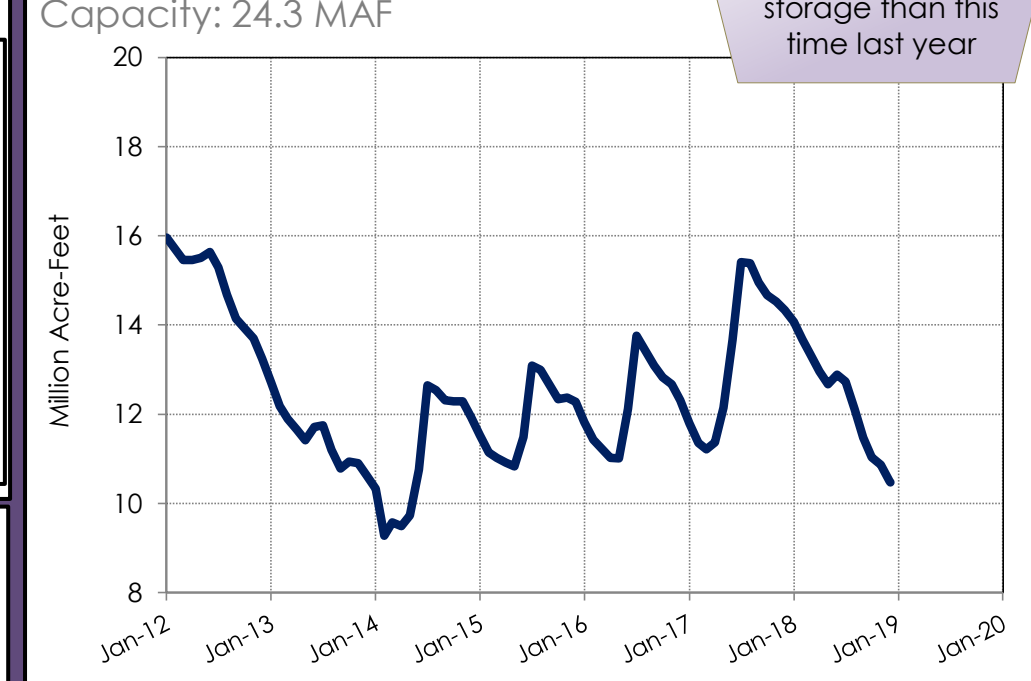
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

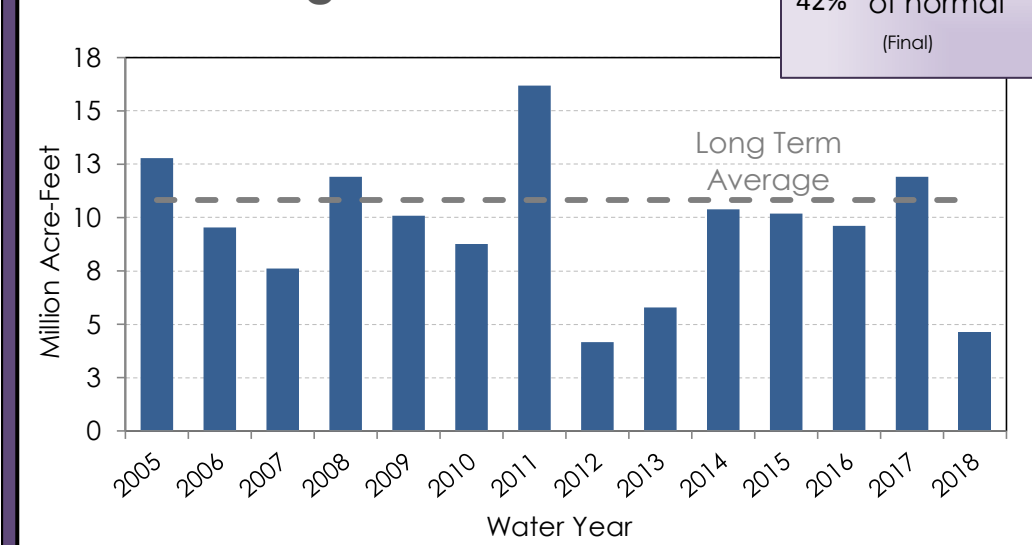


## Lake Mead Shortage/Surplus Outlook

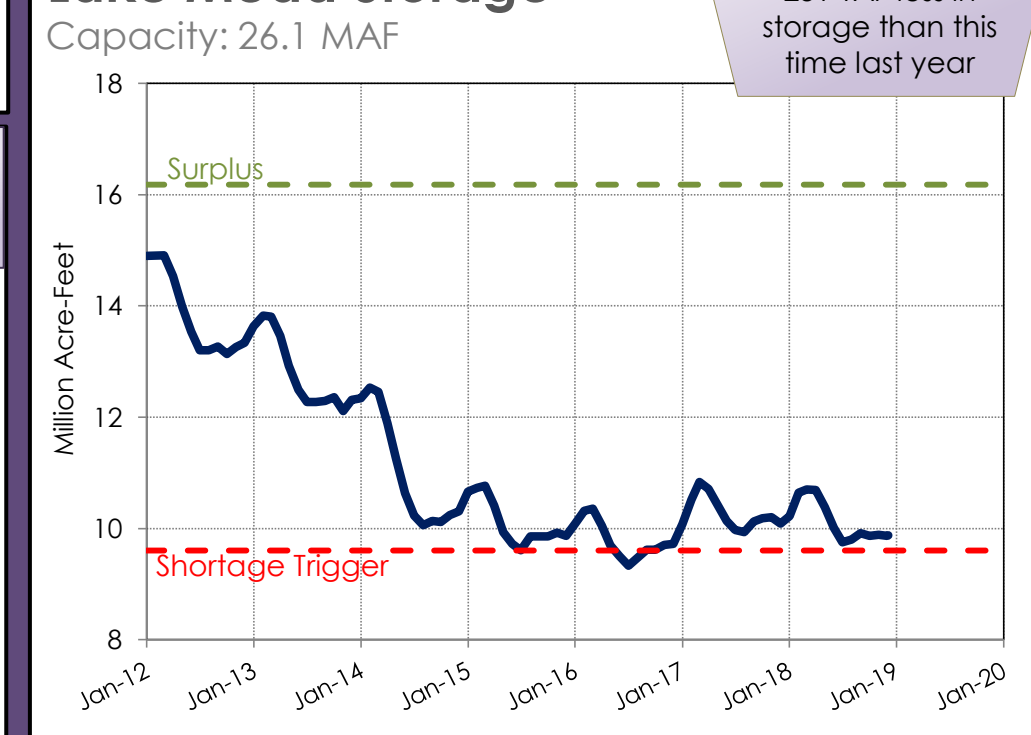
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

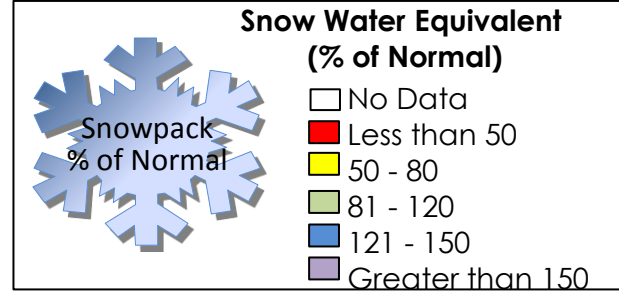
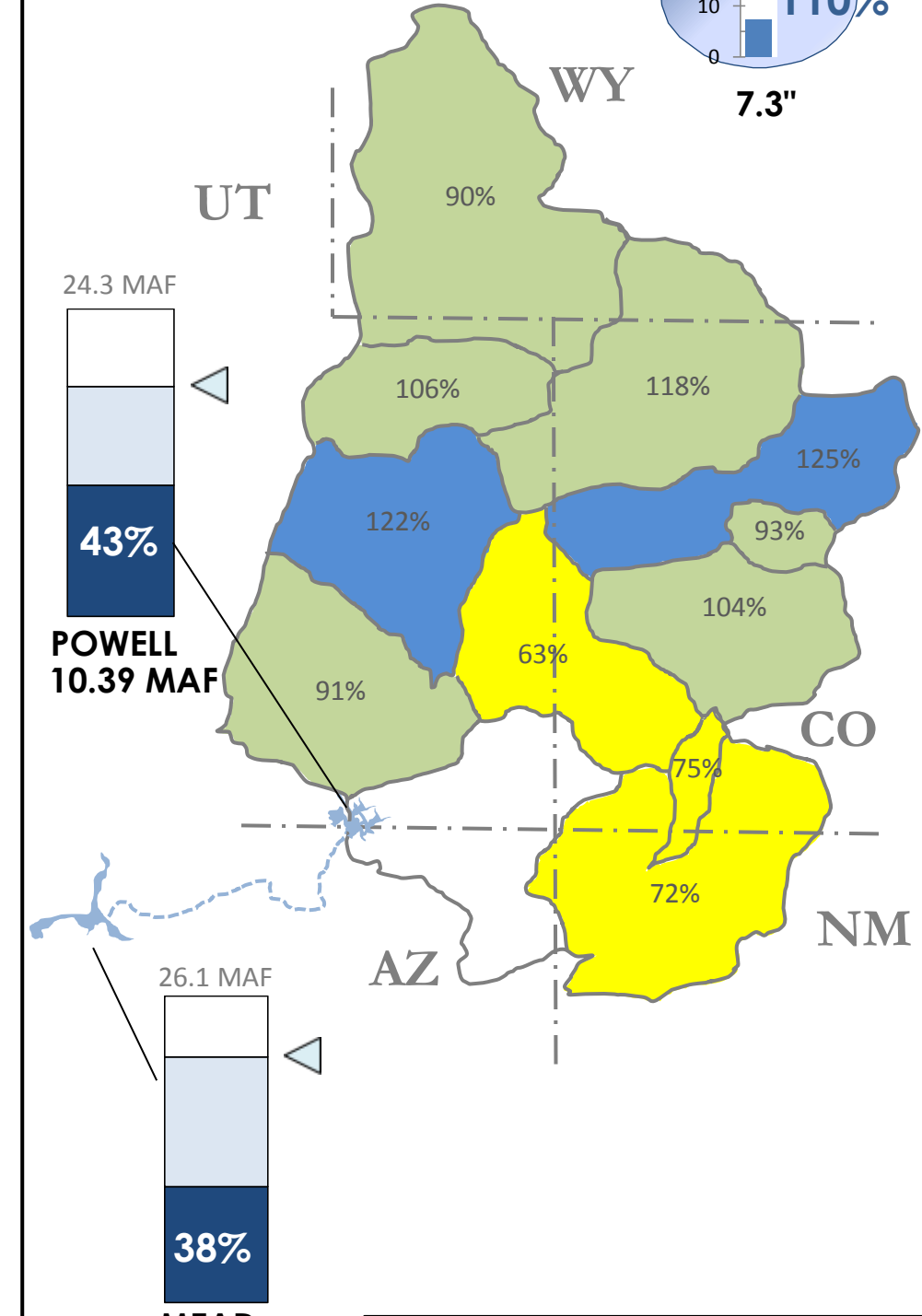
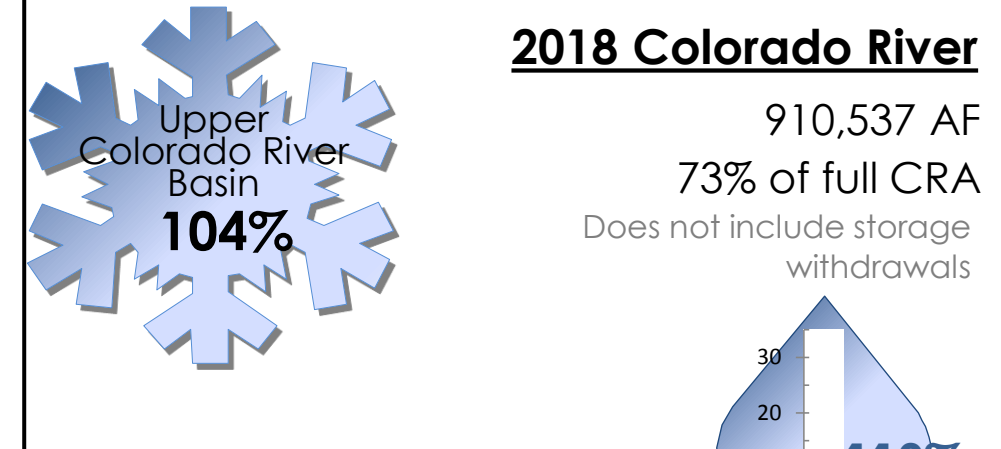
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



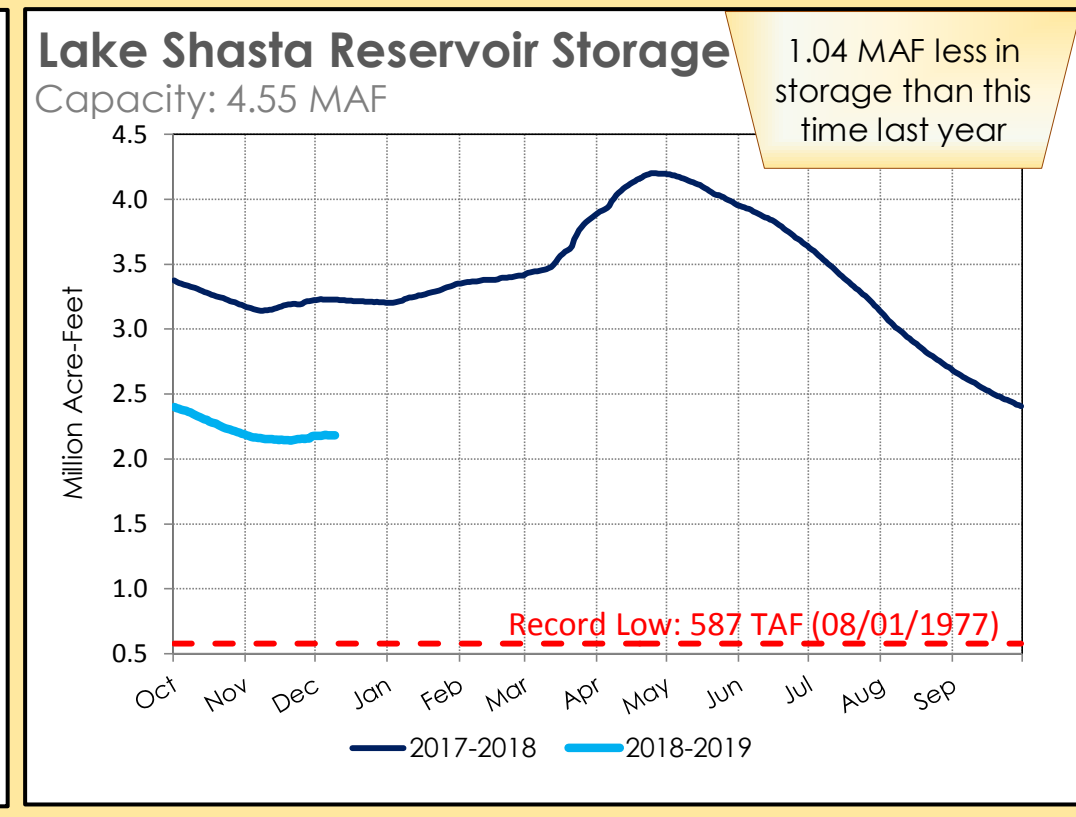
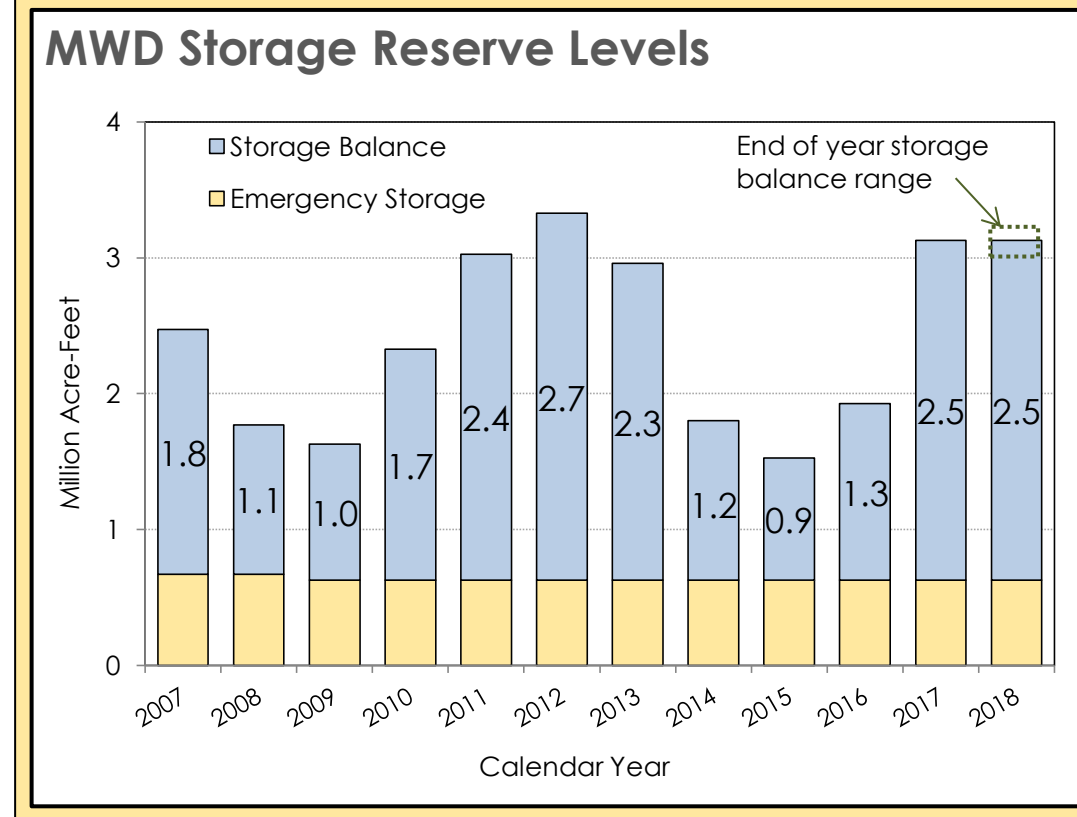
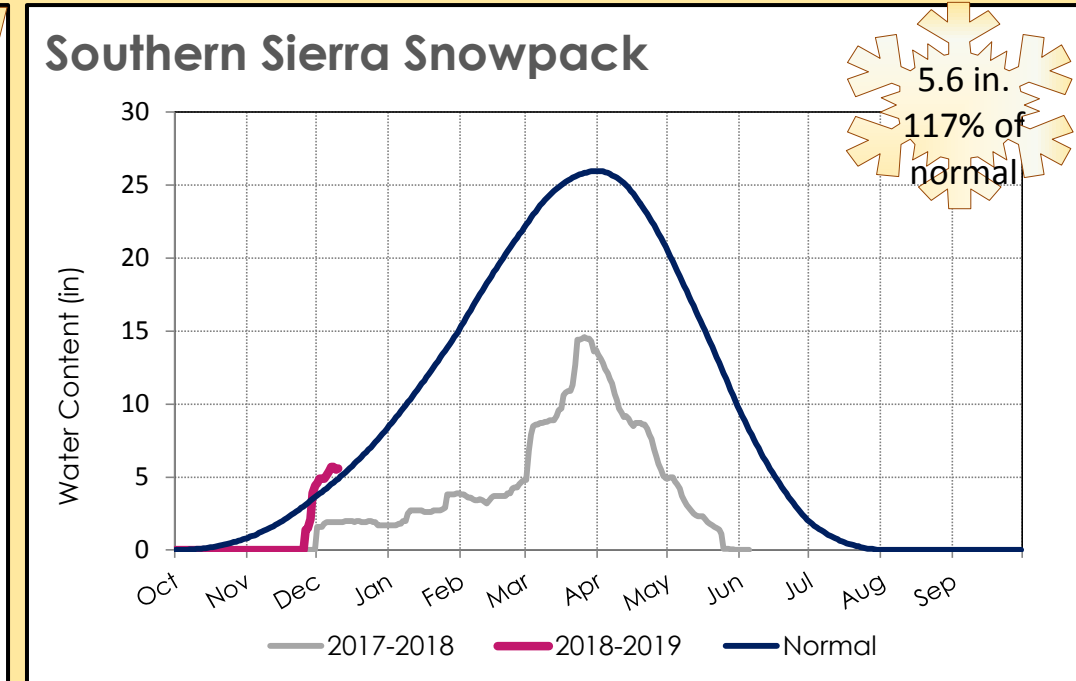
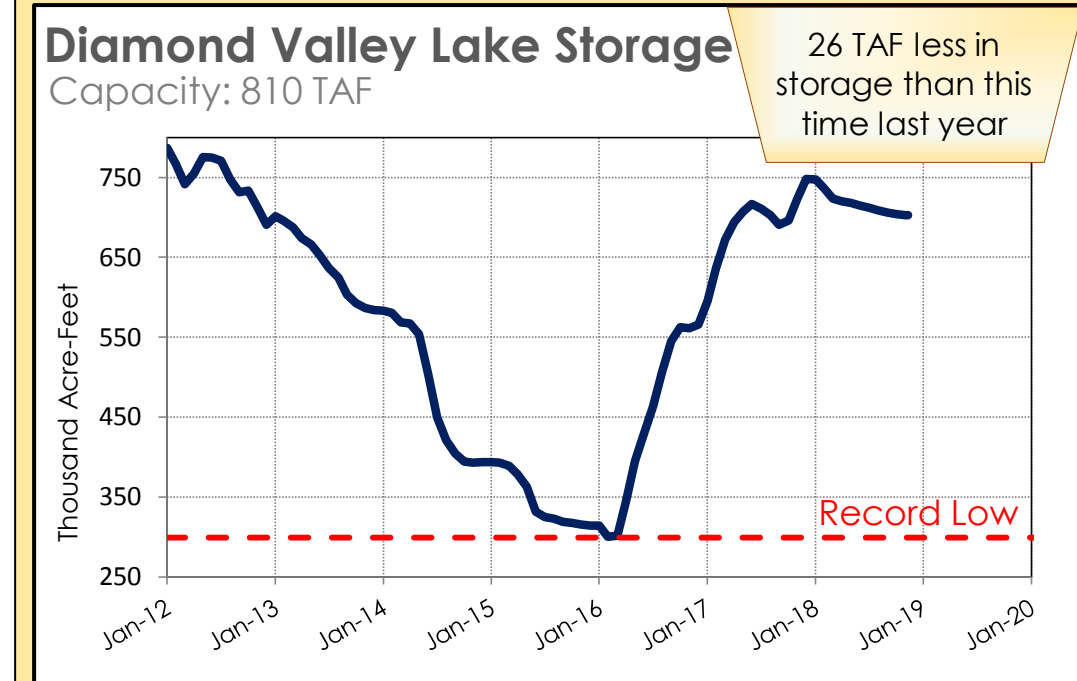
## Lake Mead Storage





**Highlights**

- Northern Sierra snowpack is at 69% of normal
- Northern Sierra precipitation is at 70% of normal
- Upper Colorado River Basin snowpack is at 104% of normal



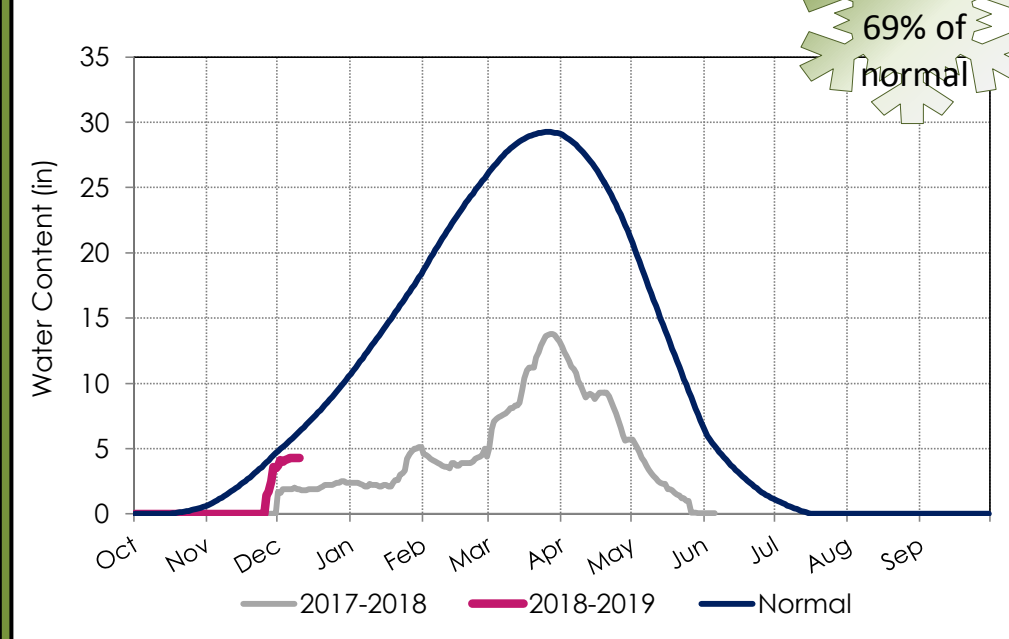
**2018 SWP Allocation**  
669,025 AF  
35% of Table A  
Statewide **94%**

**Legend:**  
WY Avg, % Normal WY to Date, Capacity, Average EOM, Current Storage (% Capacity), Rainfall to Date (in)

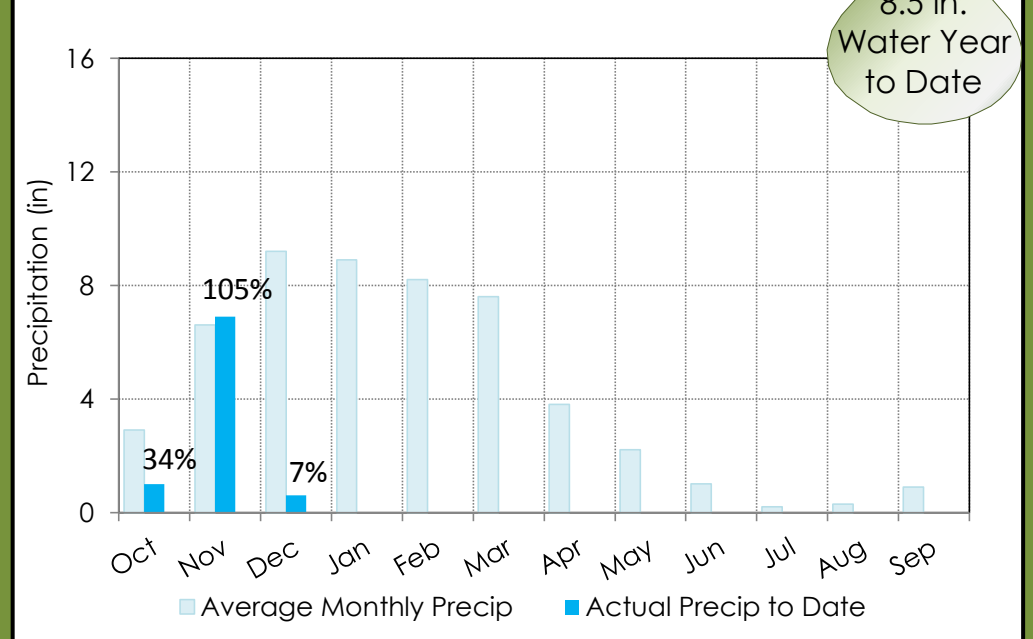
As of: 12/09/2018

# State Water Project Resources

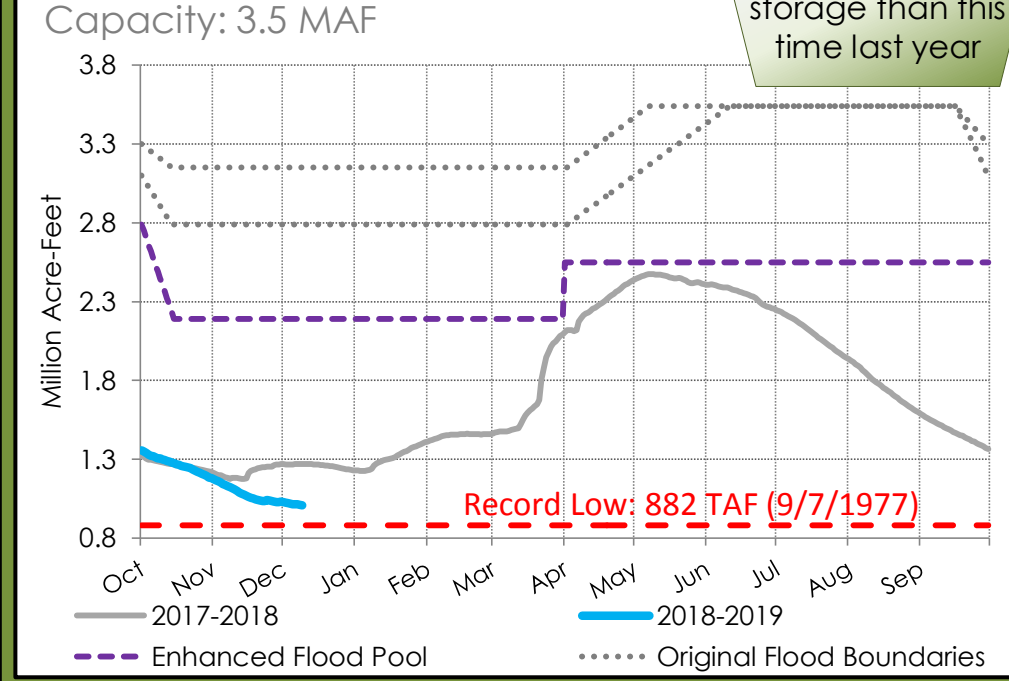
## Northern Sierra Snowpack



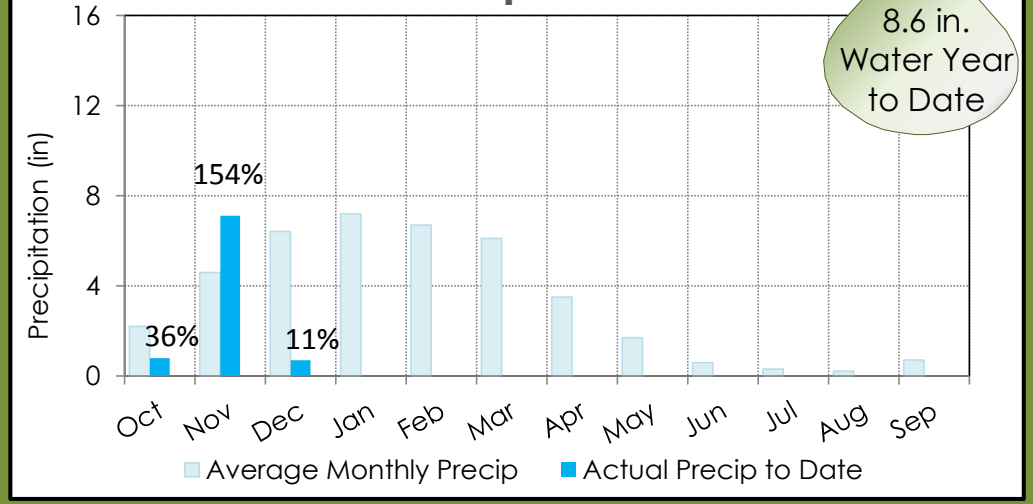
## 8 Station Index Precip



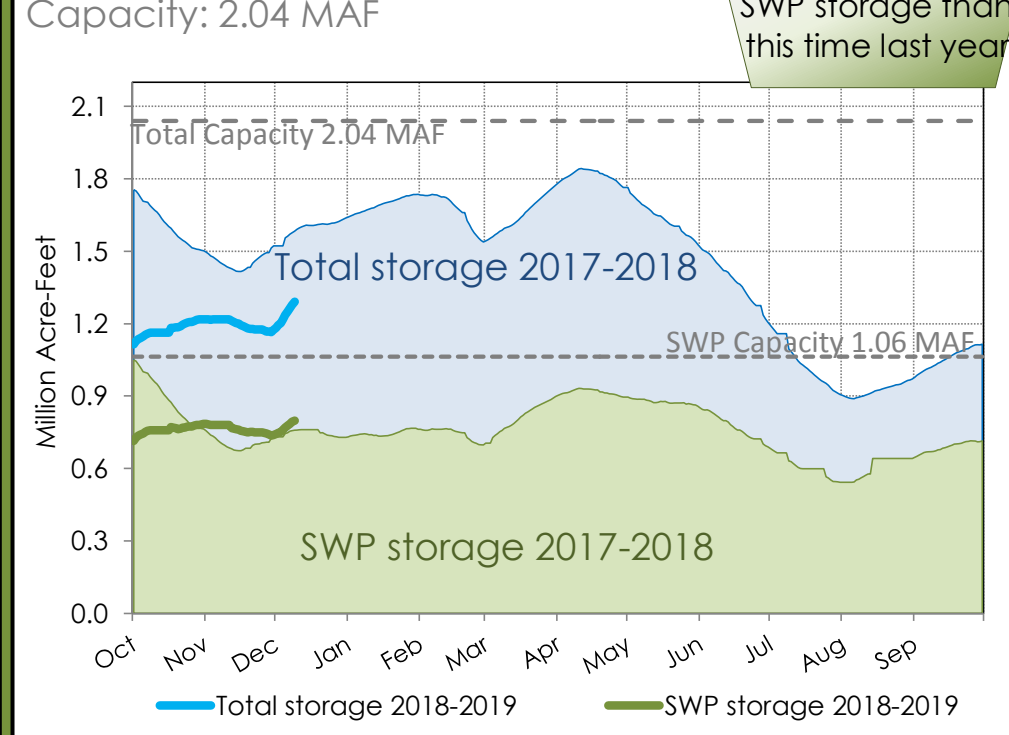
## Oroville Reservoir Storage



## 5 Station Index Precip



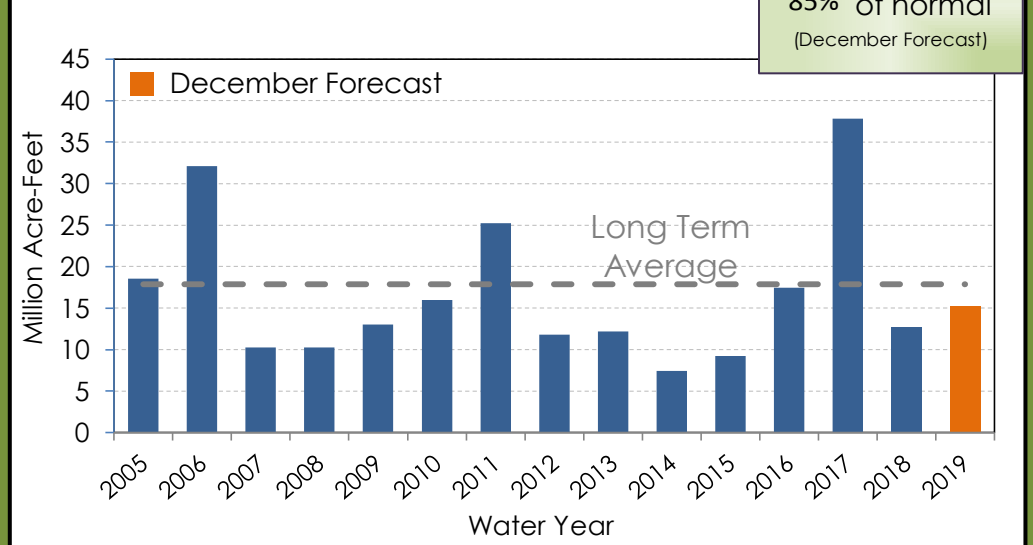
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	14,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

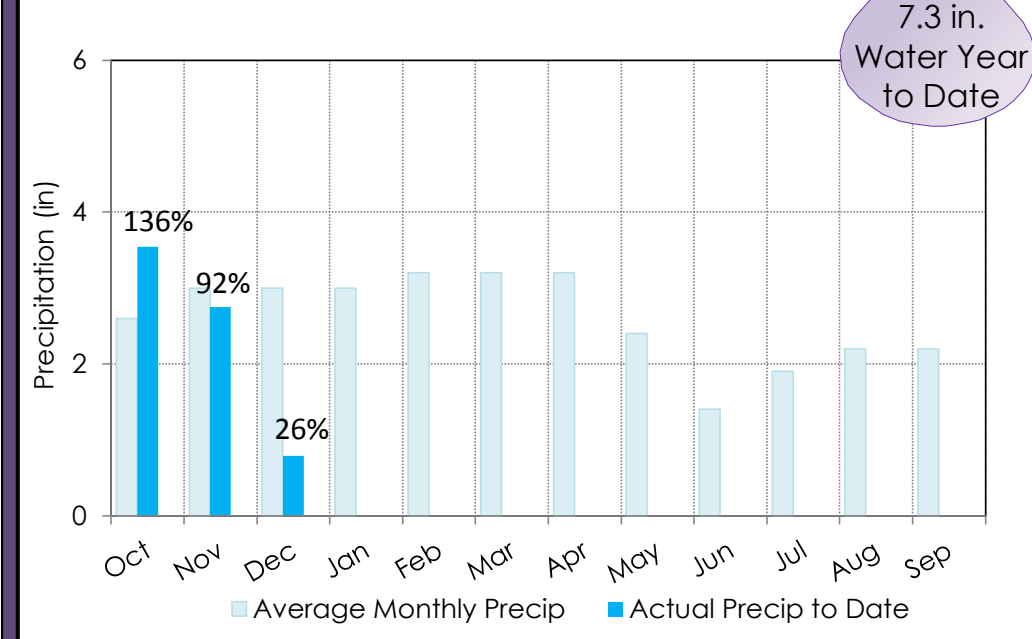
## Sacramento River Runoff



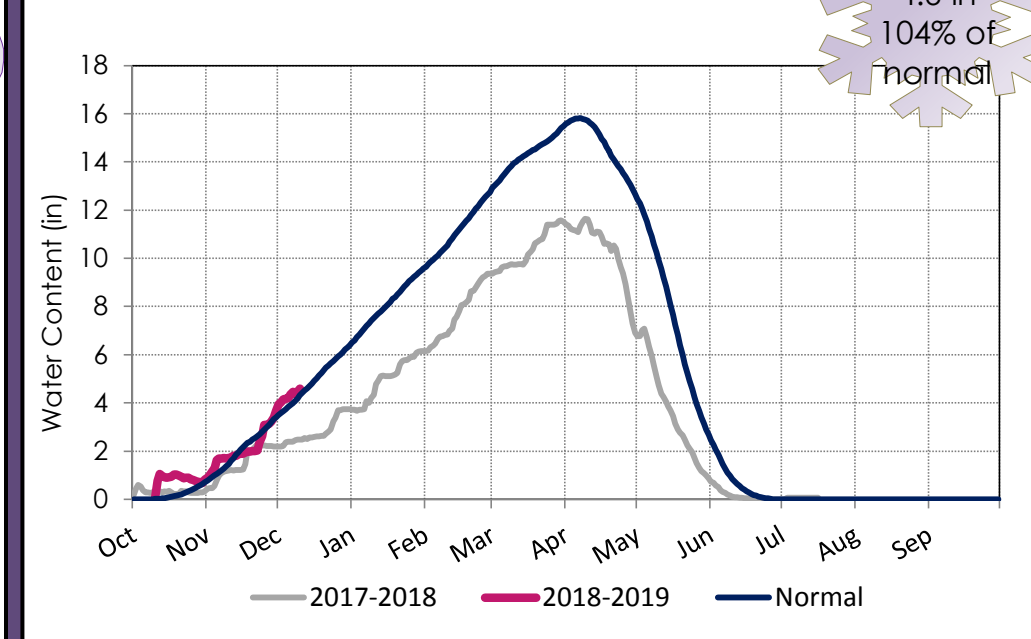
# Colorado River Resources

As of: 12/09/2018

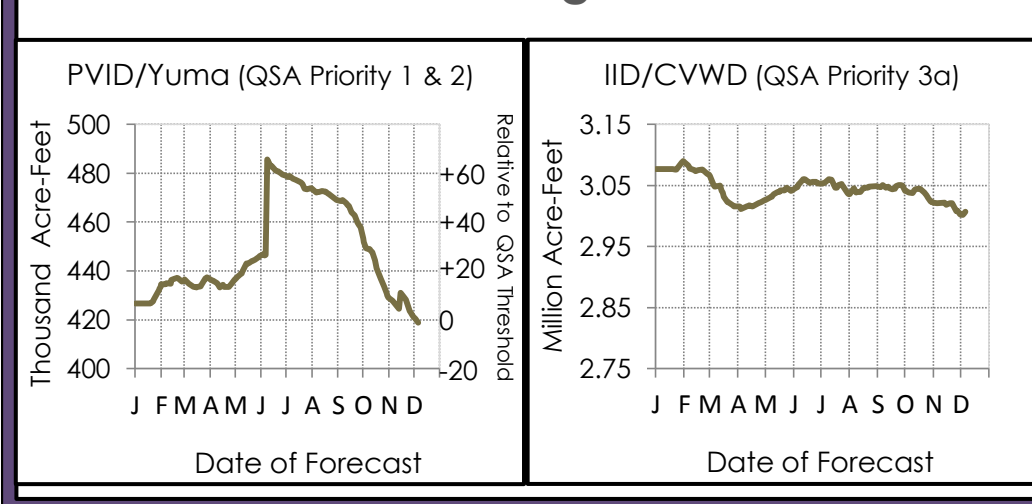
## Upper Colorado Basin Precip



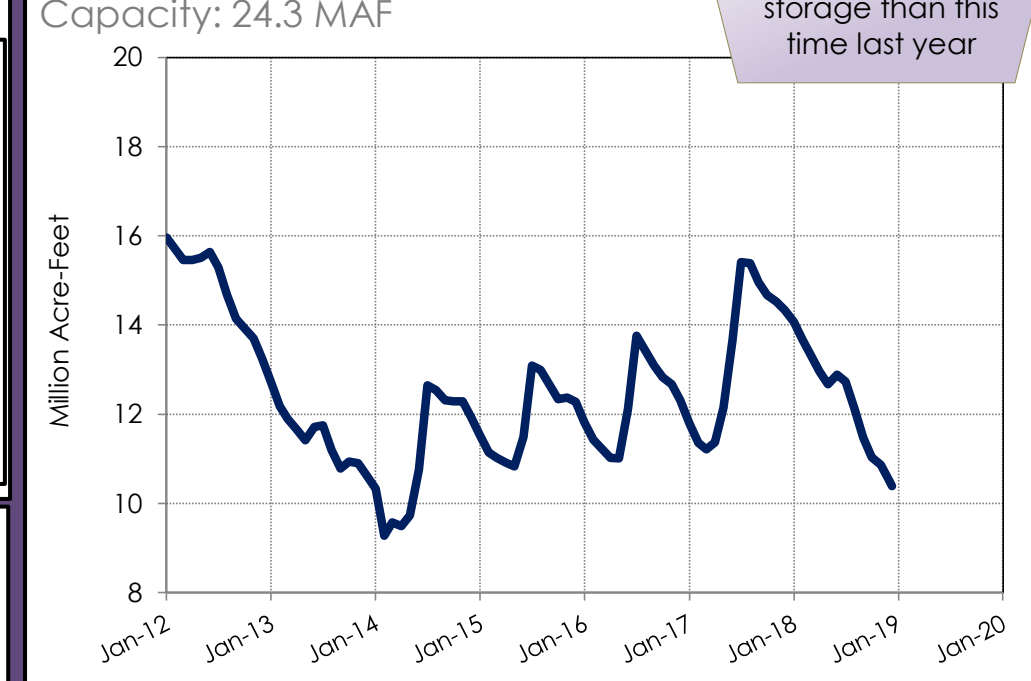
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

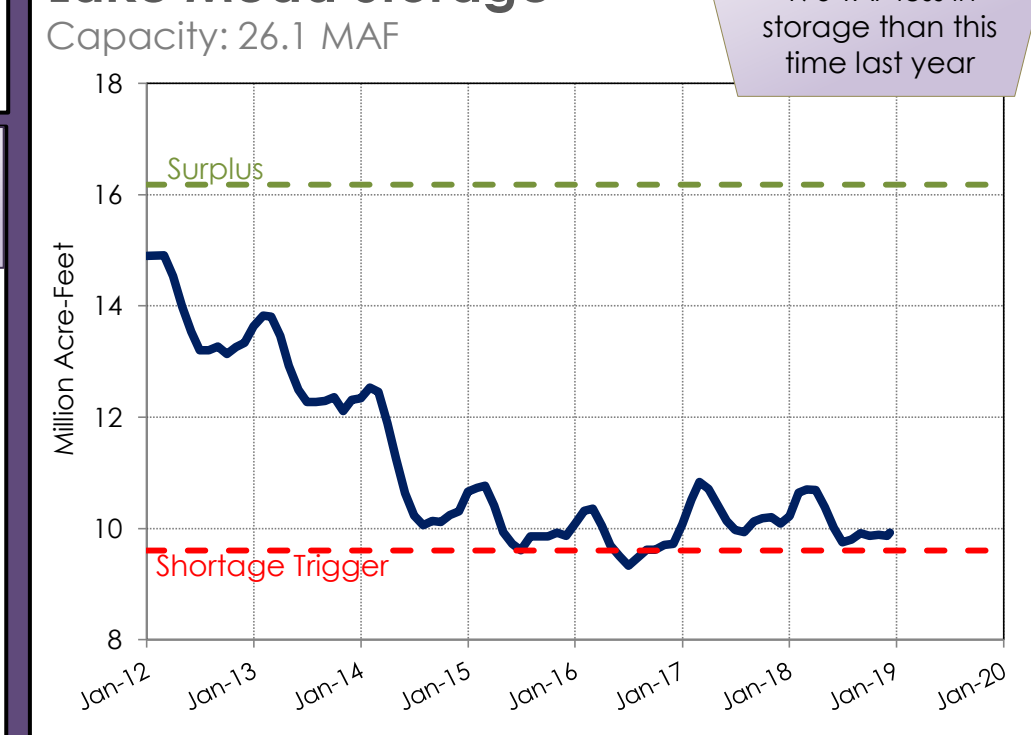


## Lake Mead Shortage/Surplus Outlook

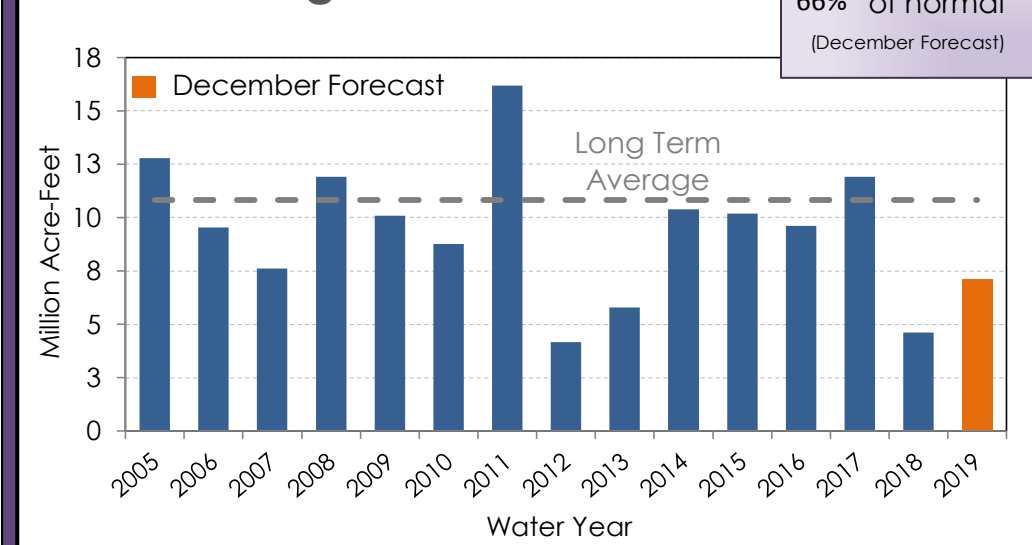
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

Likelihood based on results from the August 2018 CRSS model run.

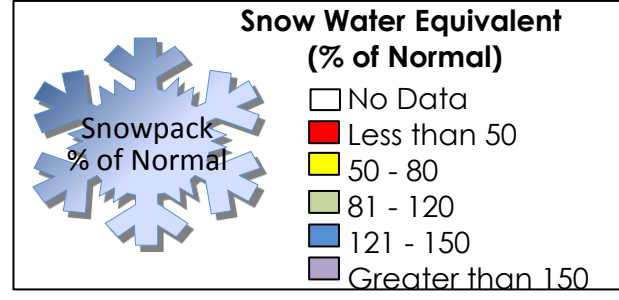
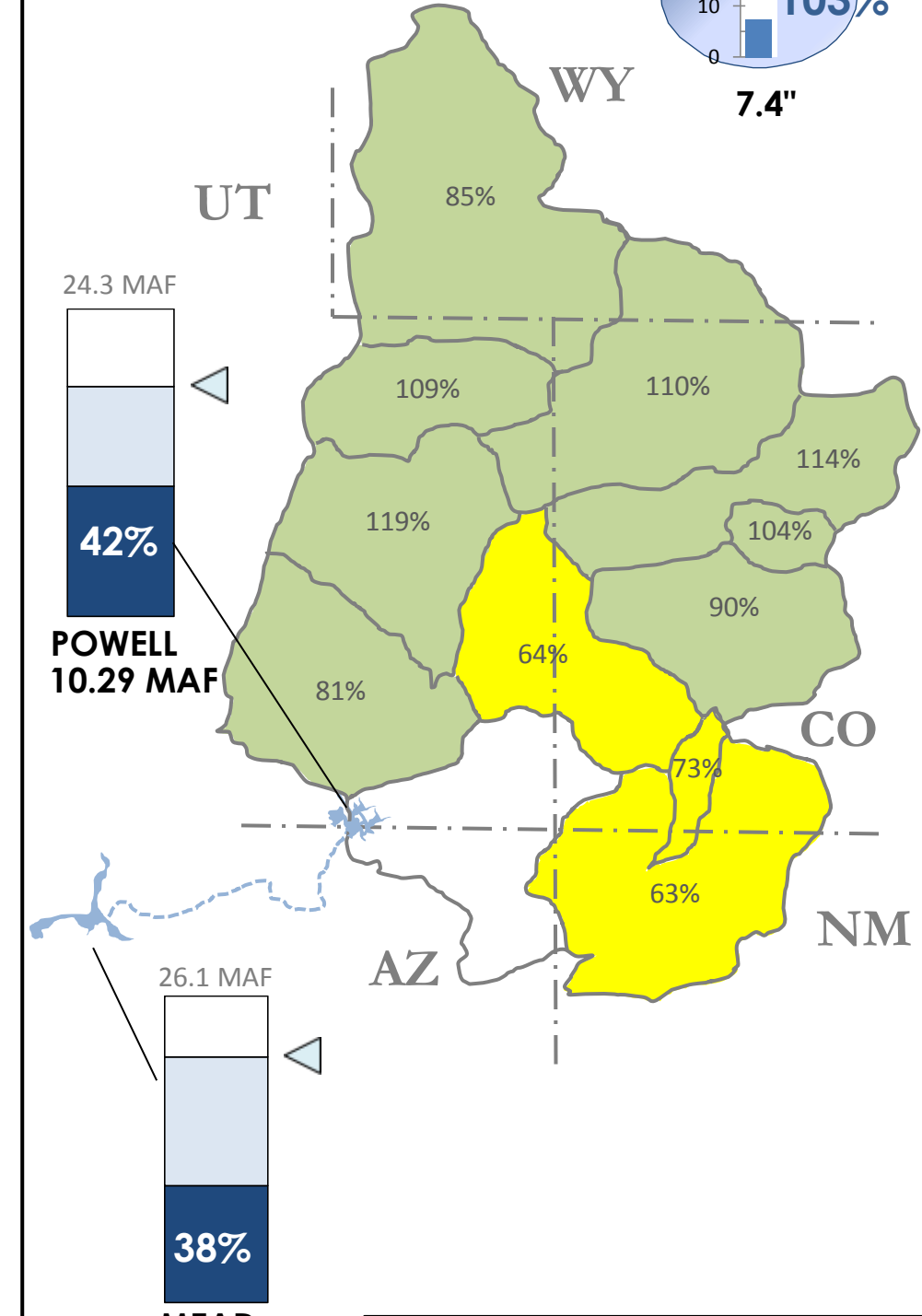
## Lake Mead Storage



## Powell Unregulated Inflow

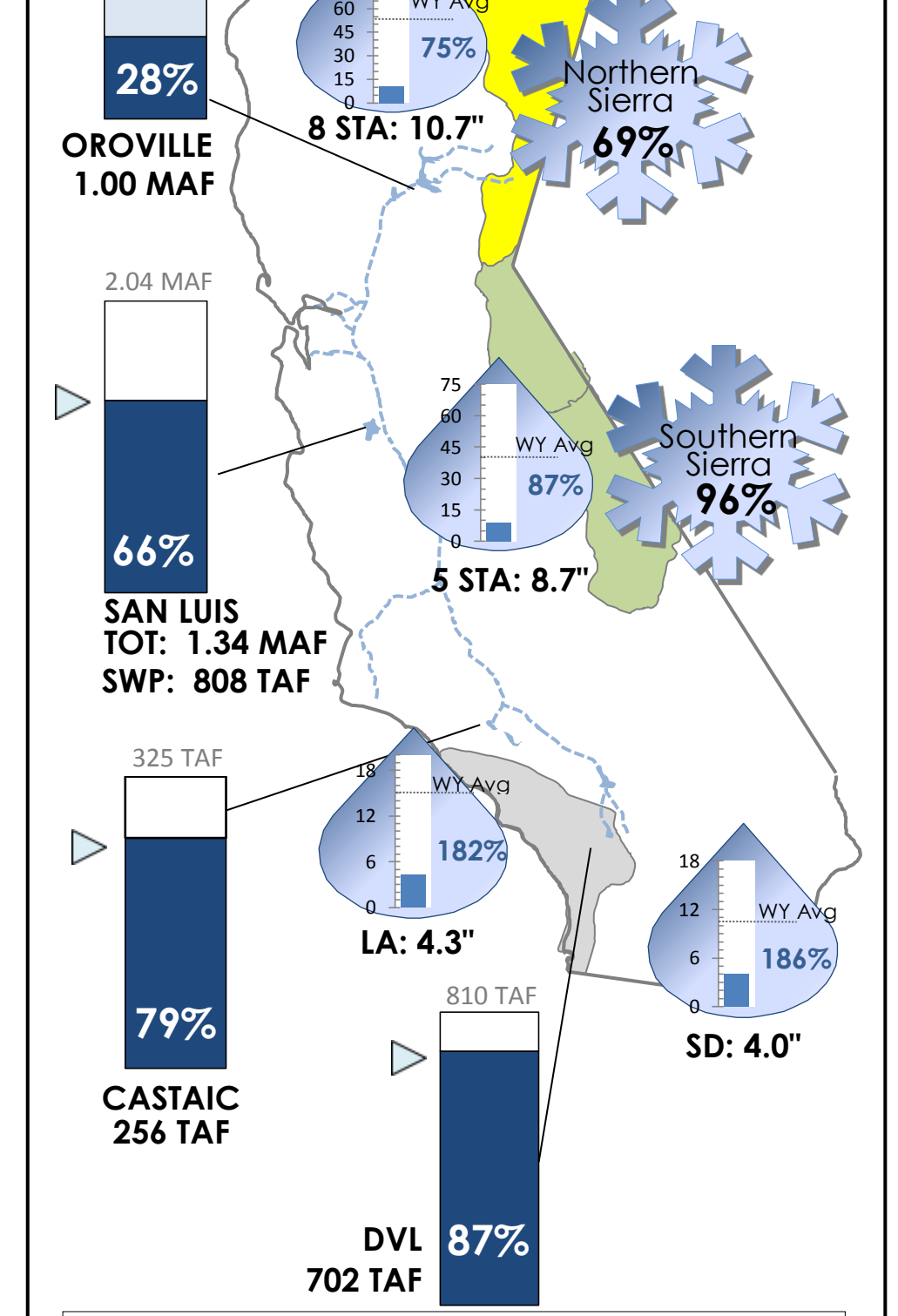
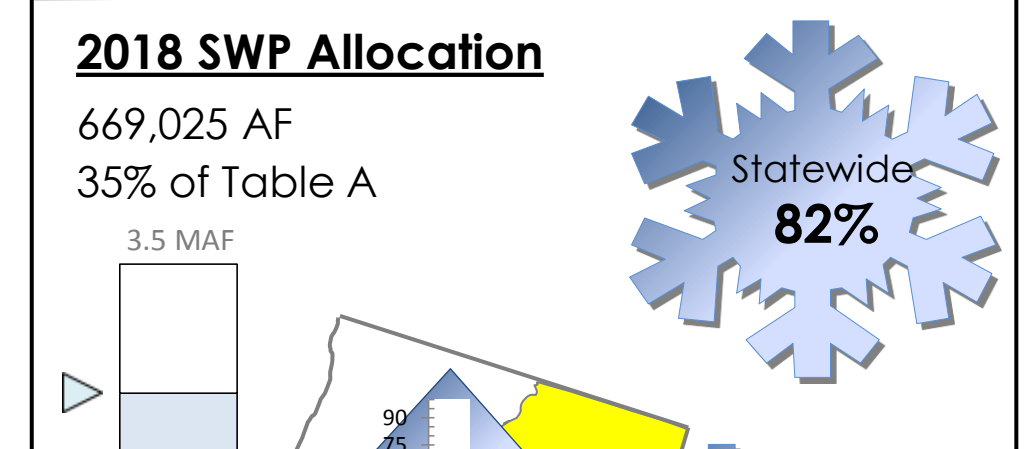
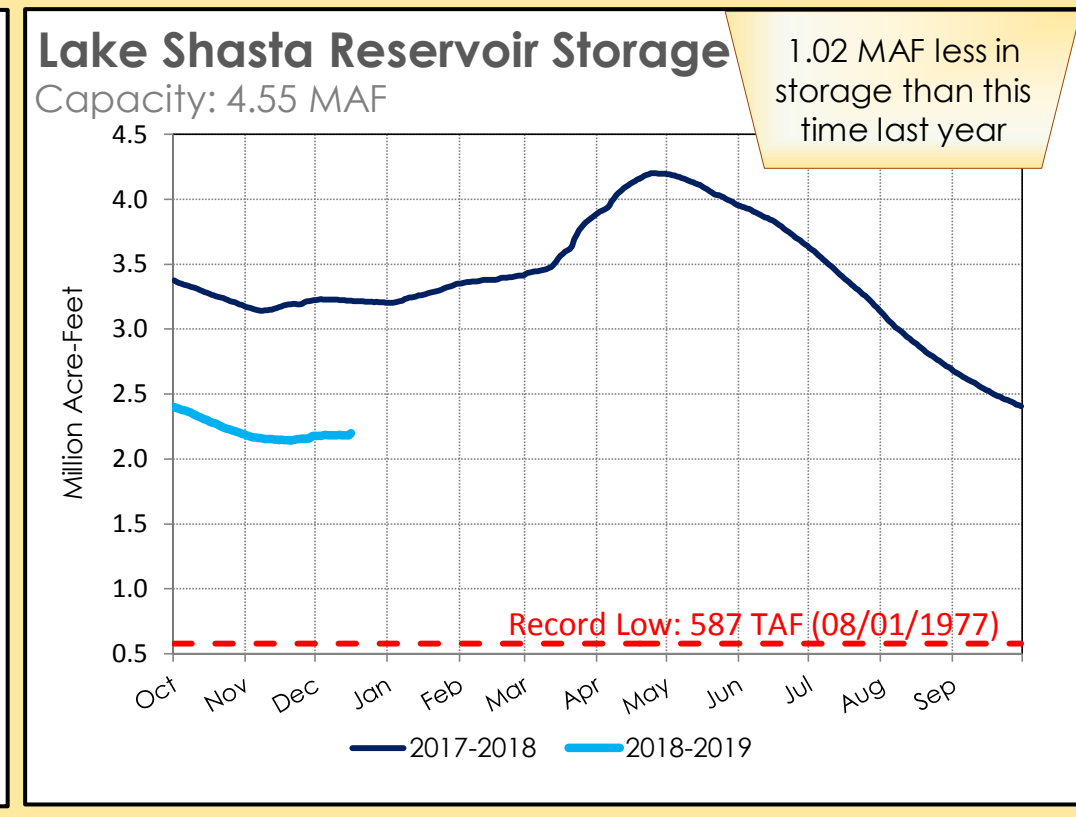
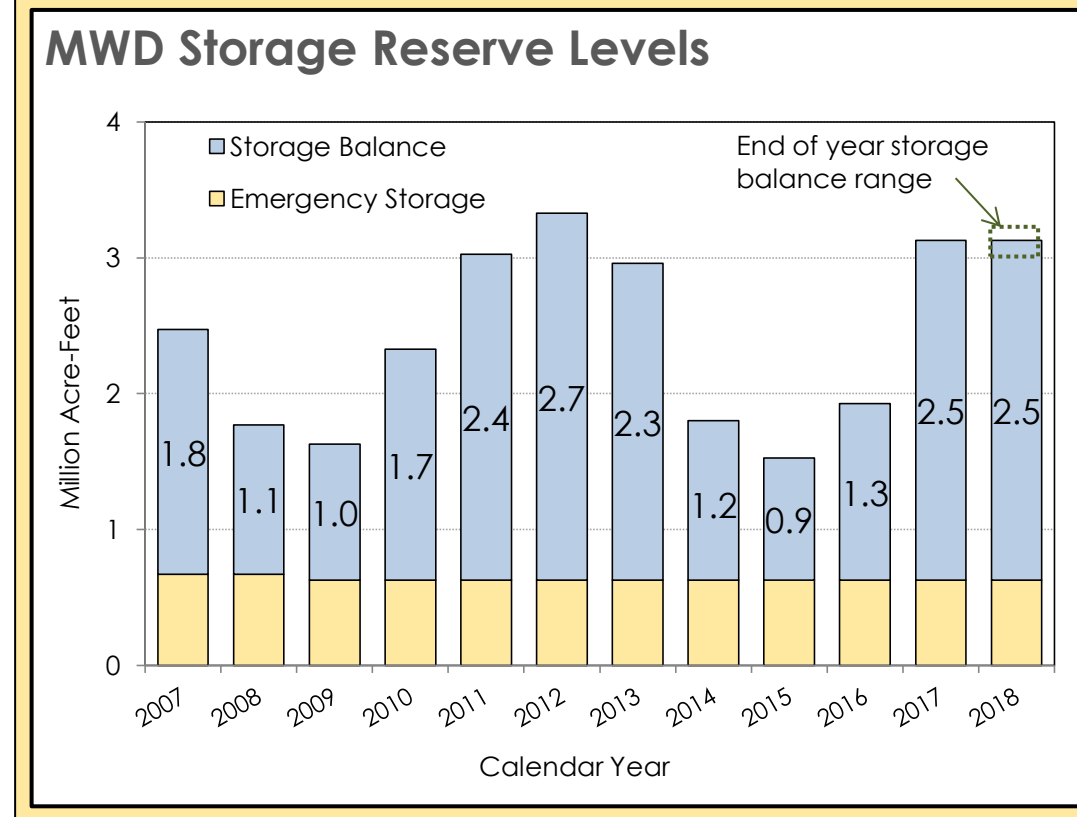
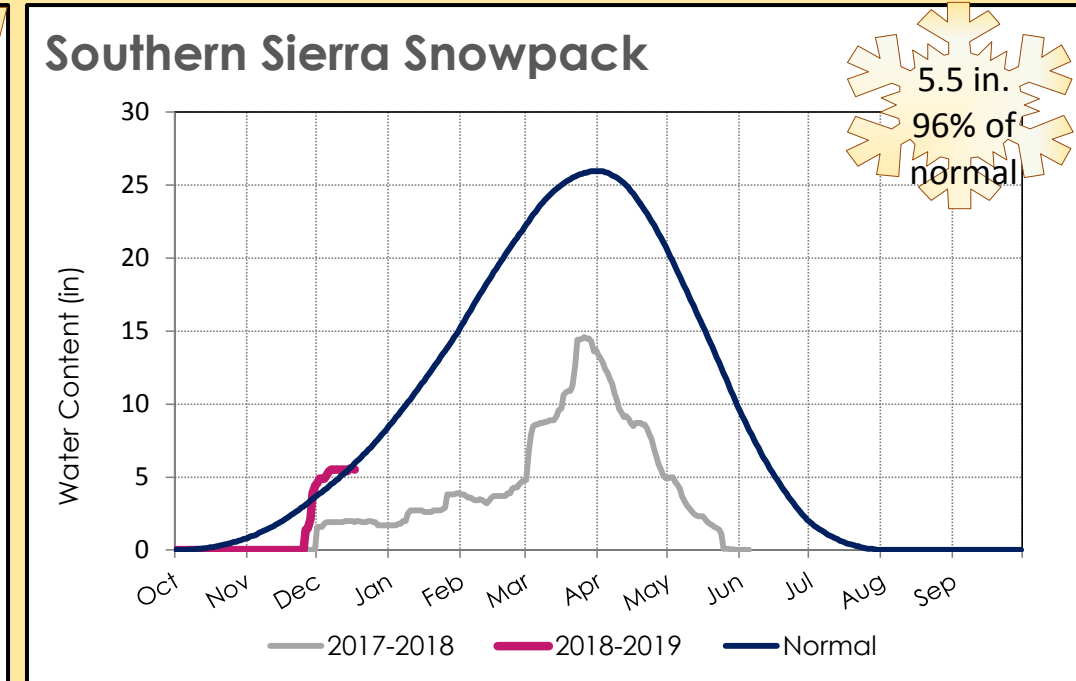
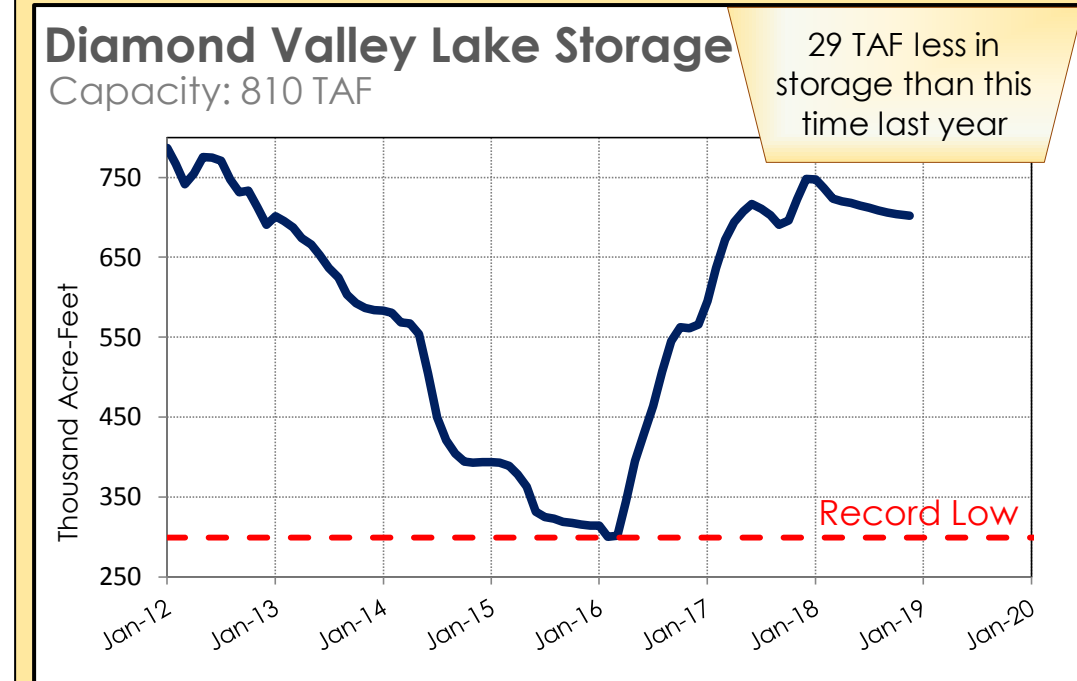






### Highlights

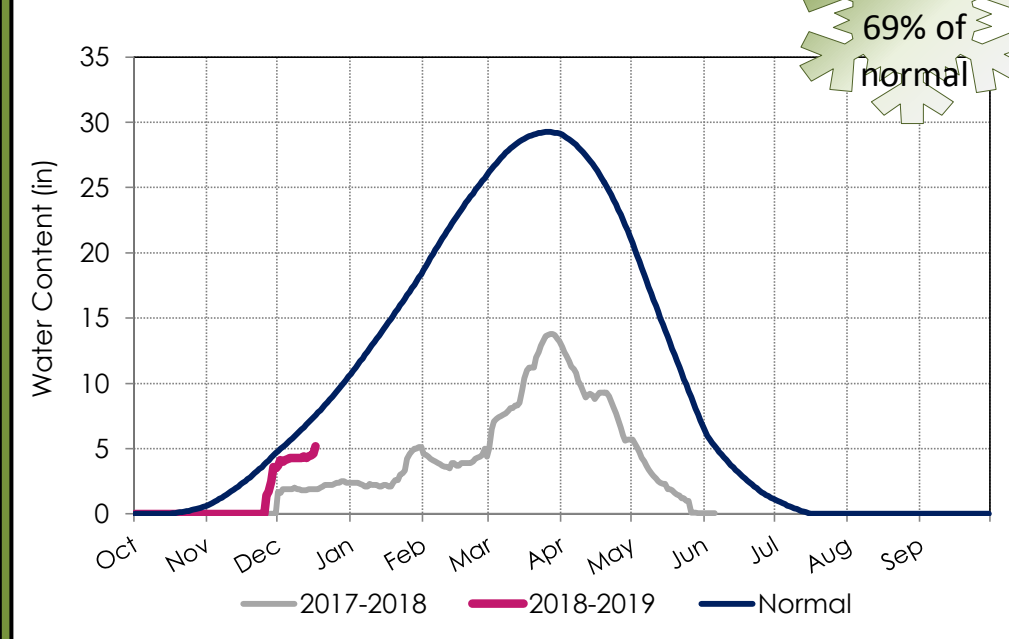
- Northern Sierra snowpack is at 69% of normal
- Northern Sierra precipitation is at 75% of normal
- Upper Colorado River Basin snowpack is at 94% of normal



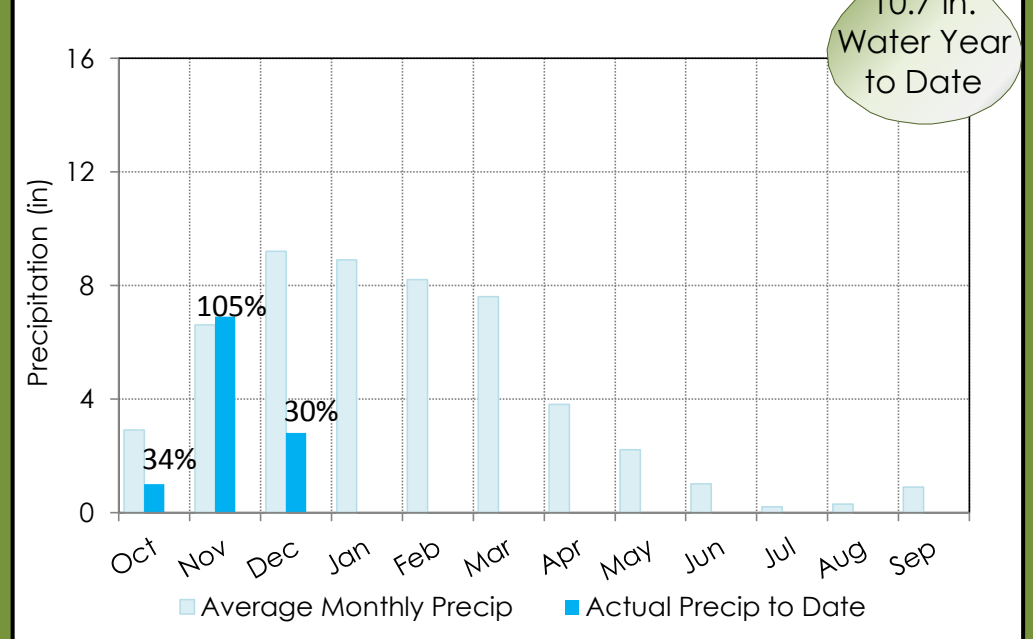
As of: 12/16/2018

# State Water Project Resources

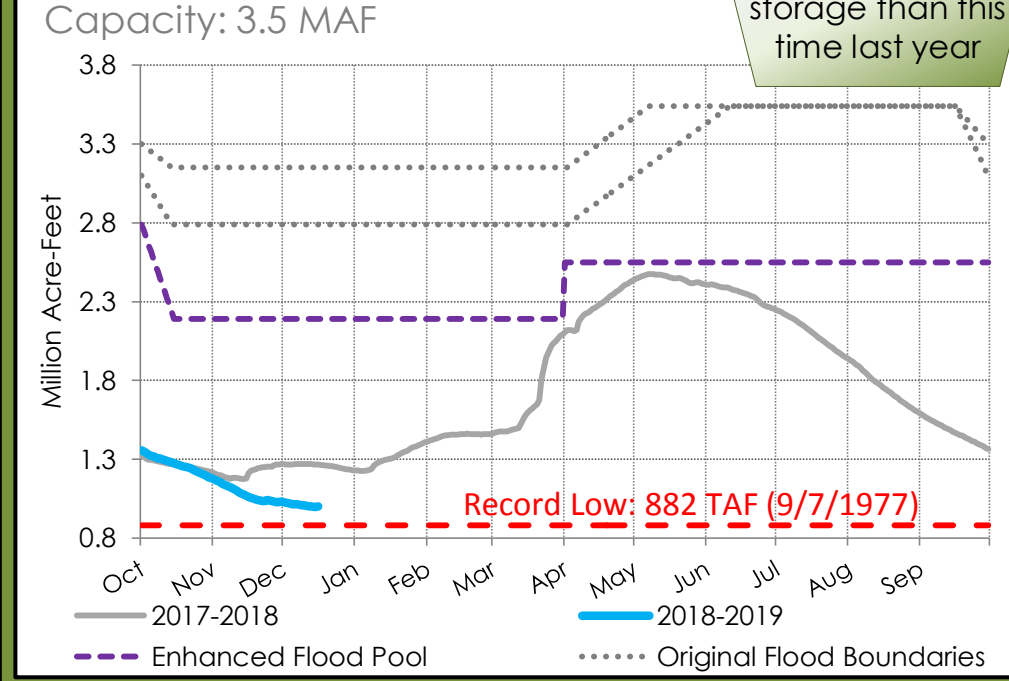
## Northern Sierra Snowpack



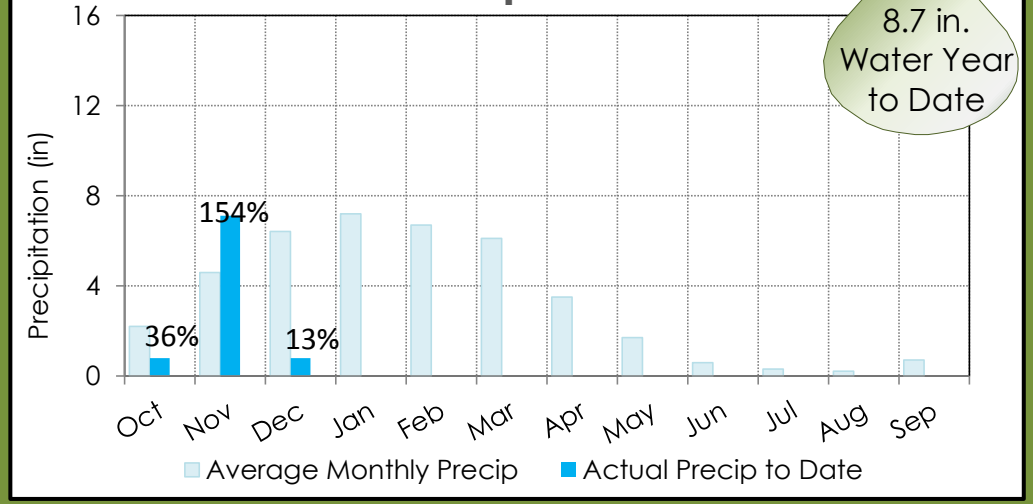
## 8 Station Index Precip



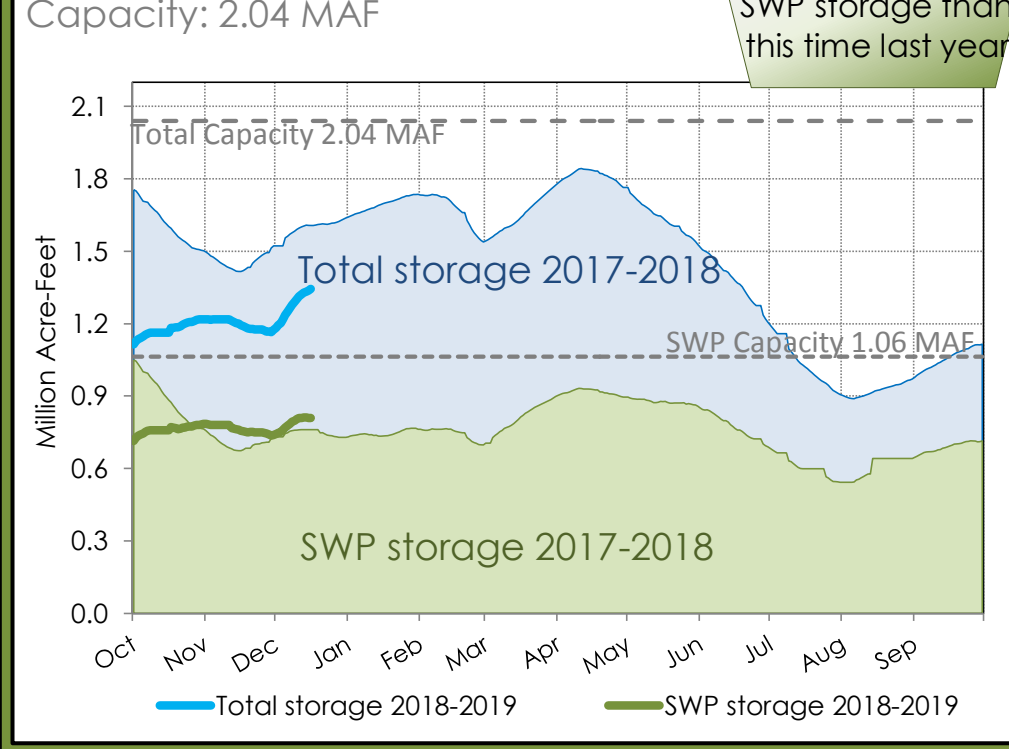
## Oroville Reservoir Storage



## 5 Station Index Precip



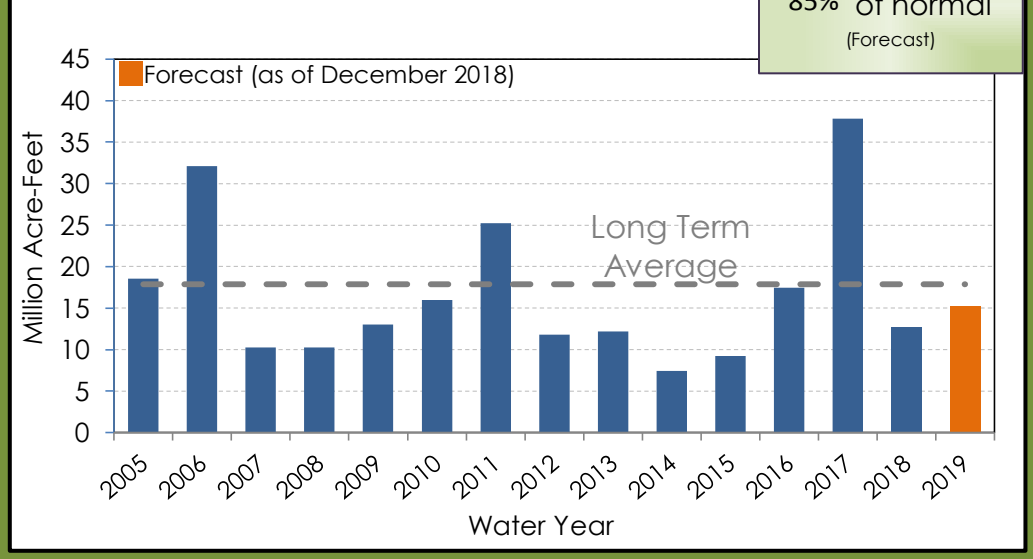
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	14,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

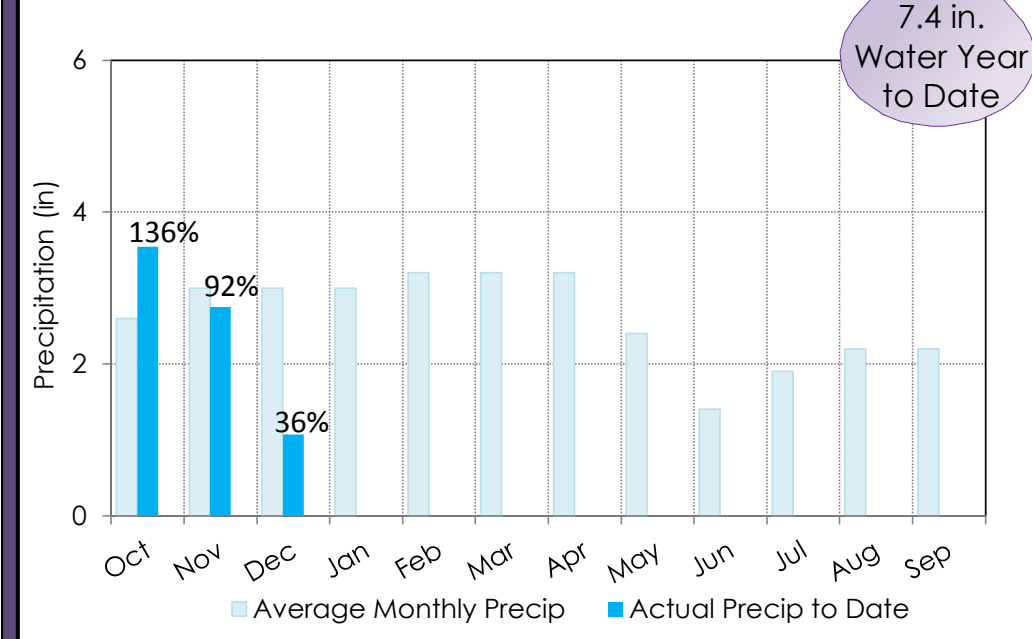
## Sacramento River Runoff



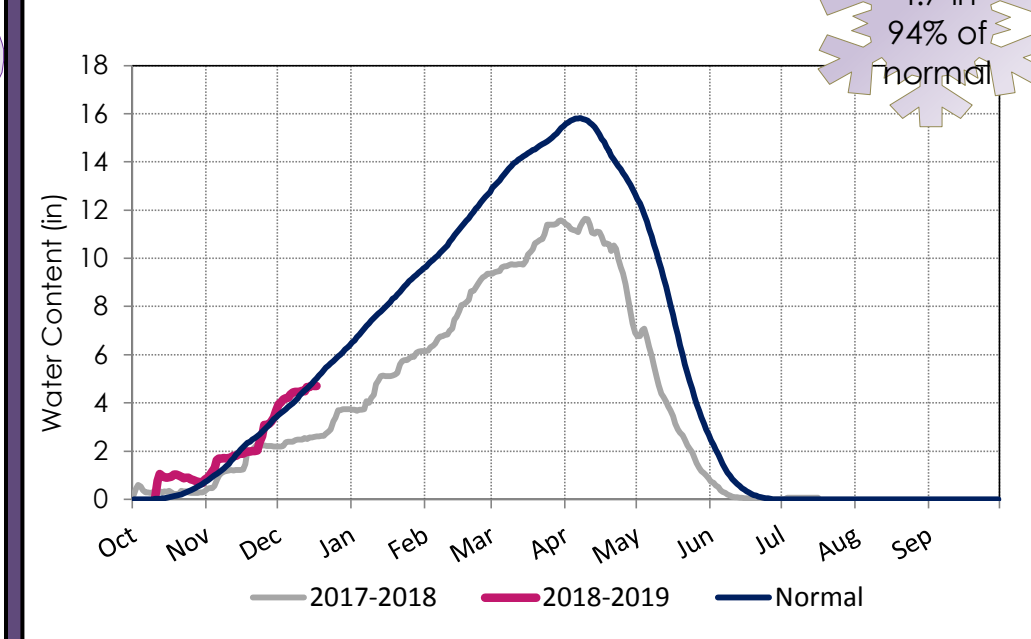
# Colorado River Resources

As of: 12/16/2018

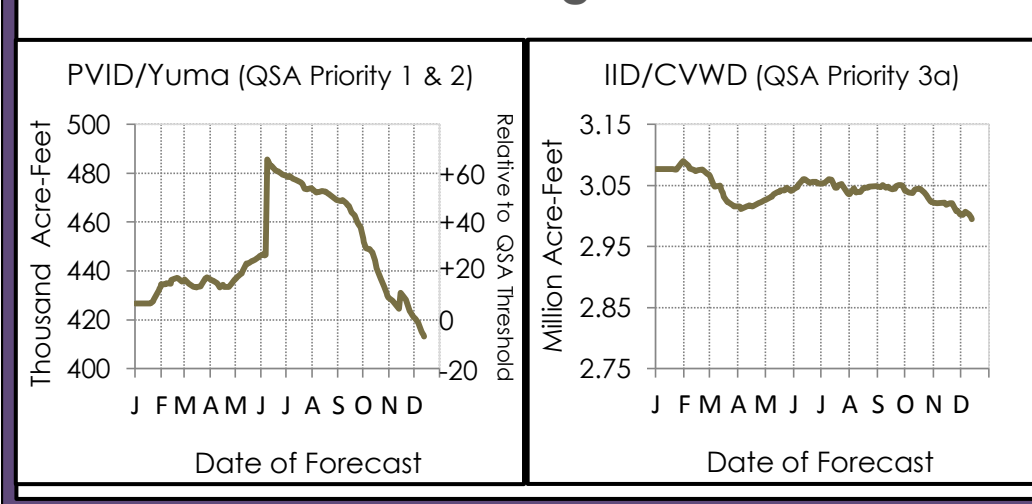
## Upper Colorado Basin Precip



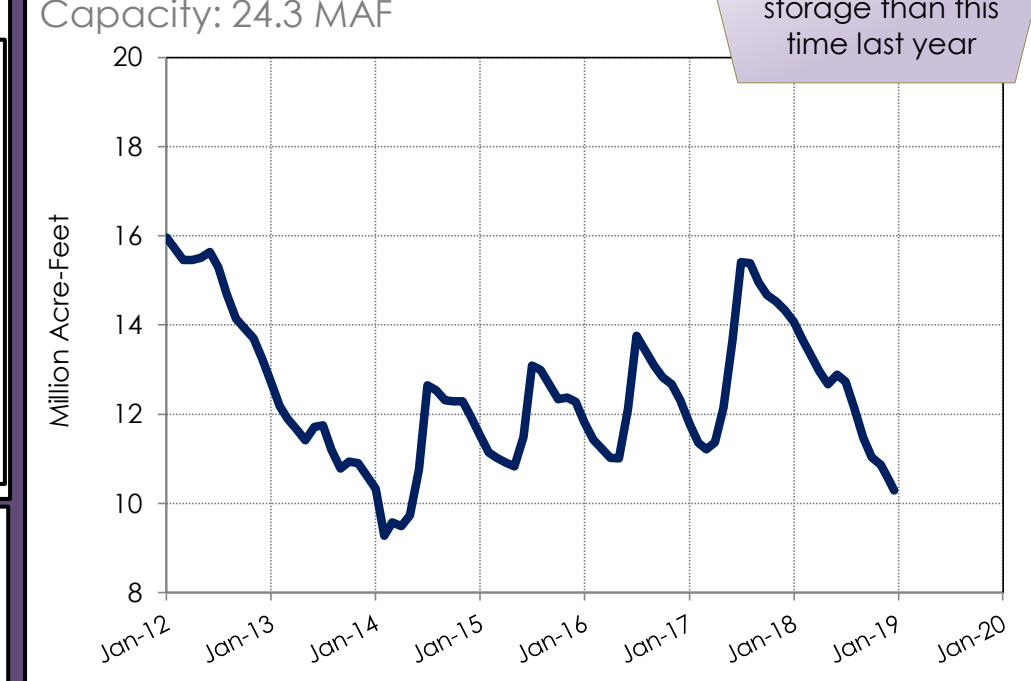
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

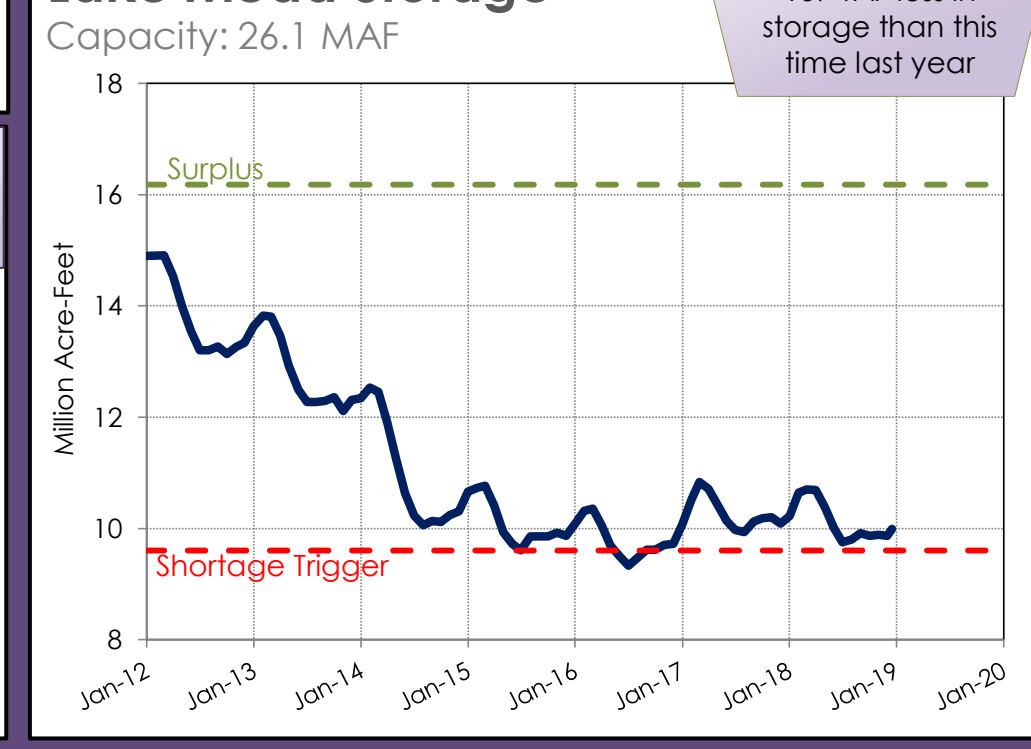


## Lake Mead Shortage/Surplus Outlook

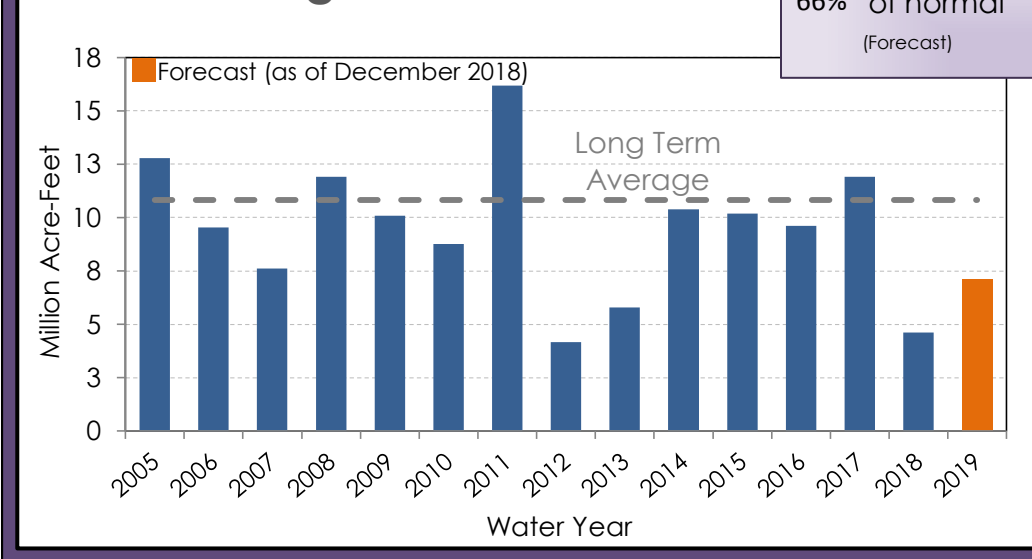
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

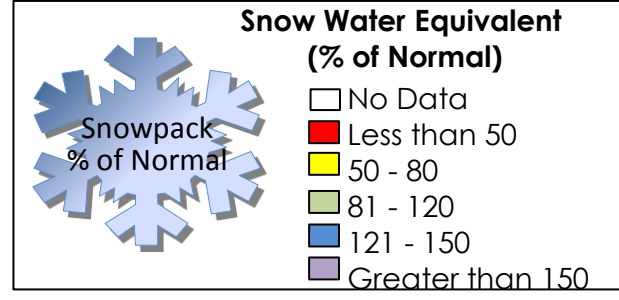
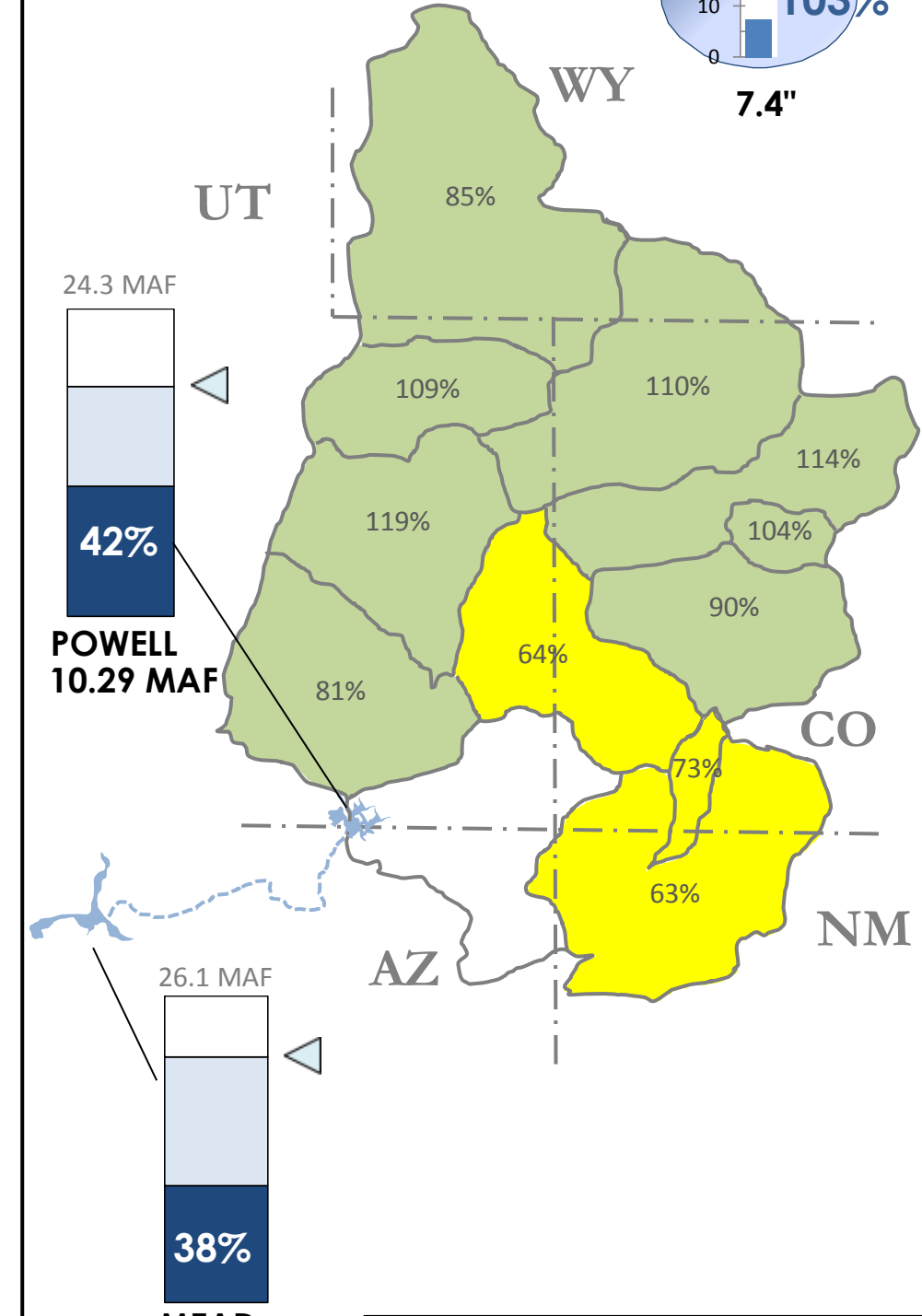
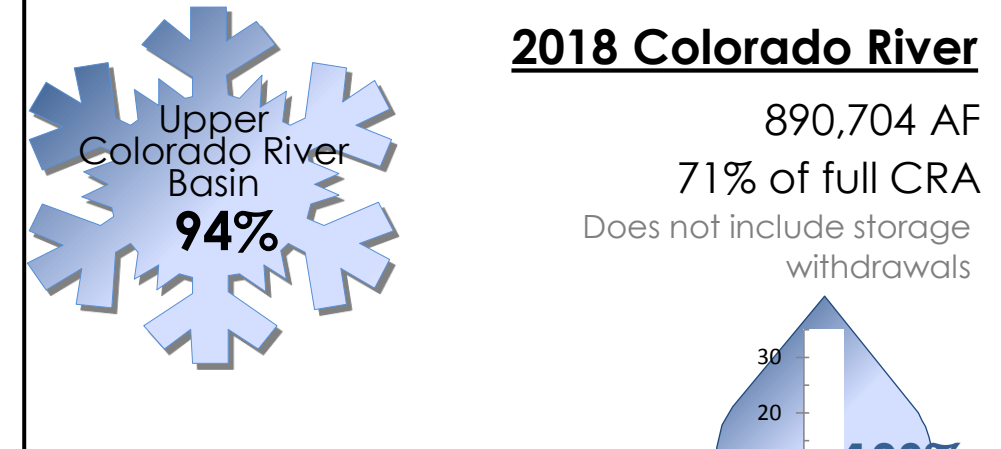
Likelihood based on results from the August 2018 CRSS model run.

## Lake Mead Storage



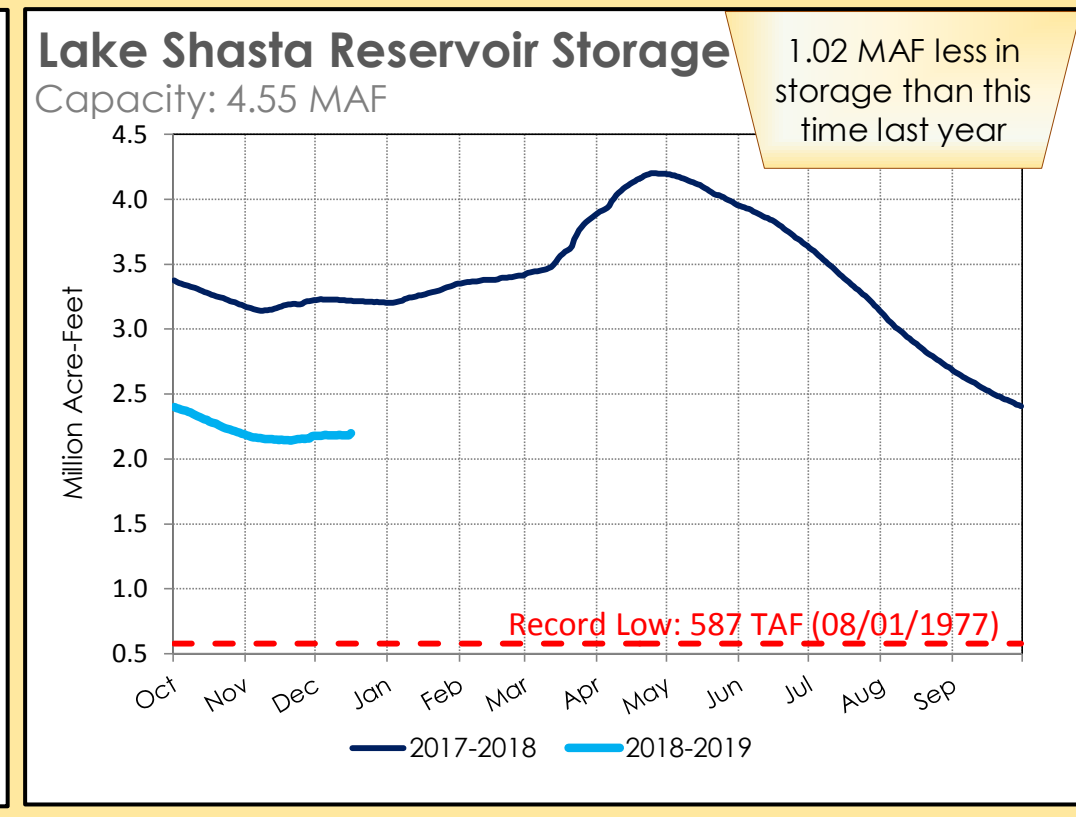
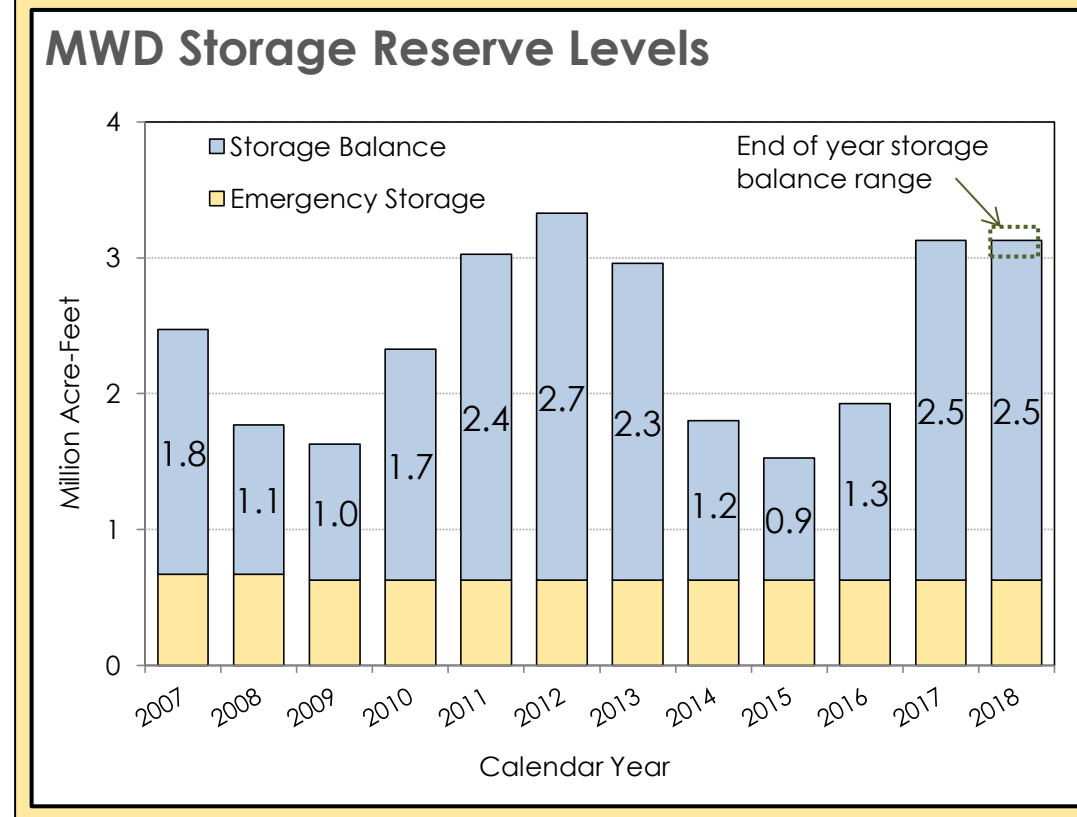
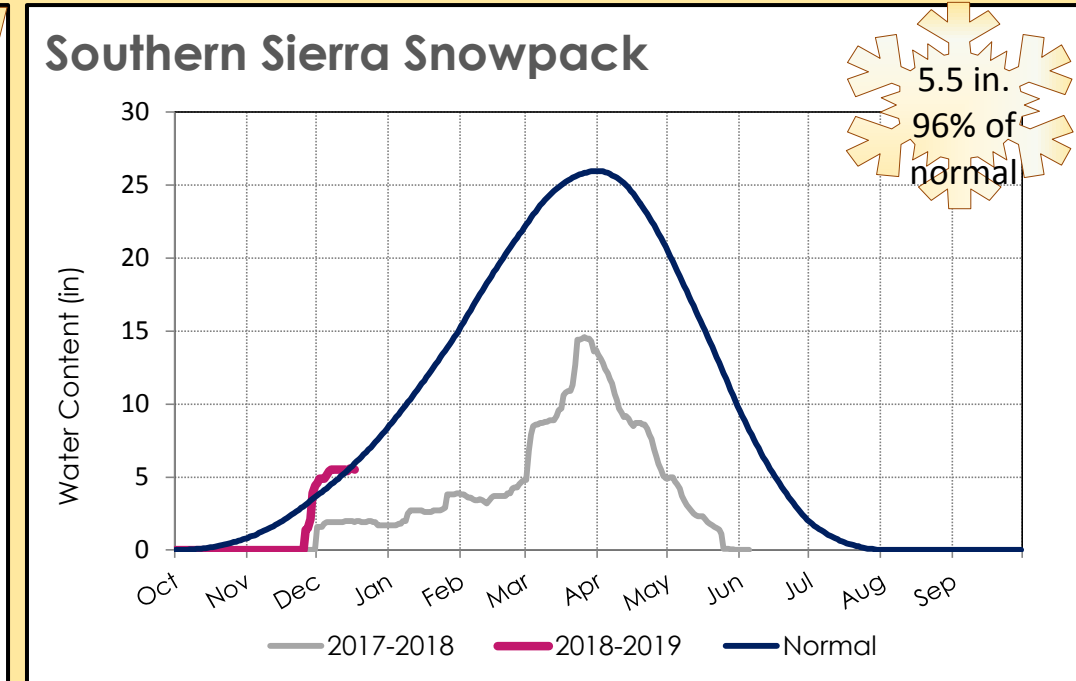
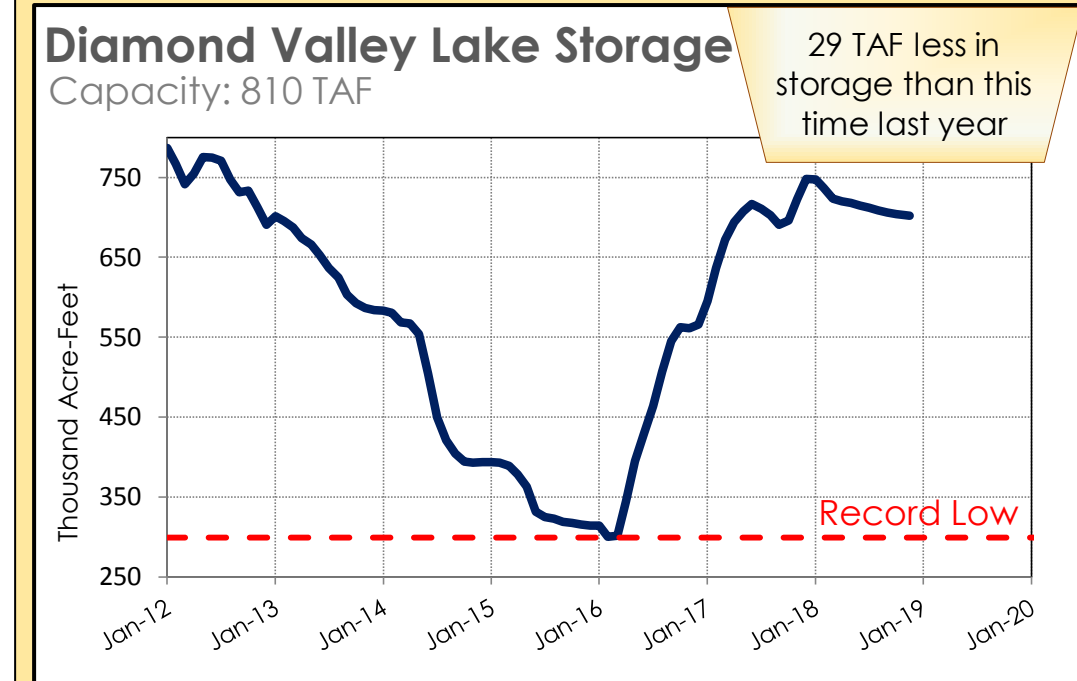
## Powell Unregulated Inflow





### Highlights

- Northern Sierra snowpack is at 69% of normal
- Northern Sierra precipitation is at 75% of normal
- Upper Colorado River Basin snowpack is at 94% of normal



**2018 SWP Allocation**  
669,025 AF  
35% of Table A  
Statewide **82%**

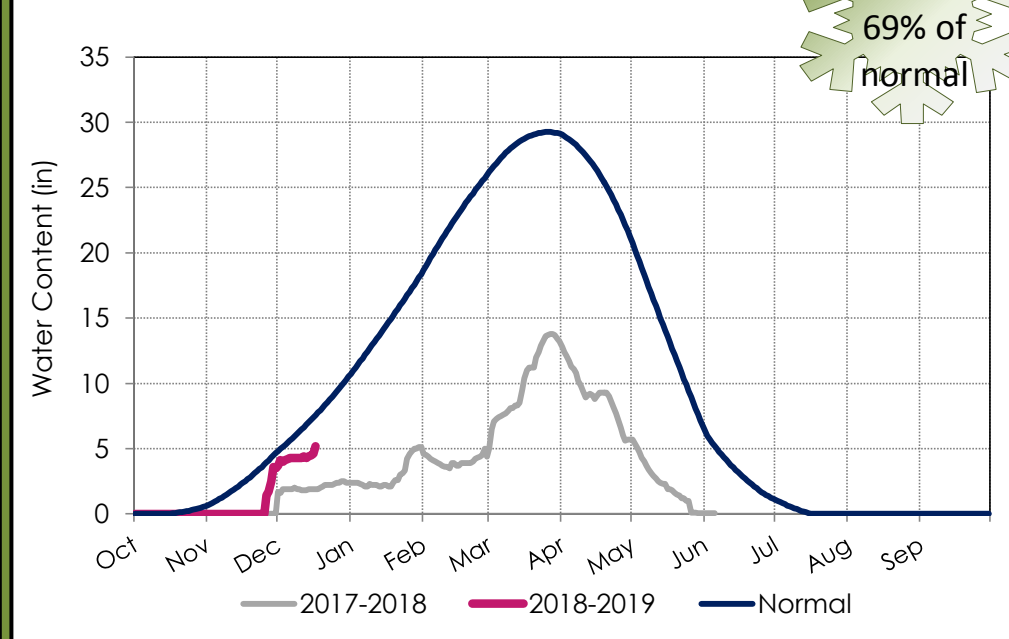
**OROVILLE** 1.00 MAF  
**SAN LUIS** TOT: 1.34 MAF SWP: 808 TAF  
**CASTAIC** 256 TAF  
**DVL** 702 TAF  
**Northern Sierra** 69%  
**Southern Sierra** 96%  
**LA** 4.3" 182%  
**SD** 4.0" 186%

Legend:  
Rainfall to Date (in) | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

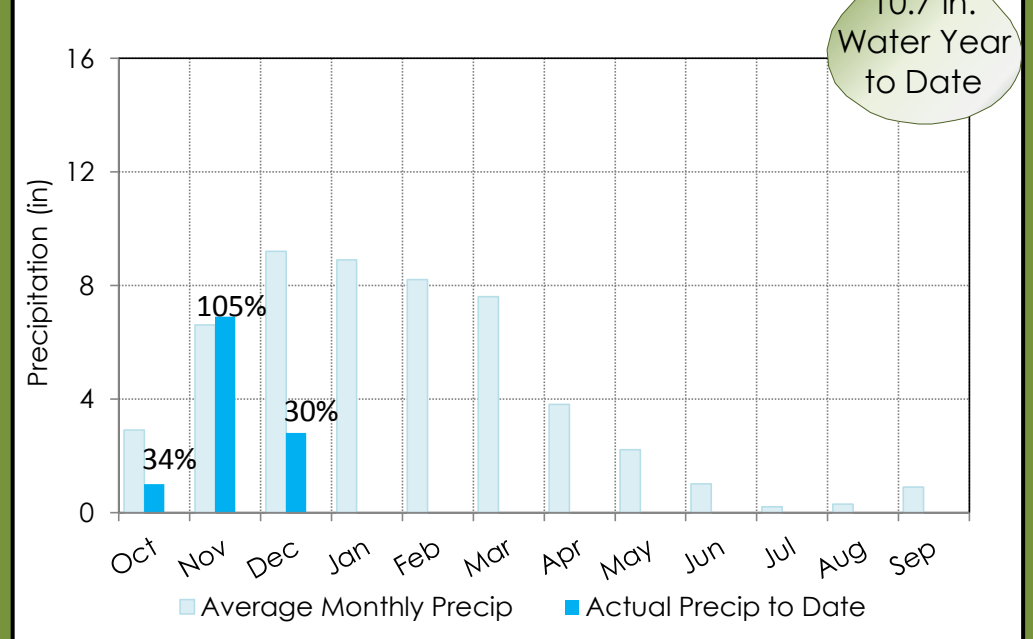
As of: 12/16/2018

# State Water Project Resources

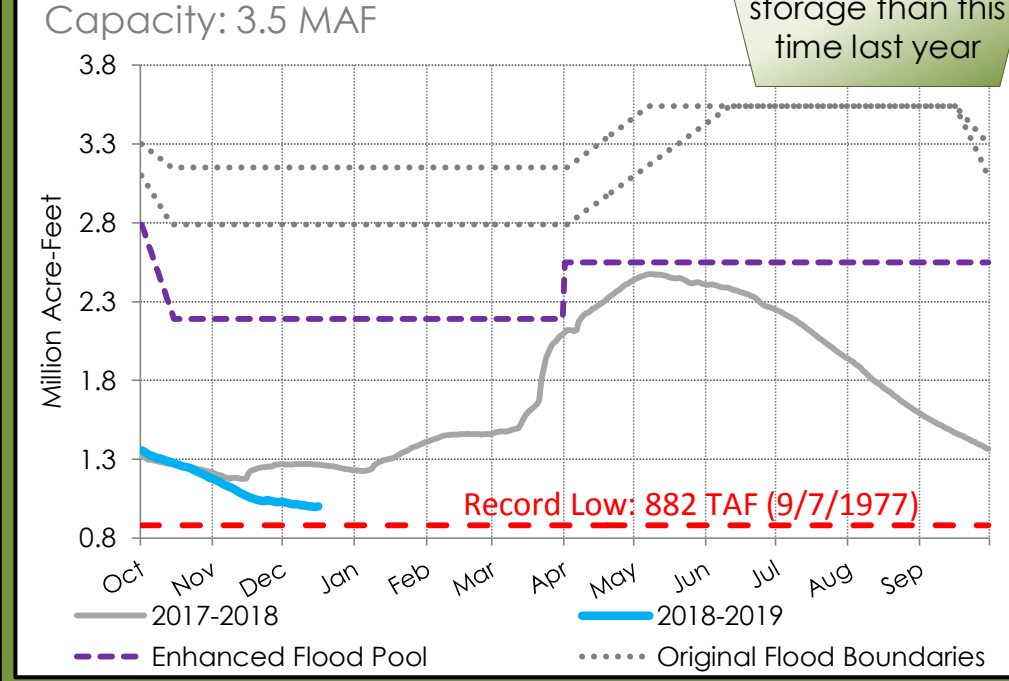
## Northern Sierra Snowpack



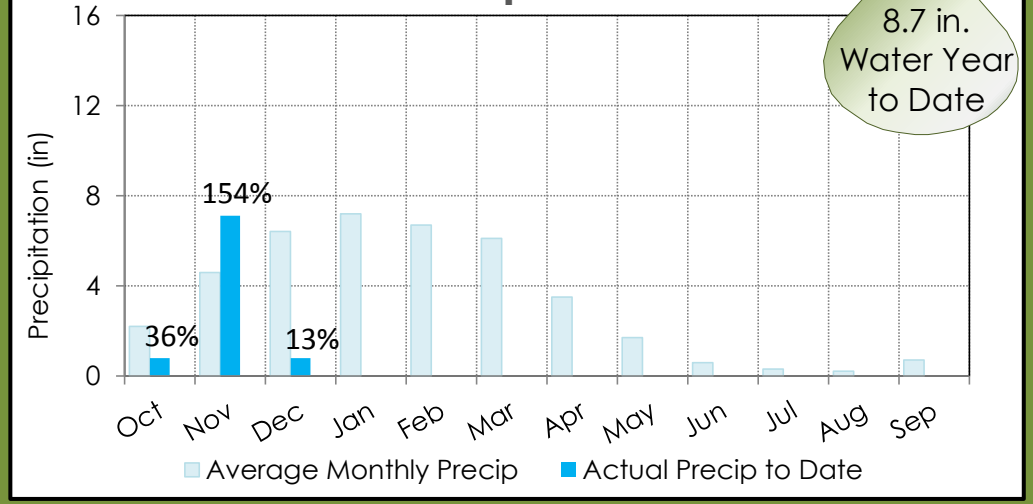
## 8 Station Index Precip



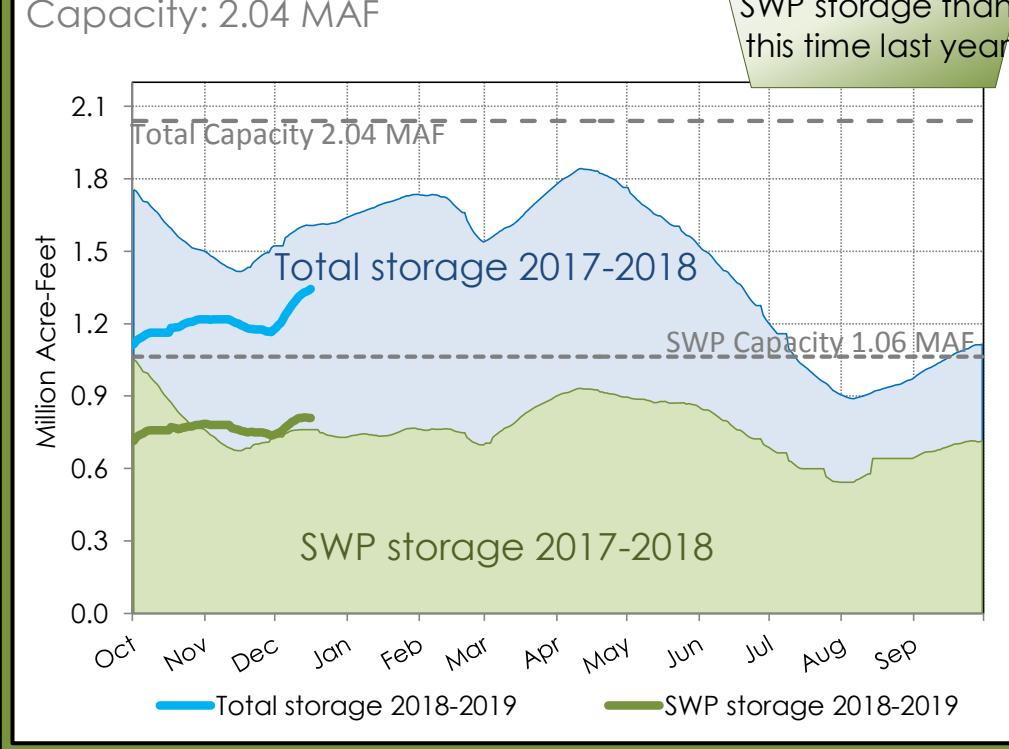
## Oroville Reservoir Storage



## 5 Station Index Precip



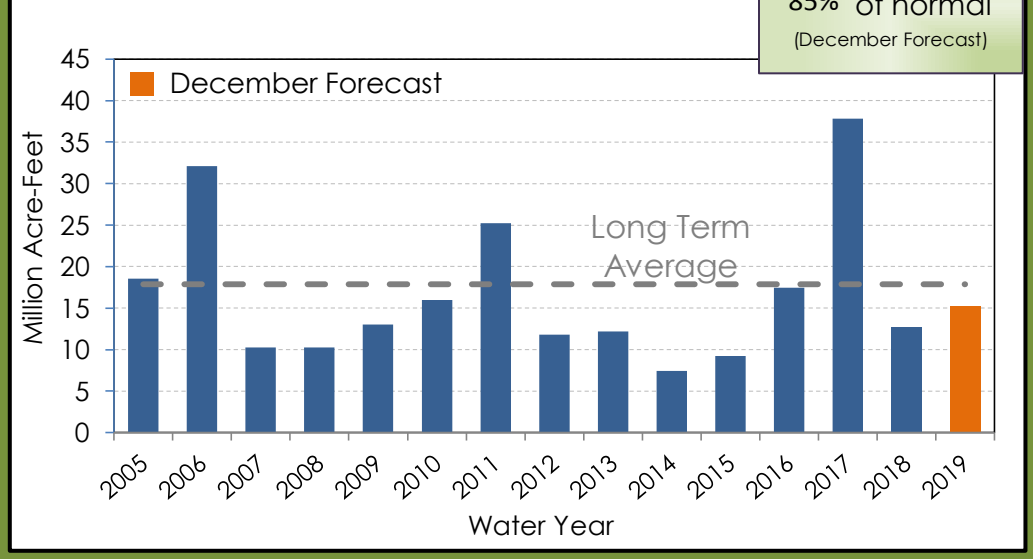
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	14,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

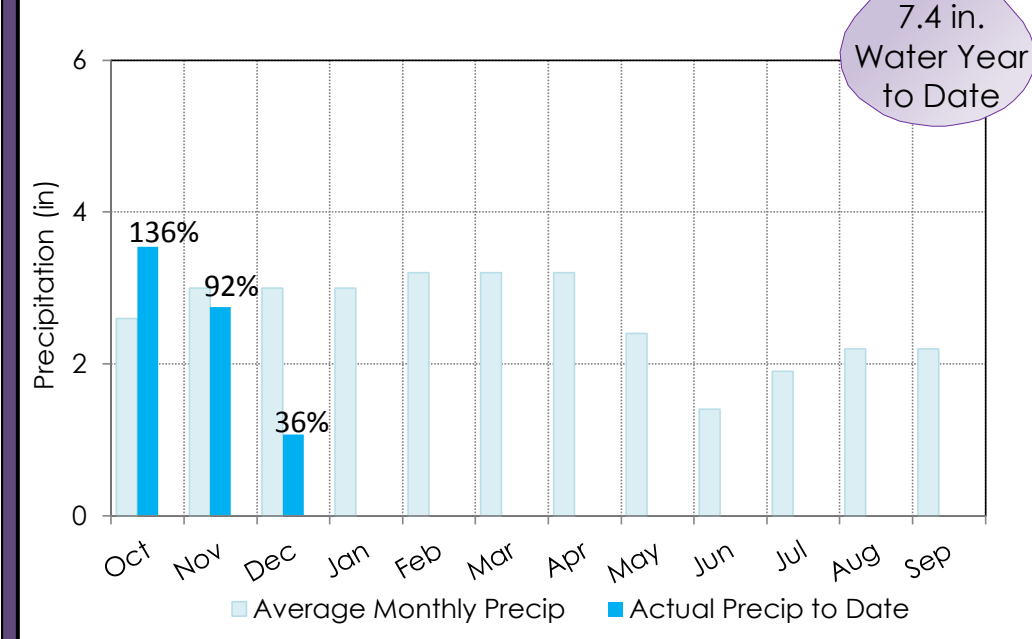
## Sacramento River Runoff



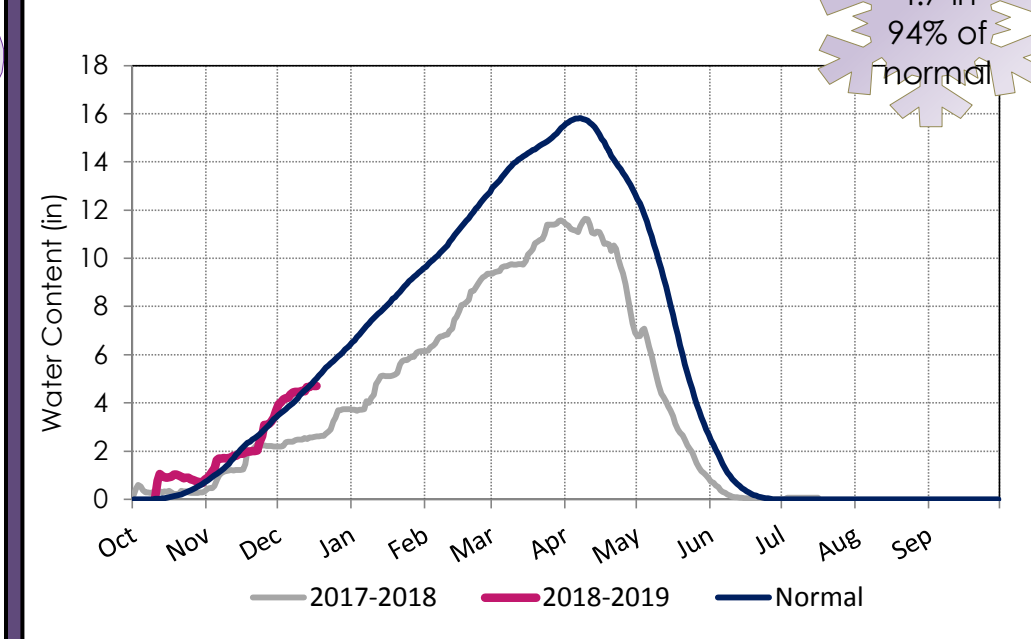
# Colorado River Resources

As of: 12/16/2018

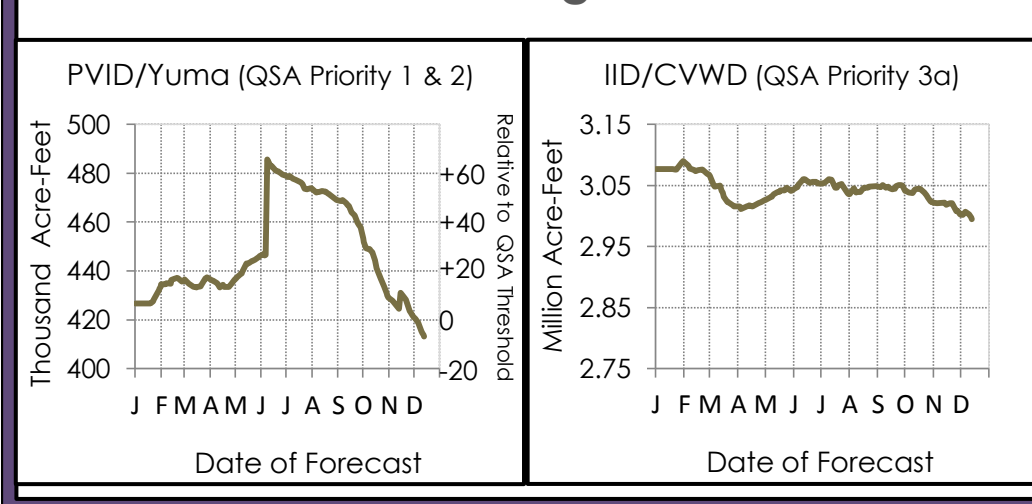
## Upper Colorado Basin Precip



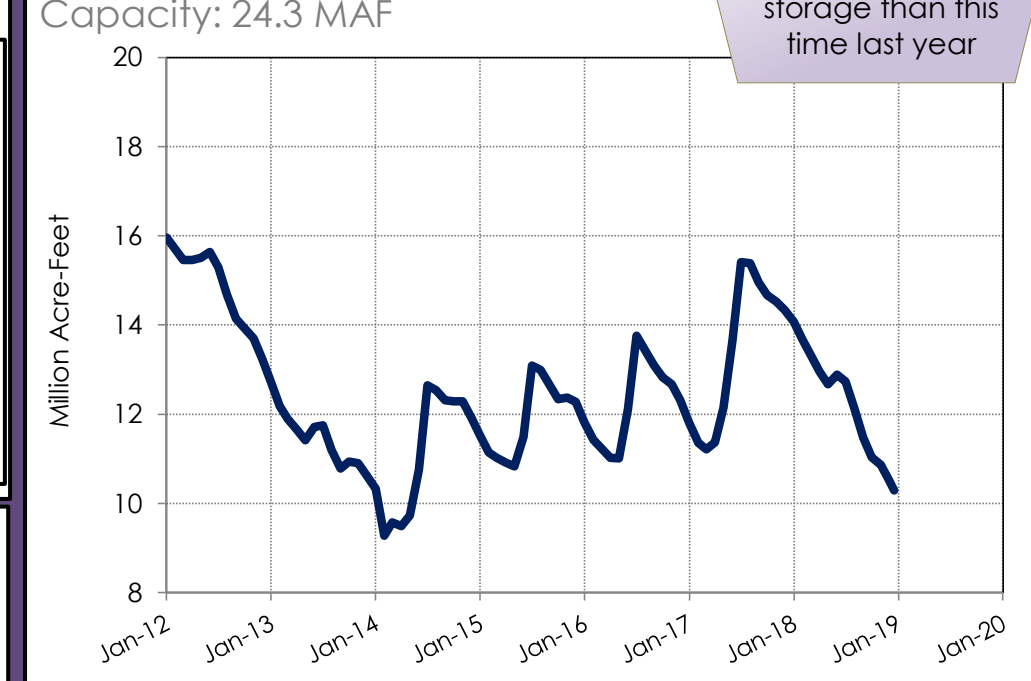
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

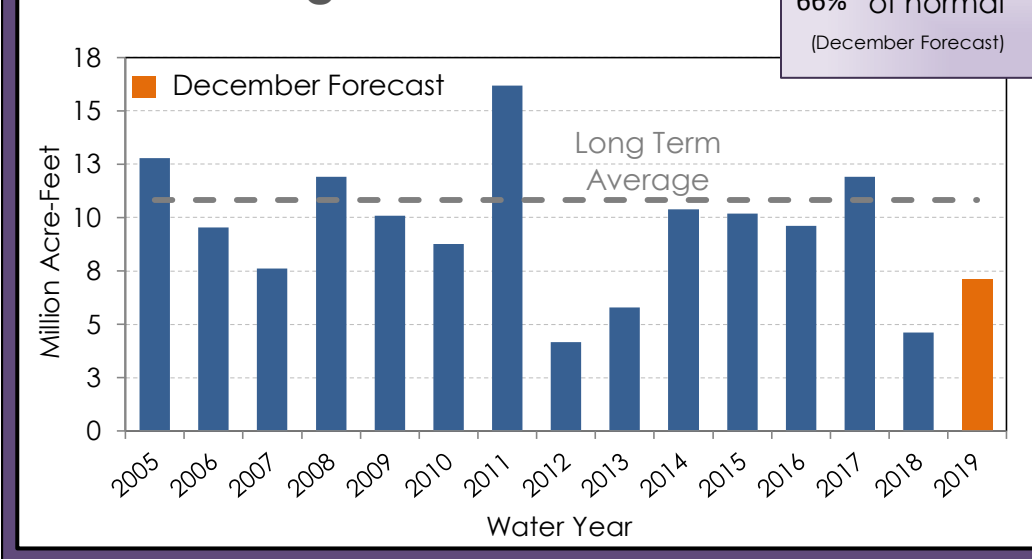


## Lake Mead Shortage/Surplus Outlook

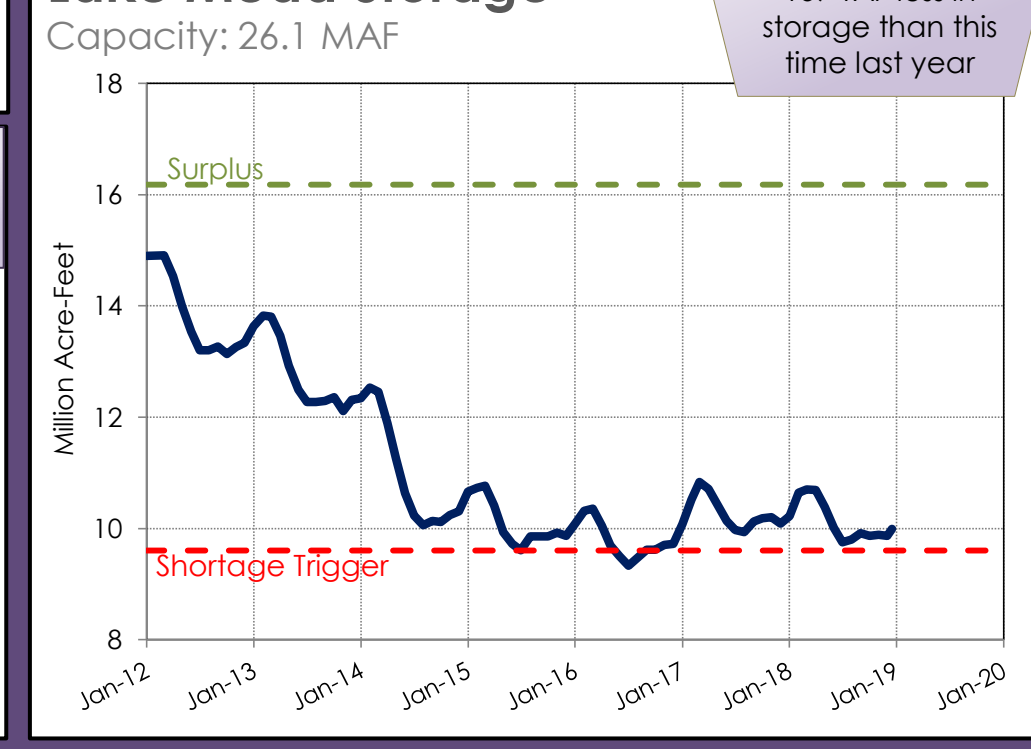
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

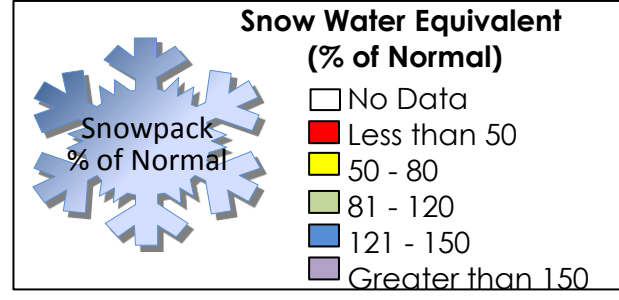
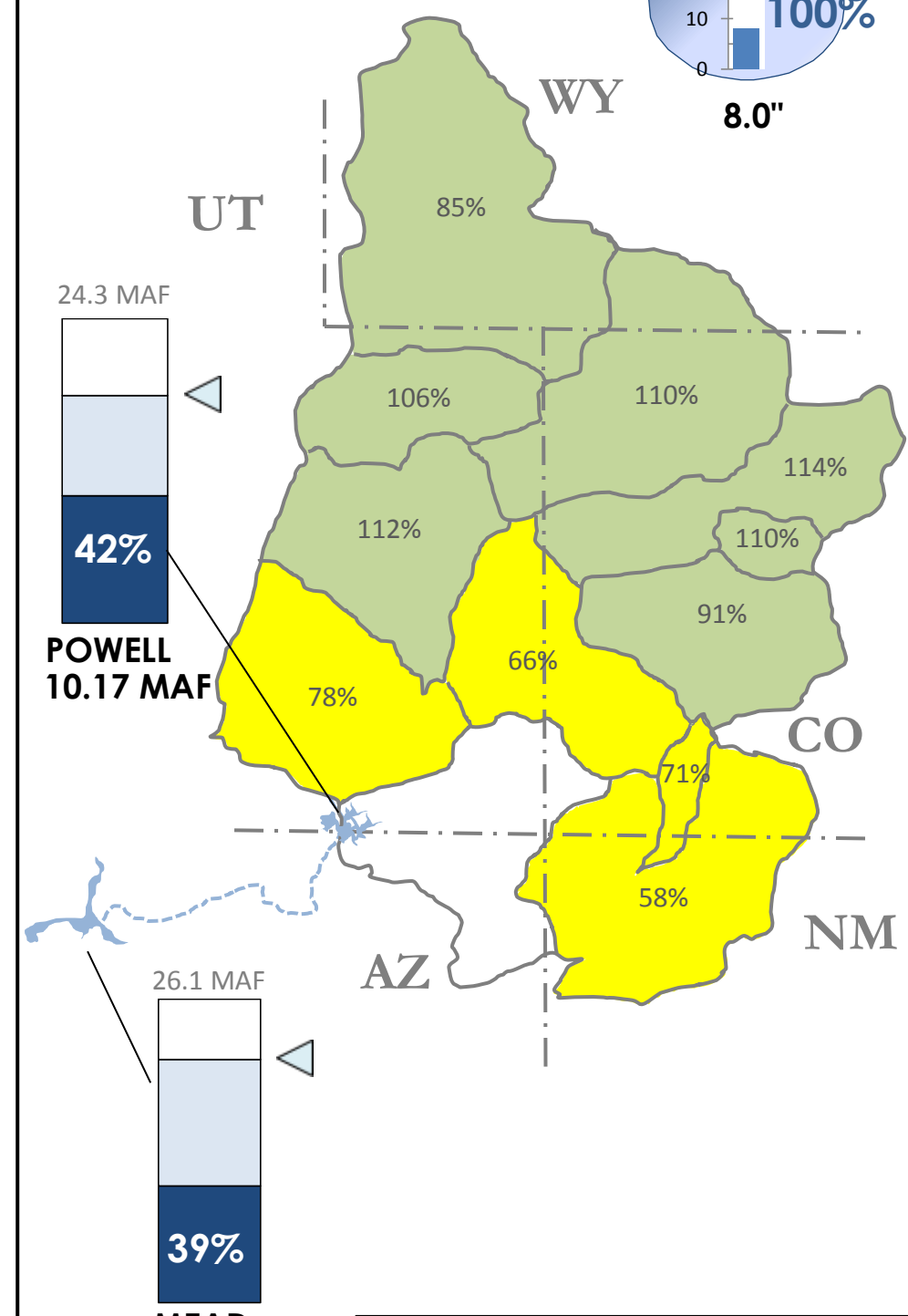
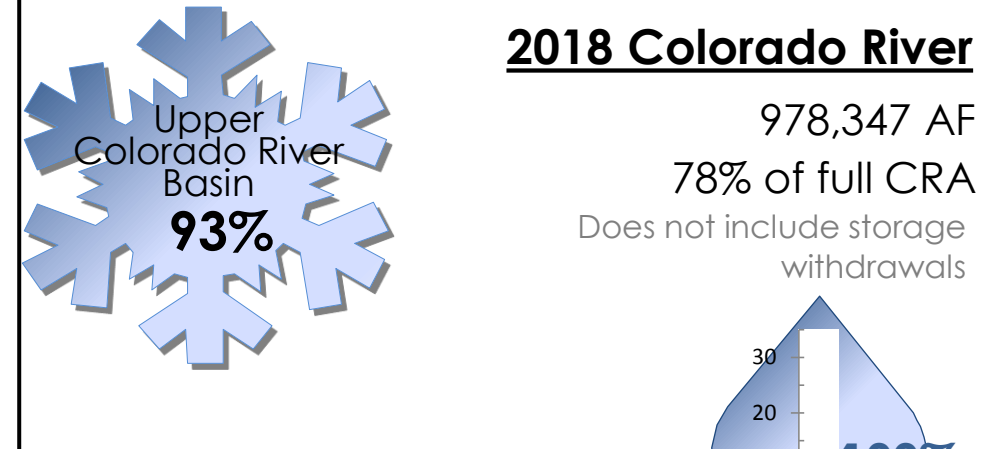
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



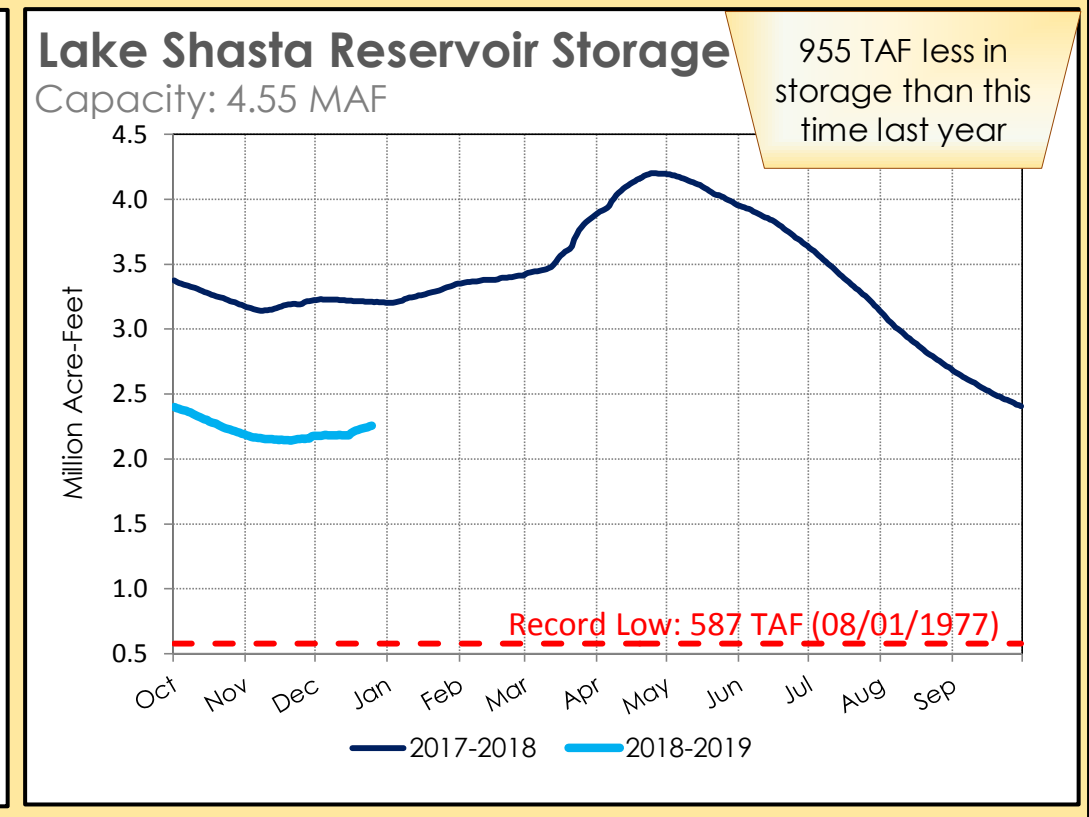
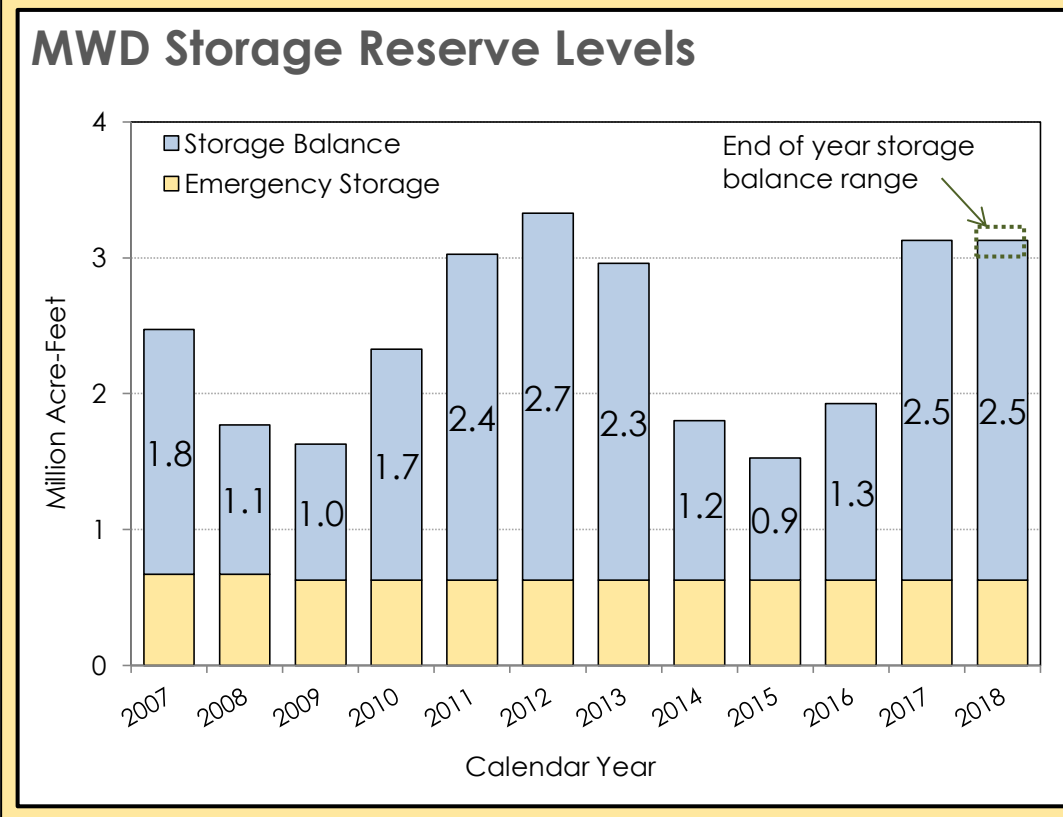
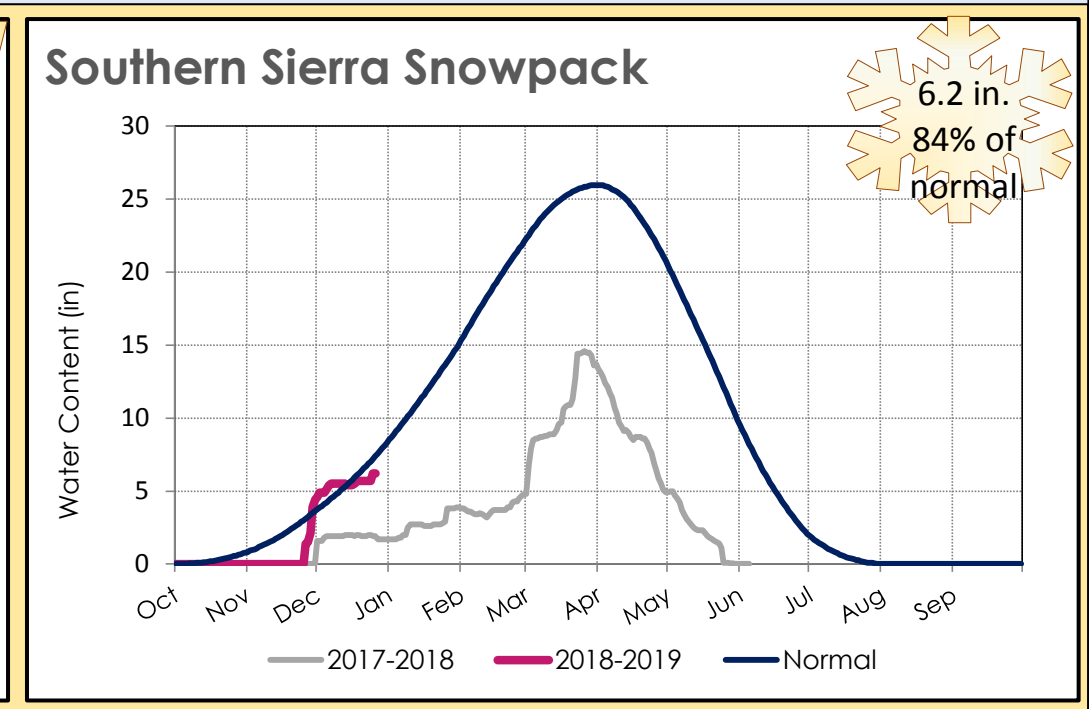
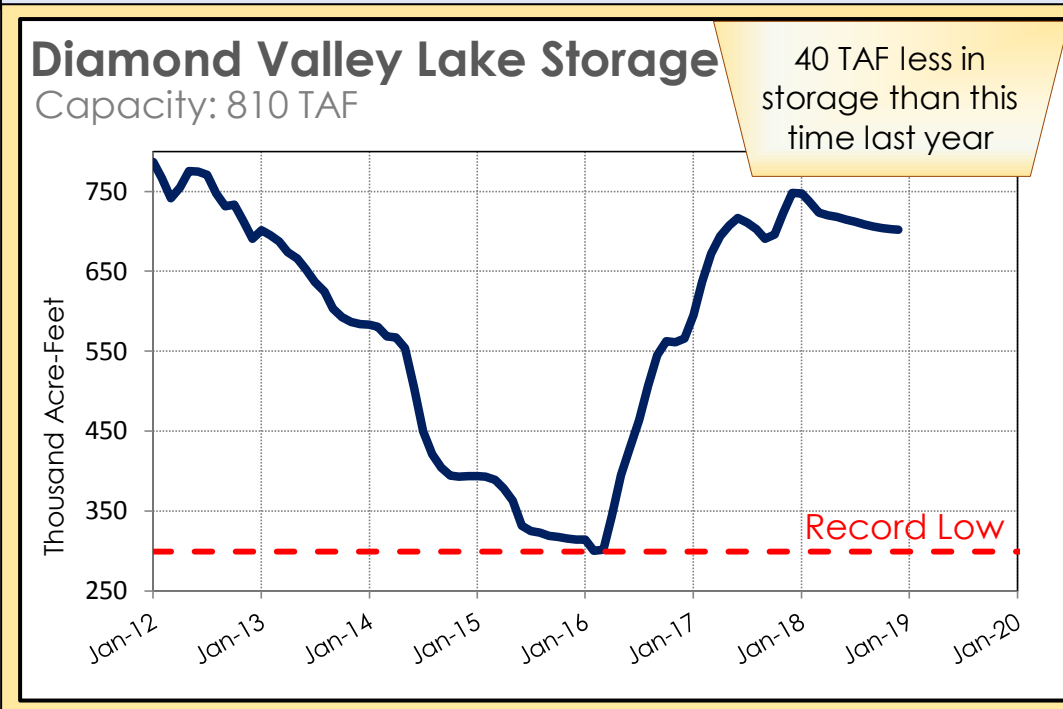
## Lake Mead Storage





### Highlights

- Northern Sierra snowpack is at 75% of normal
- Upper Colorado River Basin snowpack is at 93% of normal
- Southern California precipitation well above normal - Los Angeles (147% of normal) and San Diego (165% of normal)



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<http://www.mwdh2o.com/WSCR>  
This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters

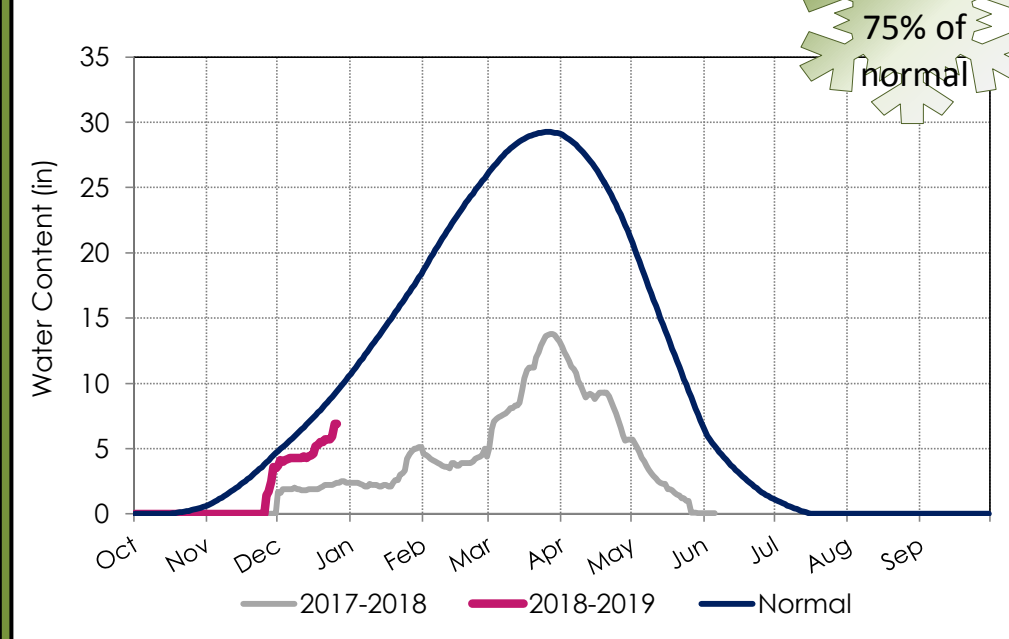
**2018 SWP Allocation**  
669,025 AF  
35% of Table A  
Statewide **80%**

**Legend:**  
Rainfall to Date (in) | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

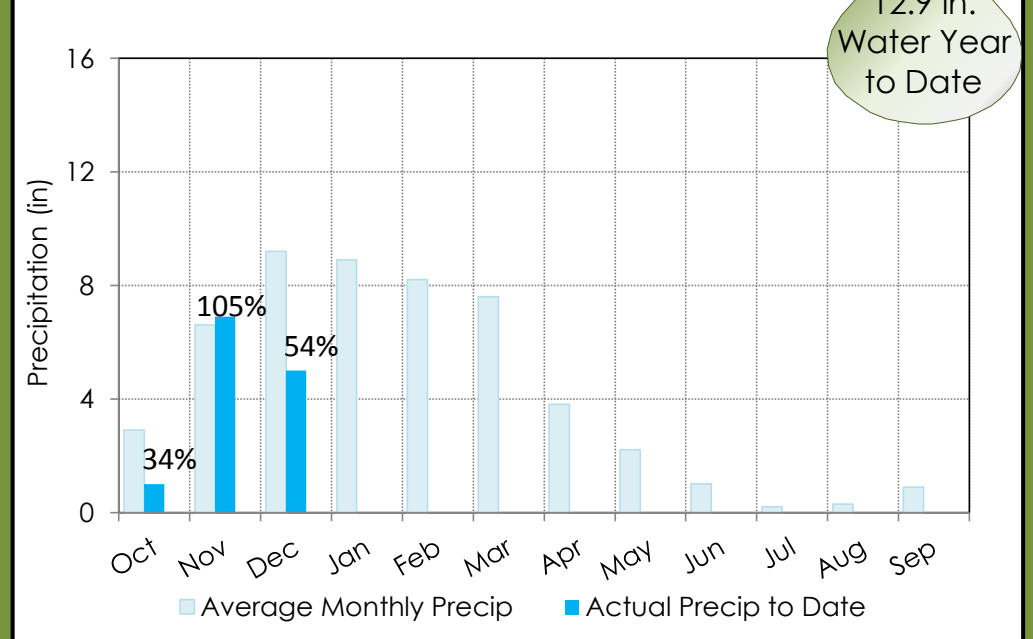
As of: 12/25/2018

# State Water Project Resources

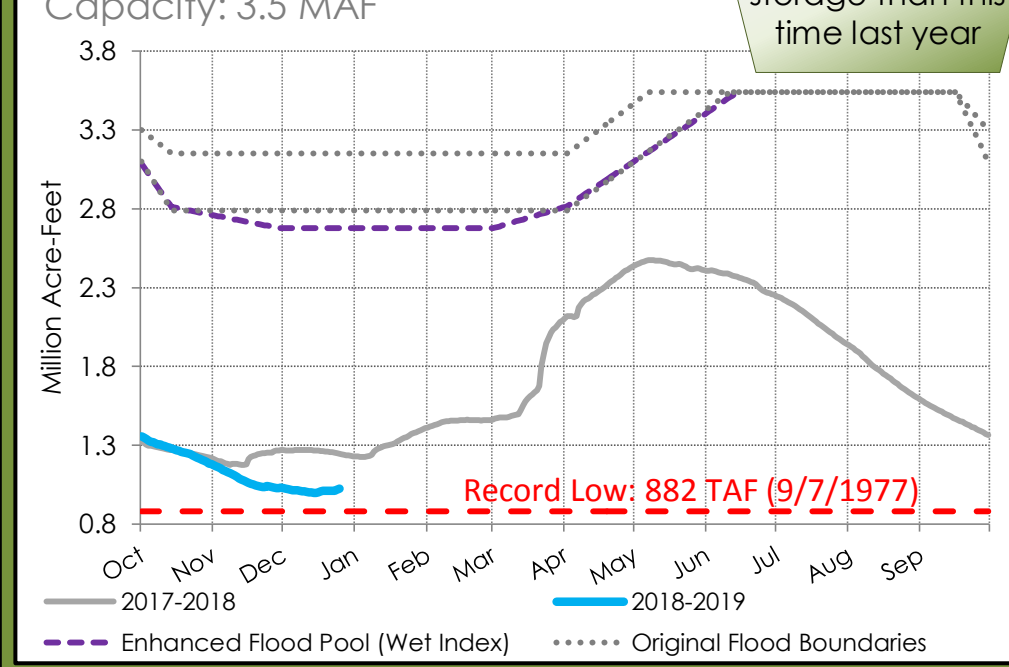
## Northern Sierra Snowpack



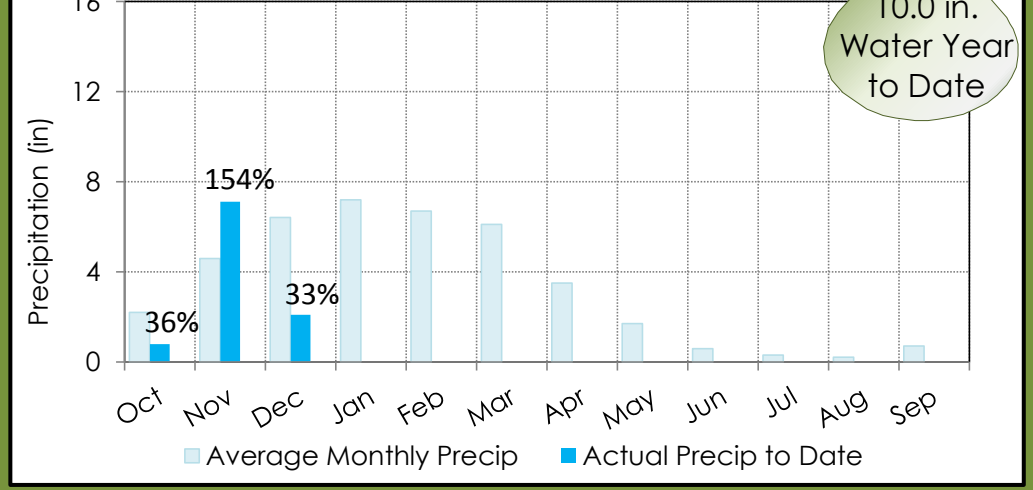
## 8 Station Index Precip



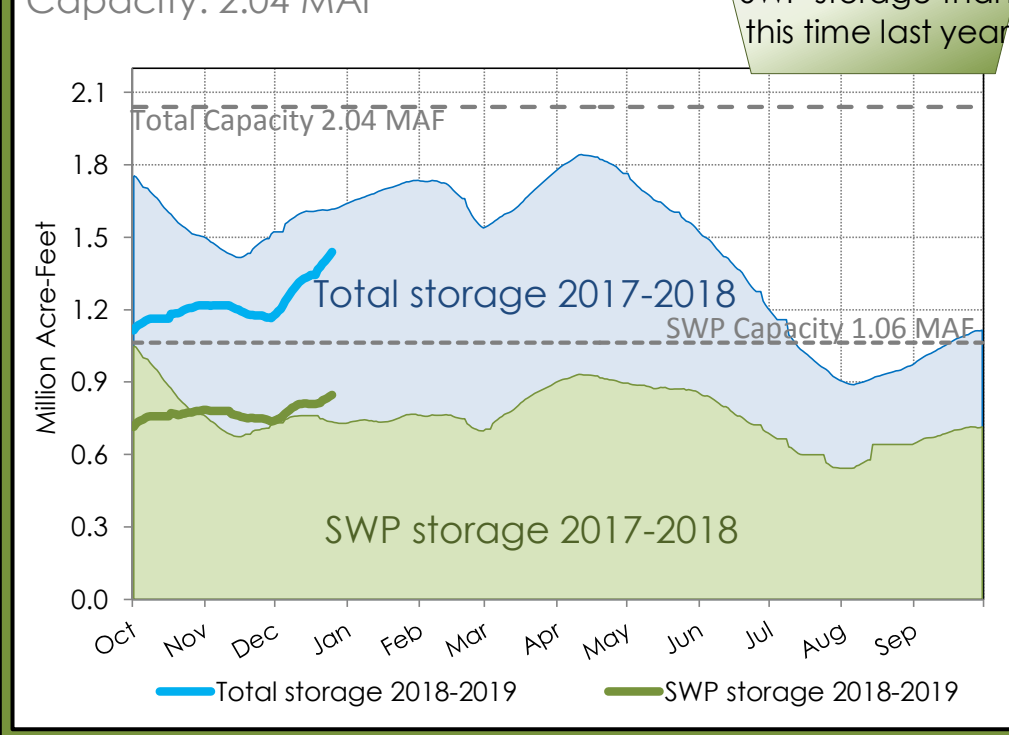
## Oroville Reservoir Storage



## 5 Station Index Precip



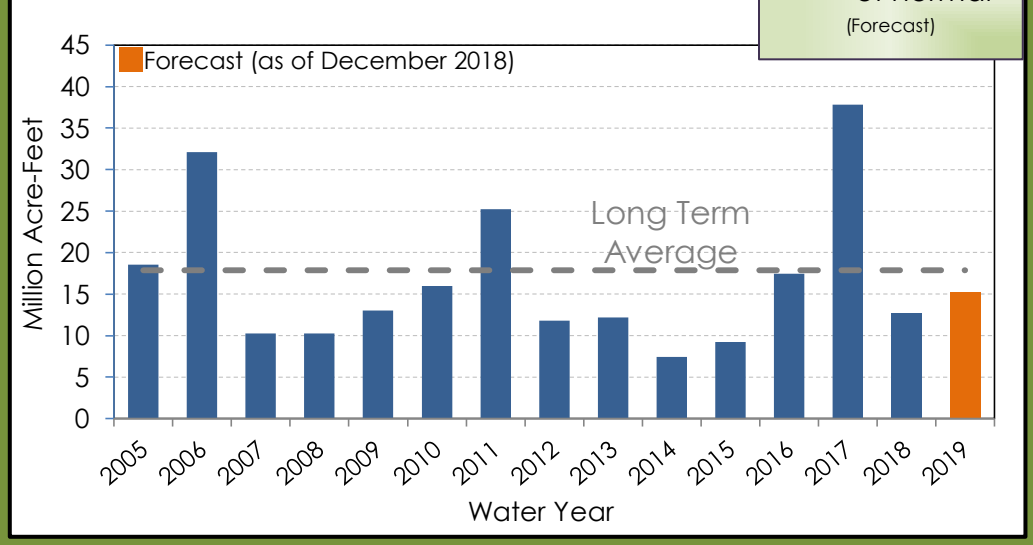
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	14,000
Article 14b	27,500
Pool A/B (Purchased)	0
Carryover Supplies	297,000

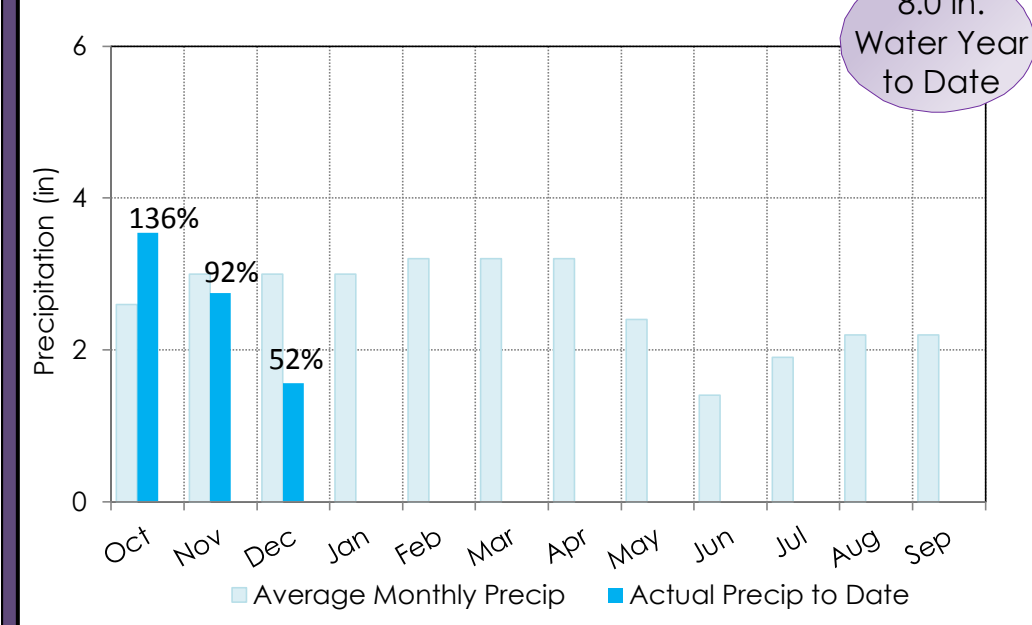
## Sacramento River Runoff



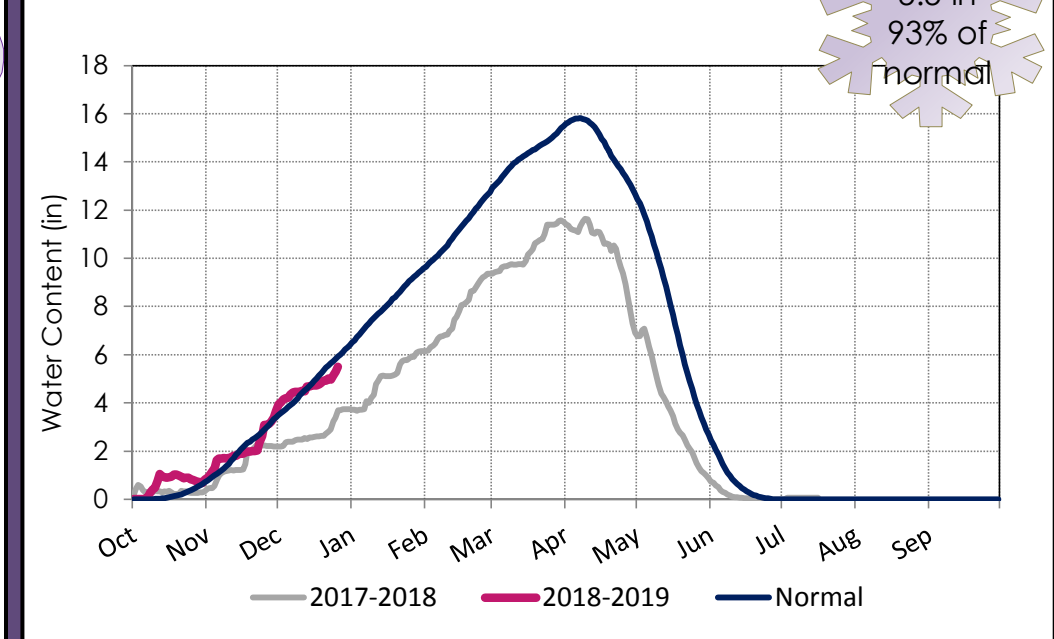
# Colorado River Resources

As of: 12/25/2018

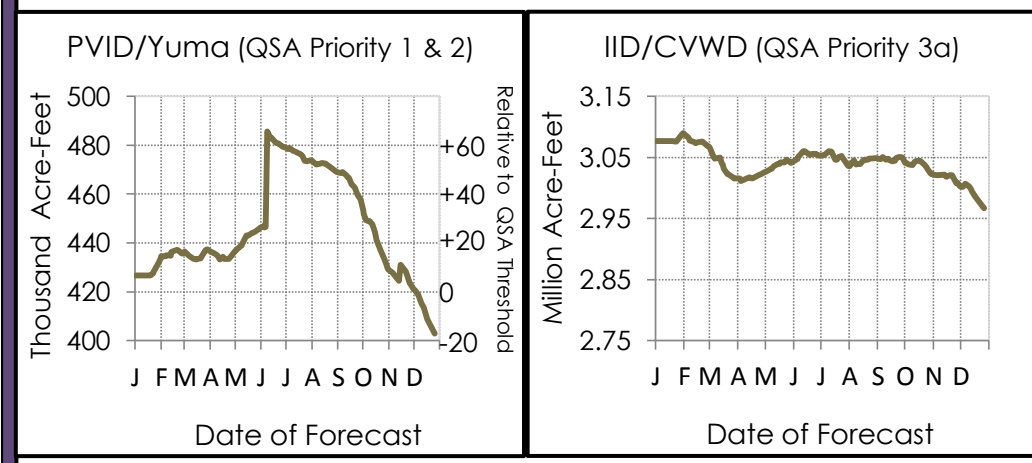
## Upper Colorado Basin Precip



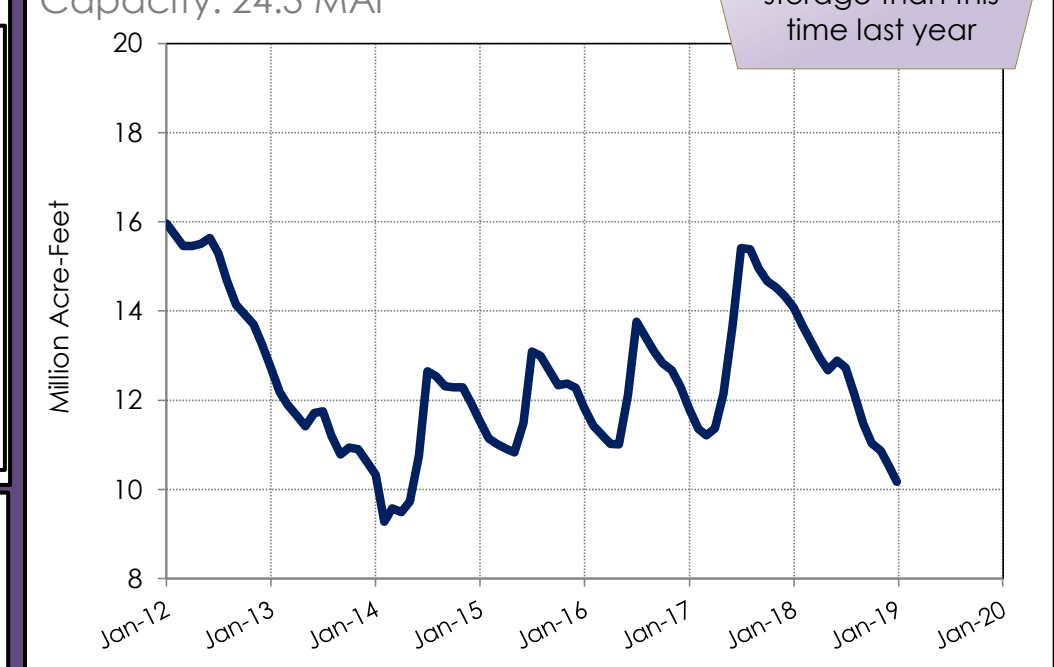
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

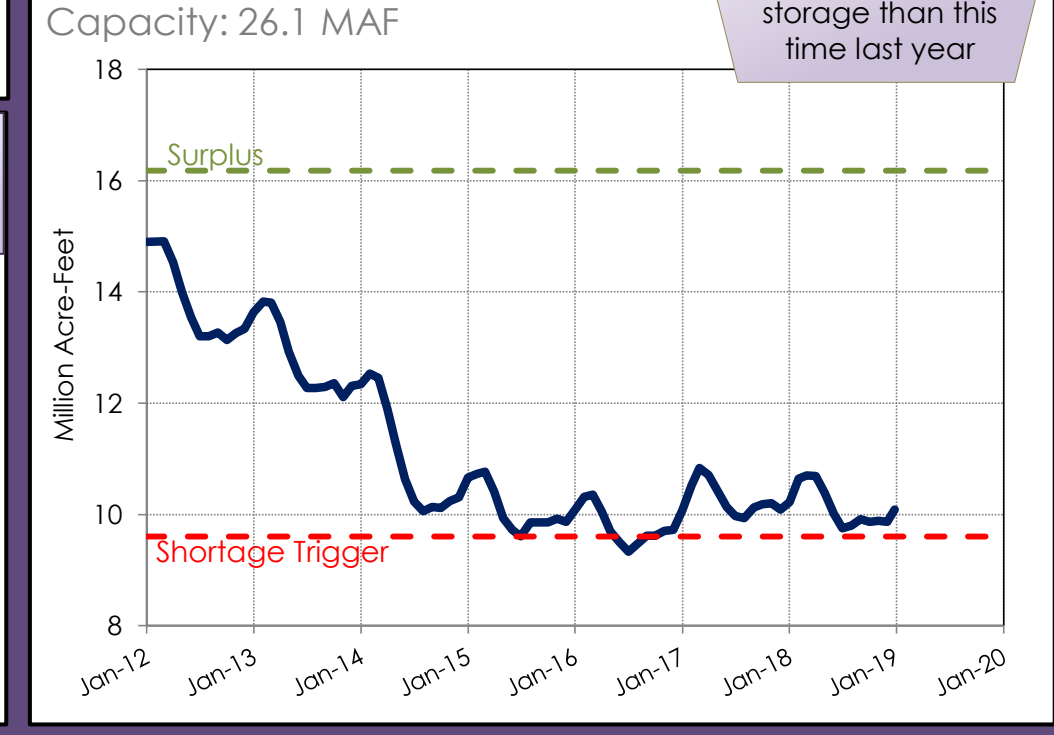


## Lake Mead Shortage/Surplus Outlook

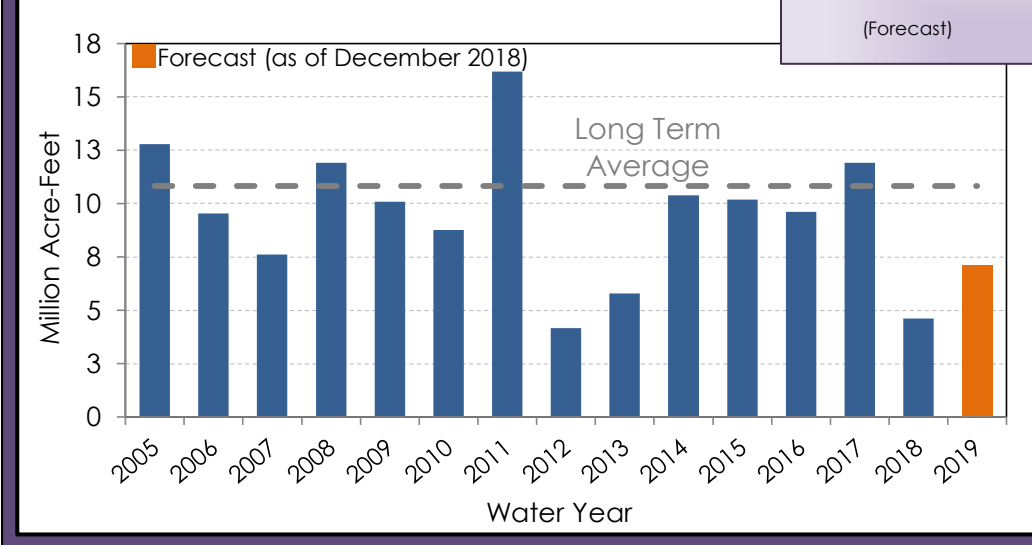
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

Likelihood based on results from the August 2018 CRSS model run.

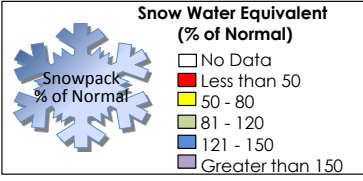
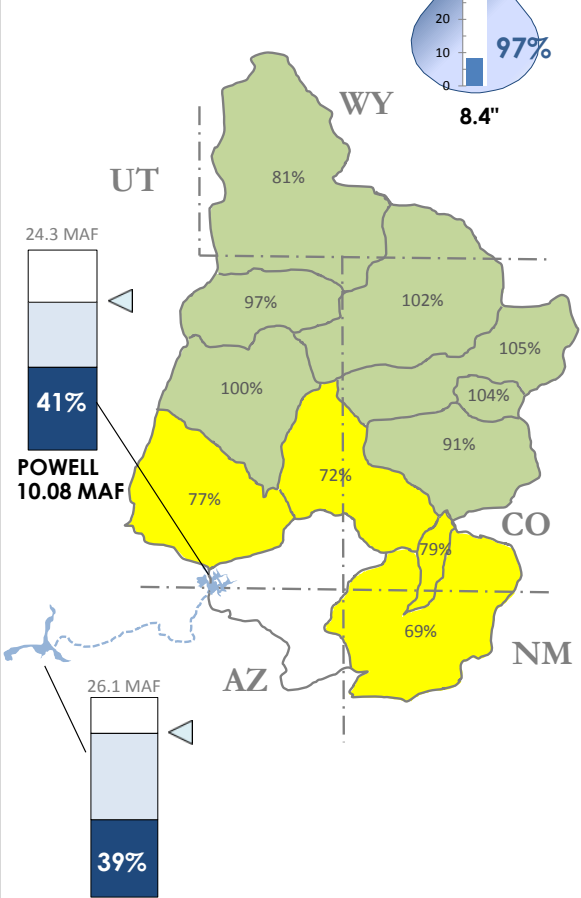
## Lake Mead Storage



## Powell Unregulated Inflow

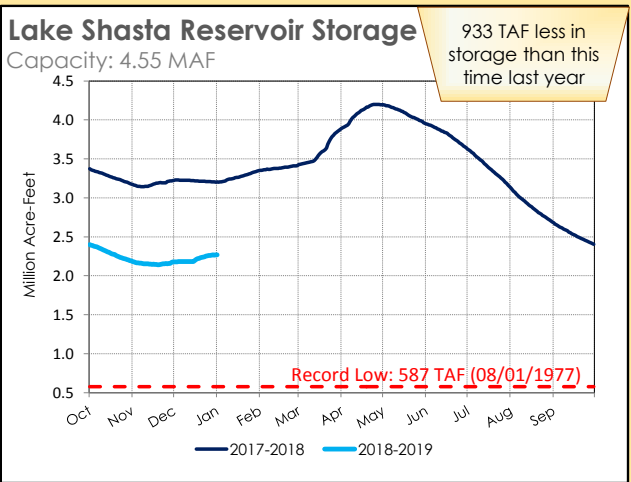
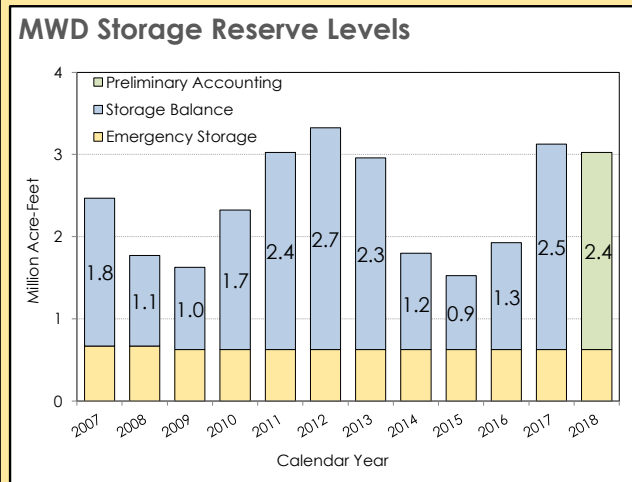
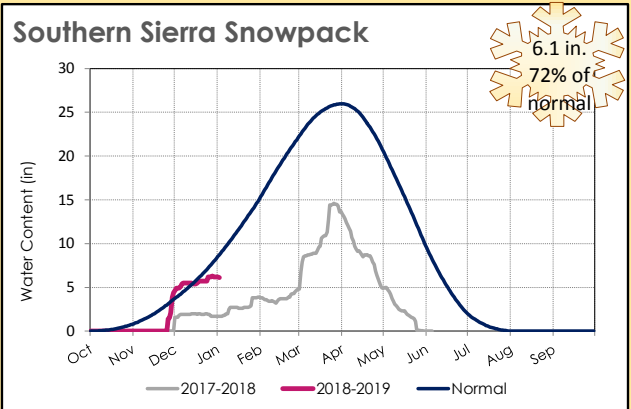
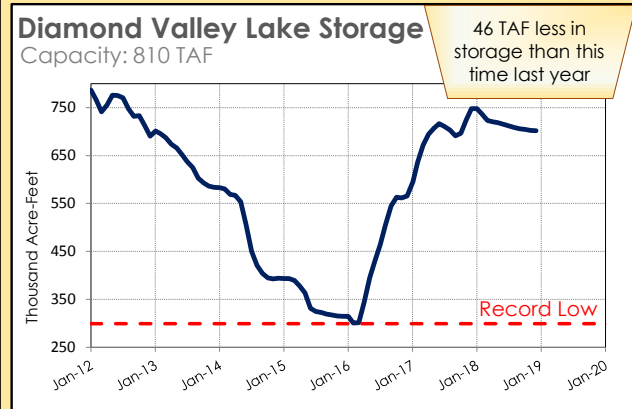


**2019 Colorado River**  
Upper Colorado River Basin  
**90%**  
899,829 AF  
72% of full CRA  
Does not include storage withdrawals

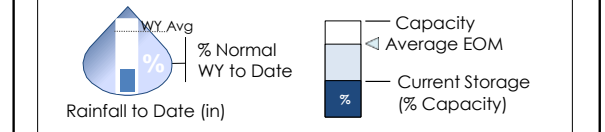
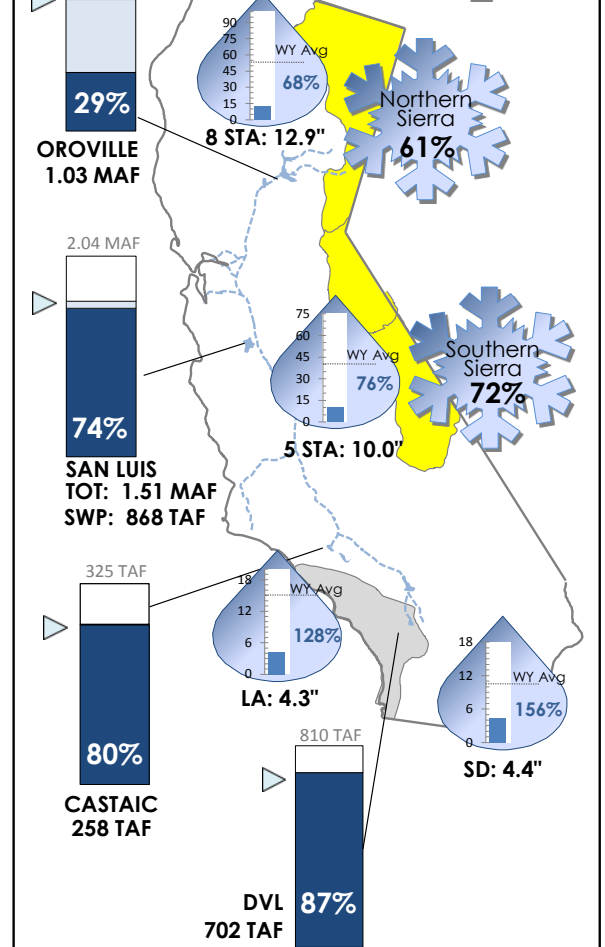


### Highlights

- Northern Sierra snowpack is at 61% of normal
- Upper Colorado River Basin snowpack is at 90% of normal
- Southern California precipitation well above normal - Los Angeles (128% of normal) and San Diego (156% of normal)



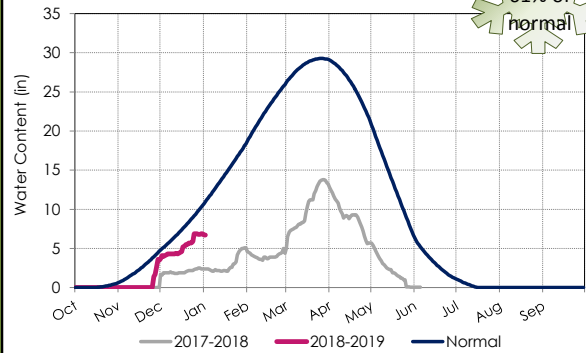
**2019 SWP Allocation**  
191,150 AF  
10% of Table A  
Statewide **68%**



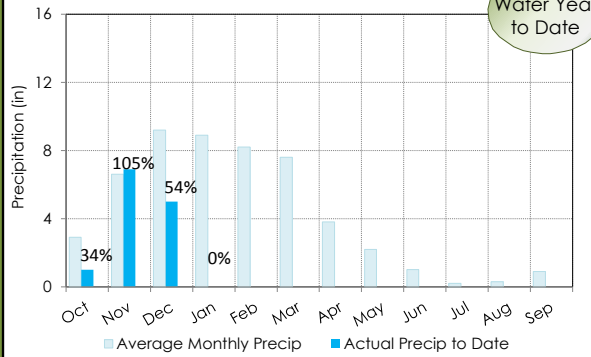
As of: 01/01/2019

# State Water Project Resources

## Northern Sierra Snowpack

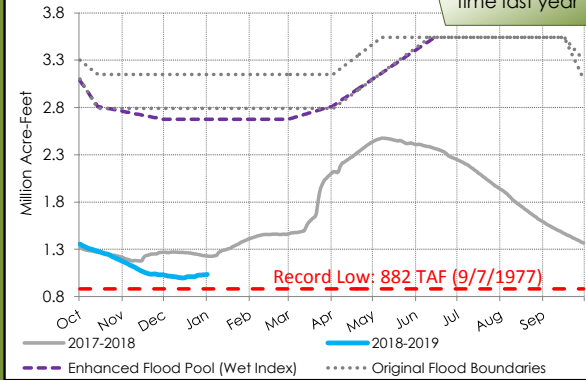


## 8 Station Index Precip

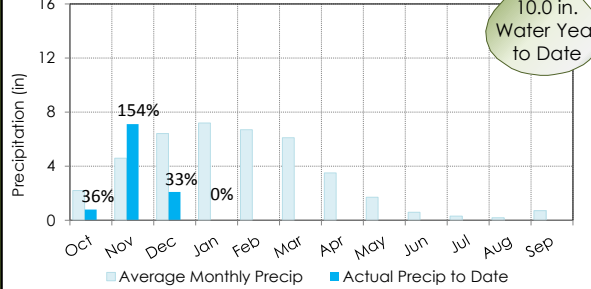


## Oroville Reservoir Storage

Capacity: 3.5 MAF

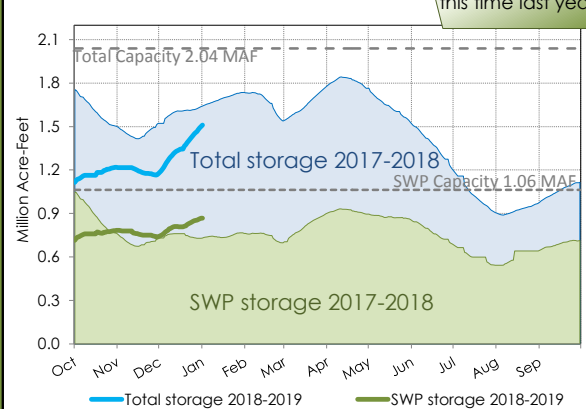


## 5 Station Index Precip



## San Luis Reservoir Storage

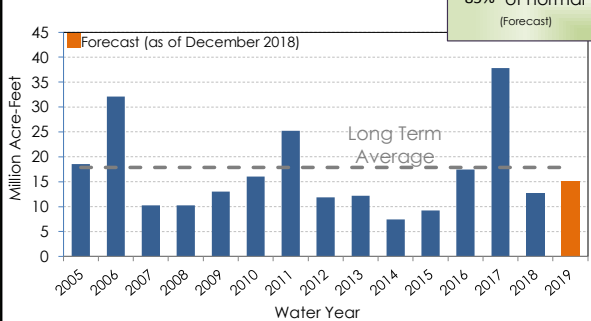
Capacity: 2.04 MAF



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	250,000

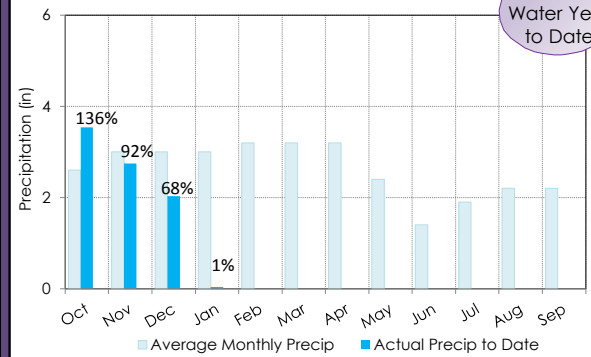
## Sacramento River Runoff



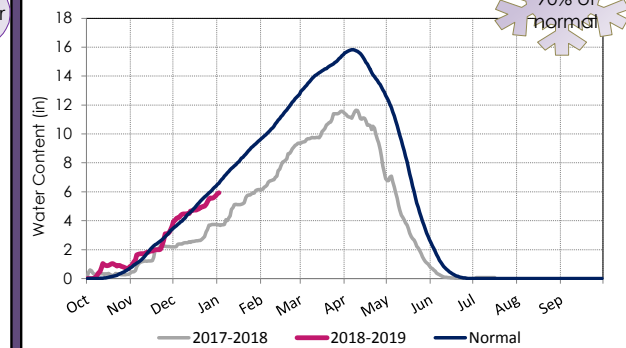
# Colorado River Resources

As of: 01/01/2019

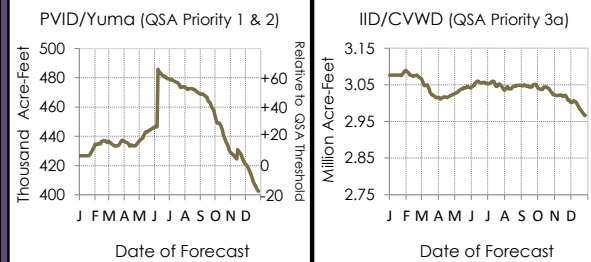
## Upper Colorado Basin Precip



## Upper Colorado Basin Snowpack

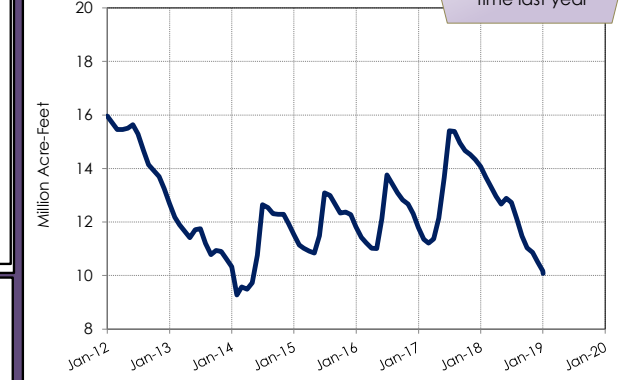


## 2018 Colorado River Ag Use



## Lake Powell Storage

Capacity: 24.3 MAF



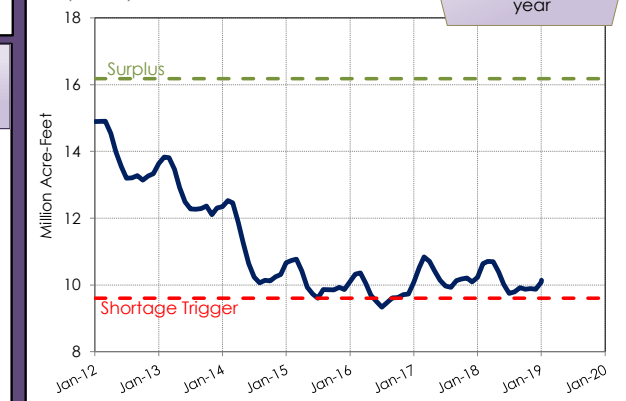
## Lake Mead Shortage/Surplus Outlook

	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

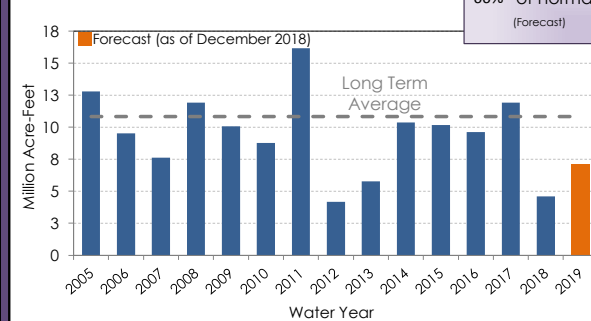
Likelihood based on results from the August 2018 CRSS model run.

## Lake Mead Storage

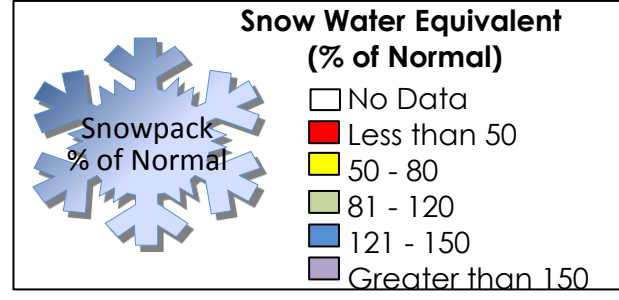
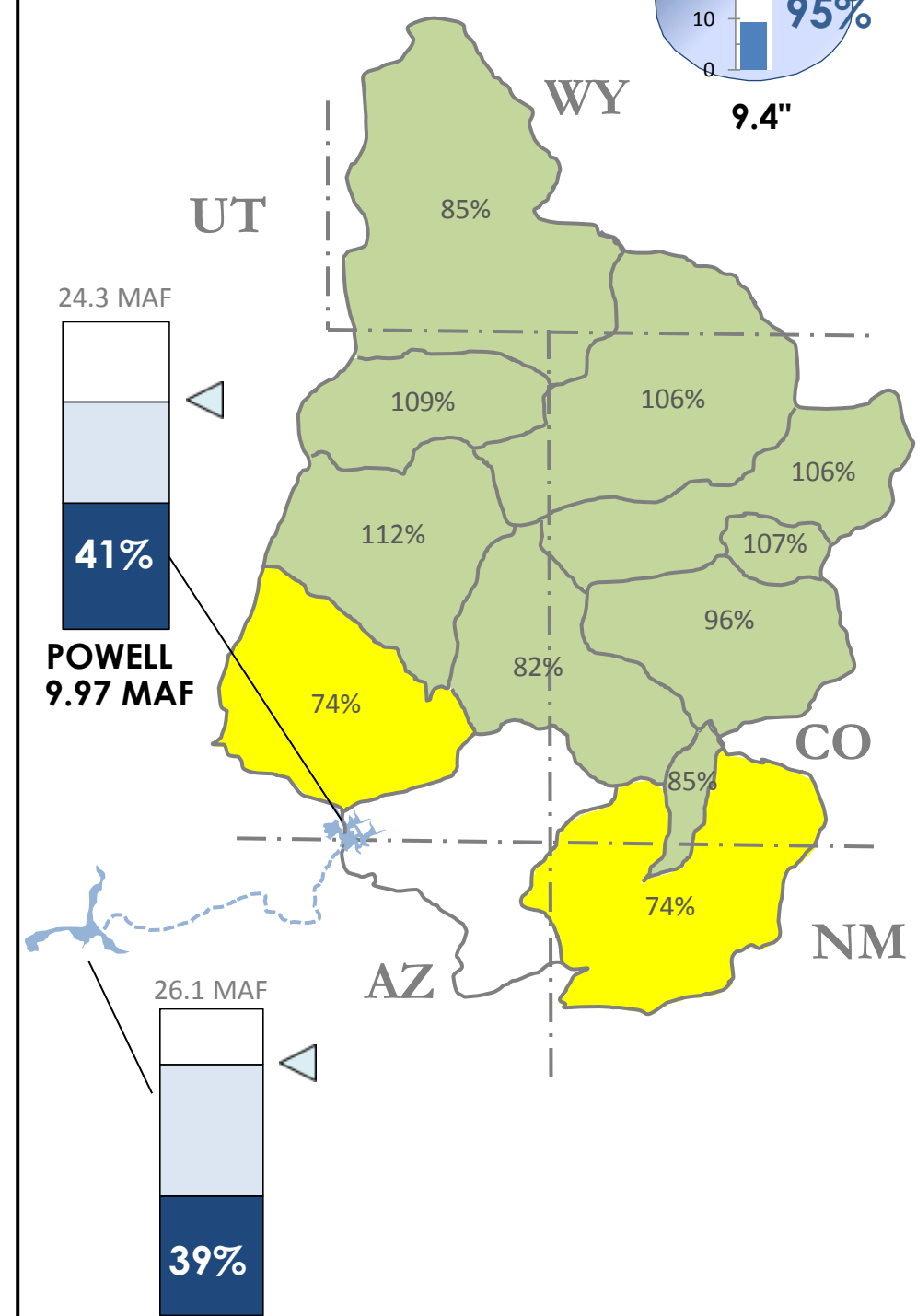
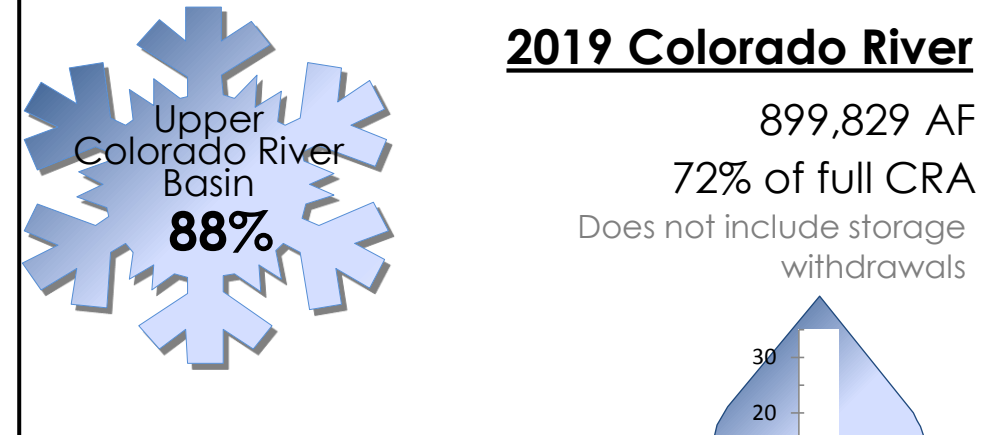
Capacity: 26.1 MAF



## Powell Unregulated Inflow

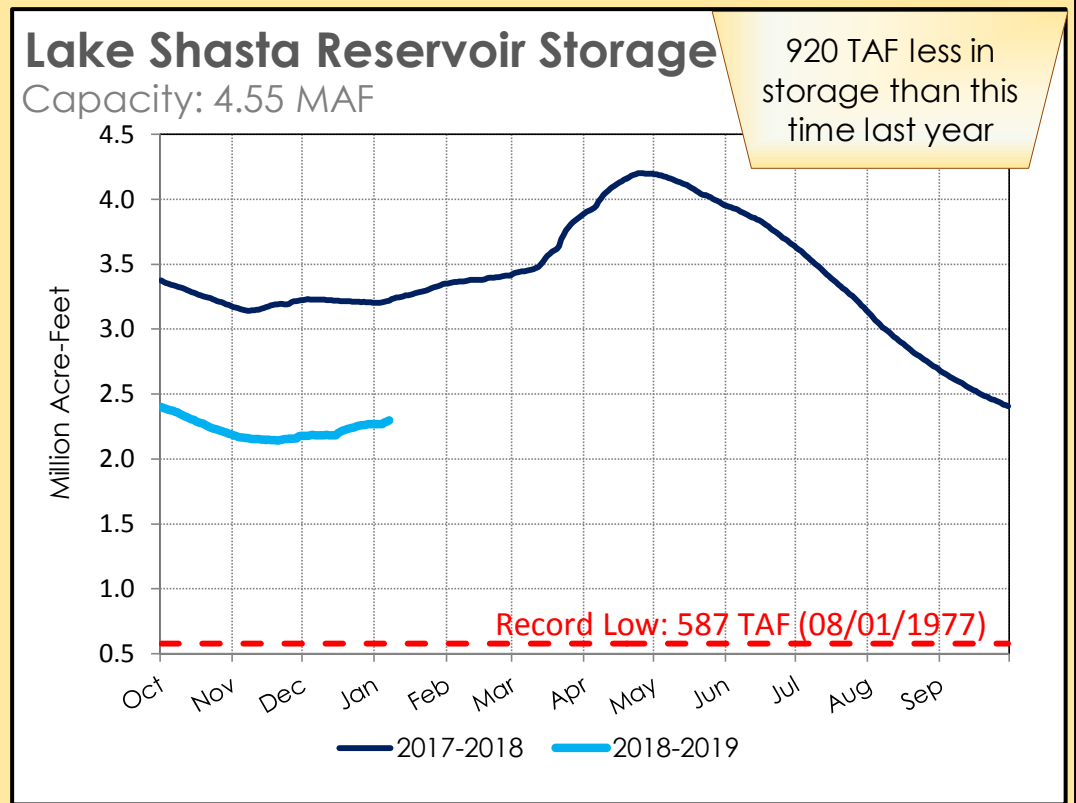
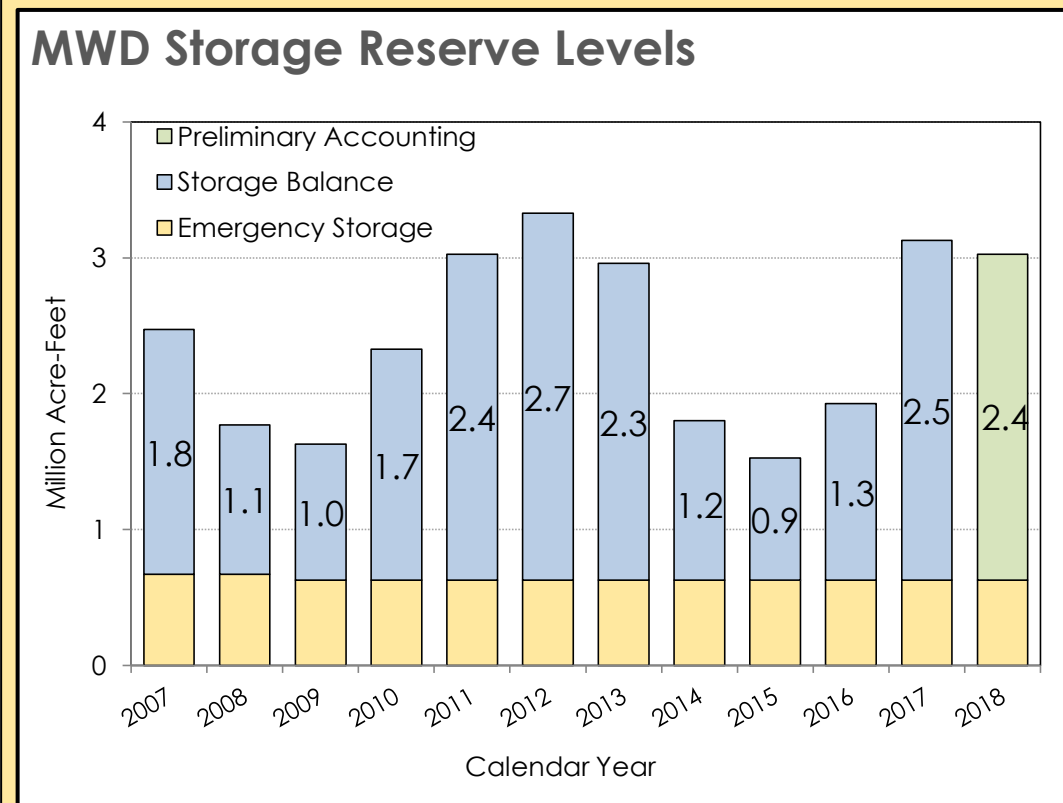
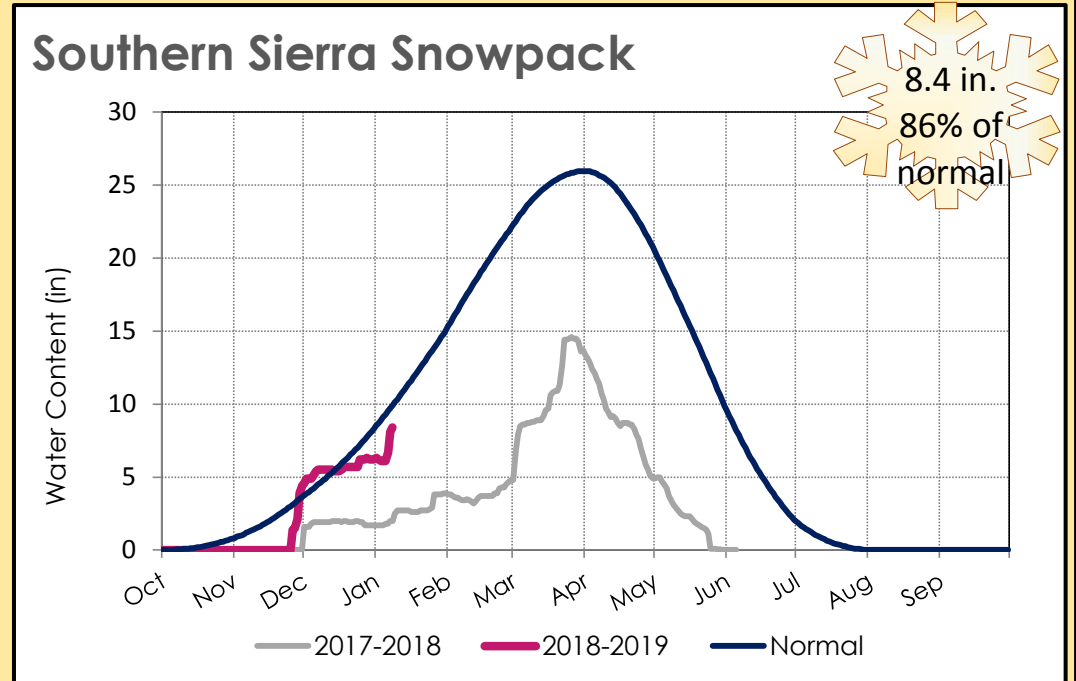
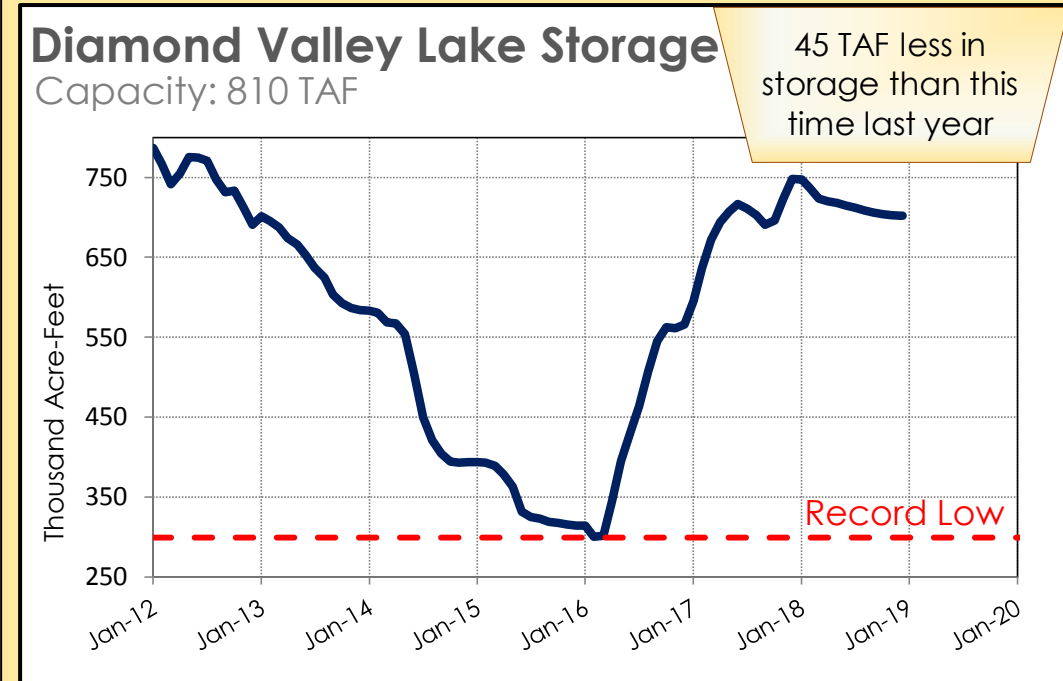






### Highlights

- Northern Sierra snowpack is at 80% of normal
- Upper Colorado River Basin snowpack is at 88% of normal
- Southern California precipitation well above normal - Los Angeles (126% of normal) and San Diego (163% of normal)



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**2019 SWP Allocation**  
191,150 AF  
10% of Table A

Statewide **85%**

OROVILLE 1.04 MAF  
SAN LUIS TOT: 1.55 MAF SWP: 871 TAF  
CASTAIC 257 TAF  
DVL 702 TAF

8 STA: 15.2" (WY Avg 73%)  
5 STA: 12.0" (WY Avg 82%)  
LA: 5.0" (WY Avg 126%)  
SD: 5.3" (WY Avg 163%)

3.5 MAF  
2.04 MAF  
325 TAF  
810 TAF

Capacity  
Average EOM  
Current Storage (% Capacity)

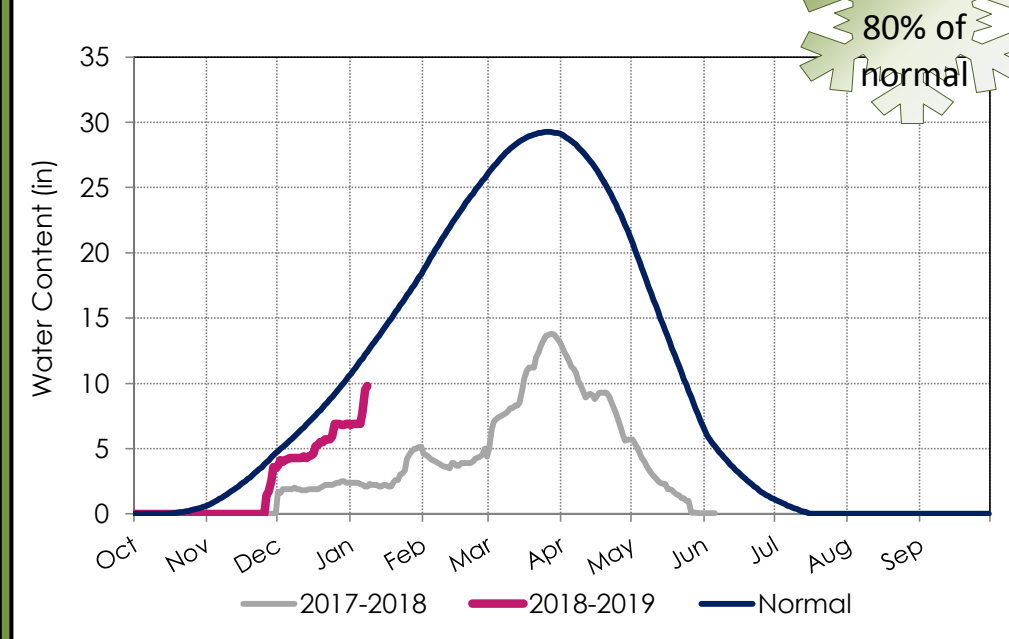
WY Avg  
% Normal WY to Date  
Rainfall to Date (in)

Flip Over for CRA Data      Turn page for more SWP Data

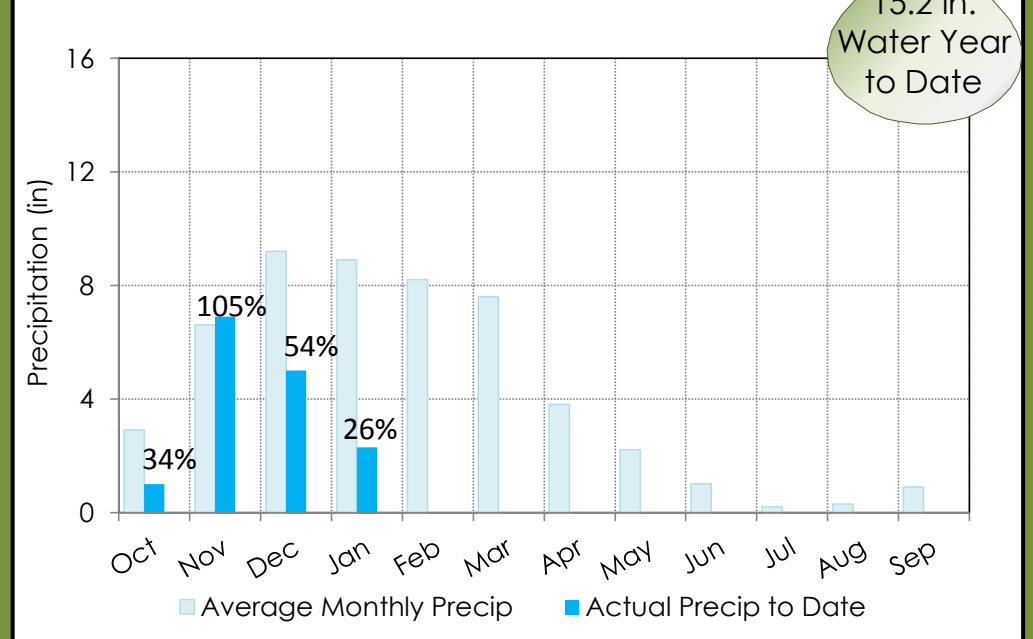
As of: 01/07/2019

# State Water Project Resources

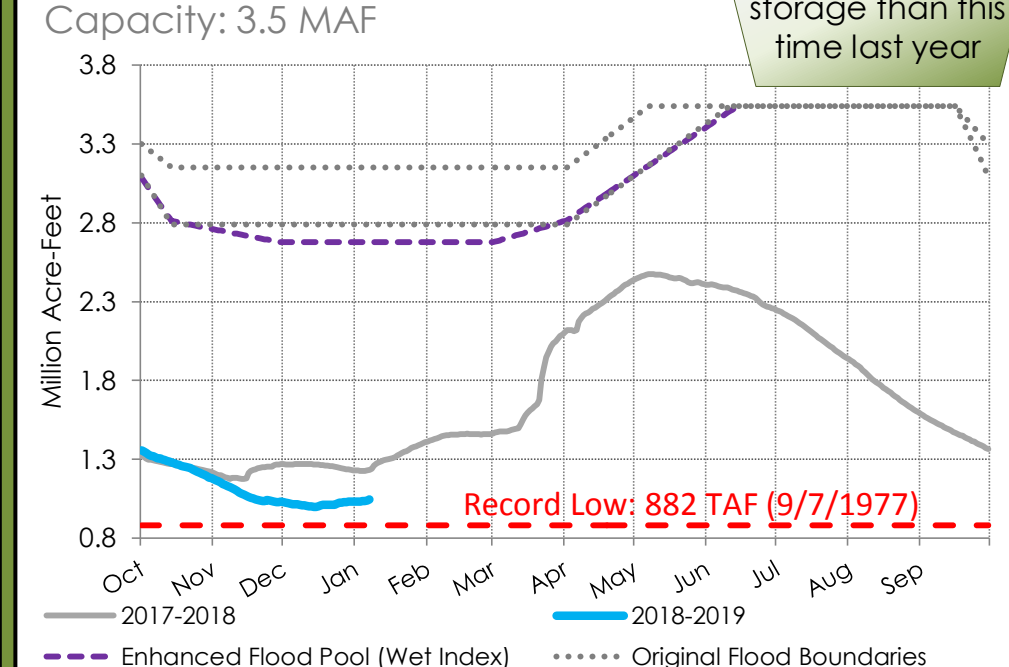
## Northern Sierra Snowpack



## 8 Station Index Precip



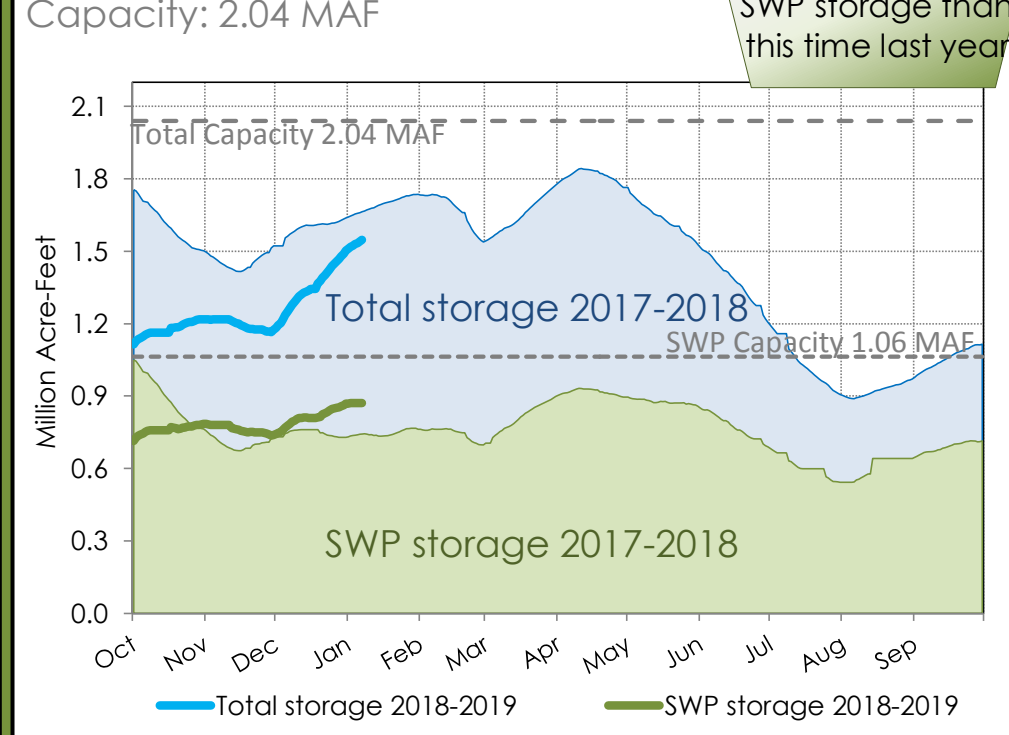
## Oroville Reservoir Storage



## 5 Station Index Precip



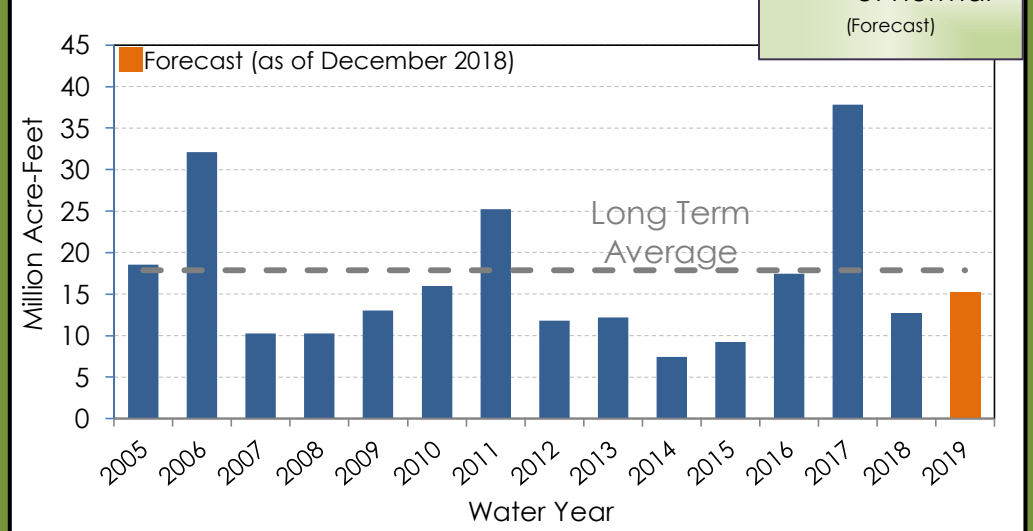
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	250,000

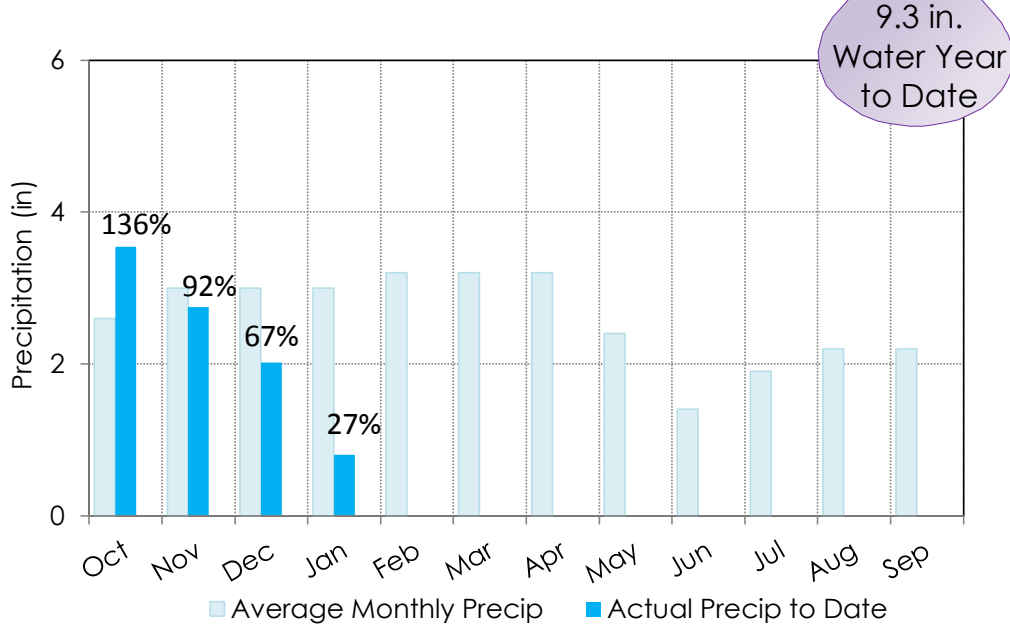
## Sacramento River Runoff



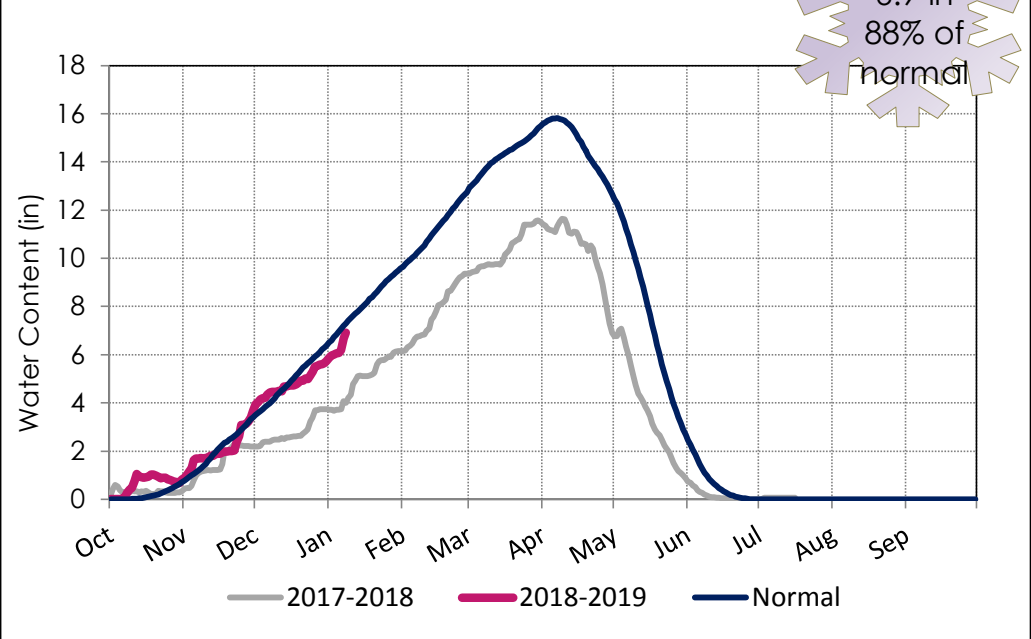
# Colorado River Resources

As of: 01/07/2019

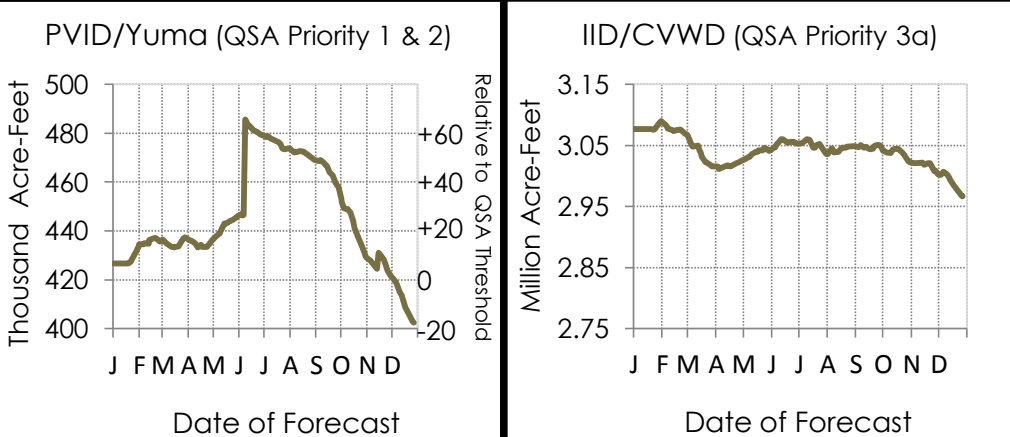
## Upper Colorado Basin Precip



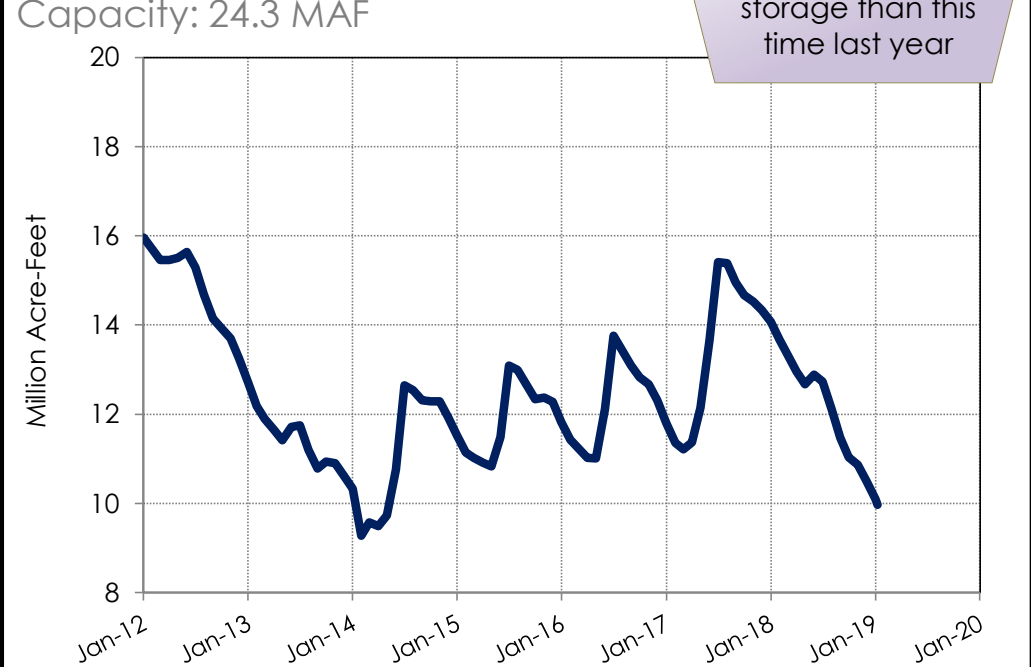
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

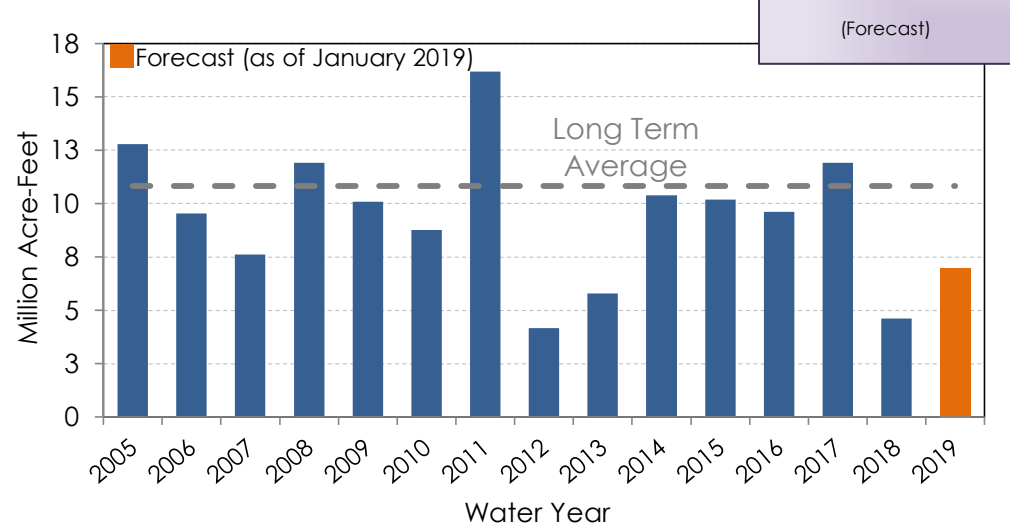


## Lake Mead Shortage/Surplus Outlook

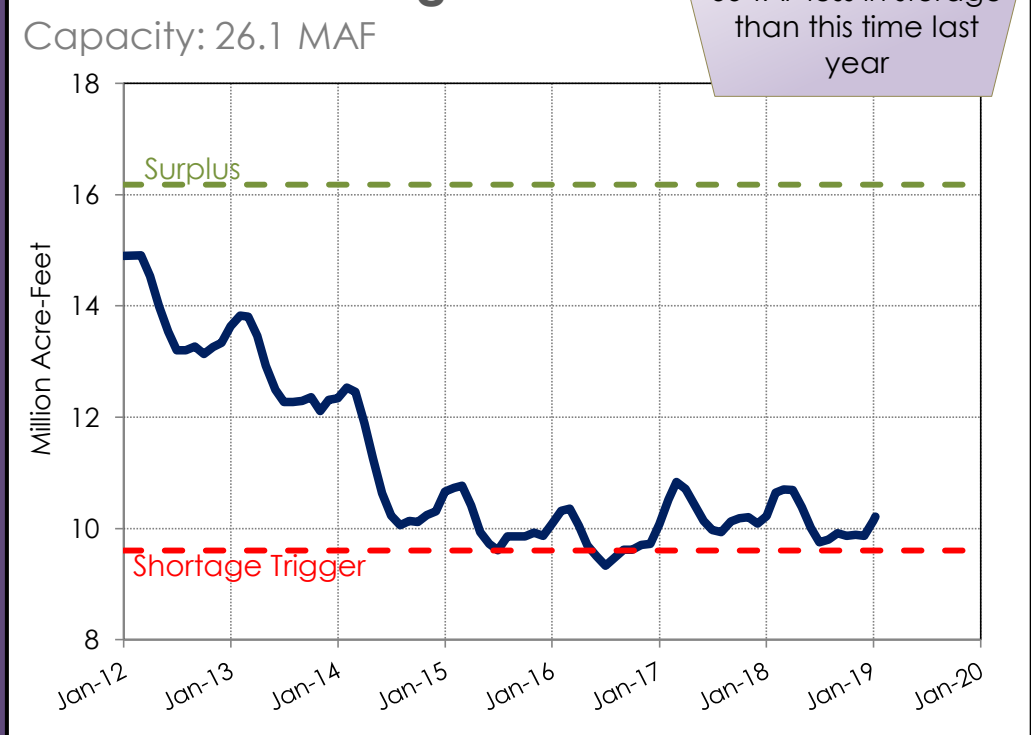
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

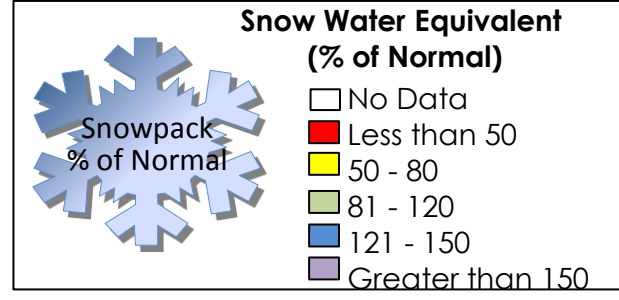
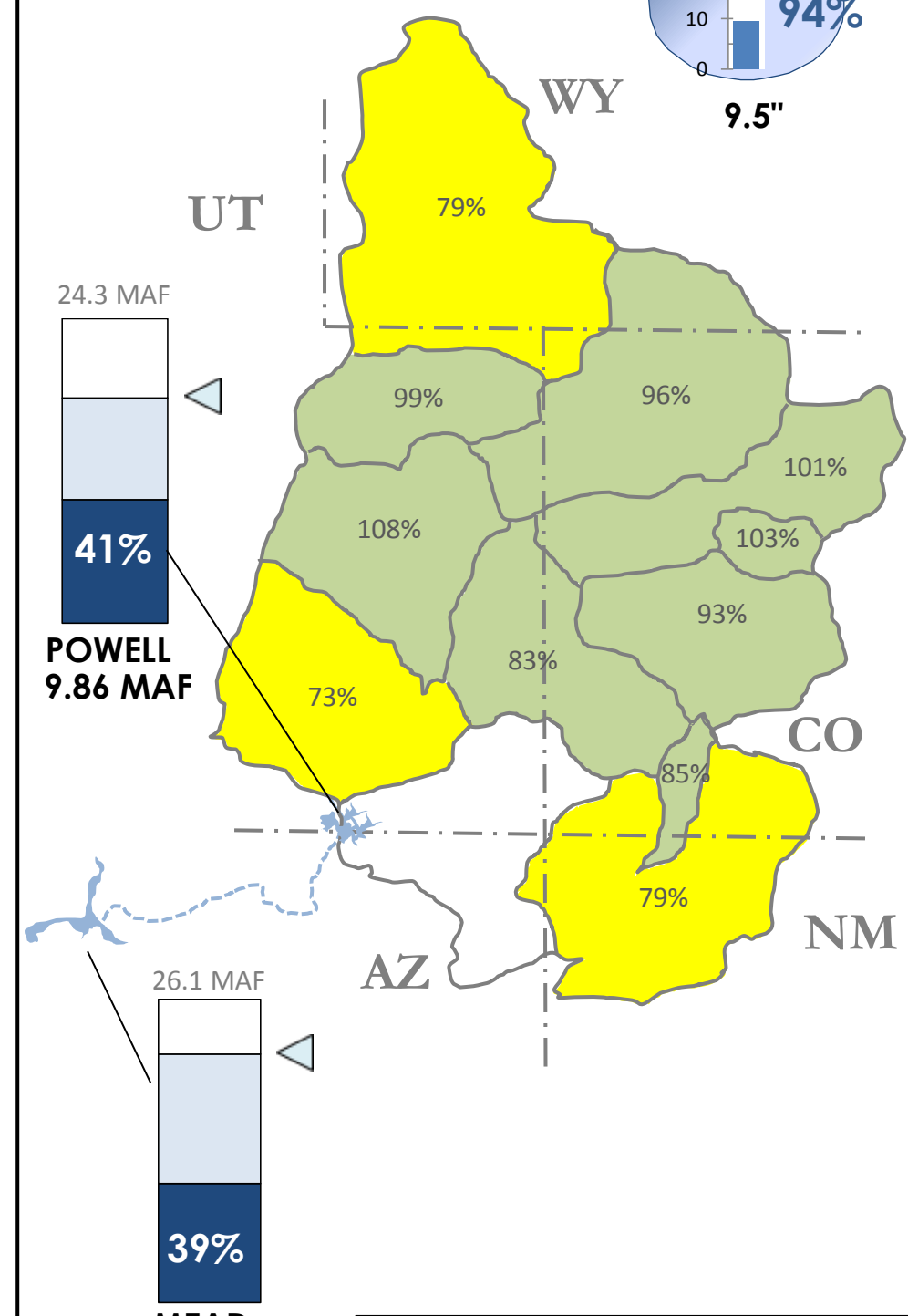
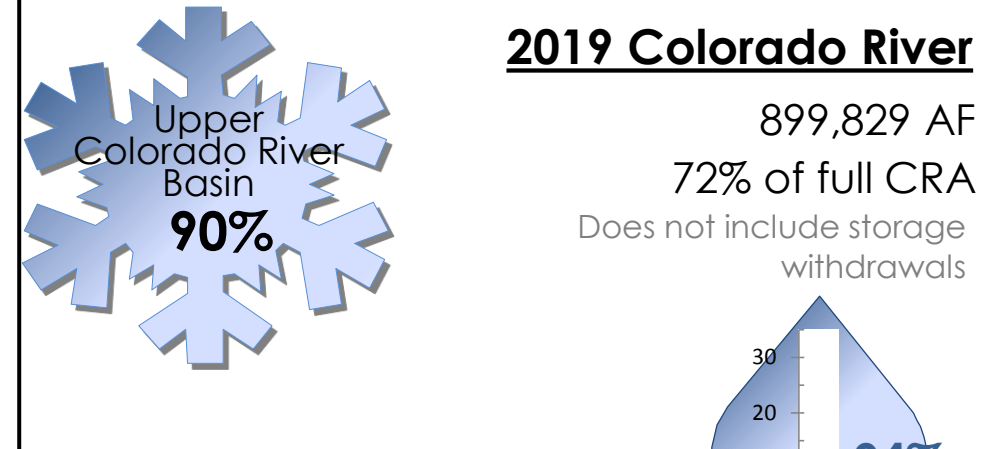
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



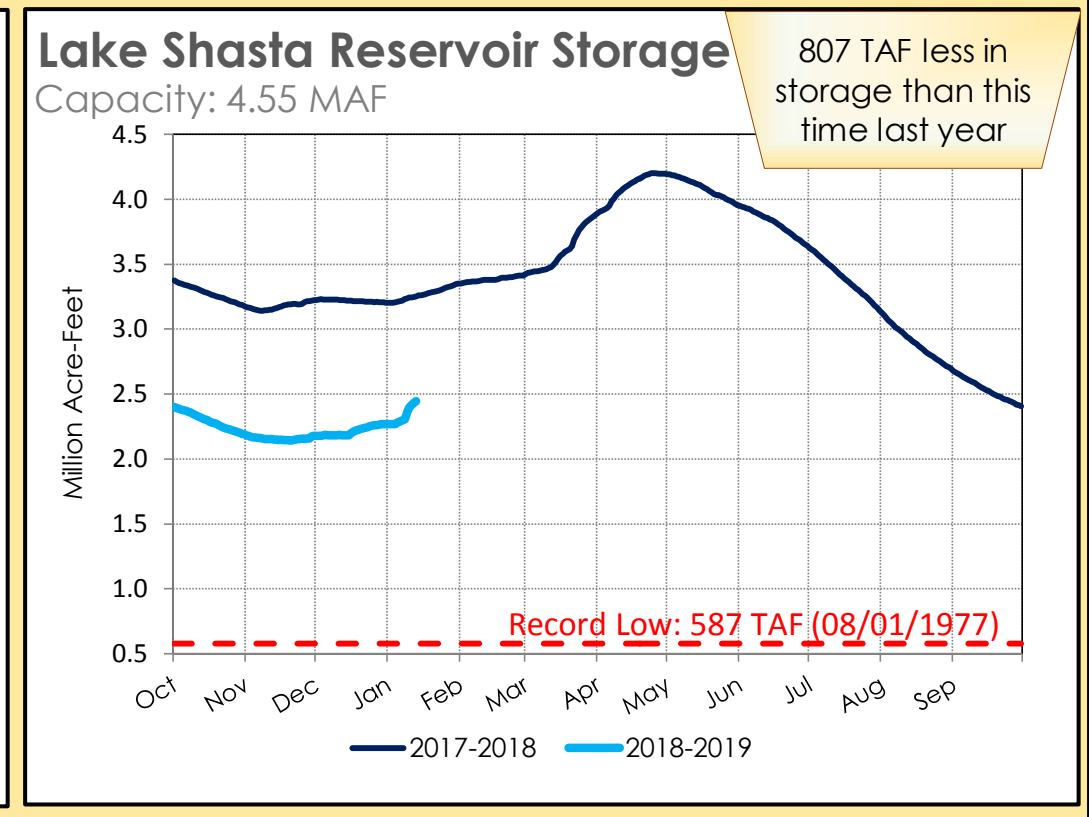
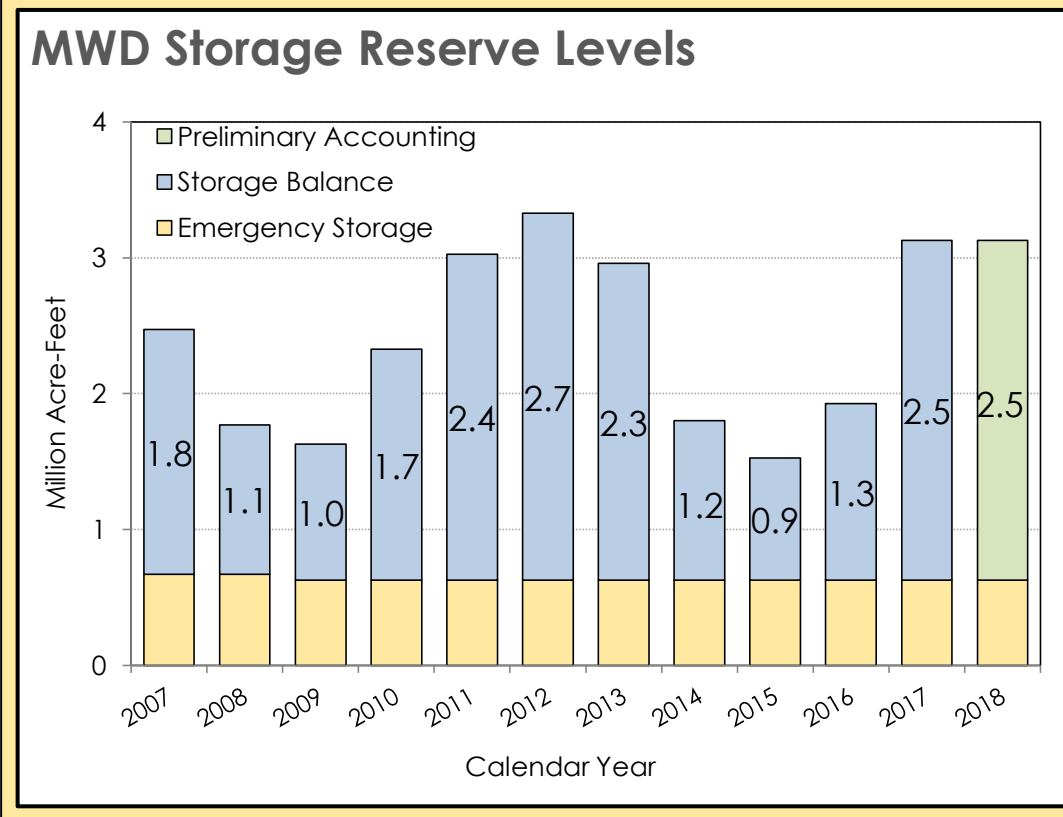
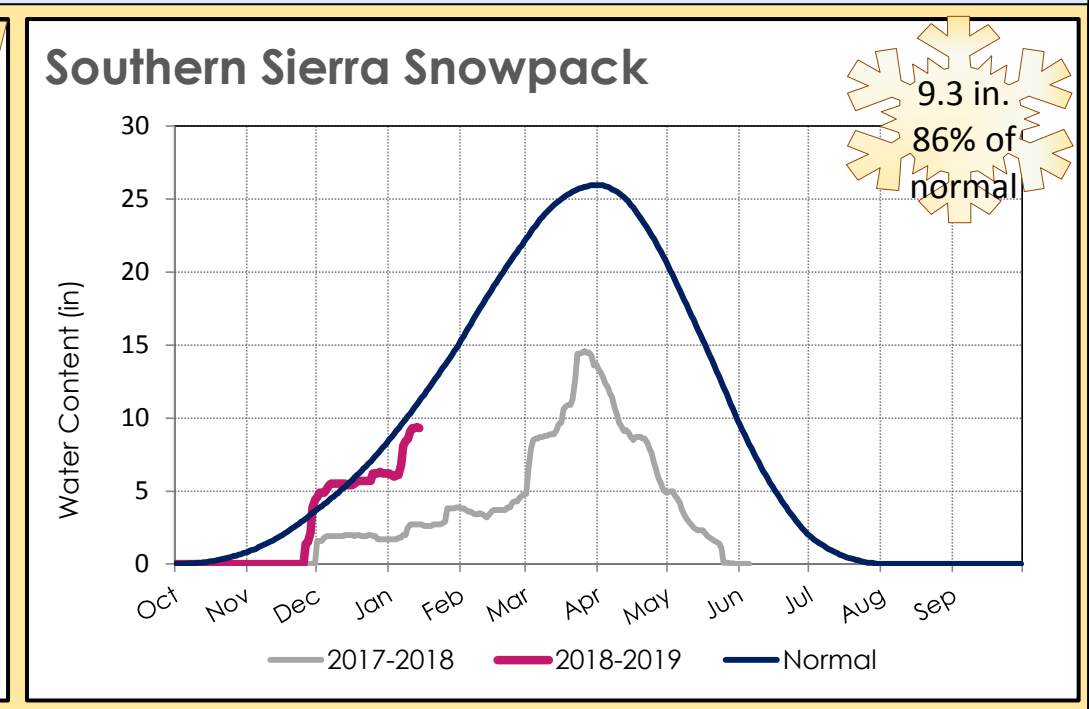
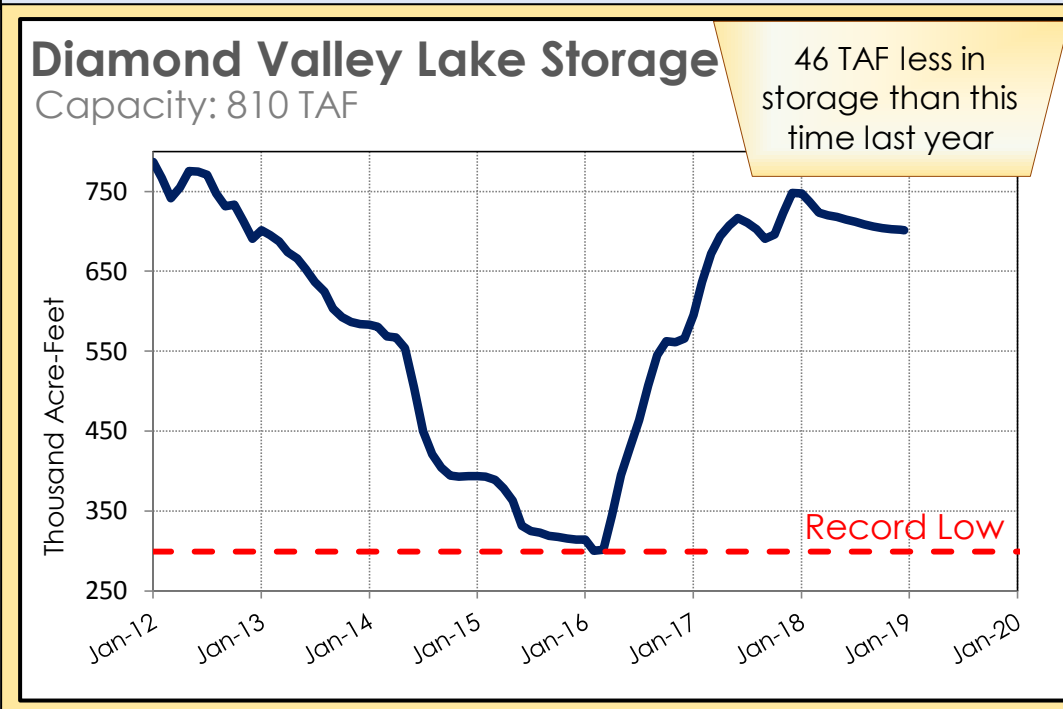
## Lake Mead Storage





**Highlights**

- Northern Sierra snowpack is at 86% of normal
- Upper Colorado River Basin snowpack is at 90% of normal
- Southern California precipitation well above normal - Los Angeles (124% of normal) and San Diego (155% of normal)



**2019 SWP Allocation**  
191,150 AF  
10% of Table A

**Statewide 84%**

Region	SWP Allocation (TAF)	Current Storage (% Capacity)
OROVILLE	1.08 MAF	31%
SAN LUIS TOT	1.59 MAF	78%
CASTAIC	261 TAF	80%
DVL	702 TAF	87%

**Northern Sierra 86%**  
8 STA: 17.5"

**Southern Sierra 86%**  
5 STA: 11.9"

**LA: 5.8"**  
124% of normal

**SD: 5.7"**  
155% of normal

**WY Avg 78%**  
8 STA: 17.5"

**WY Avg 74%**  
5 STA: 11.9"

**WY Avg 124%**  
LA: 5.8"

**WY Avg 155%**  
SD: 5.7"

**3.5 MAF**  
**2.04 MAF**  
**325 TAF**  
**810 TAF**

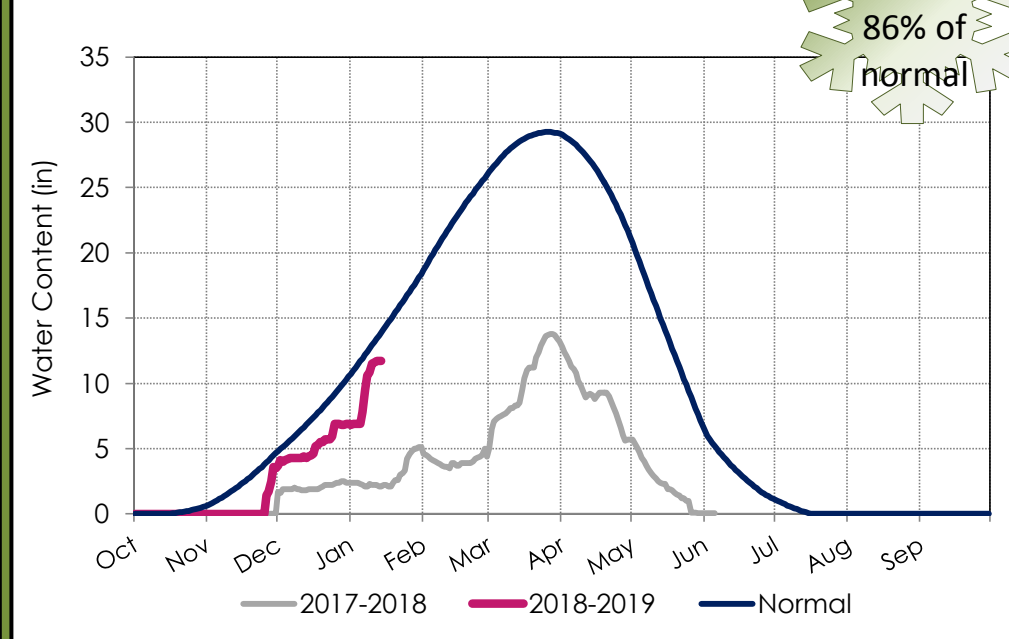
**Capacity**  
**Average EOM**  
**Current Storage (% Capacity)**

**WY Avg**  
**% Normal WY to Date**  
**Rainfall to Date (in)**

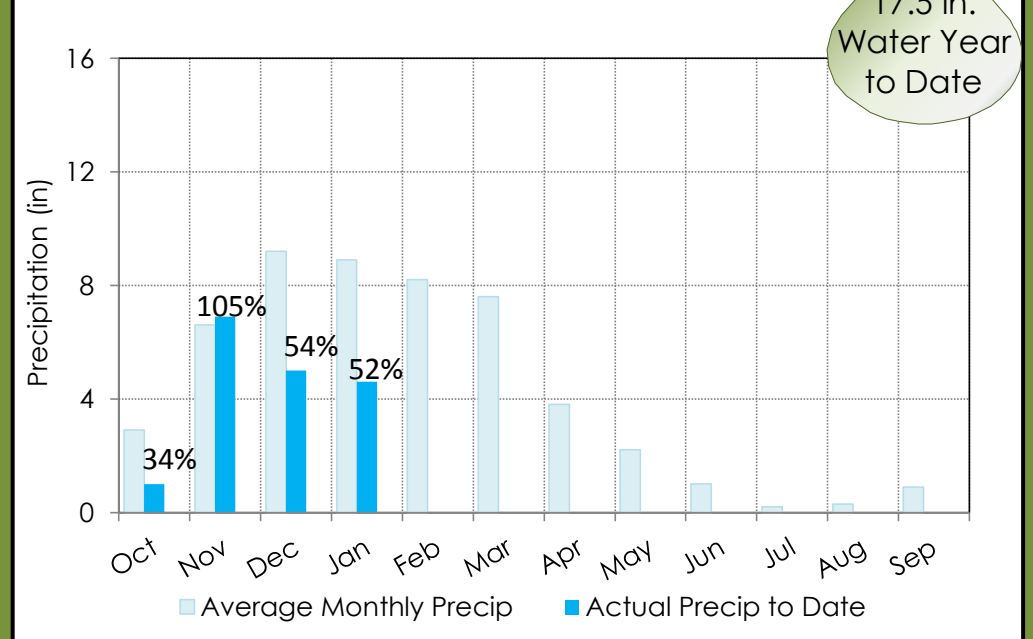
As of: 01/13/2019

# State Water Project Resources

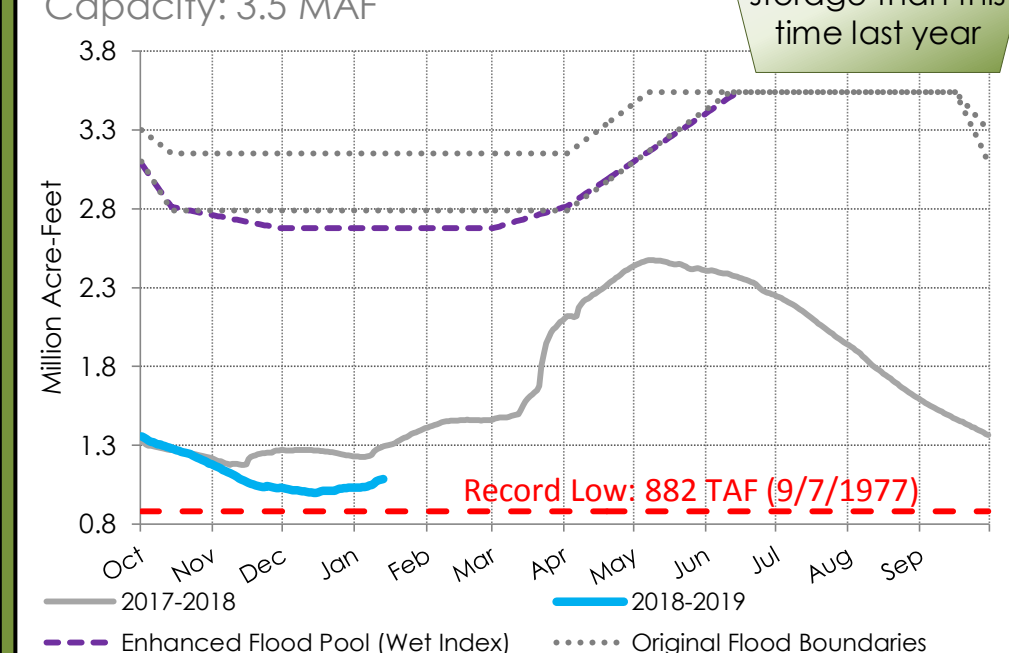
## Northern Sierra Snowpack



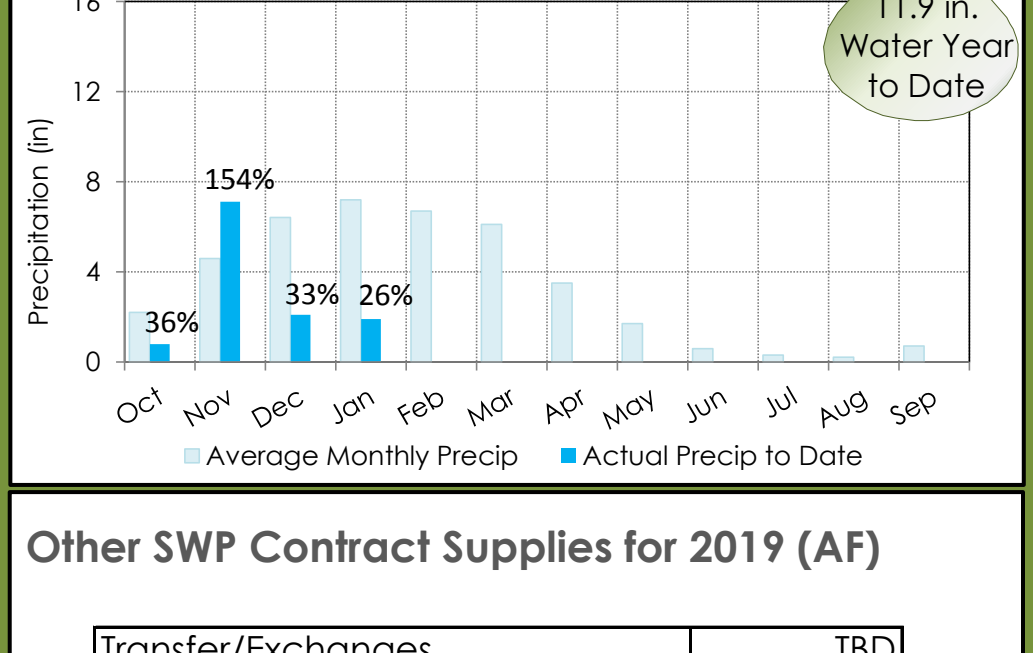
## 8 Station Index Precip



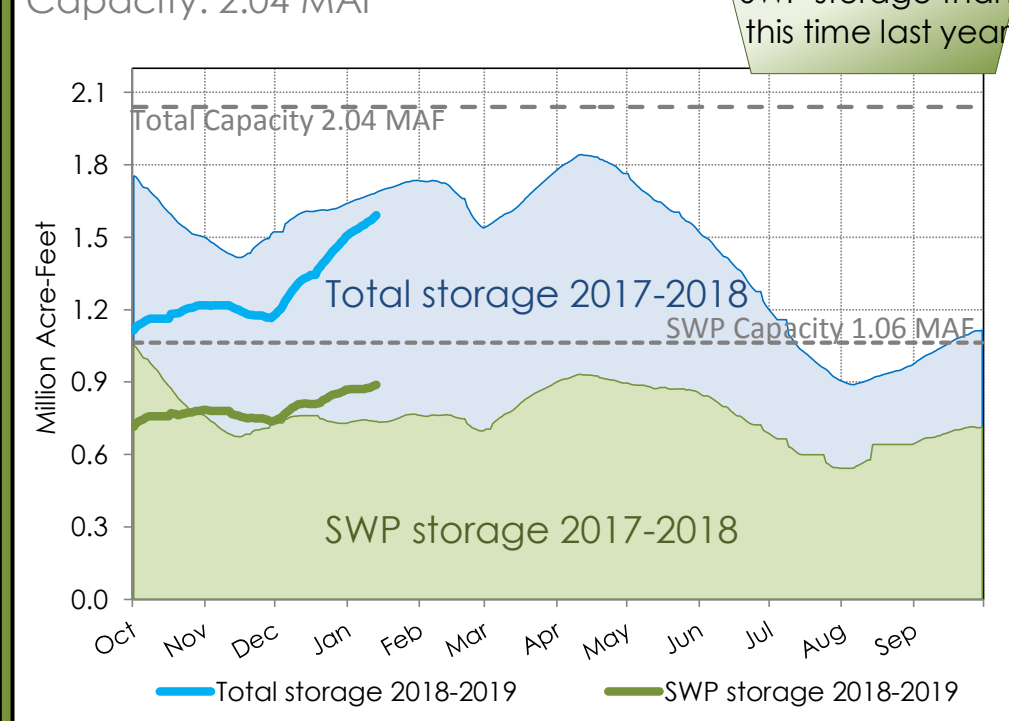
## Oroville Reservoir Storage



## 5 Station Index Precip



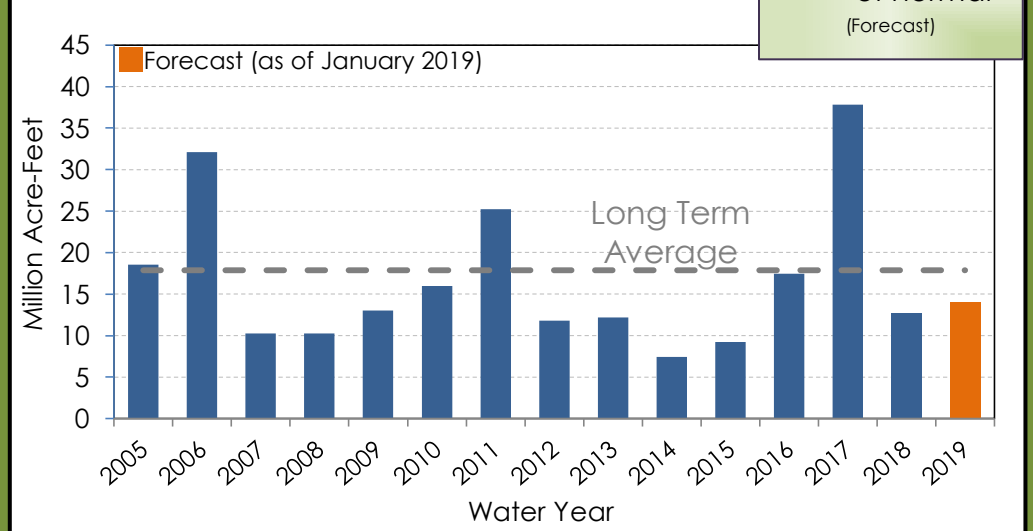
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	250,000

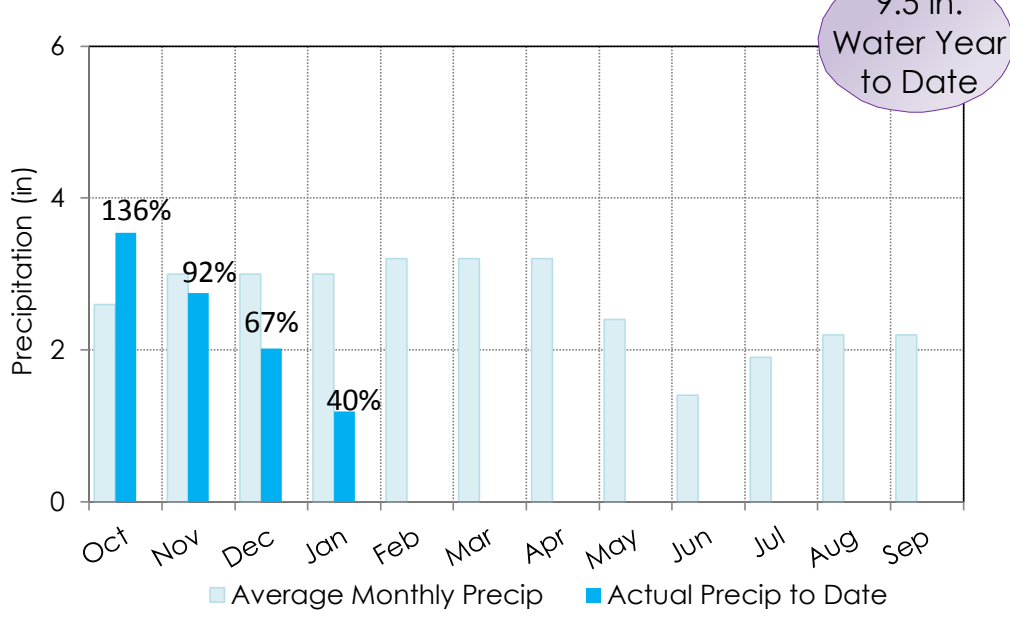
## Sacramento River Runoff



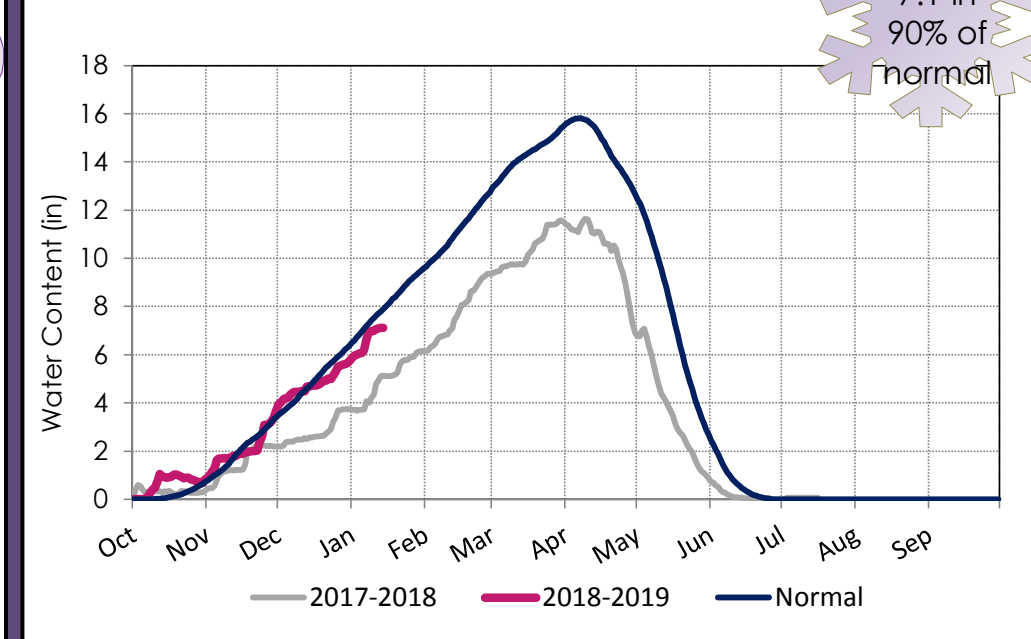
# Colorado River Resources

As of: 01/13/2019

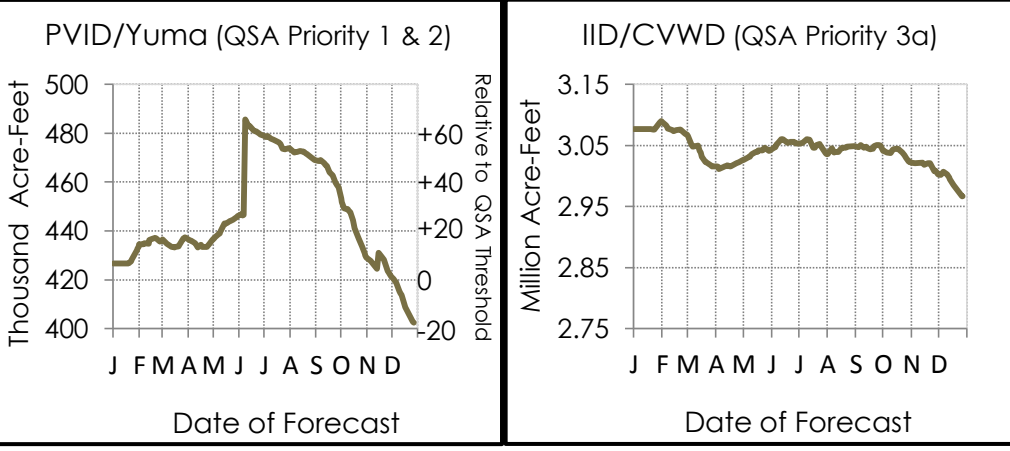
## Upper Colorado Basin Precip



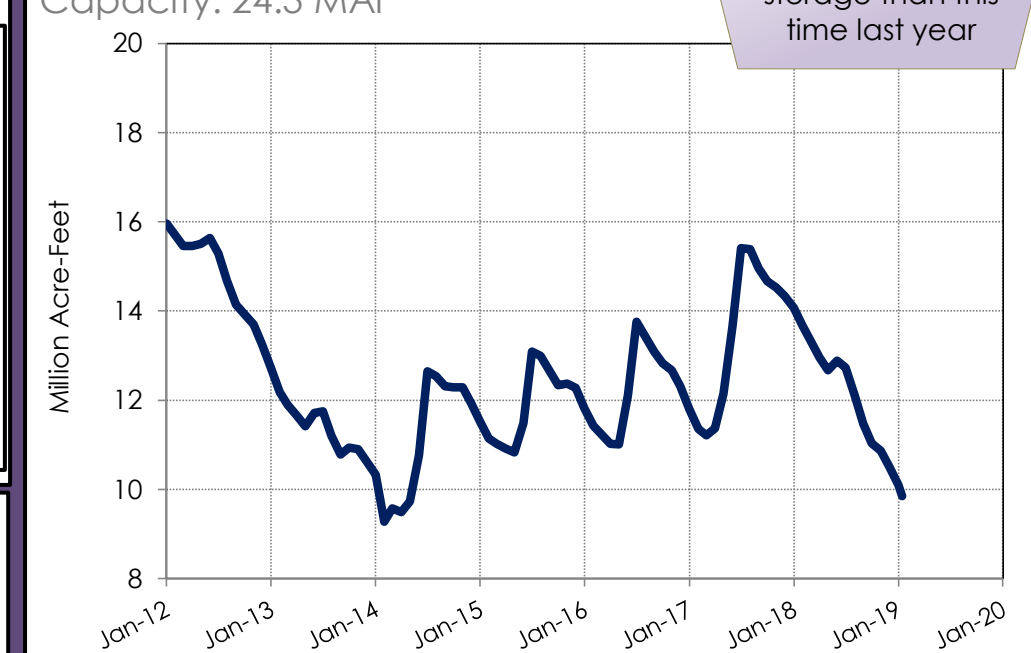
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

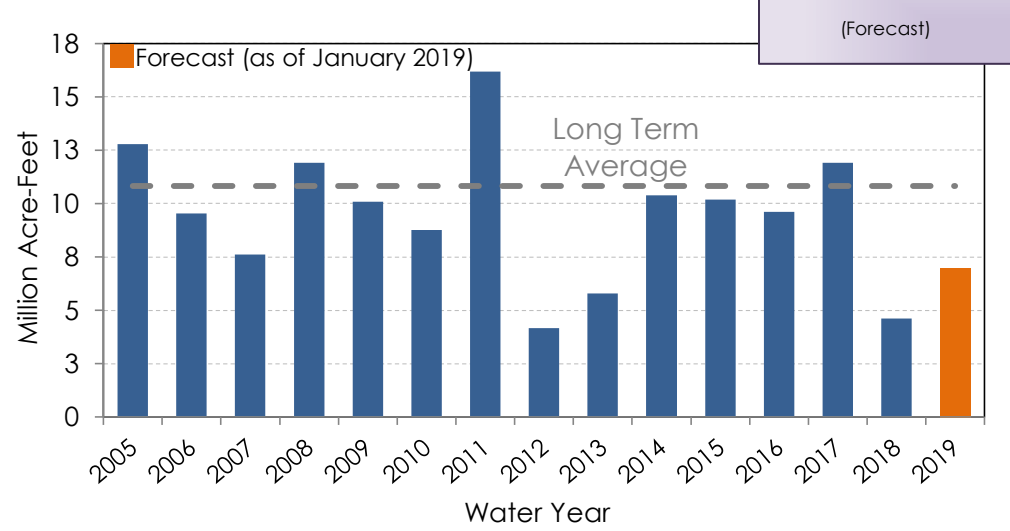


## Lake Mead Shortage/Surplus Outlook

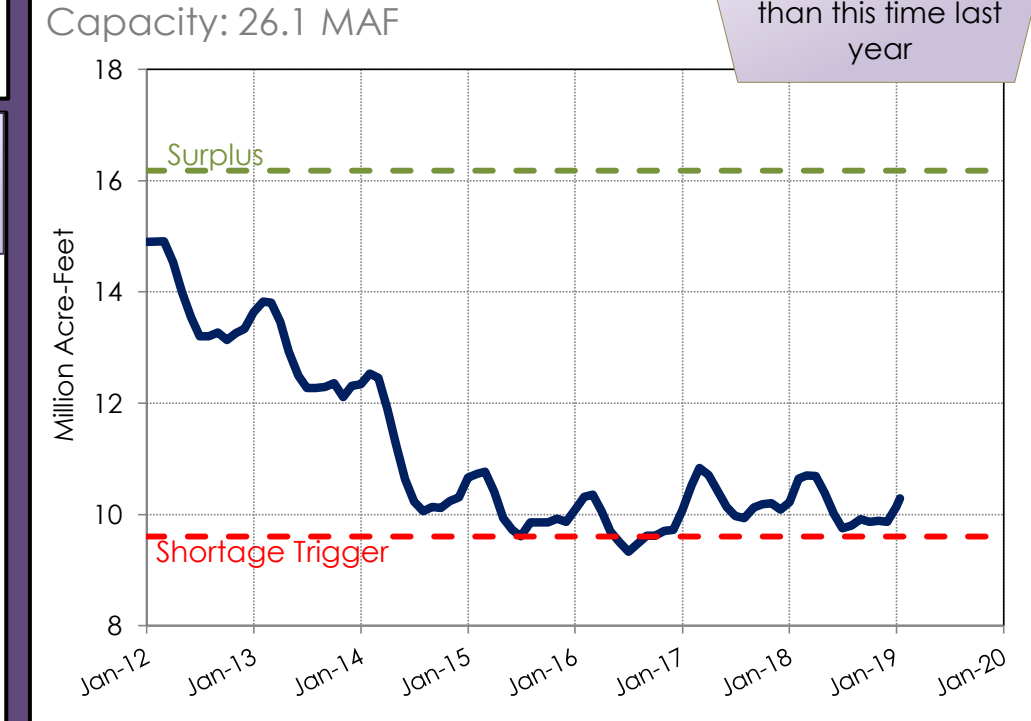
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

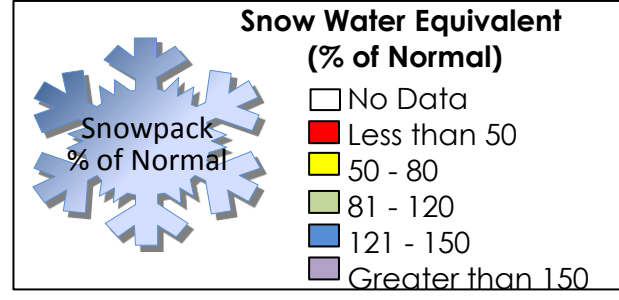
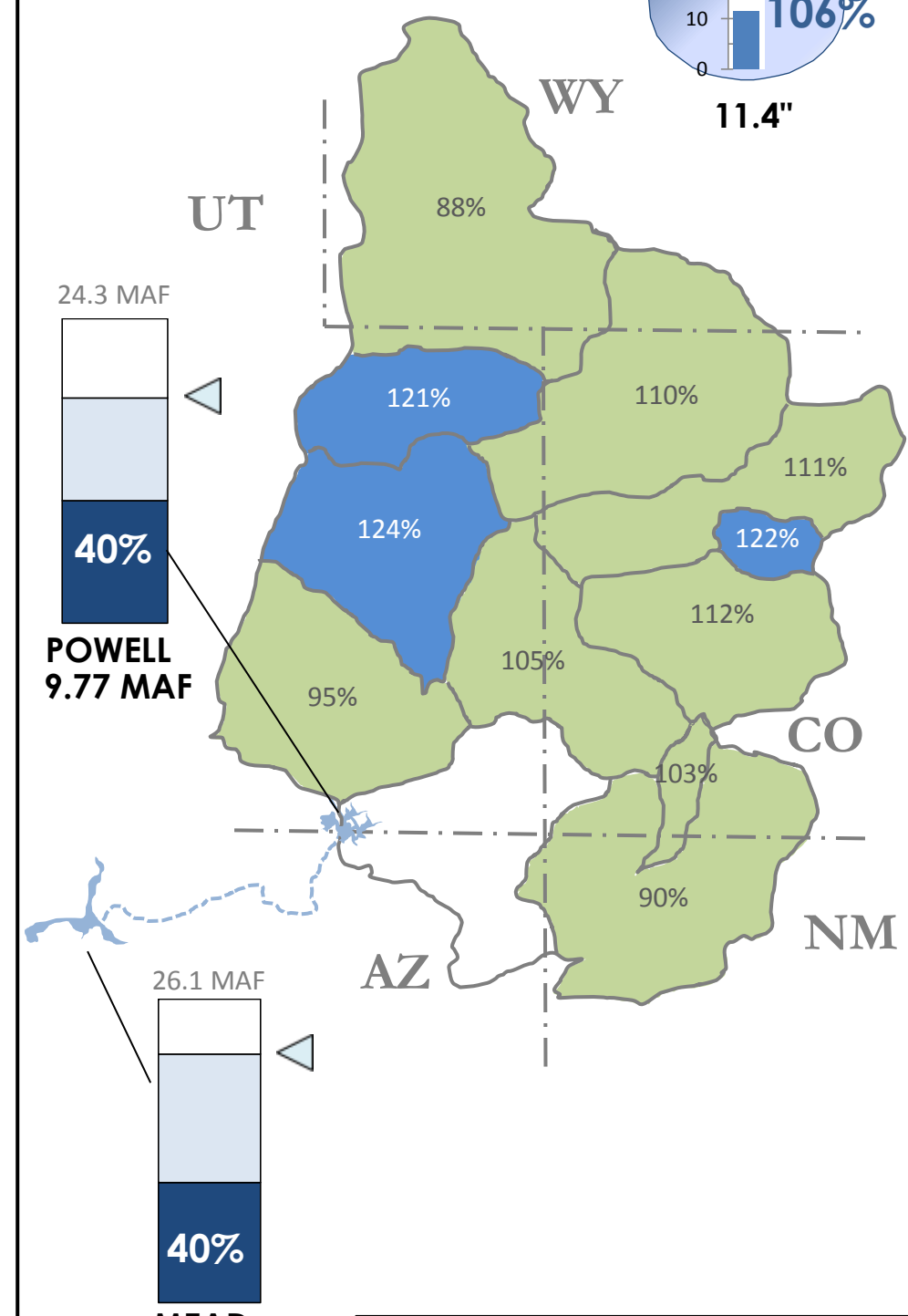
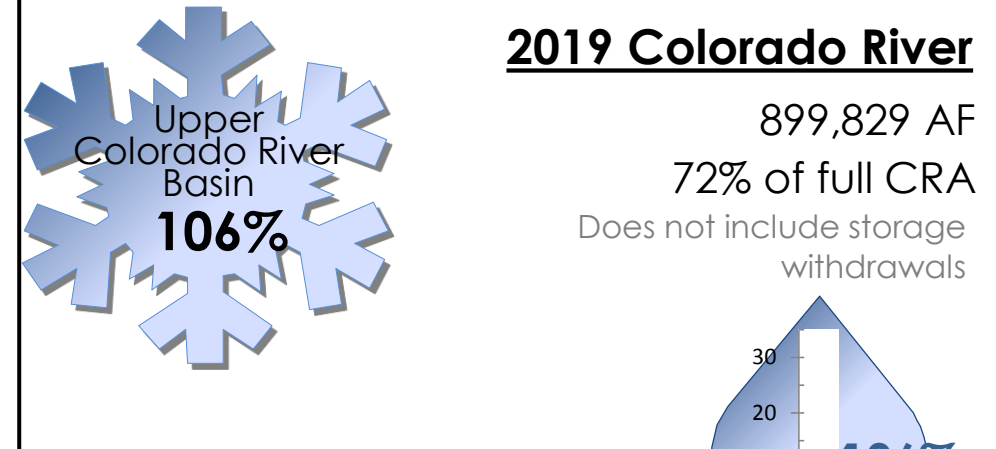
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



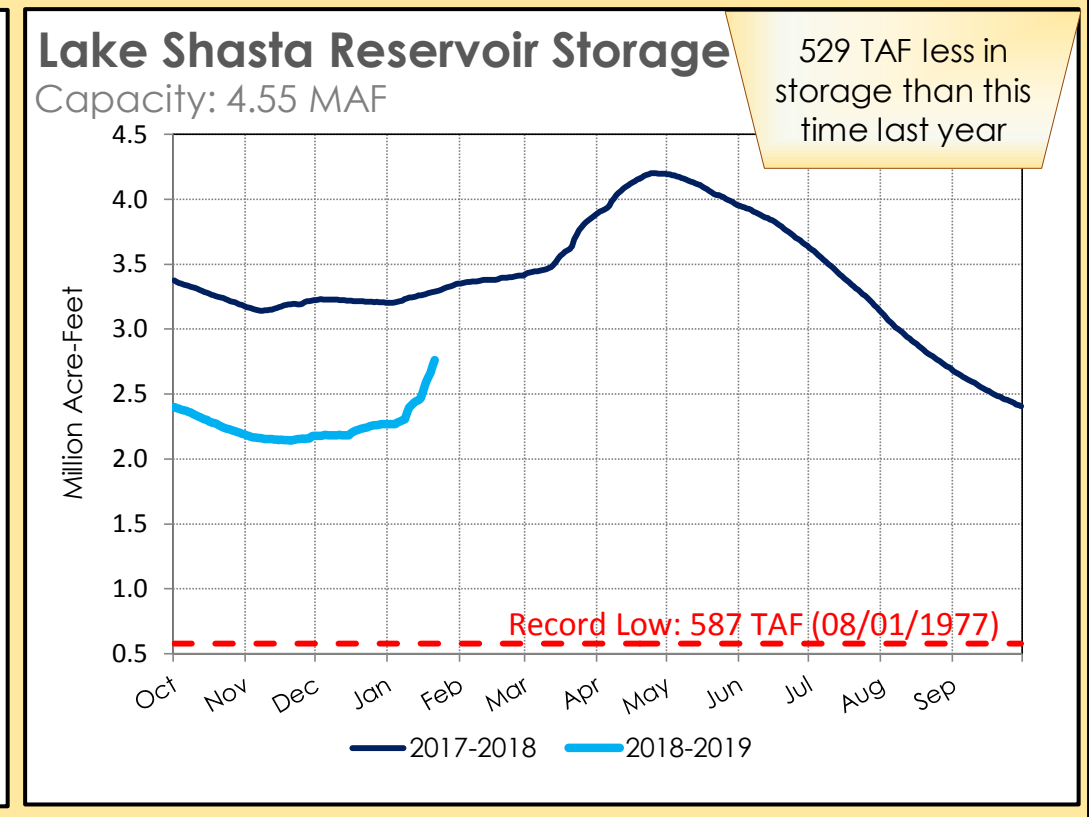
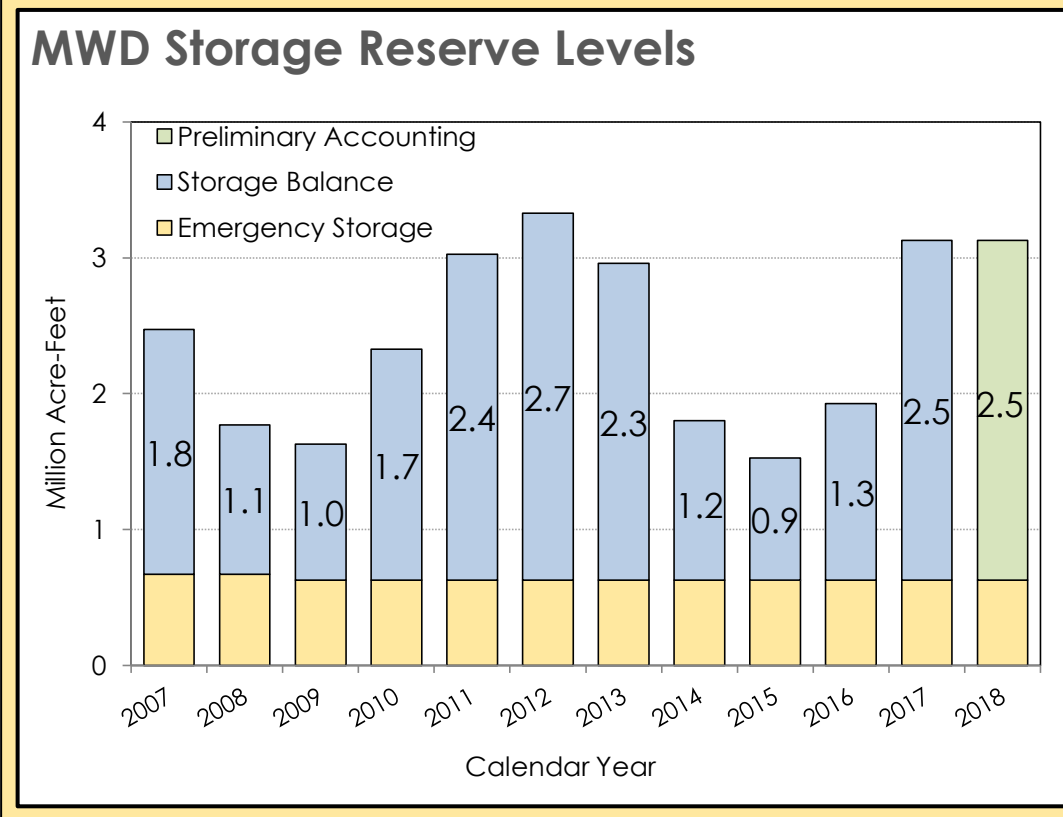
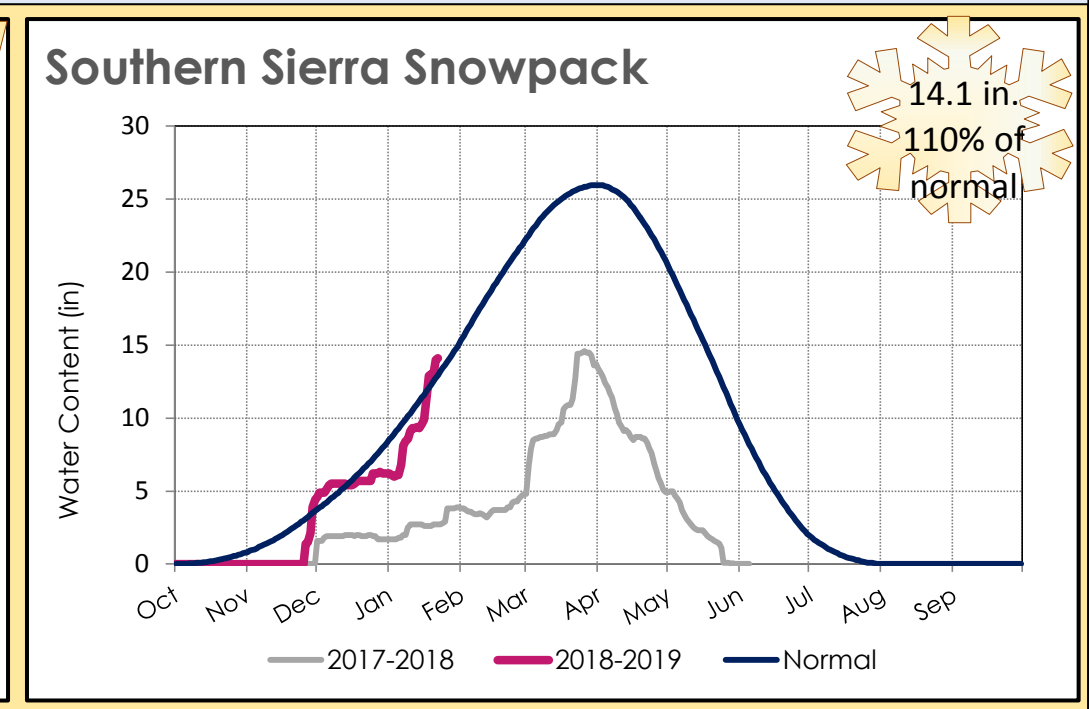
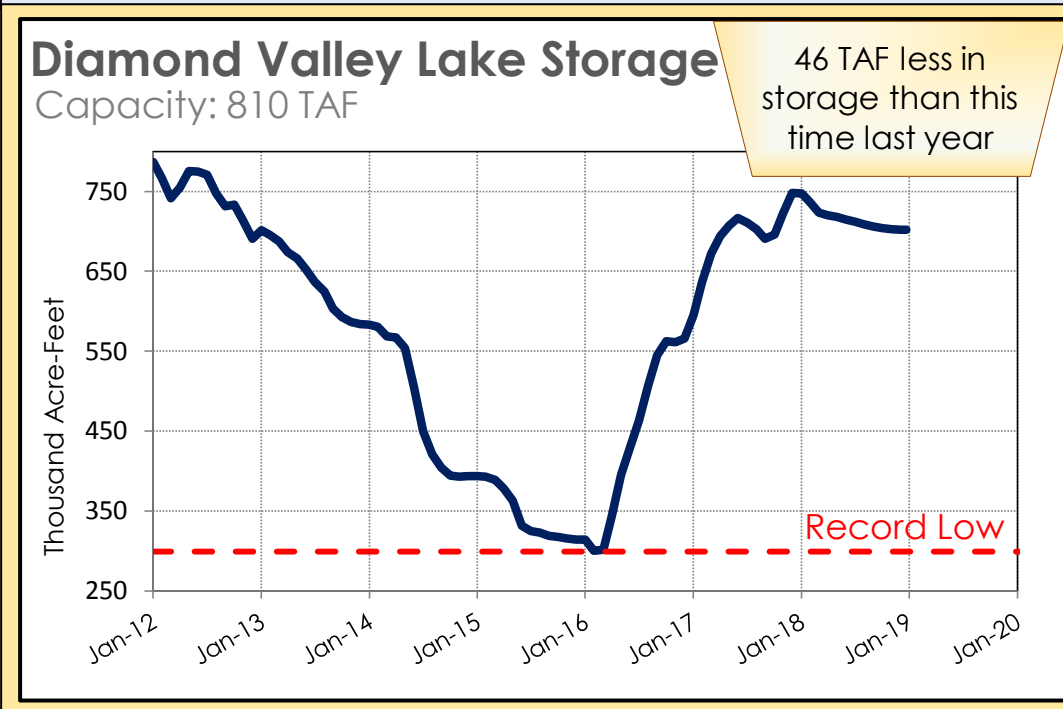
## Lake Mead Storage





### Highlights

- Northern Sierra snowpack is at 115% of normal
- Upper Colorado River Basin snowpack is at 106% of normal
- Southern California precipitation well above normal - Los Angeles (168% of normal) and San Diego (153% of normal)



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<http://www.mwdh2o.com/WSCR>

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**2019 SWP Allocation**  
191,150 AF  
10% of Table A

**Statewide 115%**

**OROVILLE** 1.30 MAF  
37%  
8 STA: 26.1"  
WY Avg 106%

**SAN LUIS TOT: 1.67 MAF SWP: 917 TAF**

**SAN LUIS** 2.04 MAF  
82%  
5 STA: 18.5"  
WY Avg 104%

**LA: 9.2"**  
168%  
WY Avg

**CASTAIC** 254 TAF  
78%  
810 TAF

**SD: 6.6"**  
153%  
WY Avg

**DVL** 702 TAF  
87%

WY Avg  
% Normal WY to Date  
Rainfall to Date (in)

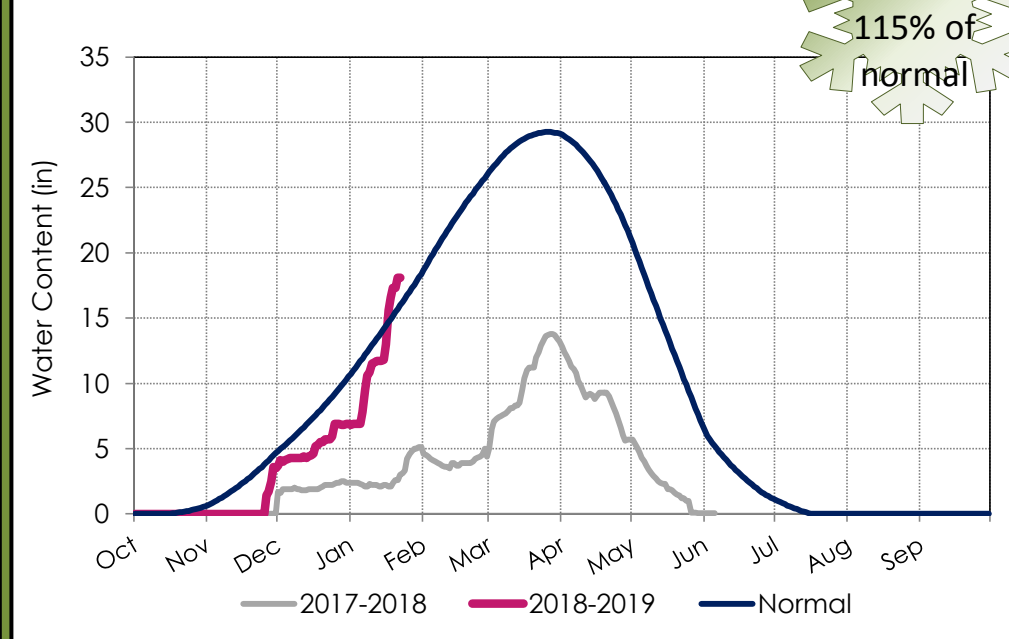
Capacity  
Average EOM  
Current Storage (% Capacity)

Flip Over for CRA Data | Turn page for more SWP Data

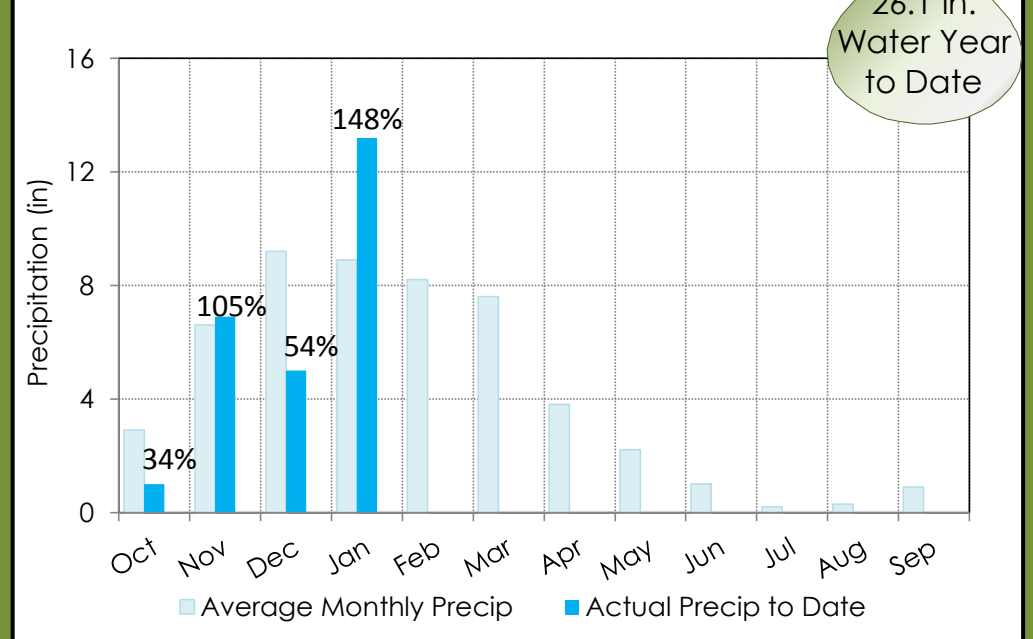
As of: 01/21/2019

# State Water Project Resources

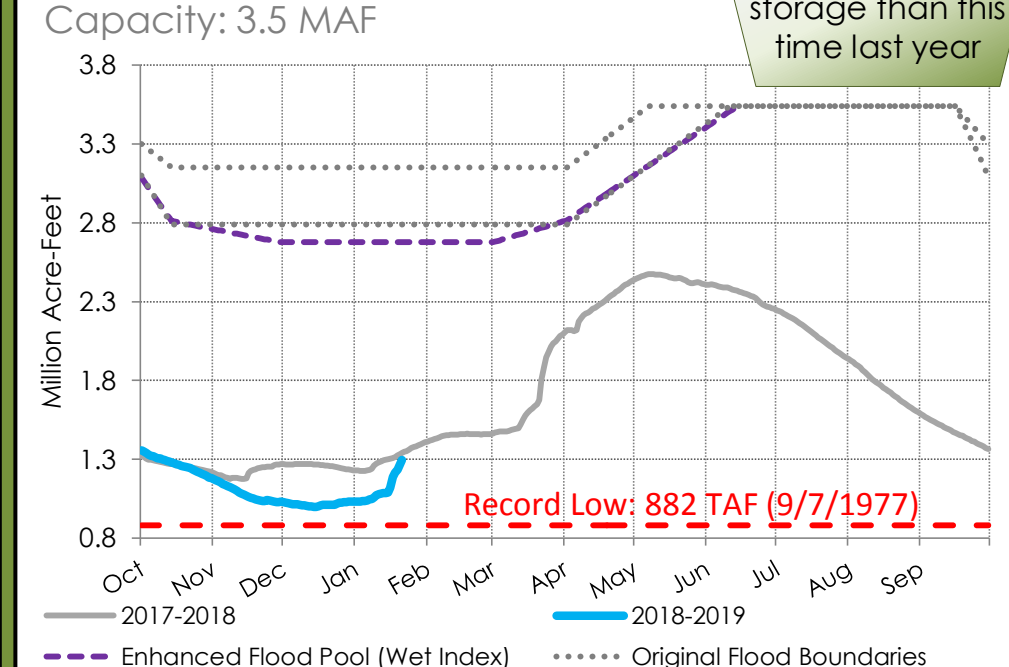
## Northern Sierra Snowpack



## 8 Station Index Precip



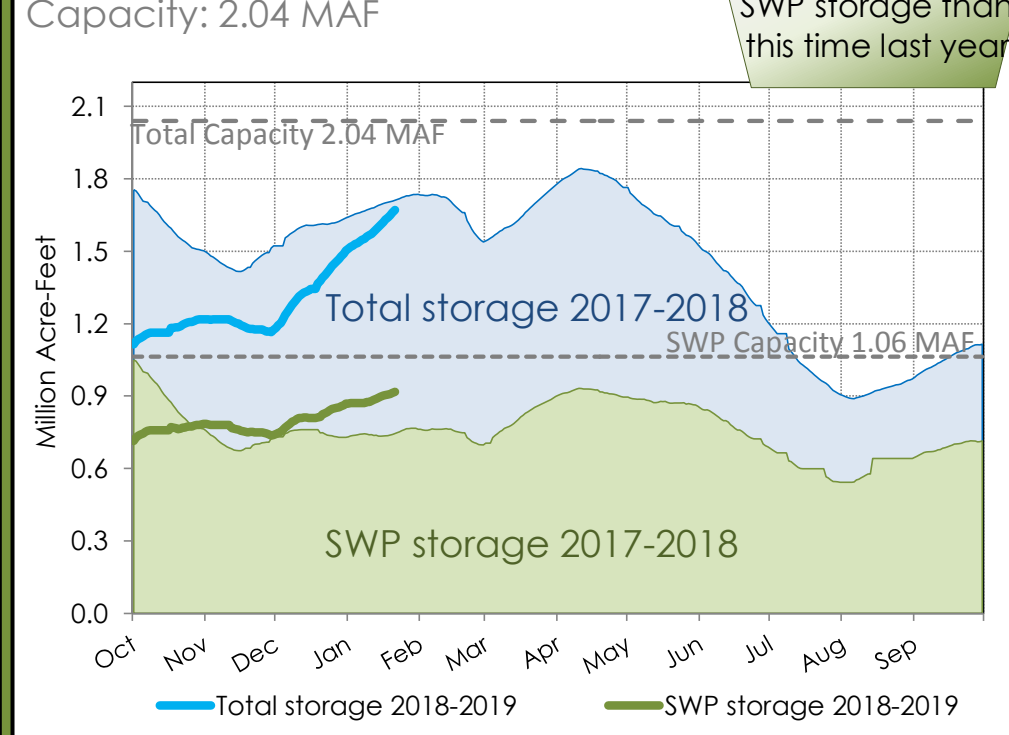
## Oroville Reservoir Storage



## 5 Station Index Precip



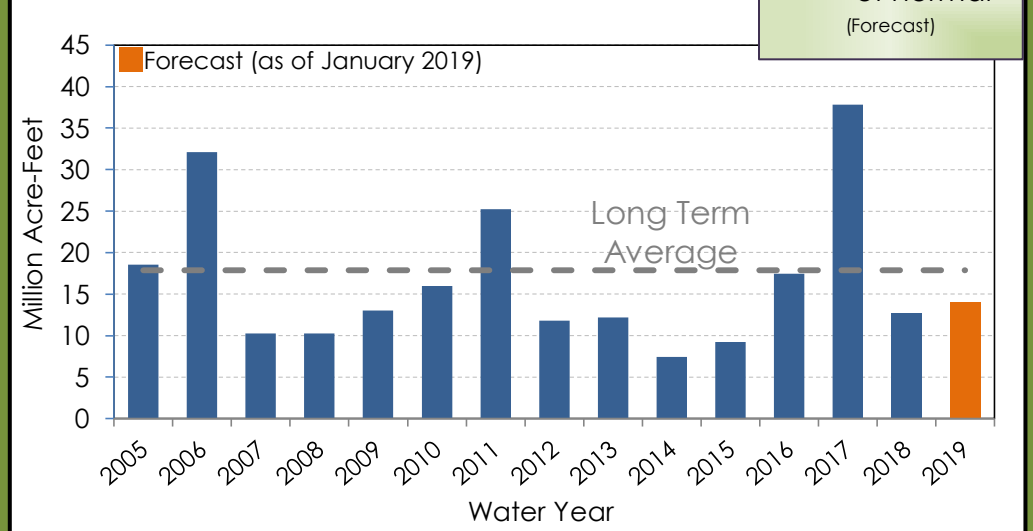
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

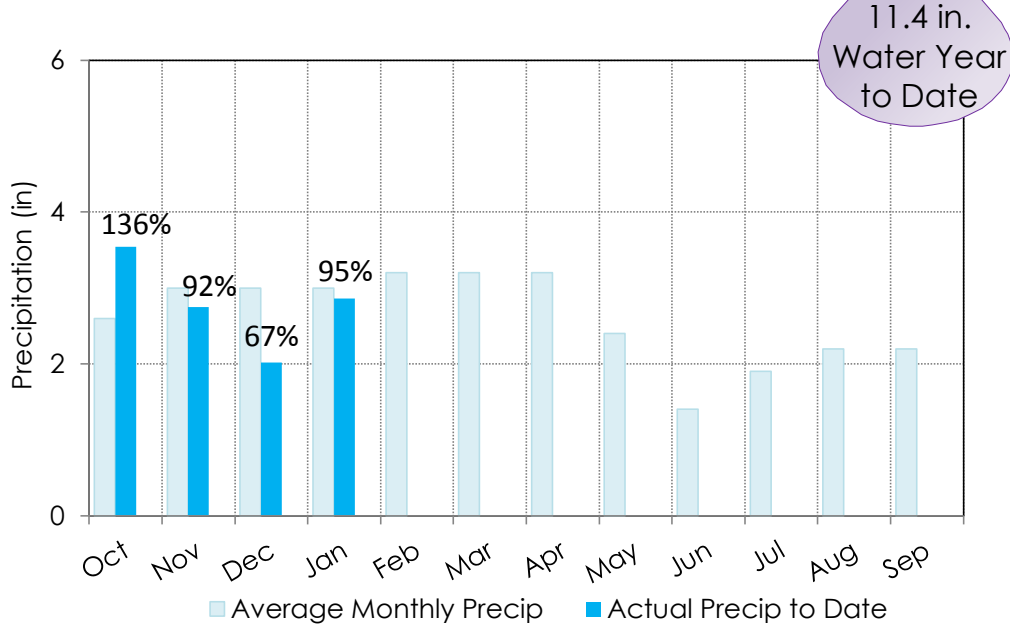
## Sacramento River Runoff



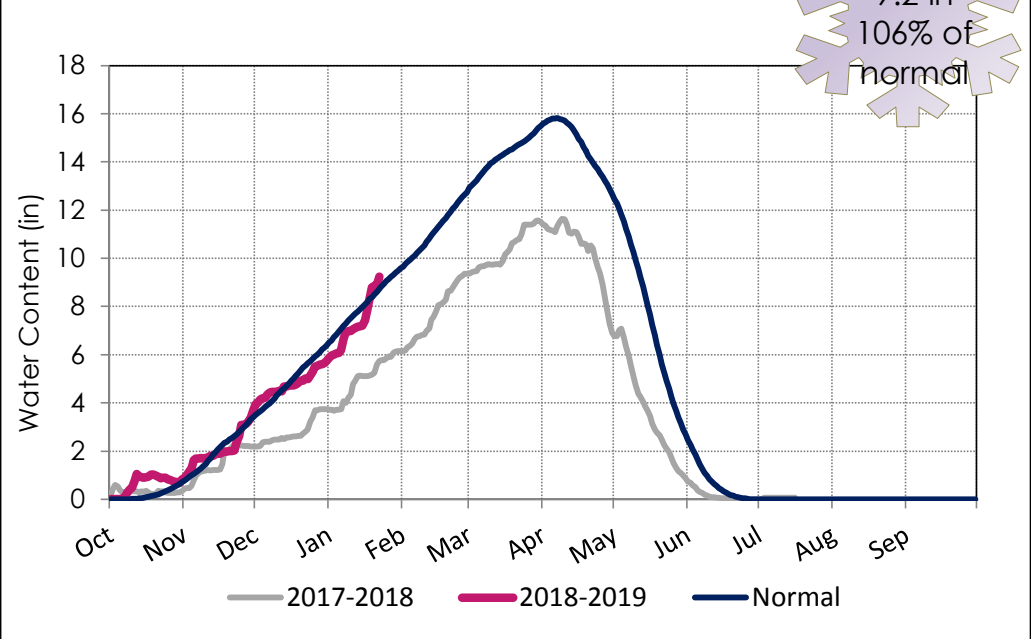
# Colorado River Resources

As of: 01/21/2019

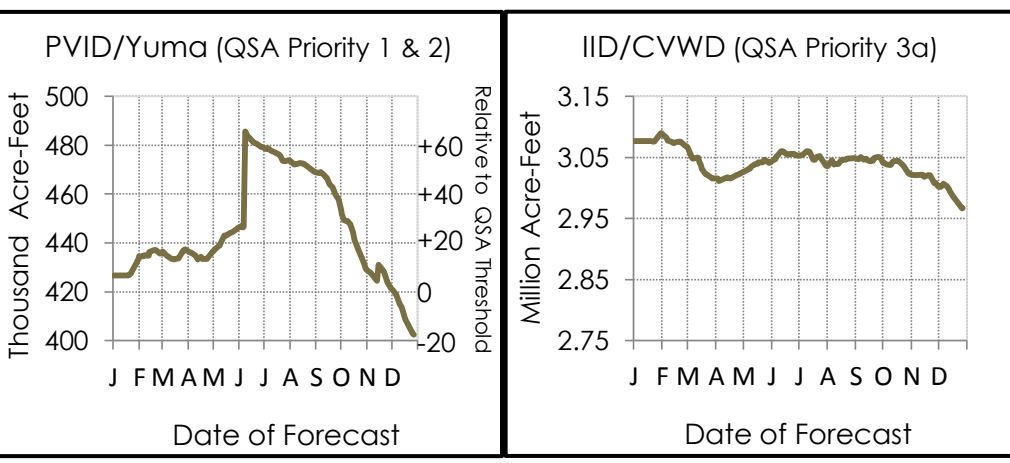
## Upper Colorado Basin Precip



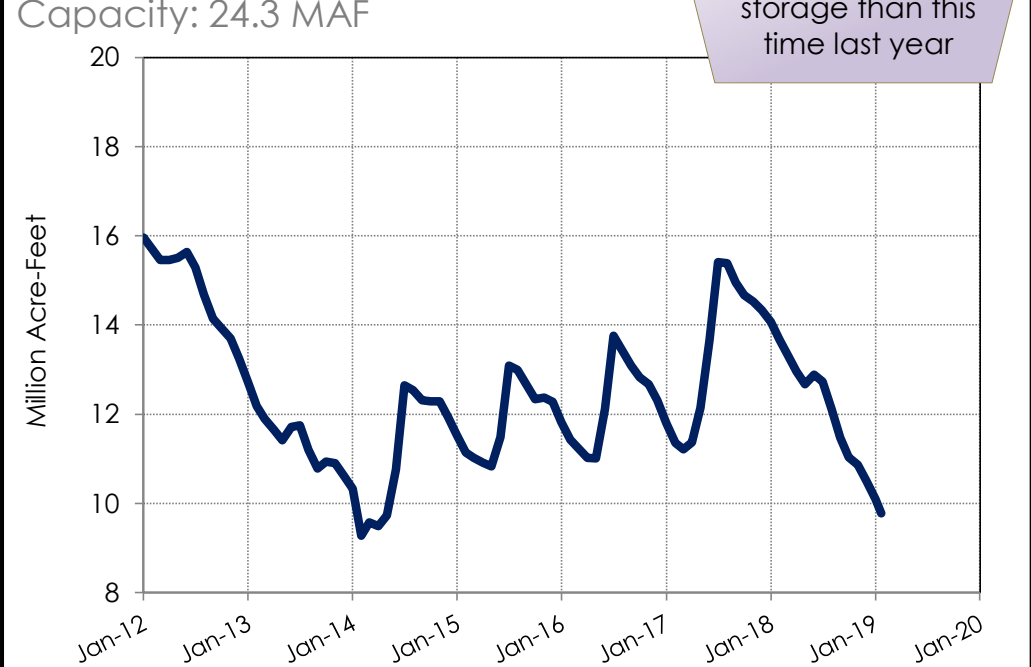
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

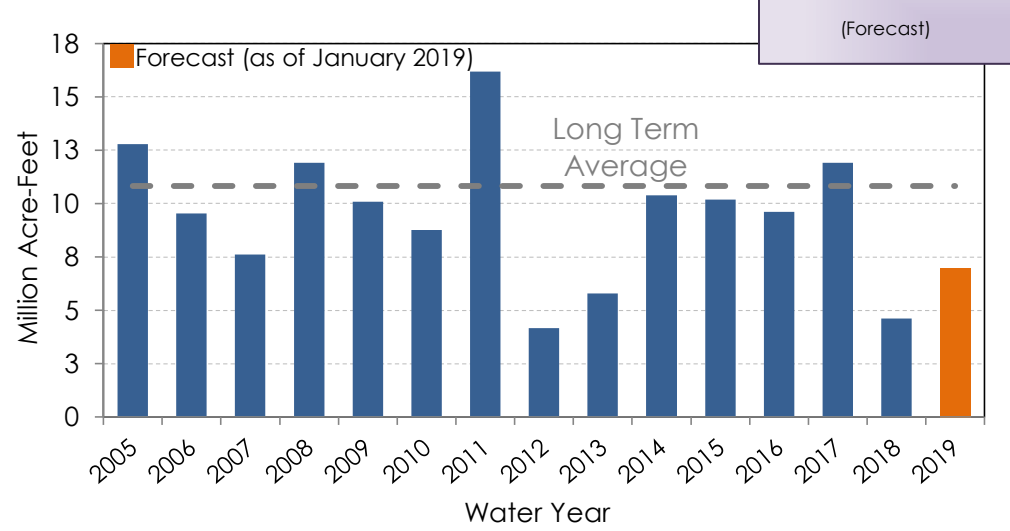


## Lake Mead Shortage/Surplus Outlook

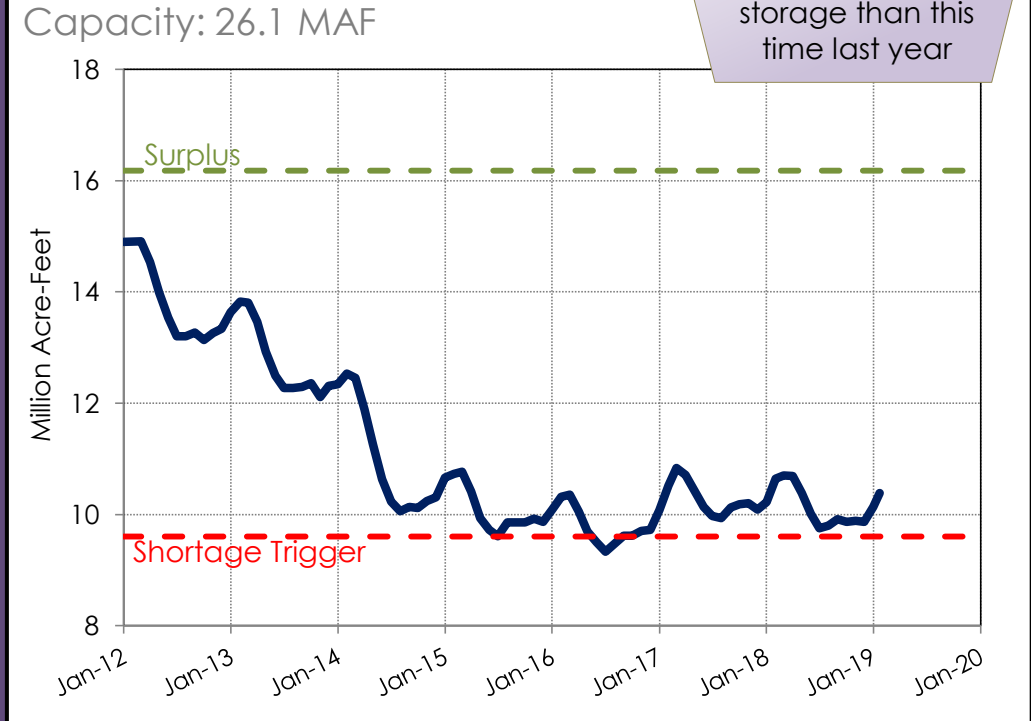
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

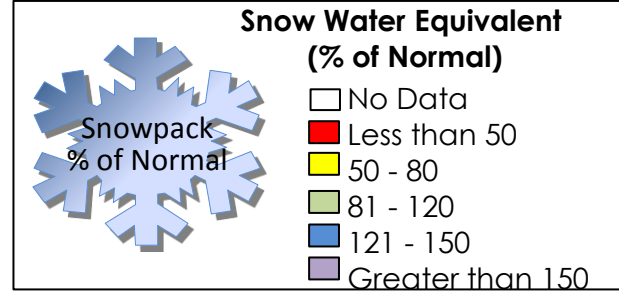
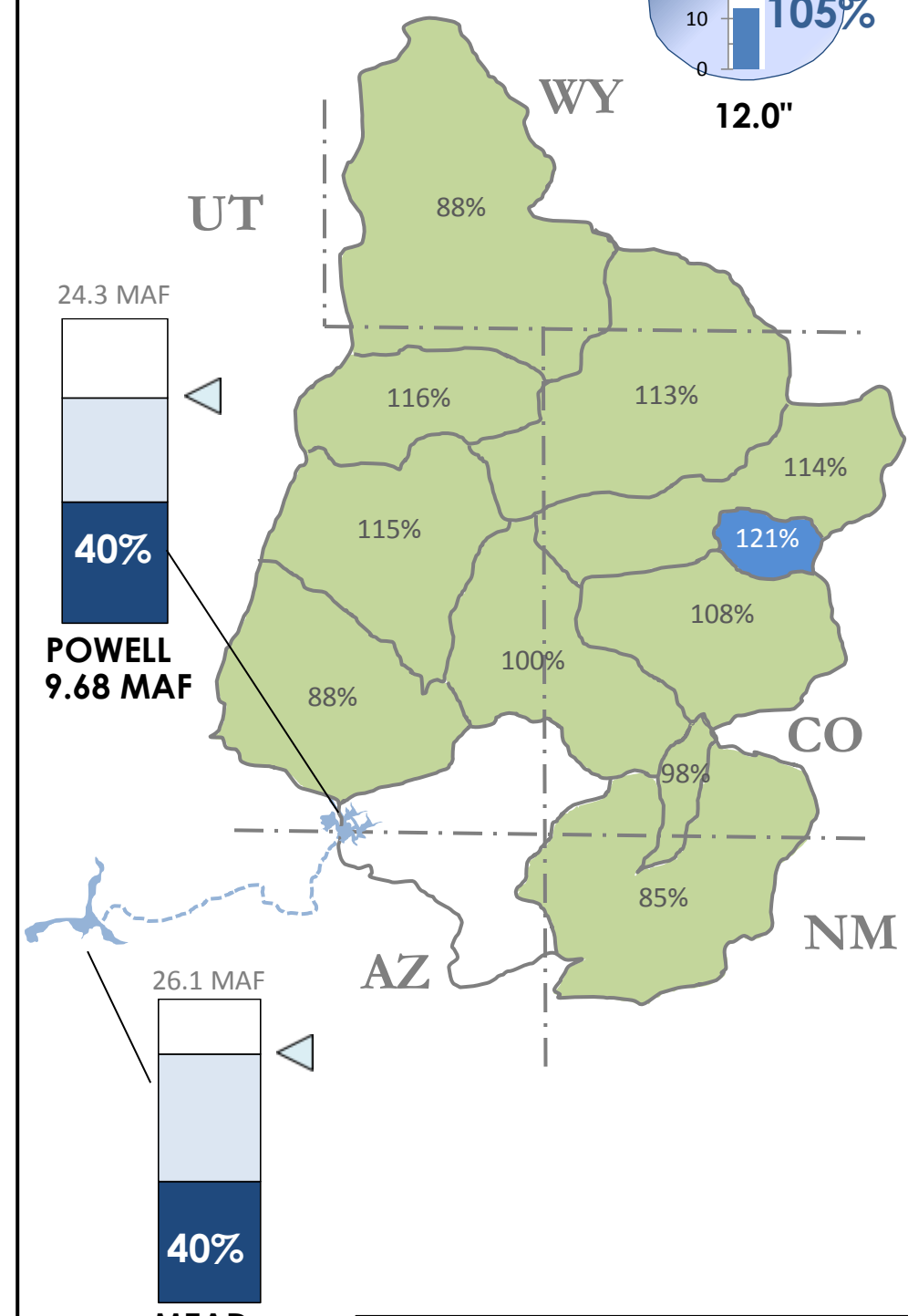
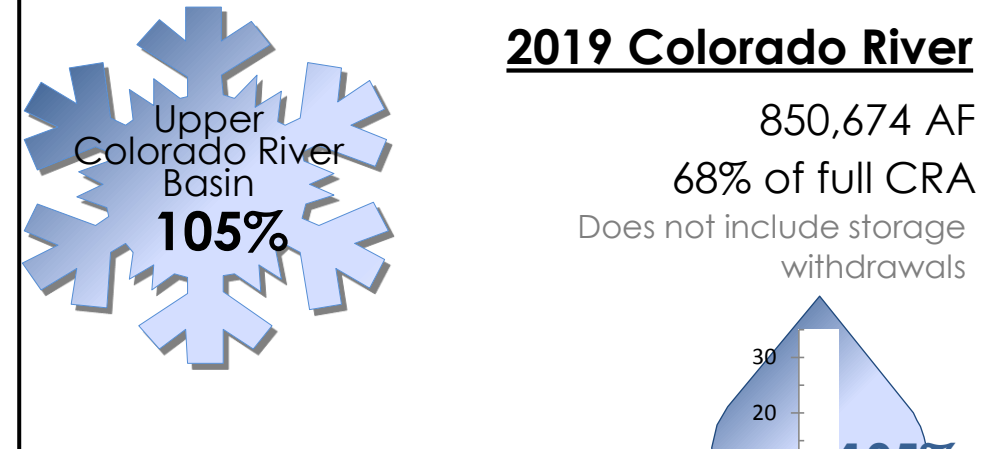
Likelihood based on results from the August 2018 CRSS model run.

## Powell Unregulated Inflow



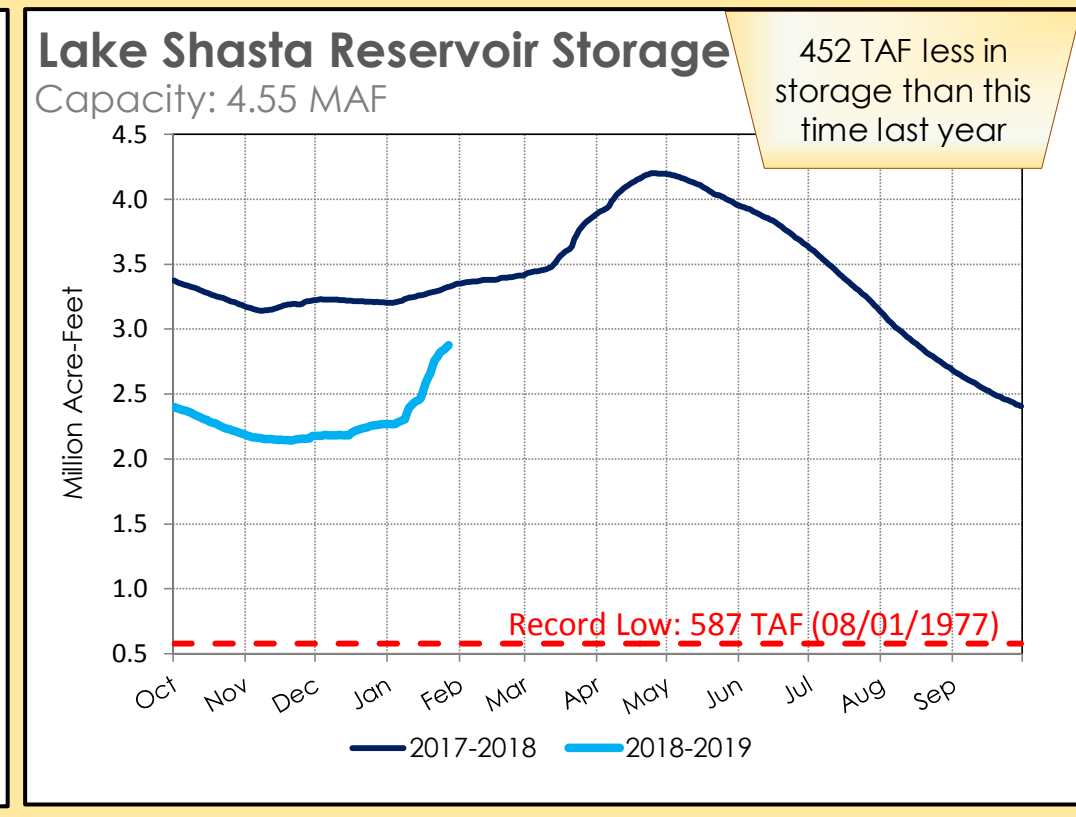
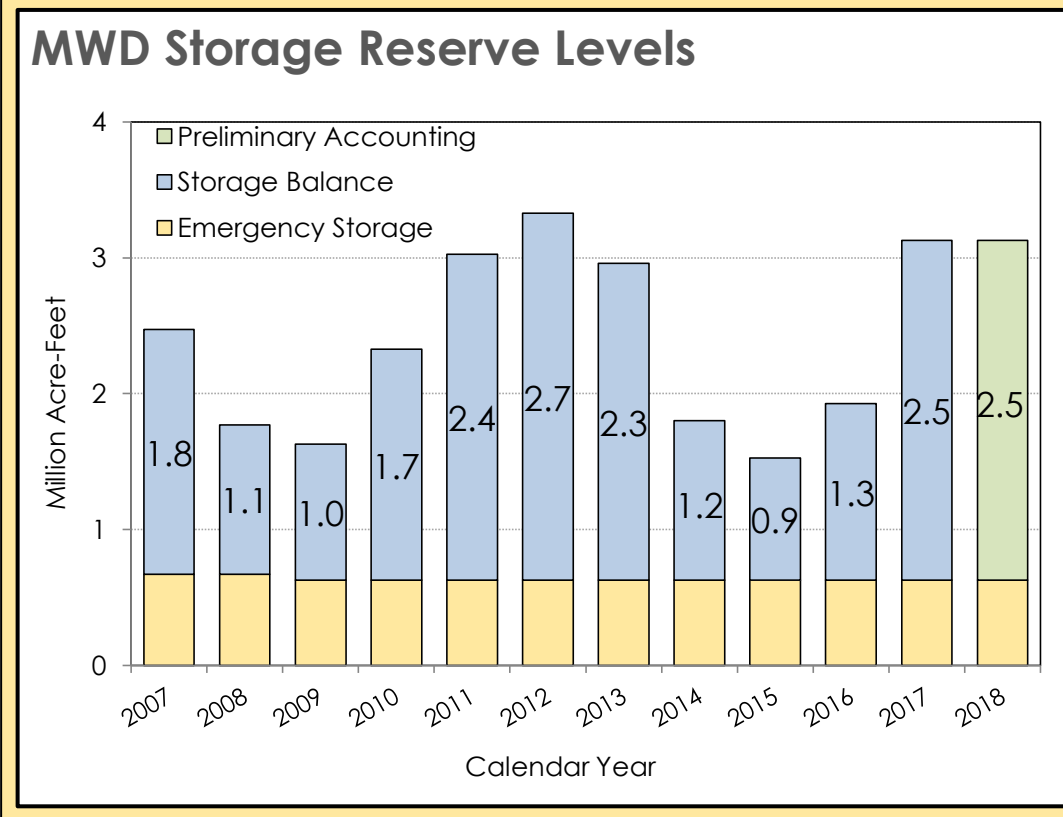
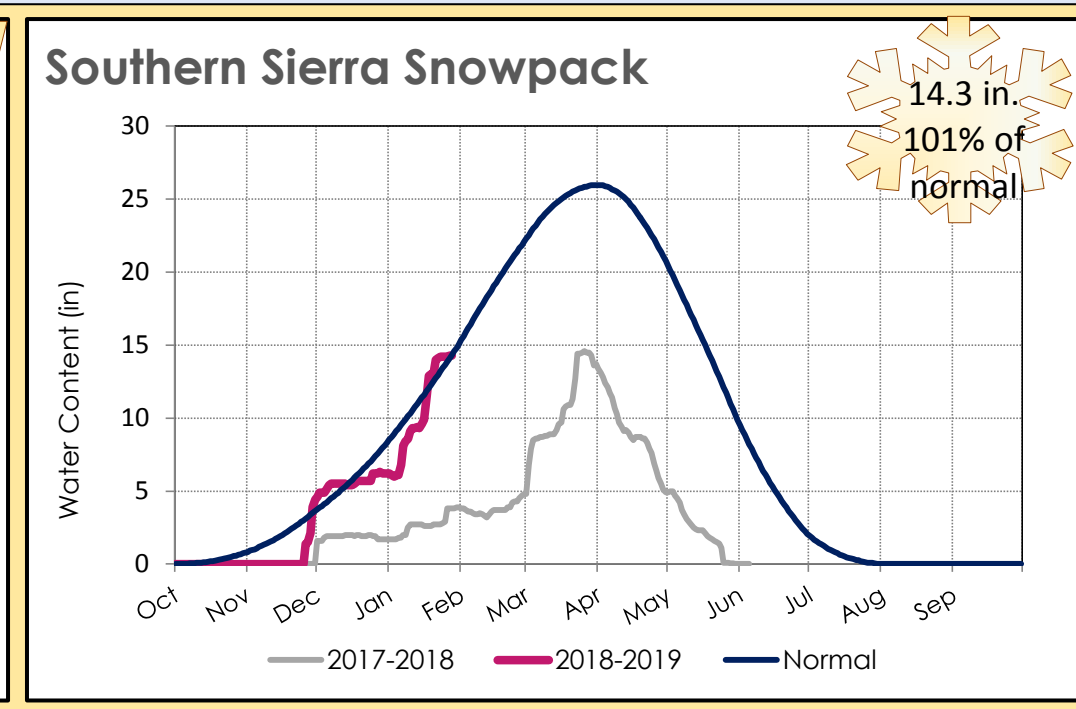
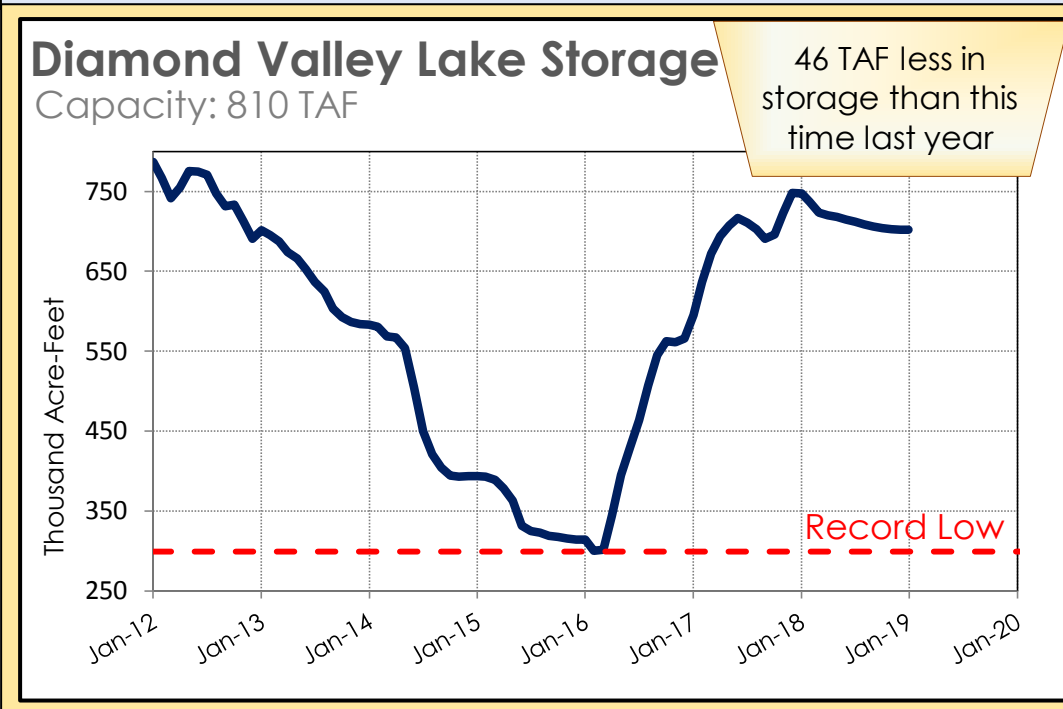
## Lake Mead Storage





### Highlights

- Northern Sierra snowpack is at 105% of normal
- Upper Colorado River Basin snowpack is at 105% of normal
- Southern California precipitation above normal - Los Angeles (151% of normal) and San Diego (139% of normal)



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**2019 SWP Allocation**  
286,725 AF  
15% of Table A  
Statewide **105%**

**OROVILLE 1.37 MAF**  
**39%**  
8 STA: 26.1"

**SAN LUIS TOT: 1.72 MAF SWP: 930 TAF**  
**85%**  
5 STA: 18.5"

**CASTAIC 247 TAF**  
**76%**  
LA: 9.2"

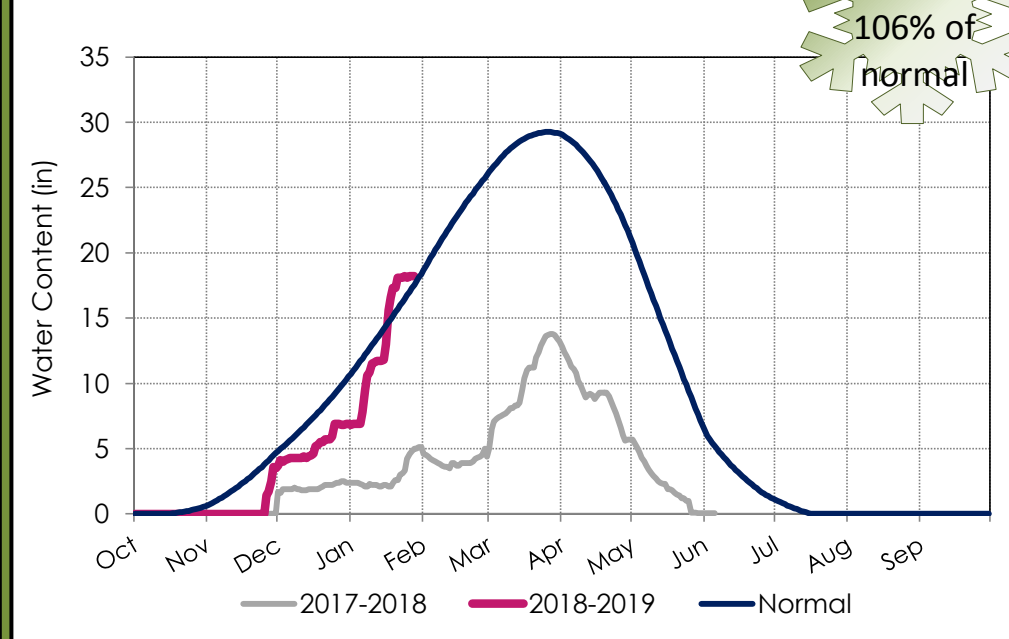
**DVL 702 TAF**  
**87%**  
SD: 6.6"

**Legend:**  
Rainfall to Date (in) | WY Avg | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

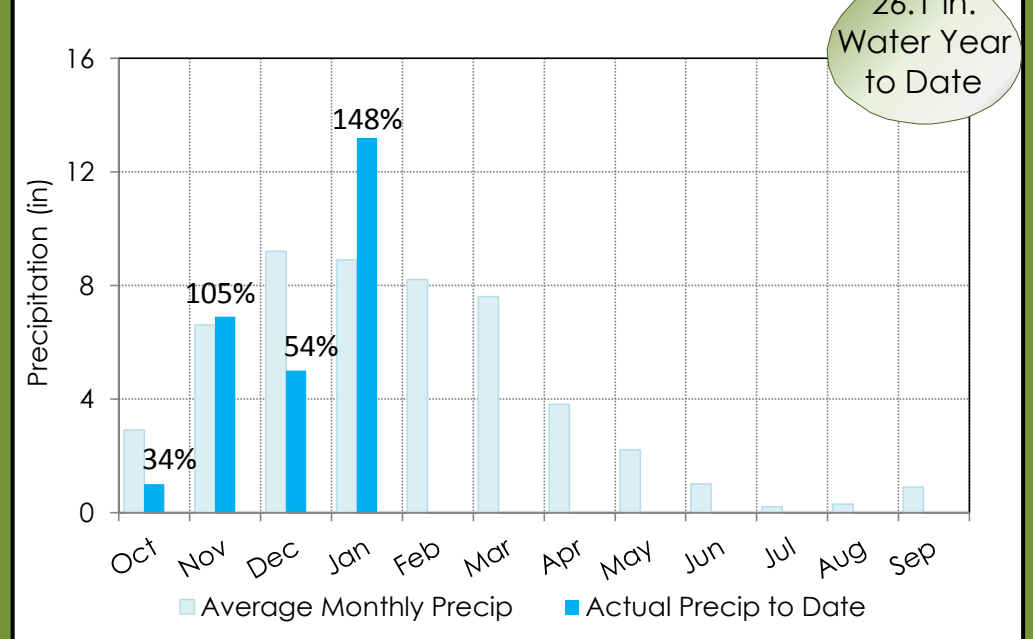
As of: 01/27/2019

# State Water Project Resources

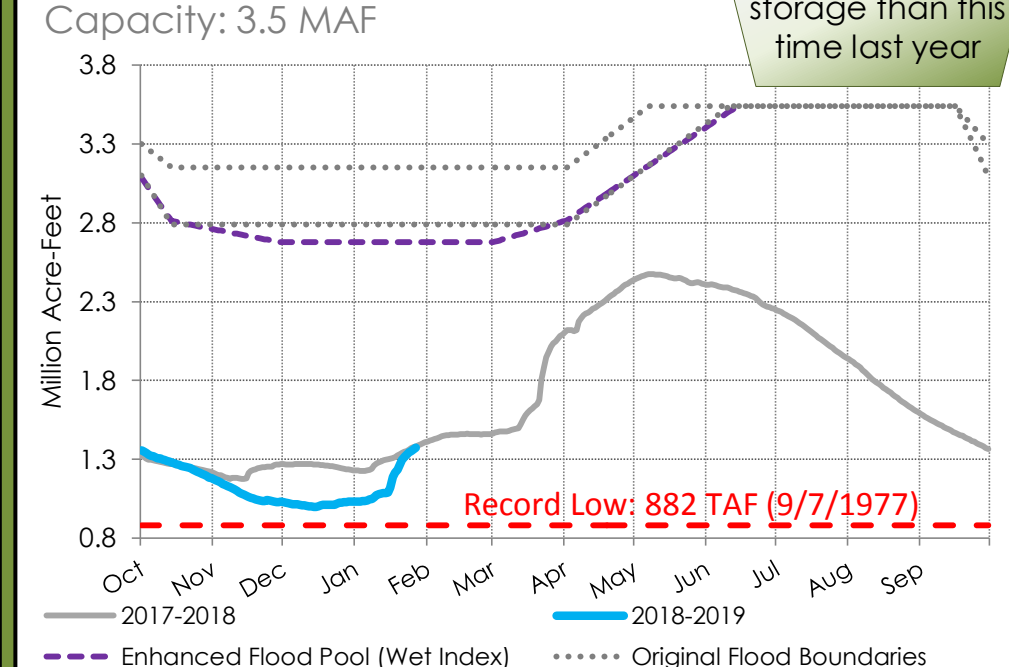
## Northern Sierra Snowpack



## 8 Station Index Precip



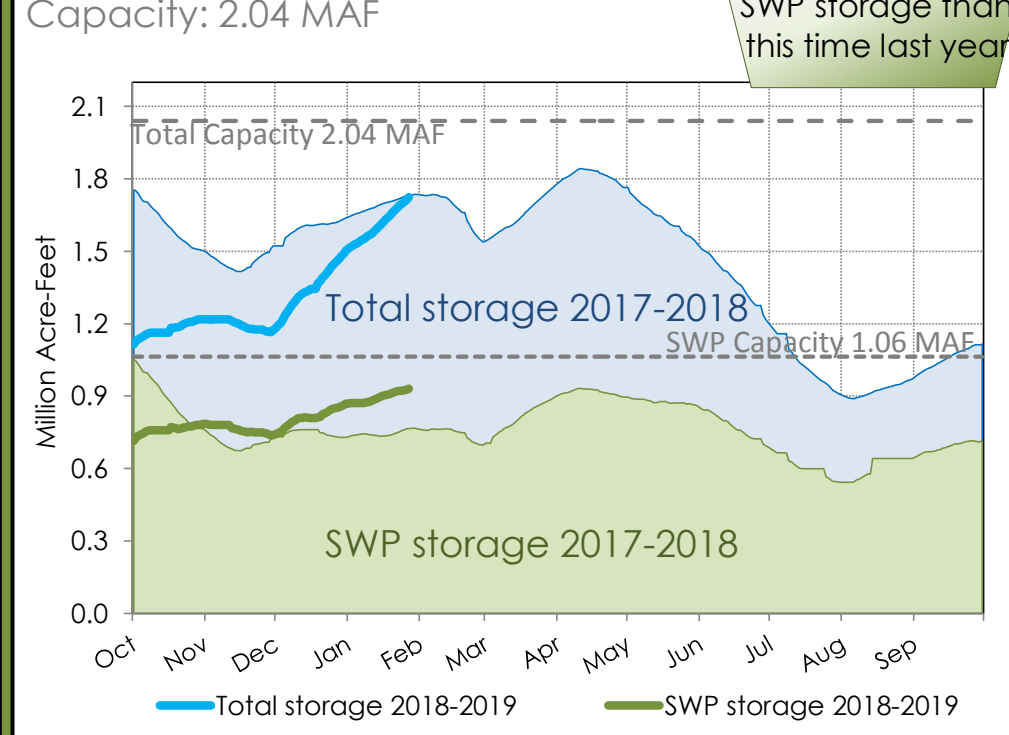
## Oroville Reservoir Storage



## 5 Station Index Precip



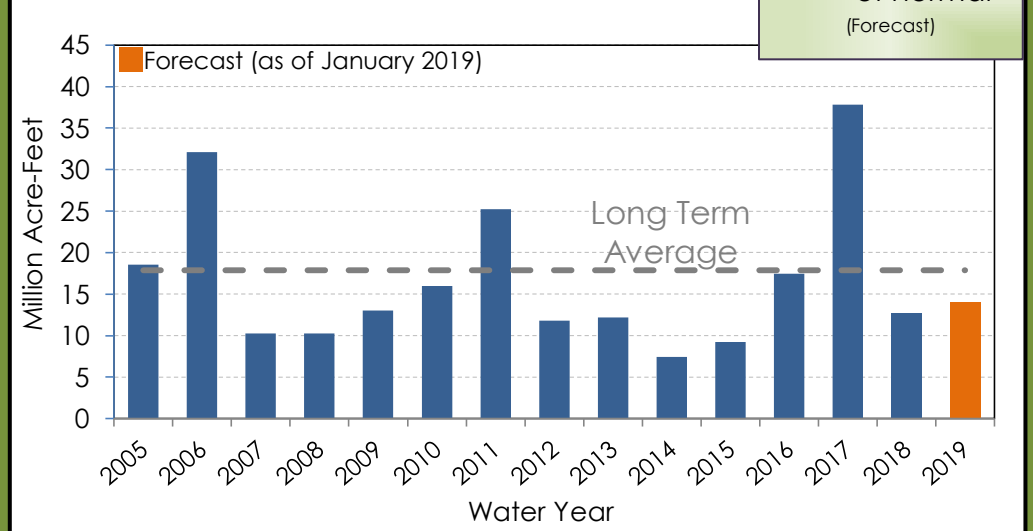
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

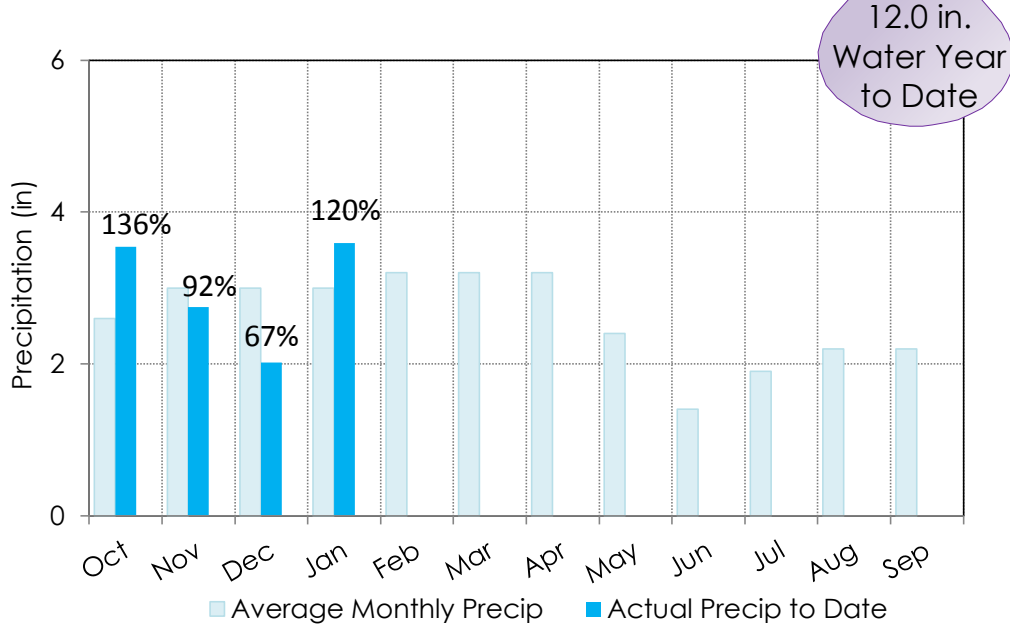
## Sacramento River Runoff



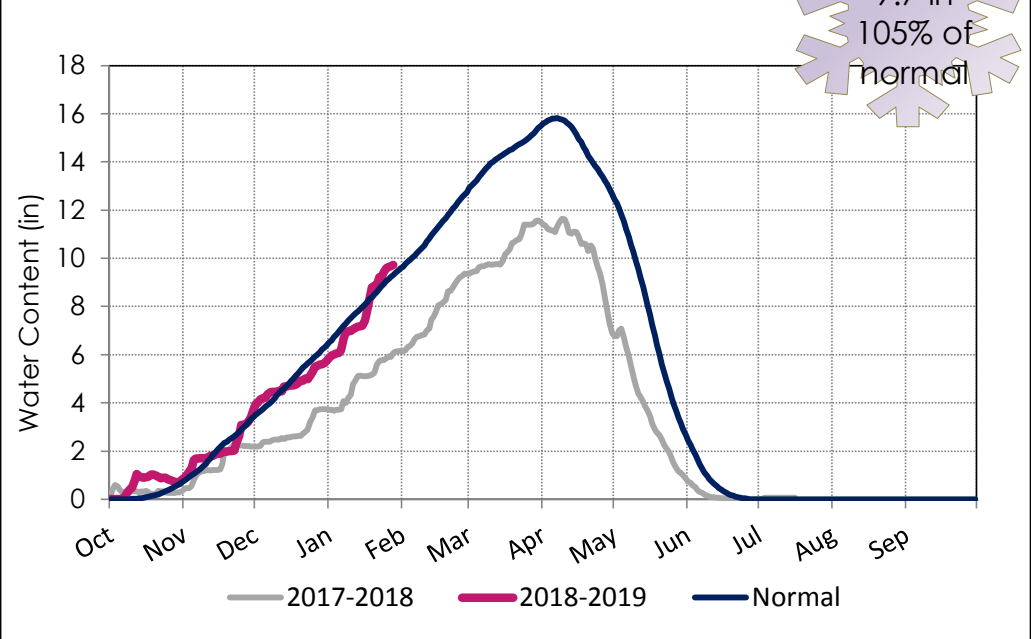
# Colorado River Resources

As of: 01/27/2019

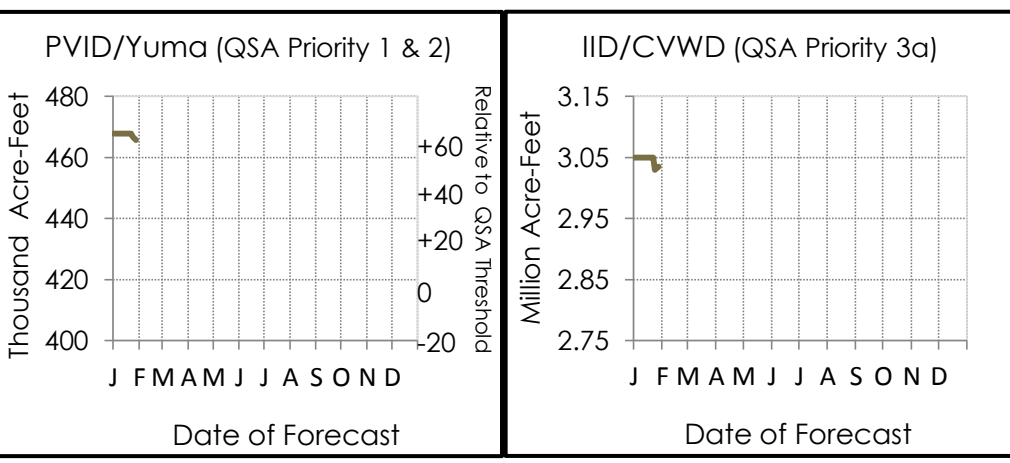
## Upper Colorado Basin Precip



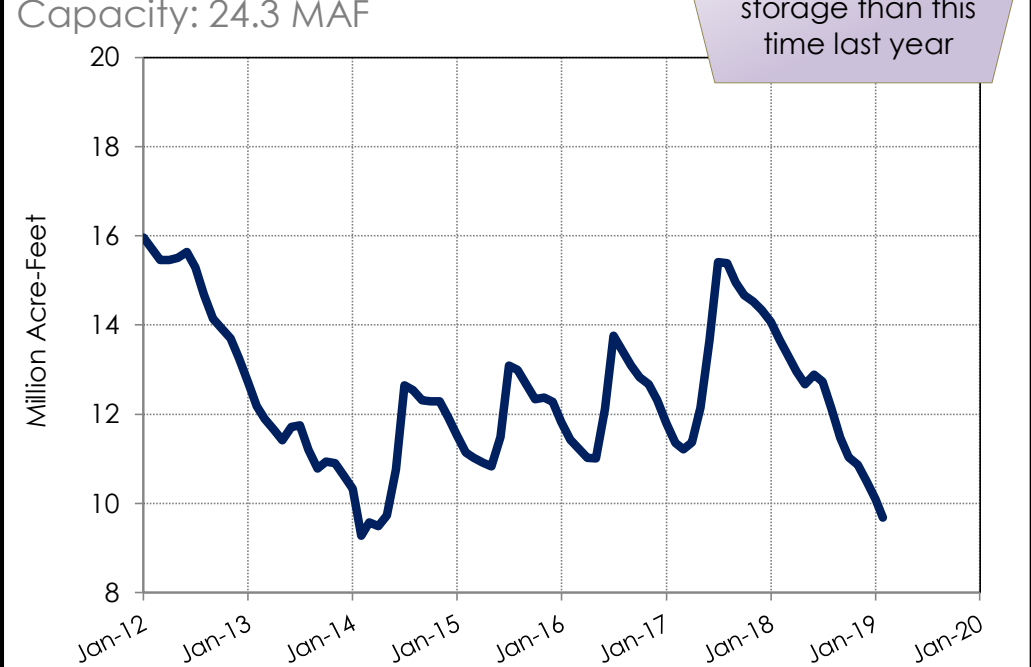
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

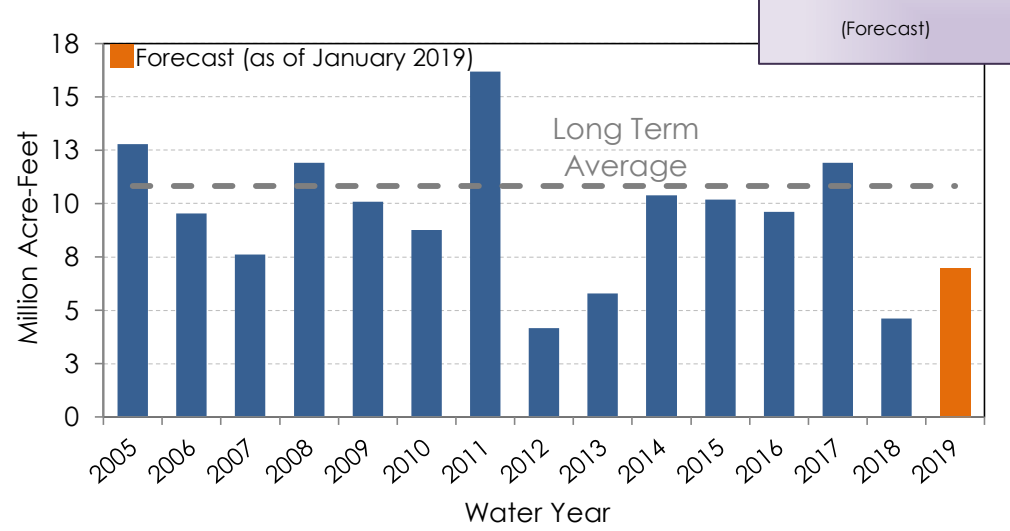


## Lake Mead Shortage/Surplus Outlook

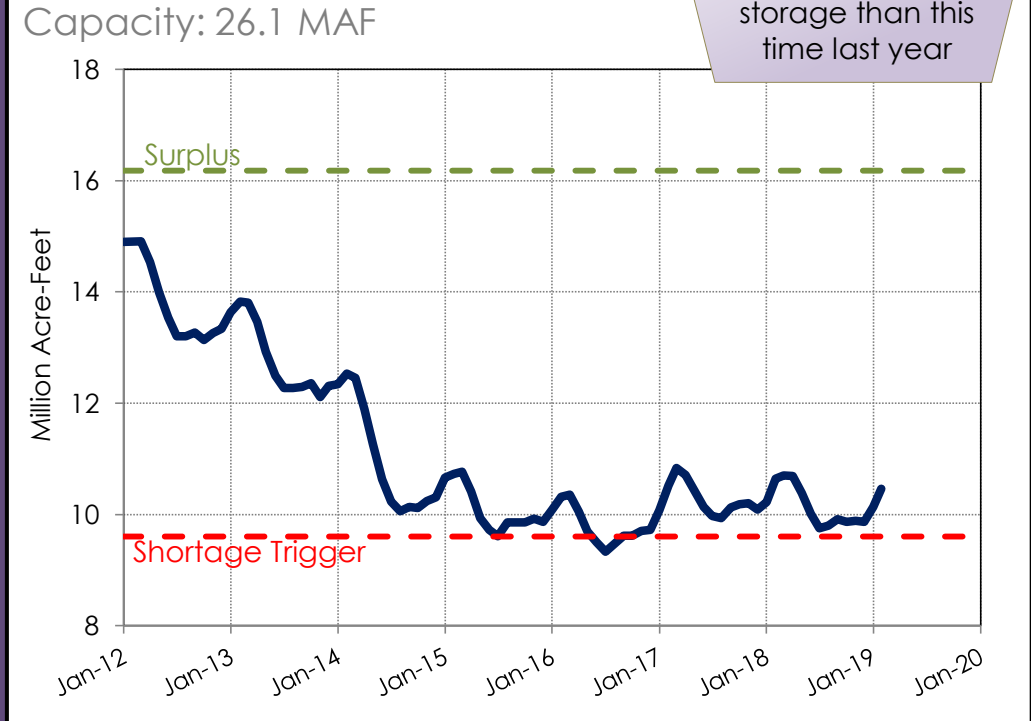
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

Likelihood based on results from the August 2018 CRSS model run.

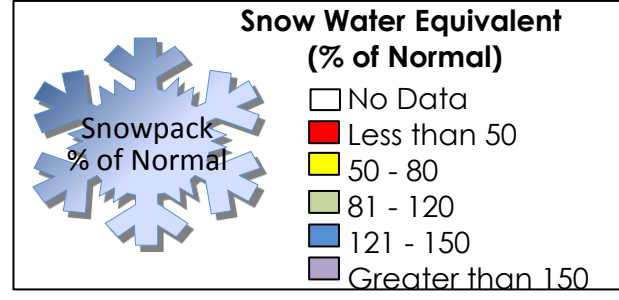
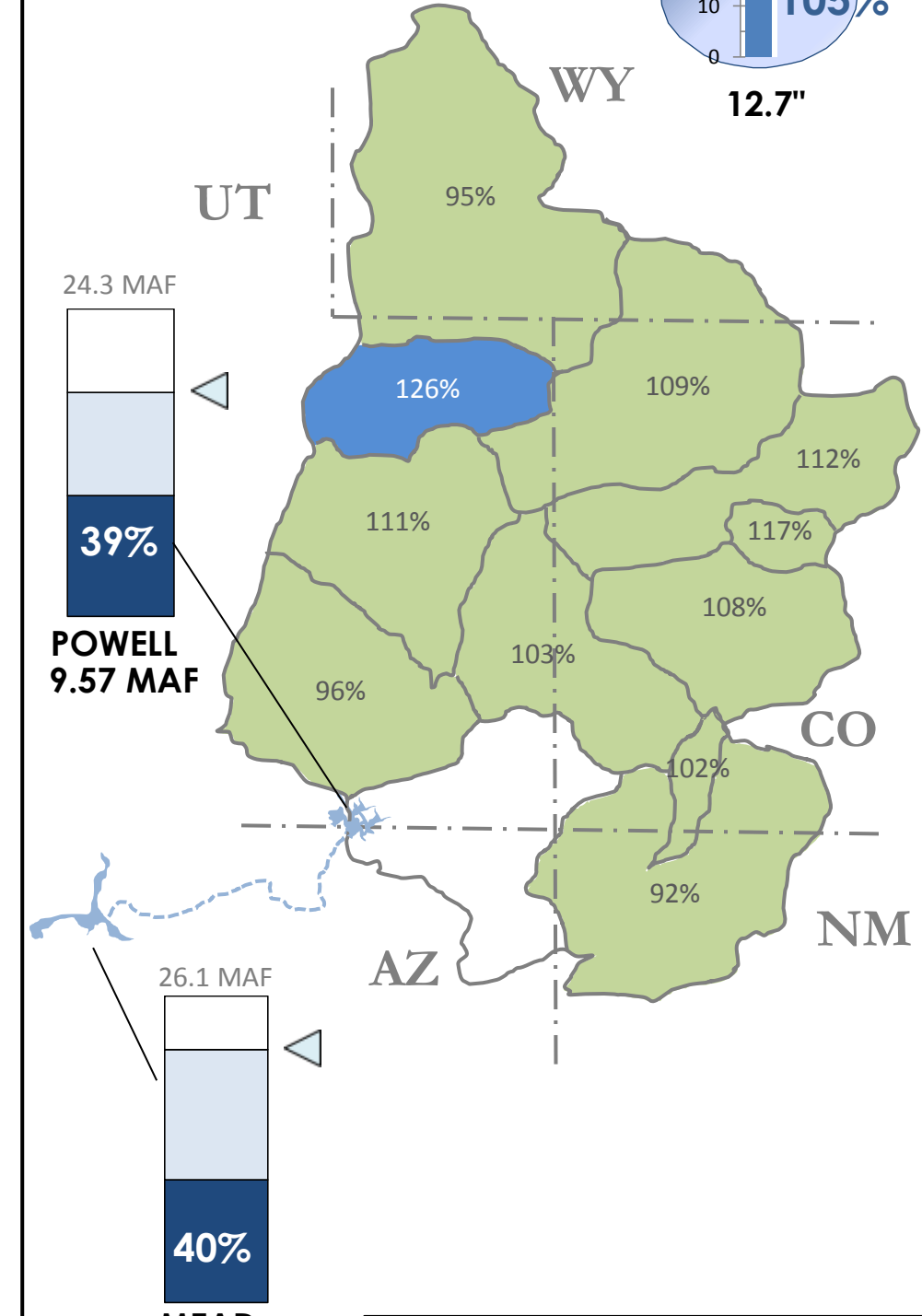
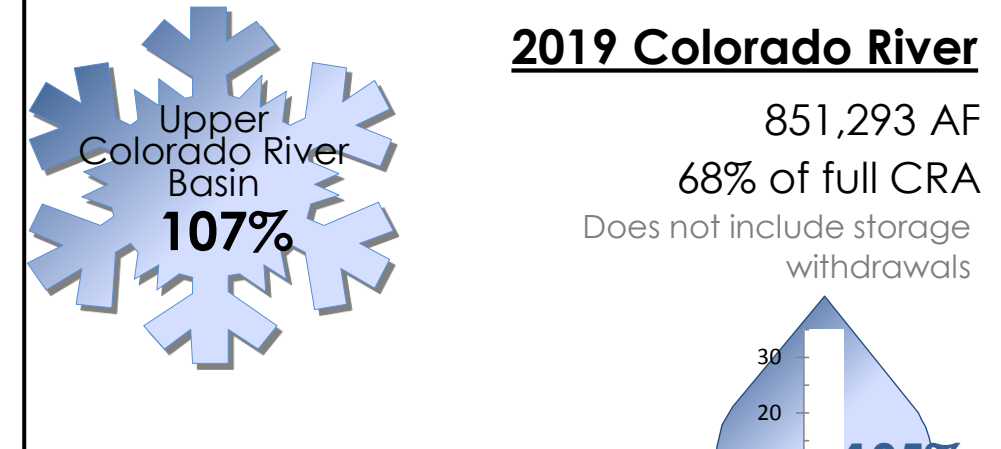
## Powell Unregulated Inflow



## Lake Mead Storage

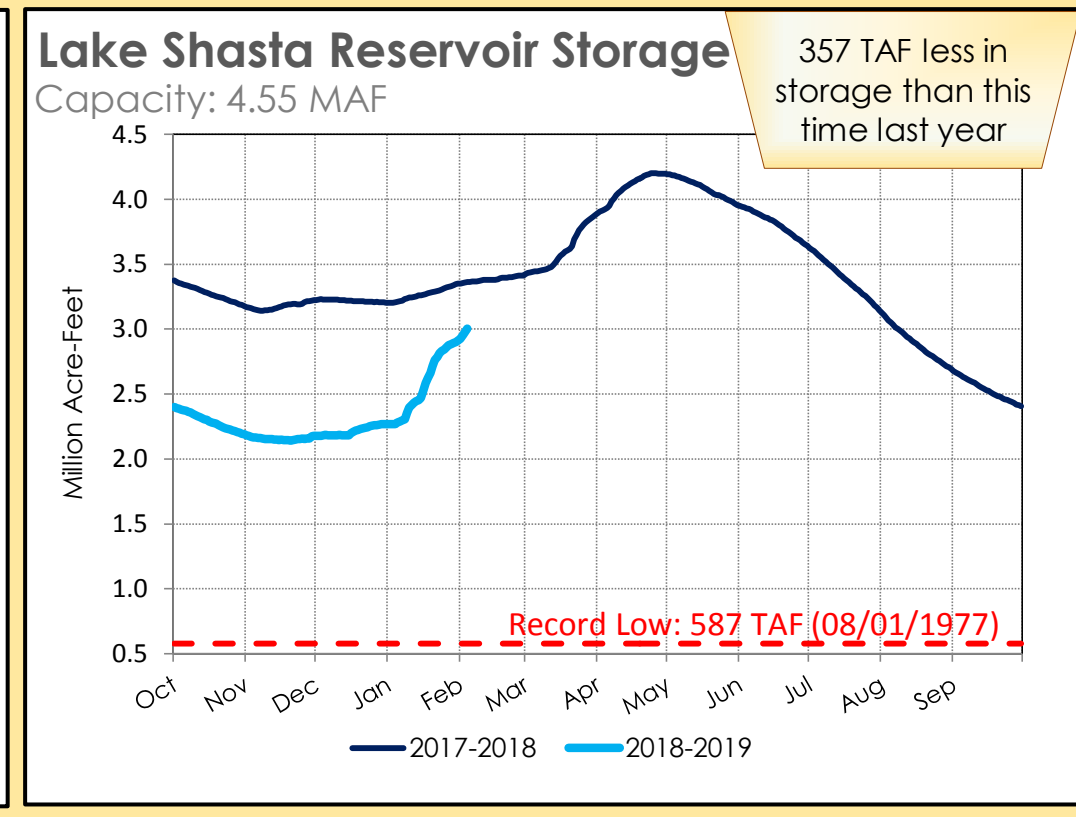
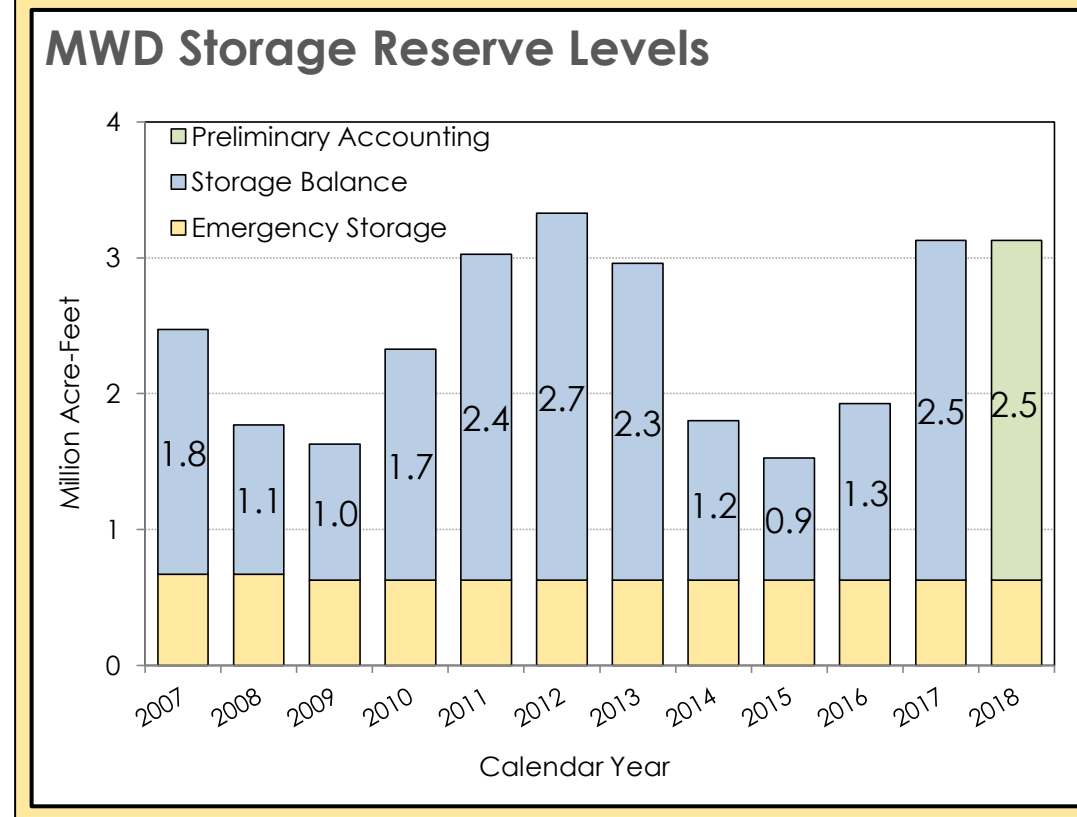
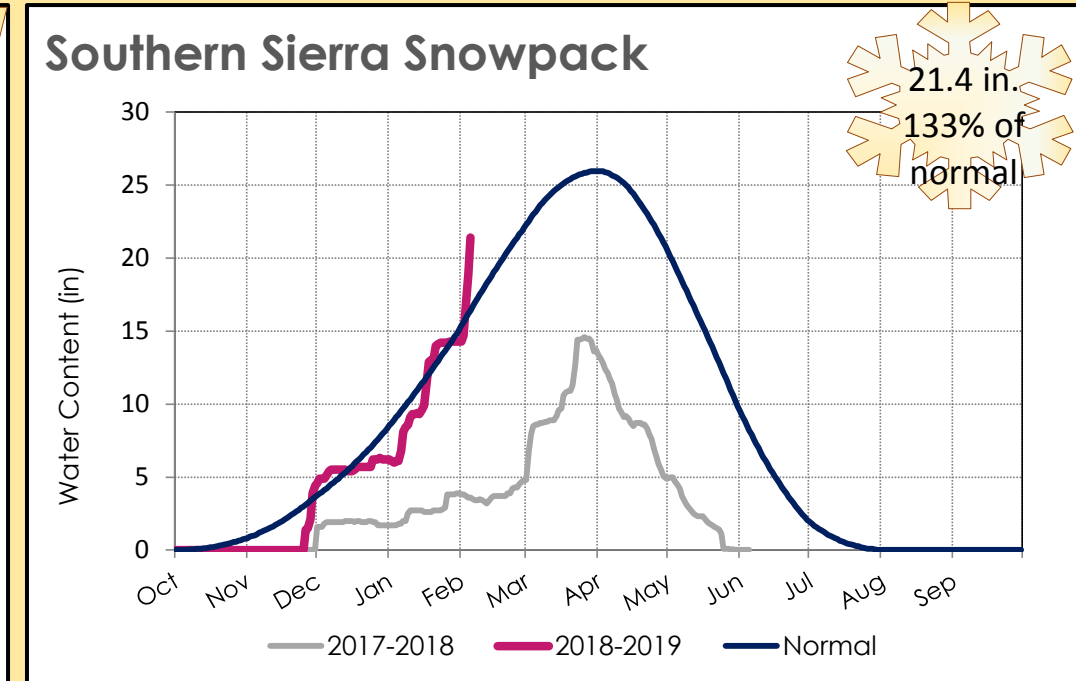
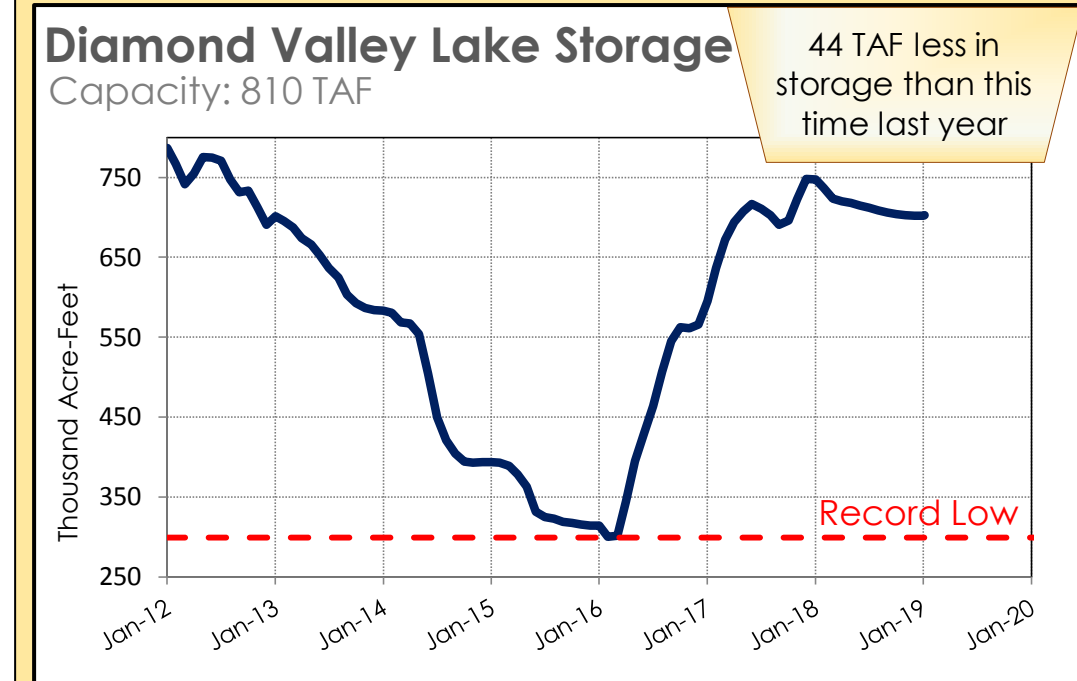






**Highlights**

- Northern Sierra snowpack is at 111% of normal
- Upper Colorado River Basin snowpack is at 107% of normal
- Southern California precipitation above normal - Los Angeles (180% of normal) and San Diego (168% of normal)



**2019 SWP Allocation**  
286,725 AF  
15% of Table A  
**Statewide 125%**

**OROVILLE 1.49 MAF**  
**SAN LUIS TOT: 1.77 MAF SWP: 949 TAF**  
**CASTAIC 245 TAF**  
**DVL 703 TAF**

**Northern Sierra 111%**  
**Southern Sierra 133%**  
**LA: 12.7"**  
**SD: 9.0"**

**8 STA: 30.8"**  
**5 STA: 25.2"**

**WY Avg**  
**107%**  
**119%**  
**180%**  
**168%**

**WY Avg**  
**% Normal WY to Date**  
**Rainfall to Date (in)**

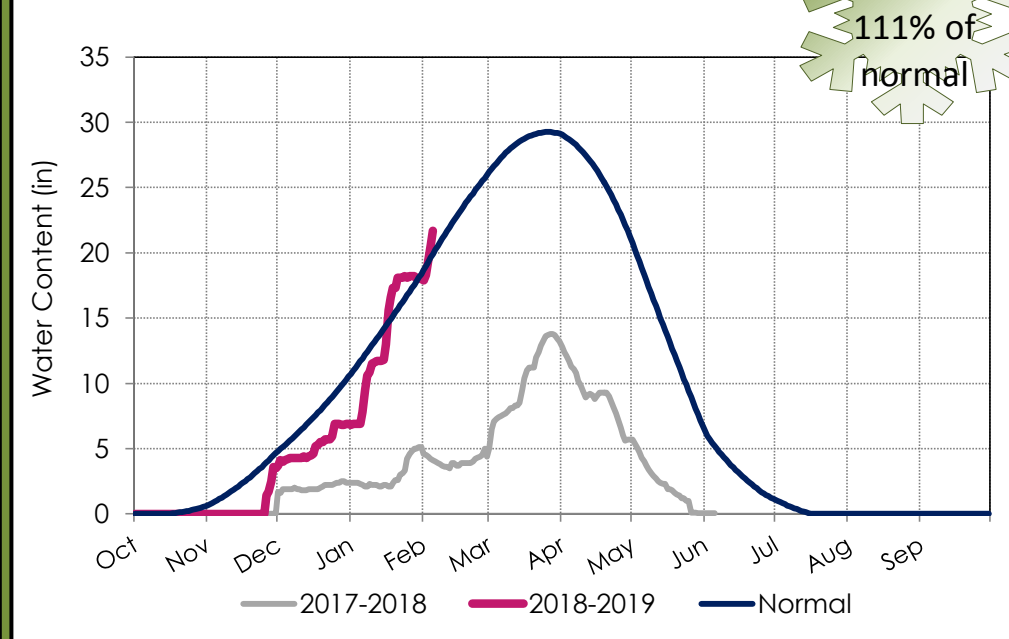
**Capacity**  
**Average EOM**  
**Current Storage (% Capacity)**

Flip Over for CRA Data      Turn page for more SWP Data

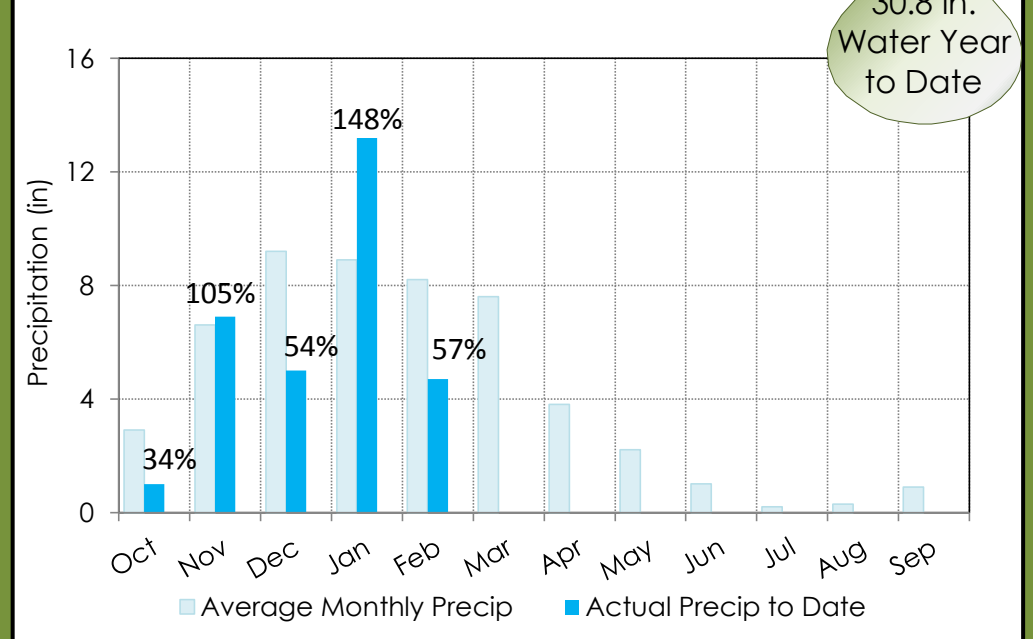
As of: 02/04/2019

# State Water Project Resources

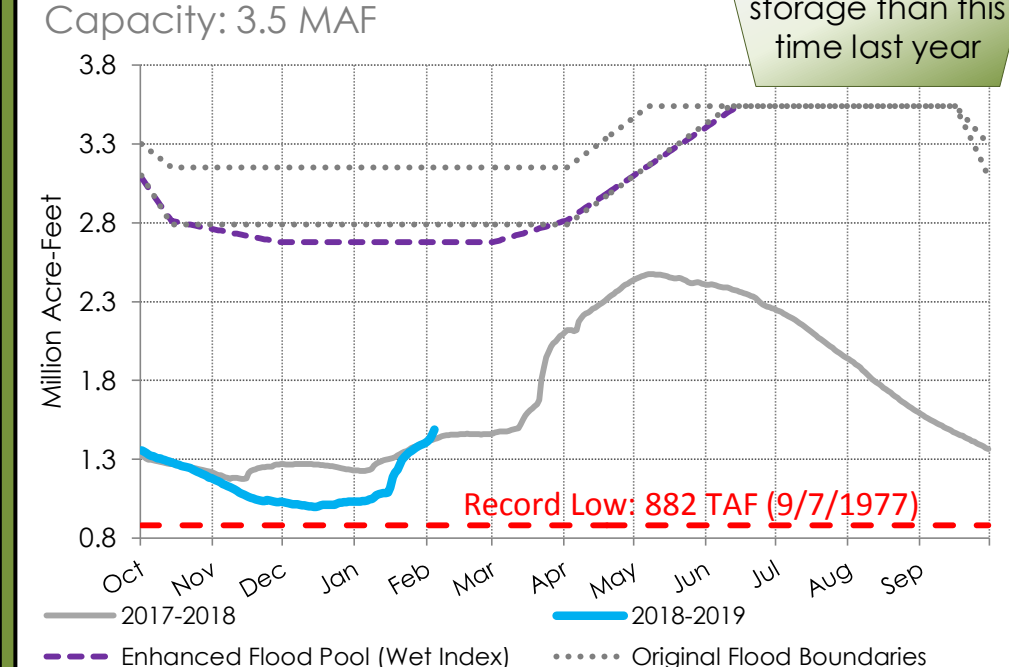
## Northern Sierra Snowpack



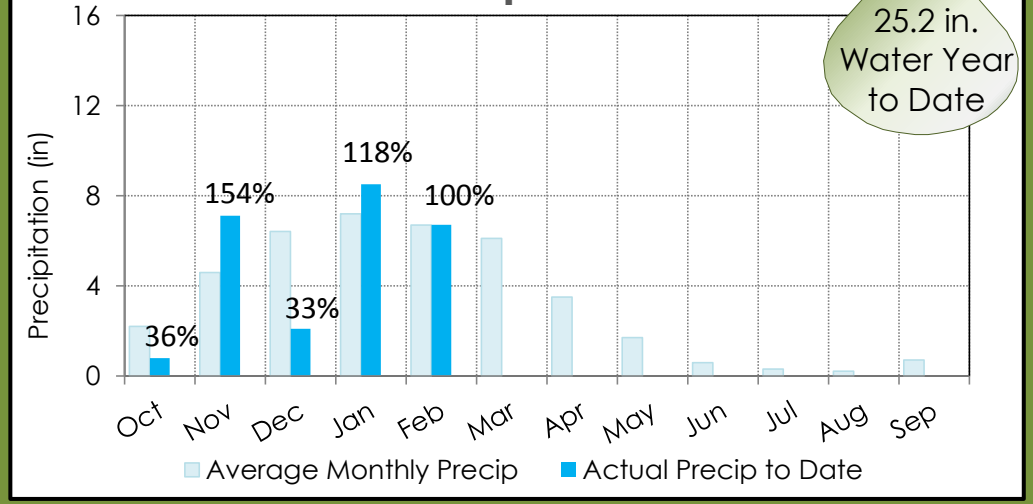
## 8 Station Index Precip



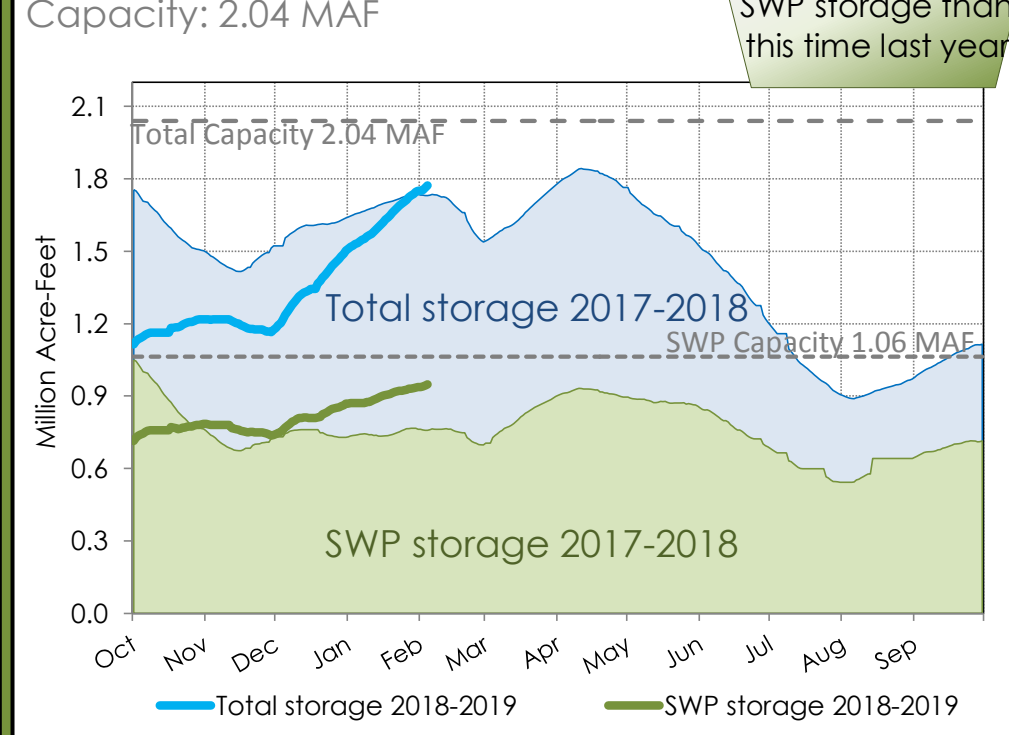
## Oroville Reservoir Storage



## 5 Station Index Precip



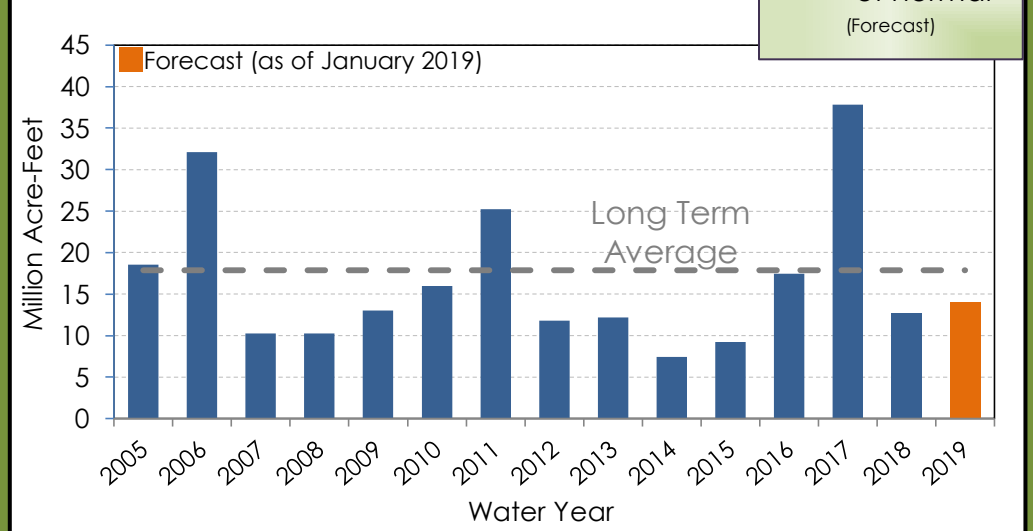
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

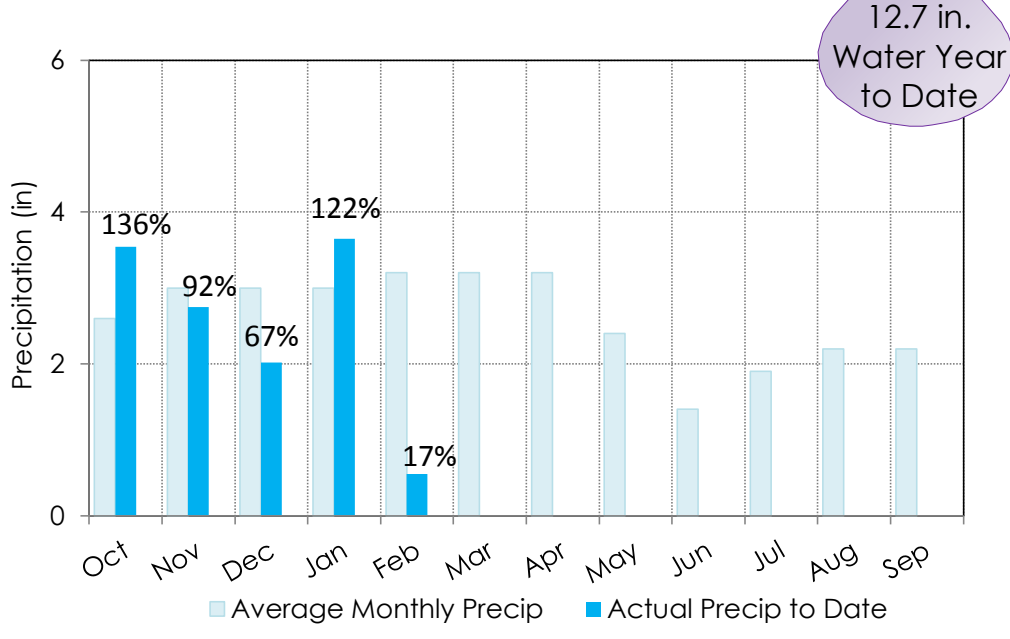
## Sacramento River Runoff



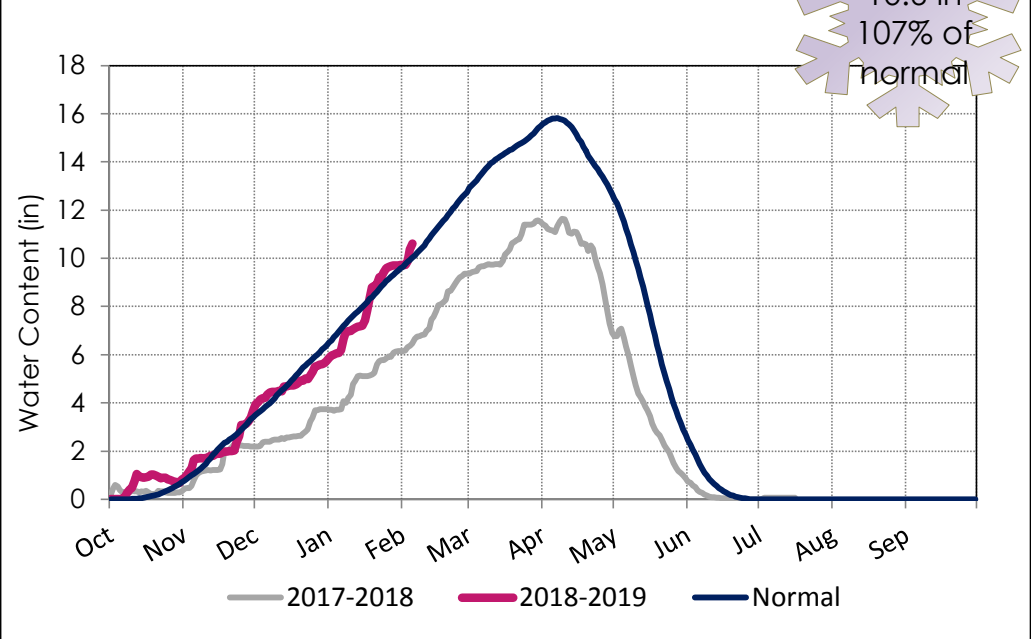
# Colorado River Resources

As of: 02/04/2019

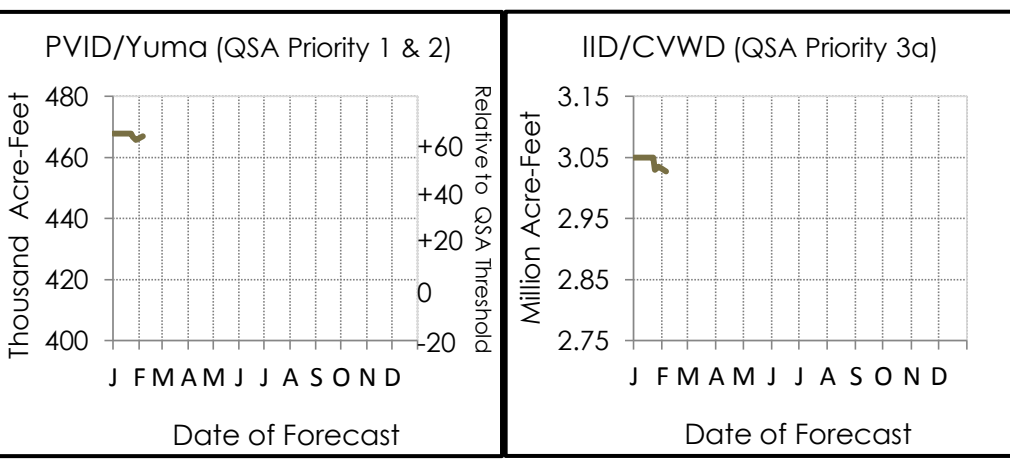
## Upper Colorado Basin Precip



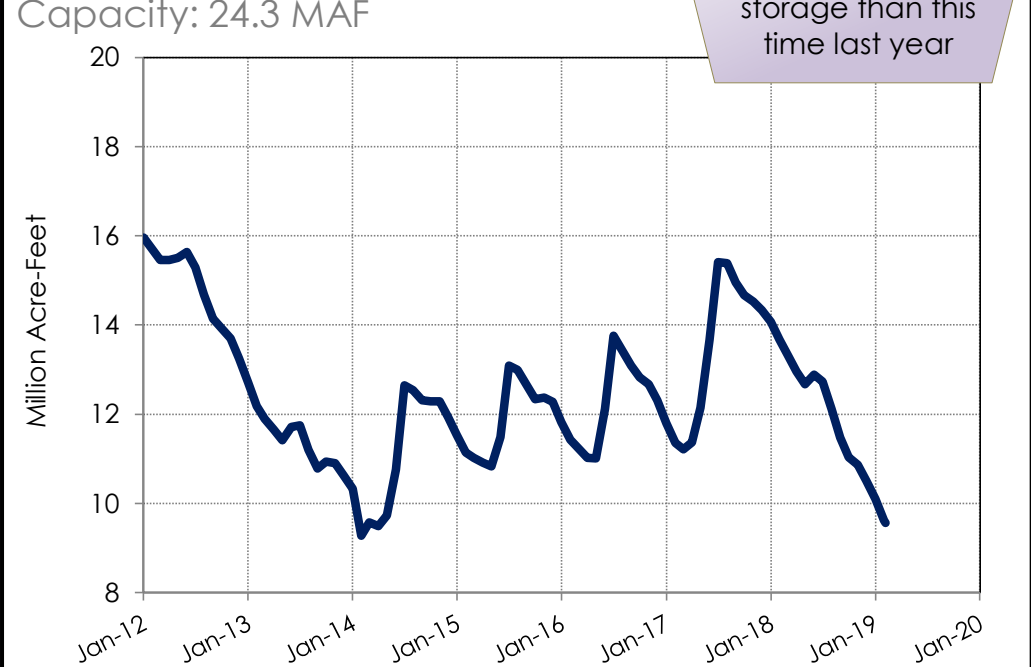
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

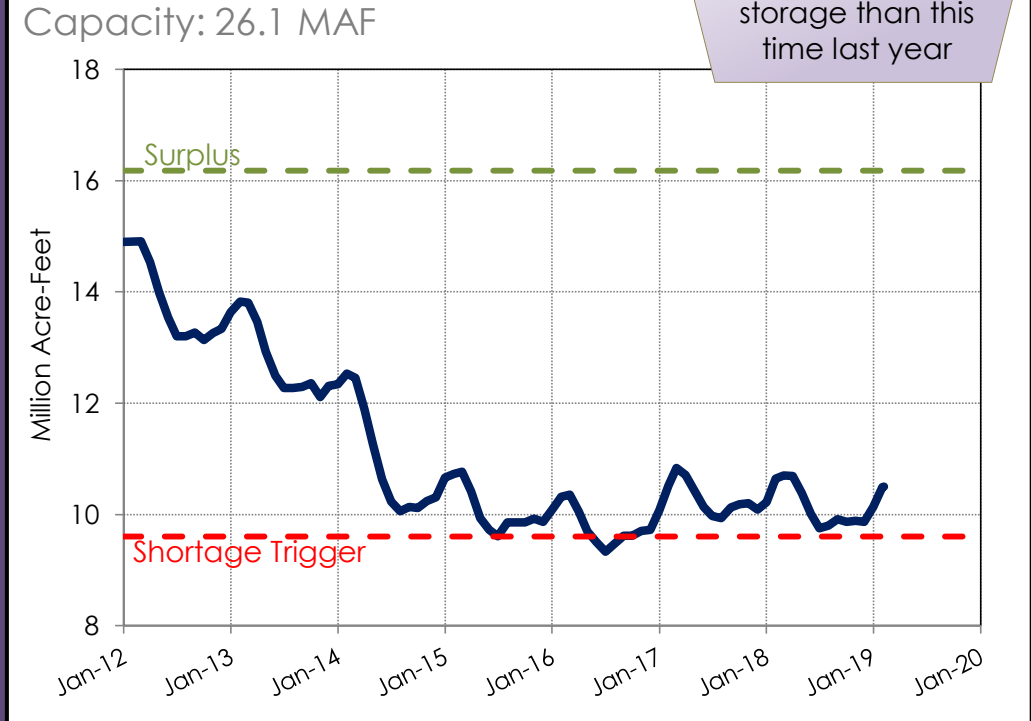


## Lake Mead Shortage/Surplus Outlook

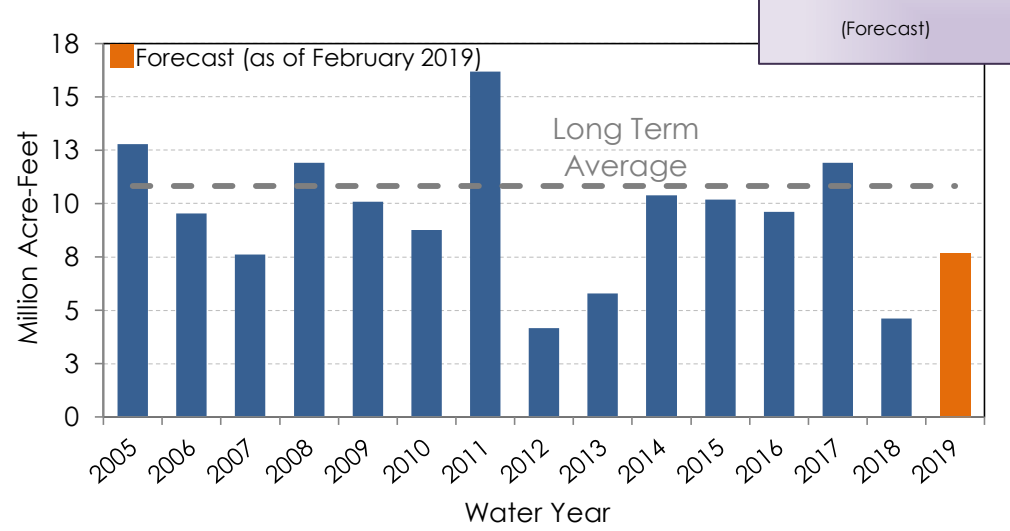
	2019	2020	2021	2022	2023
Shortage	0%	57%	68%	70%	65%
Surplus	0%	0%	3%	5%	7%

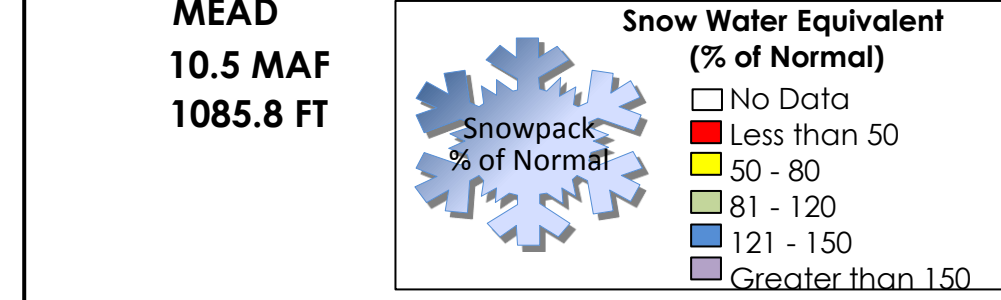
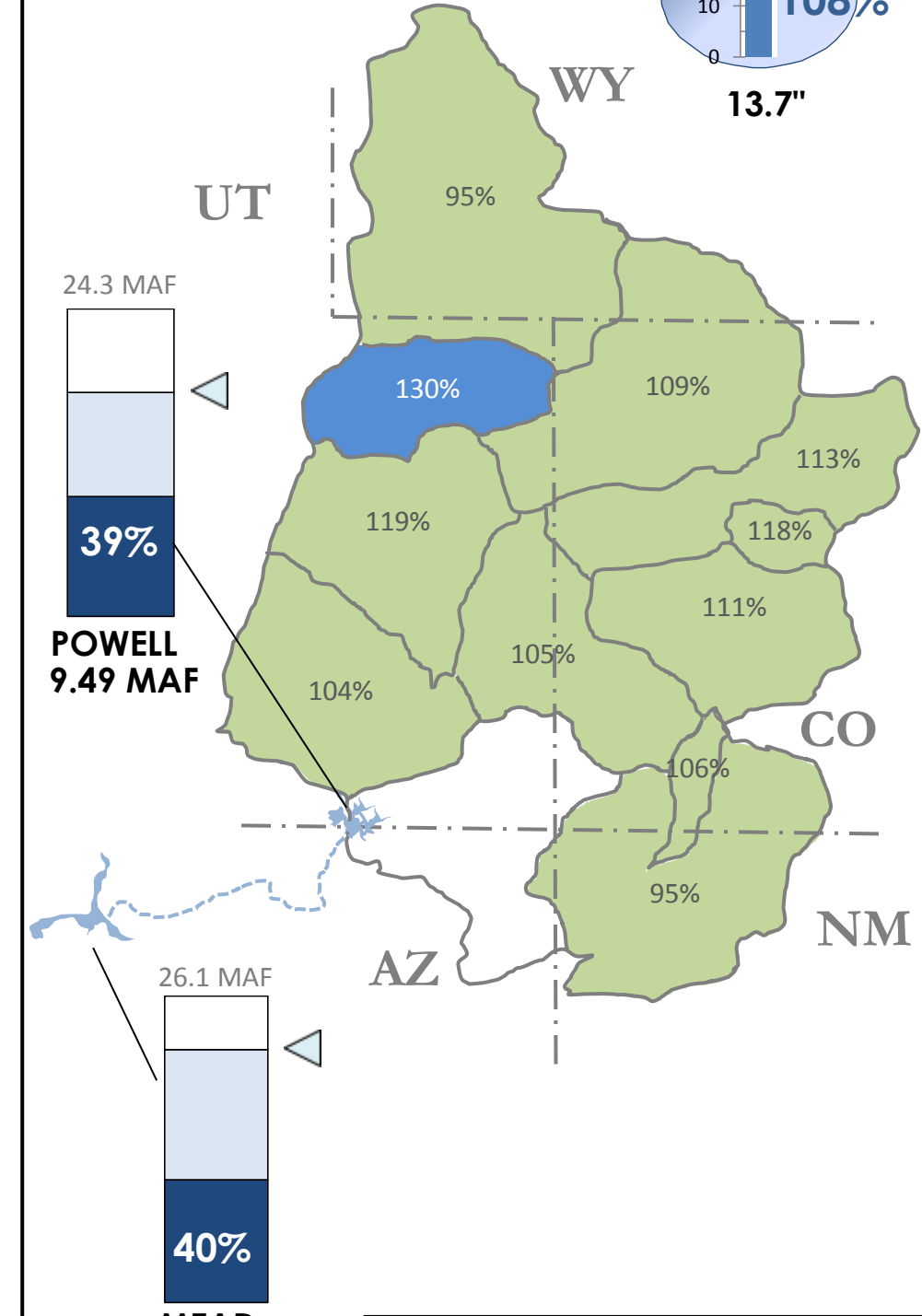
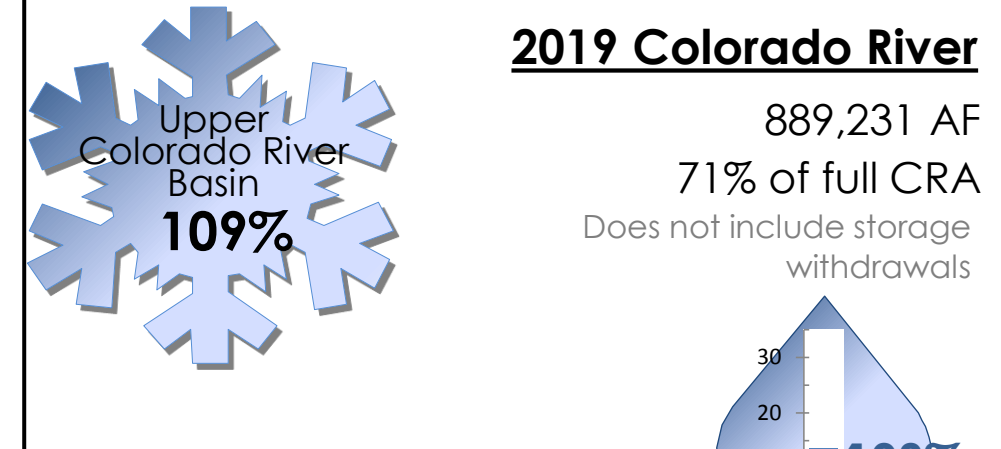
Likelihood based on results from the August 2018 CRSS model run.

## Lake Mead Storage



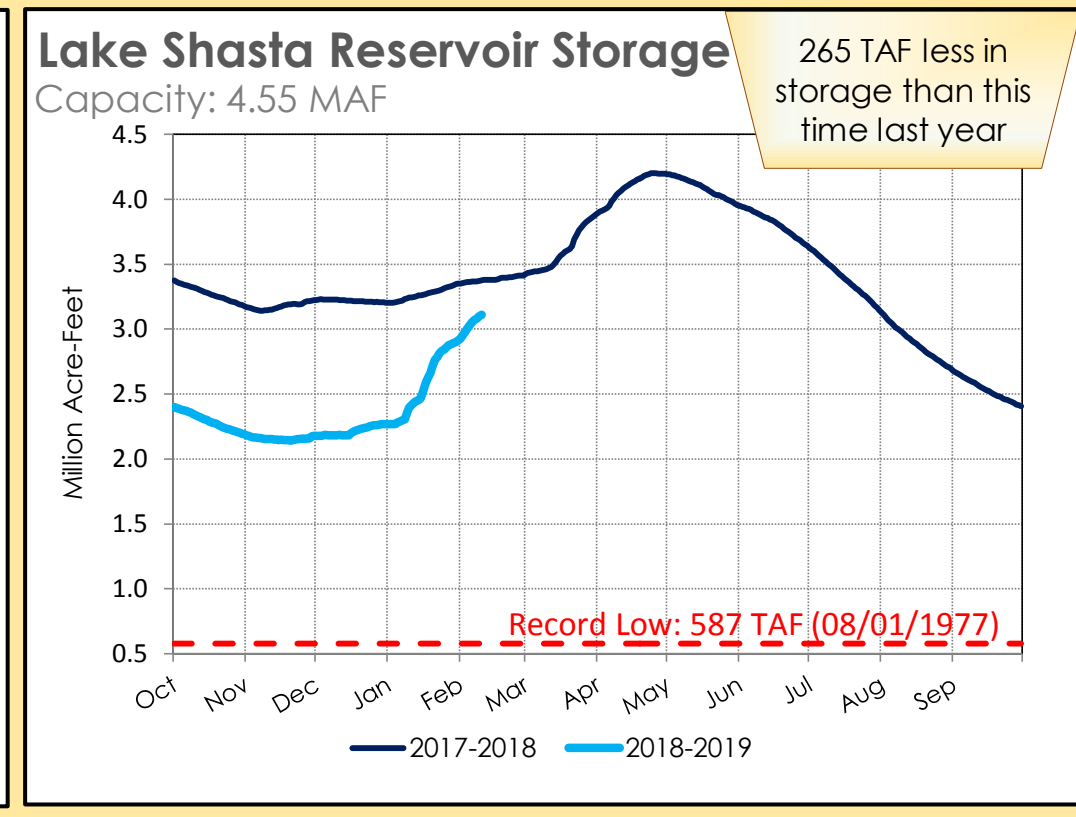
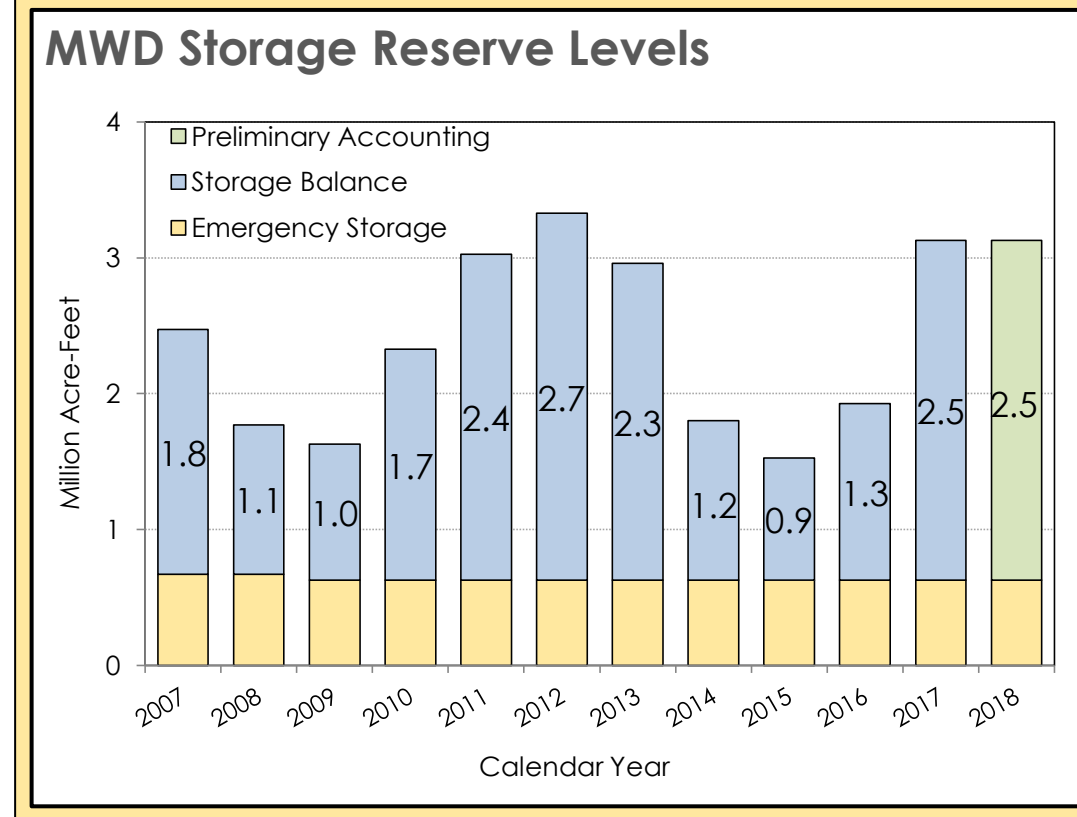
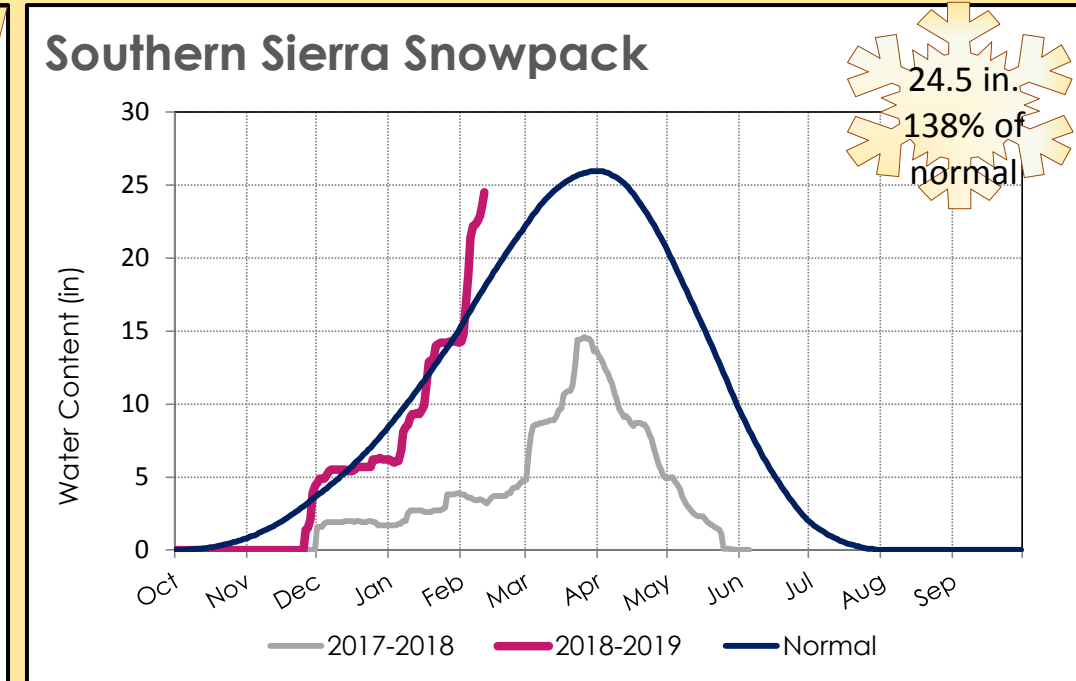
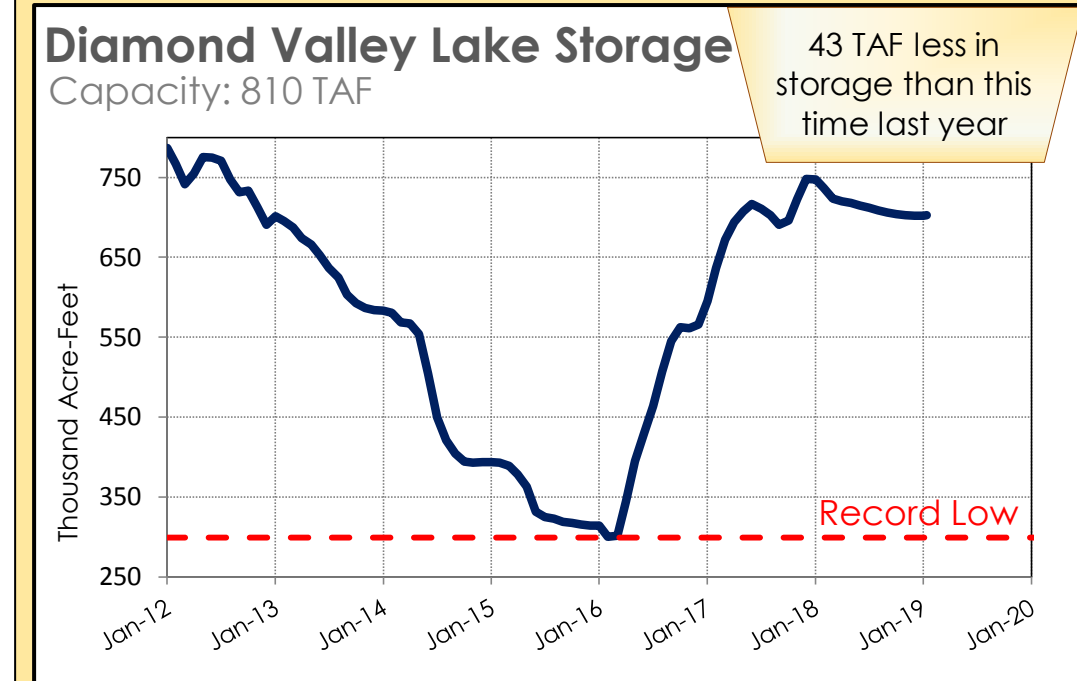
## Powell Unregulated Inflow





### Highlights

- Northern Sierra snowpack is at 112% of normal
- Upper Colorado River Basin snowpack is at 109% of normal
- Southern California precipitation above normal - Los Angeles (169% of normal) and San Diego (158% of normal)



**2019 SWP Allocation**  
286,725 AF  
15% of Table A  
**Statewide 129%**

**OROVILLE**  
1.56 MAF  
44%

**SAN LUIS TOT**  
1.82 MAF  
89%

**CASTAIC**  
257 TAF  
79%

**DVL**  
703 TAF  
87%

**Northern Sierra**  
112%

**Southern Sierra**  
138%

**LA**  
13.3"  
169%

**SD**  
9.1"  
158%

**OROVILLE**  
8 STA: 32.3"  
WY Avg 106%

**SAN LUIS**  
5 STA: 27.7"  
WY Avg 123%

**LA**  
WY Avg 169%

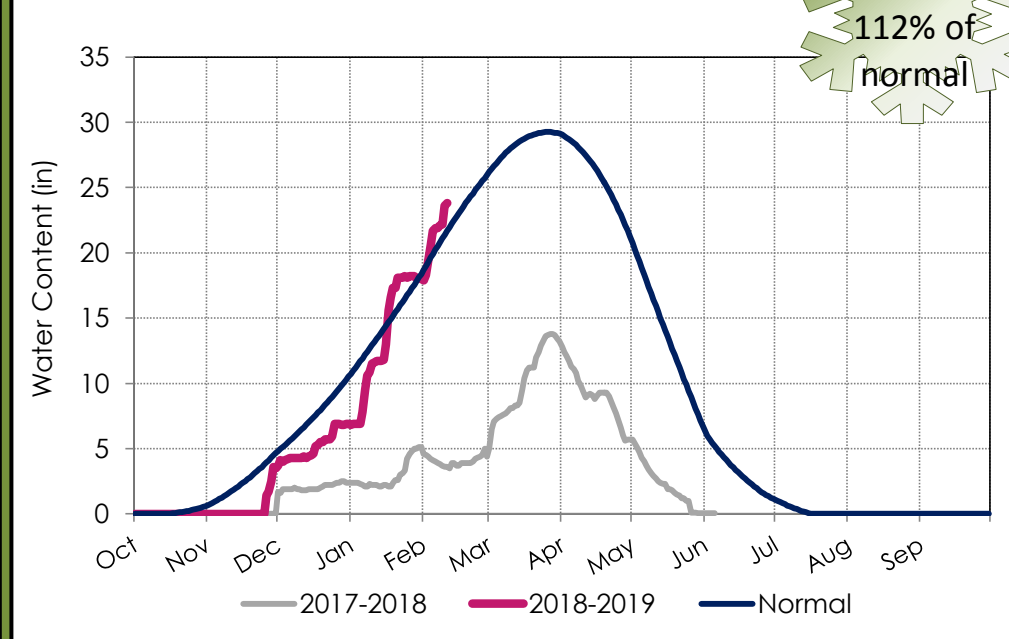
**SD**  
WY Avg 158%

**Legend:**  
Rainfall to Date (in)      % Normal WY to Date  
Capacity      Average EOM  
Current Storage (% Capacity)

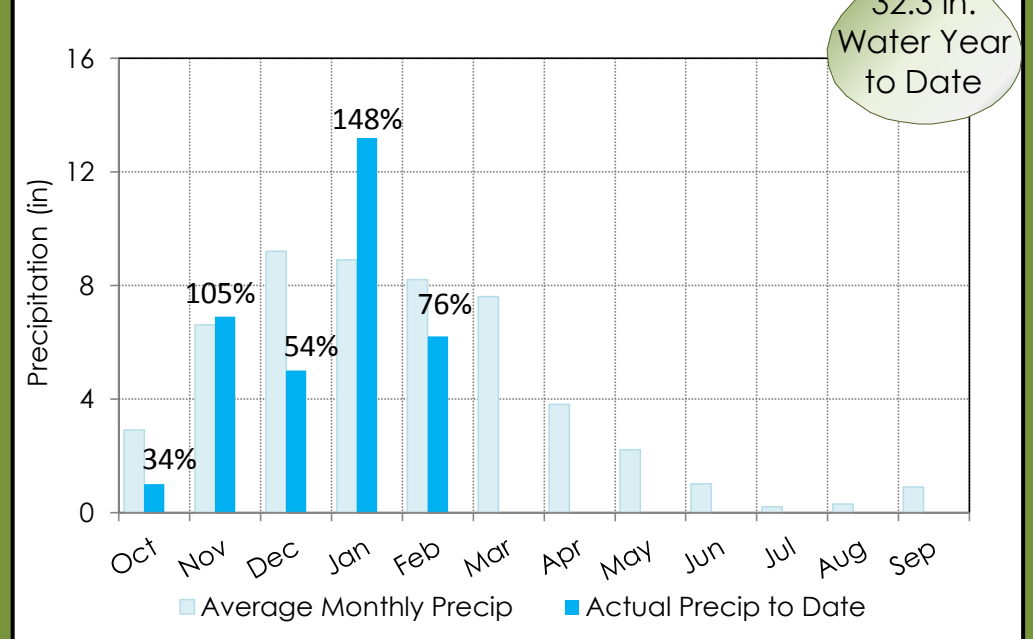
As of: 02/10/2019

# State Water Project Resources

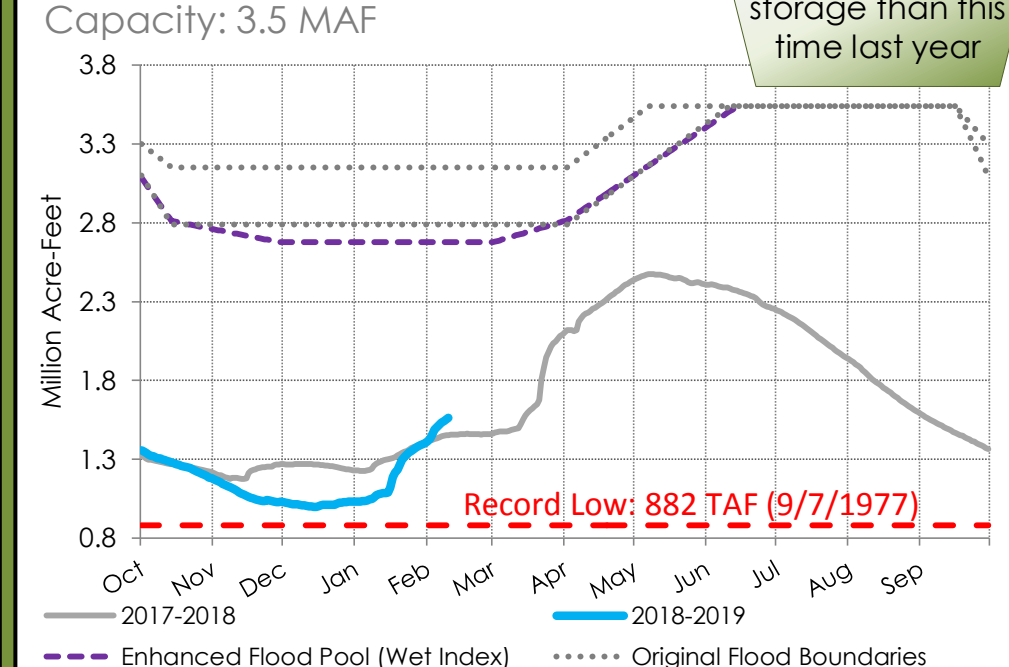
## Northern Sierra Snowpack



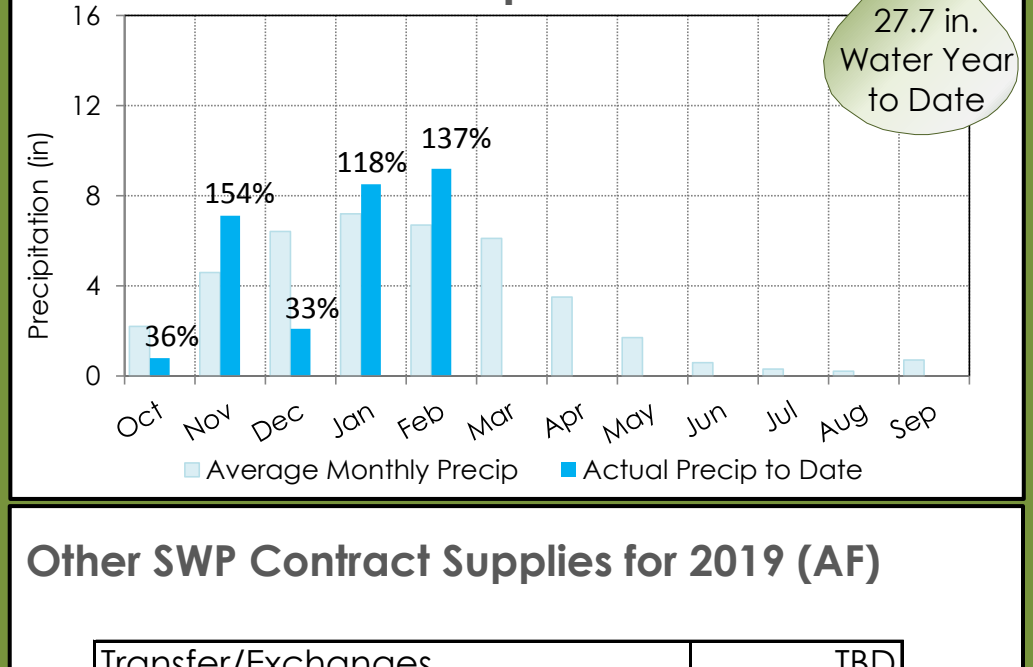
## 8 Station Index Precip



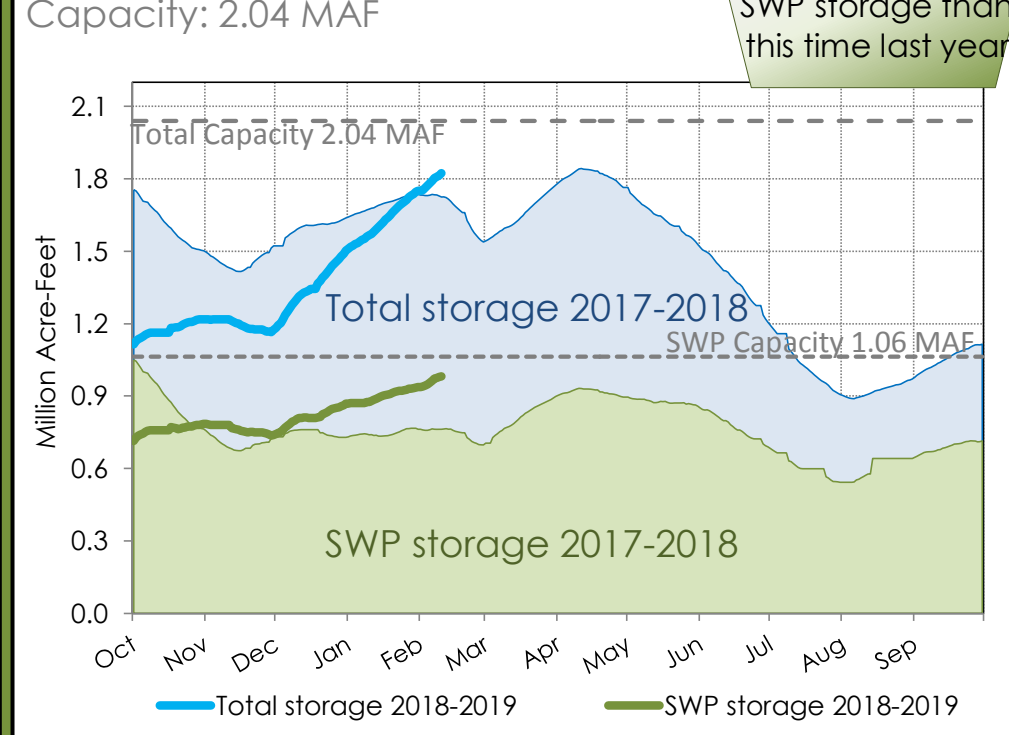
## Oroville Reservoir Storage



## 5 Station Index Precip



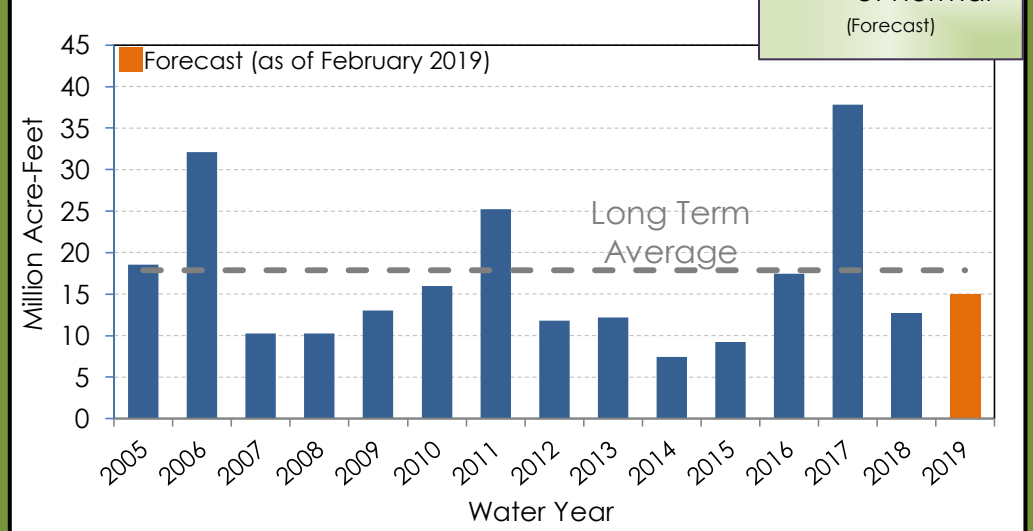
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

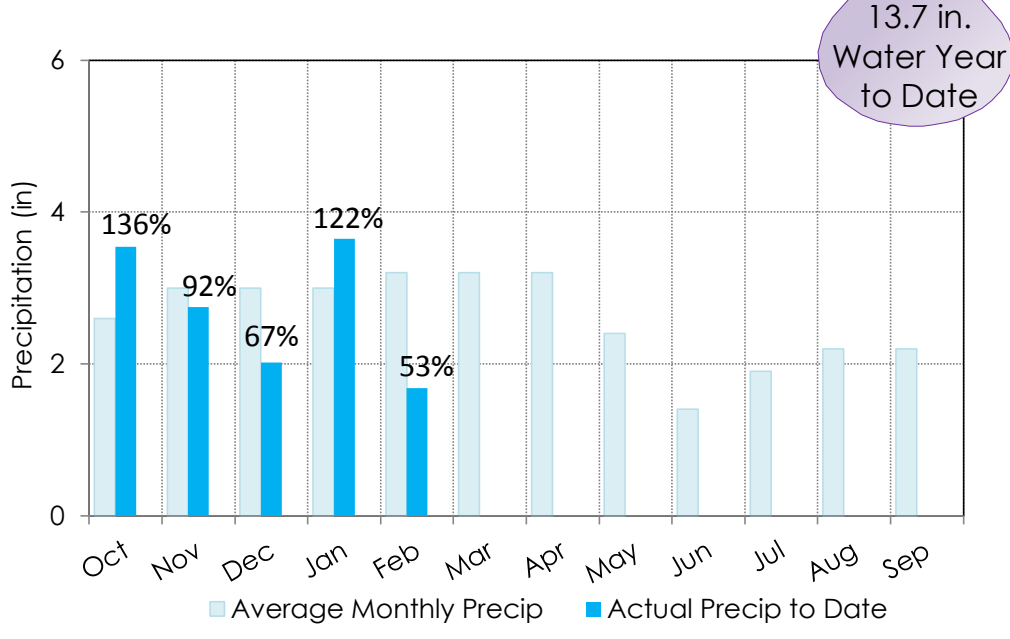
## Sacramento River Runoff



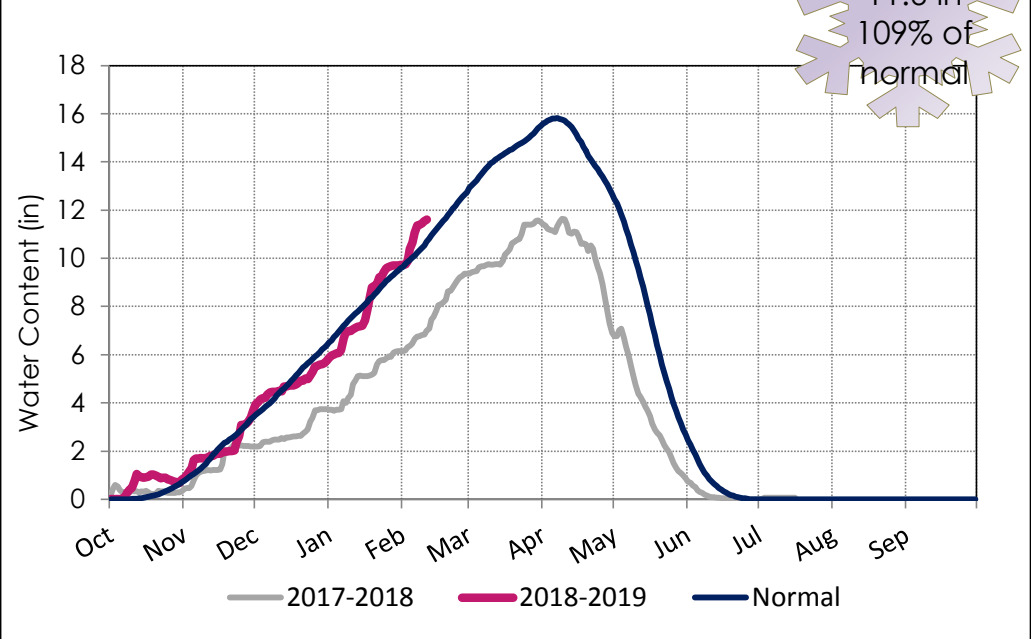
# Colorado River Resources

As of: 02/10/2019

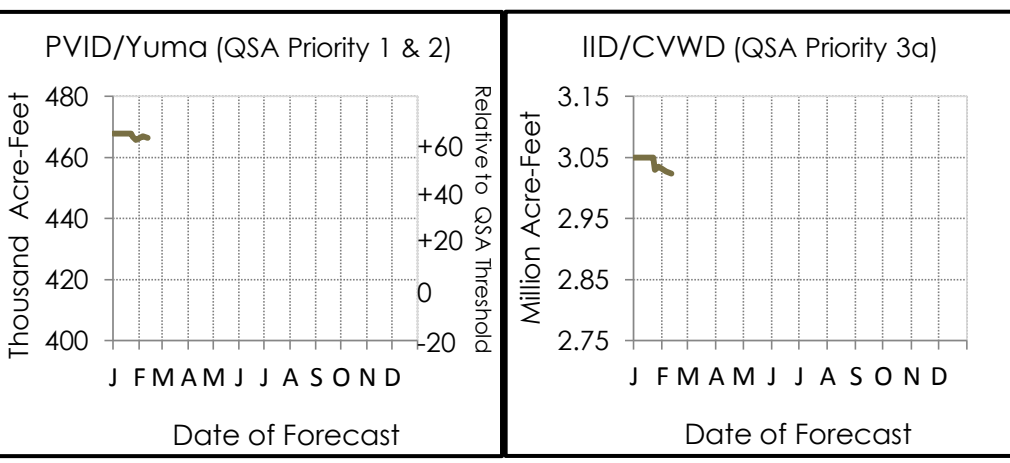
## Upper Colorado Basin Precip



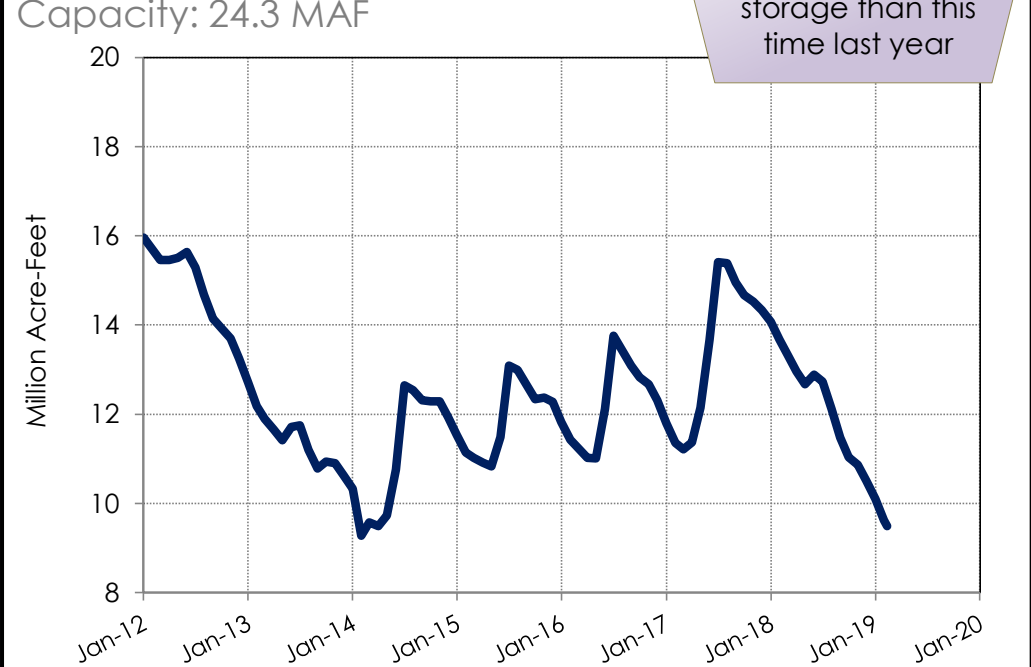
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

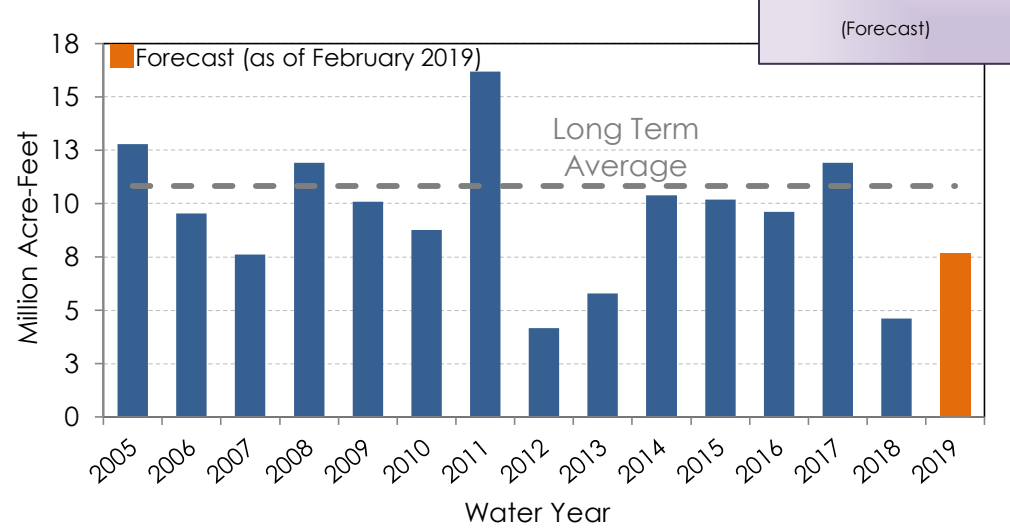


## Lake Mead Shortage/Surplus Outlook

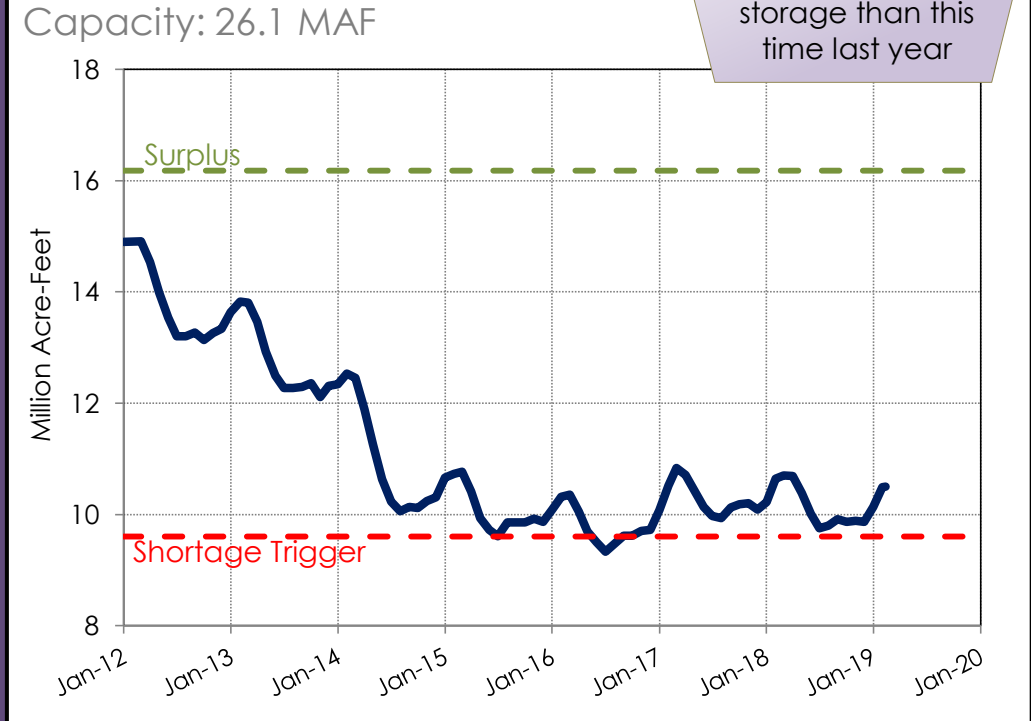
	2019	2020	2021	2022	2023
Shortage	0%	69%	82%	81%	79%
Surplus	0%	0%	0%	1%	4%

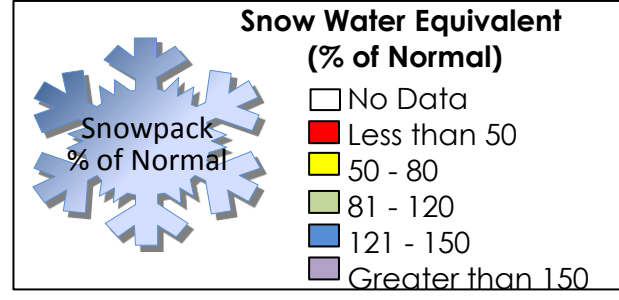
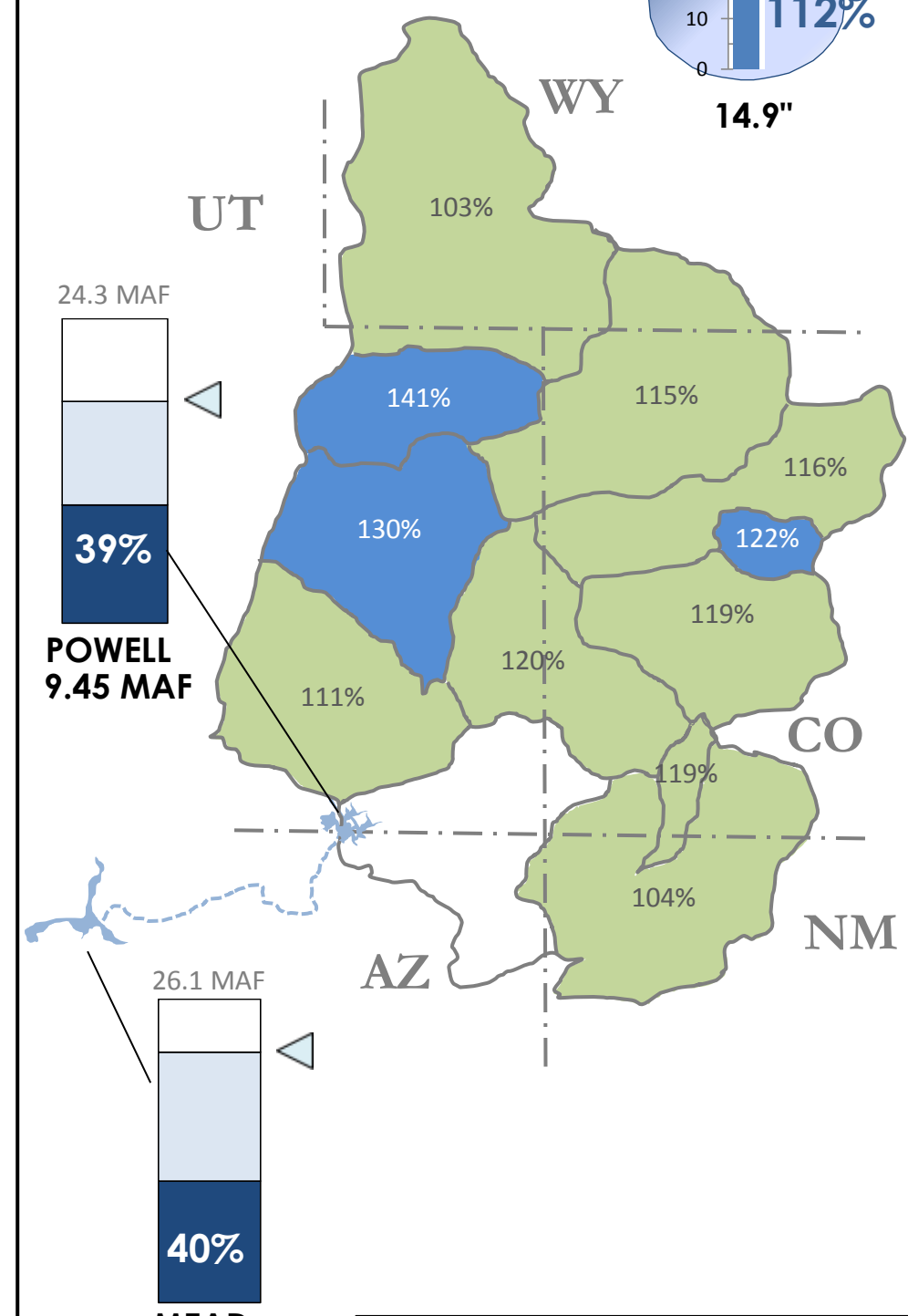
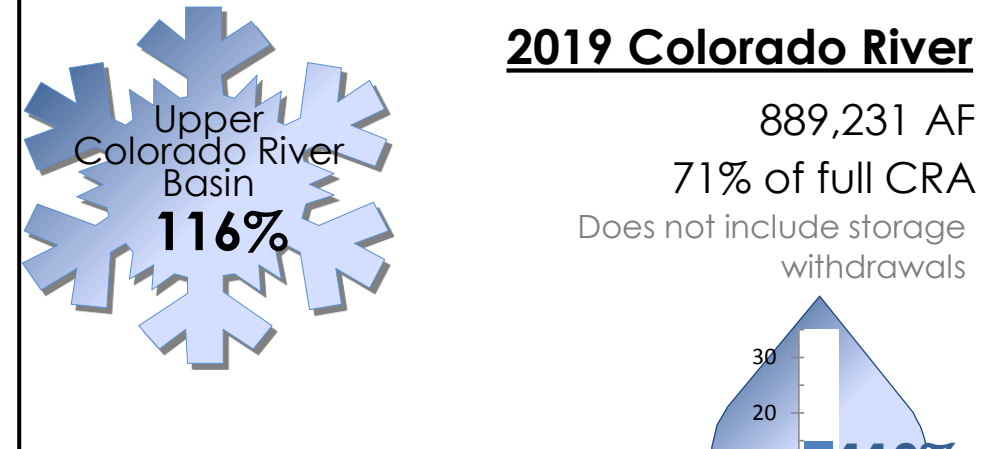
Likelihood based on results from the January 2019 MTOM/CRSS model run.

## Powell Unregulated Inflow



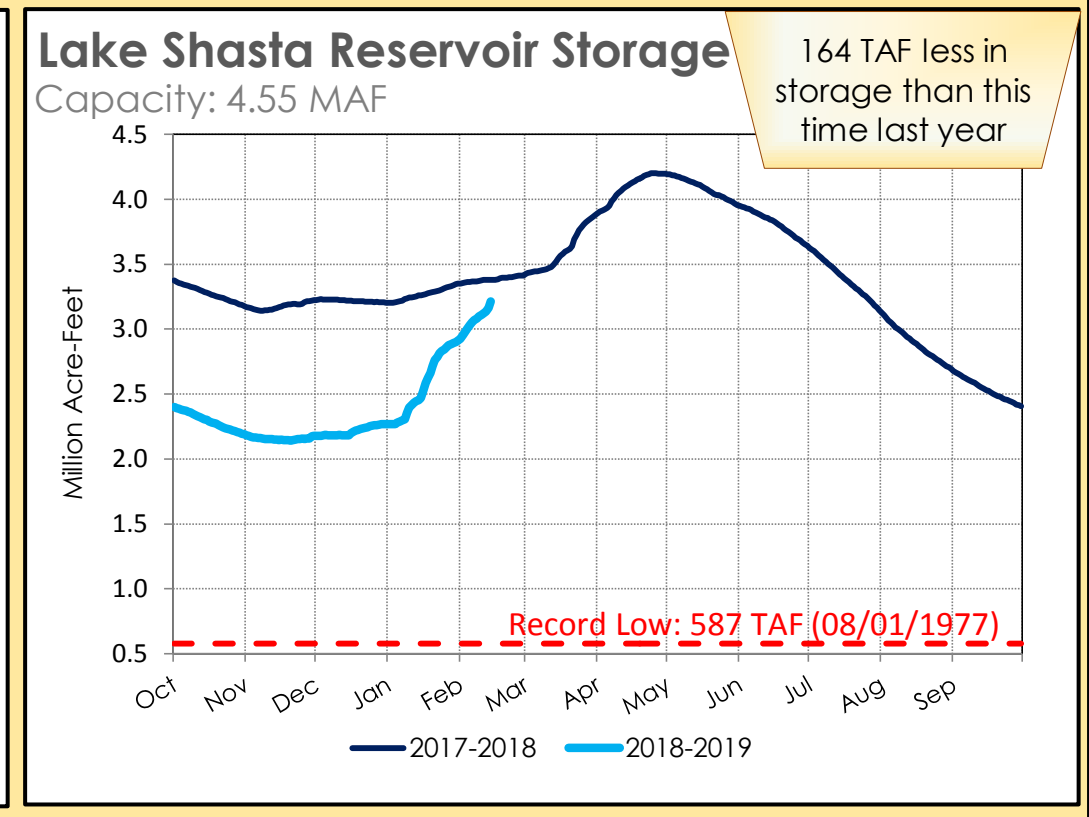
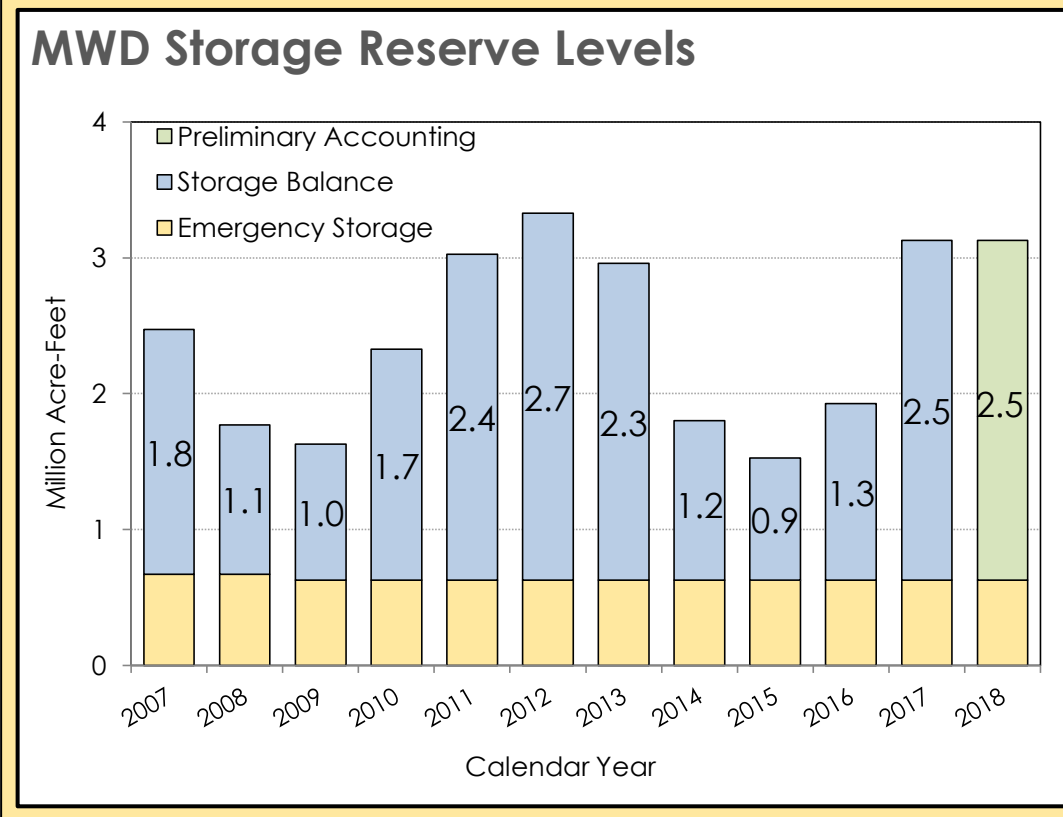
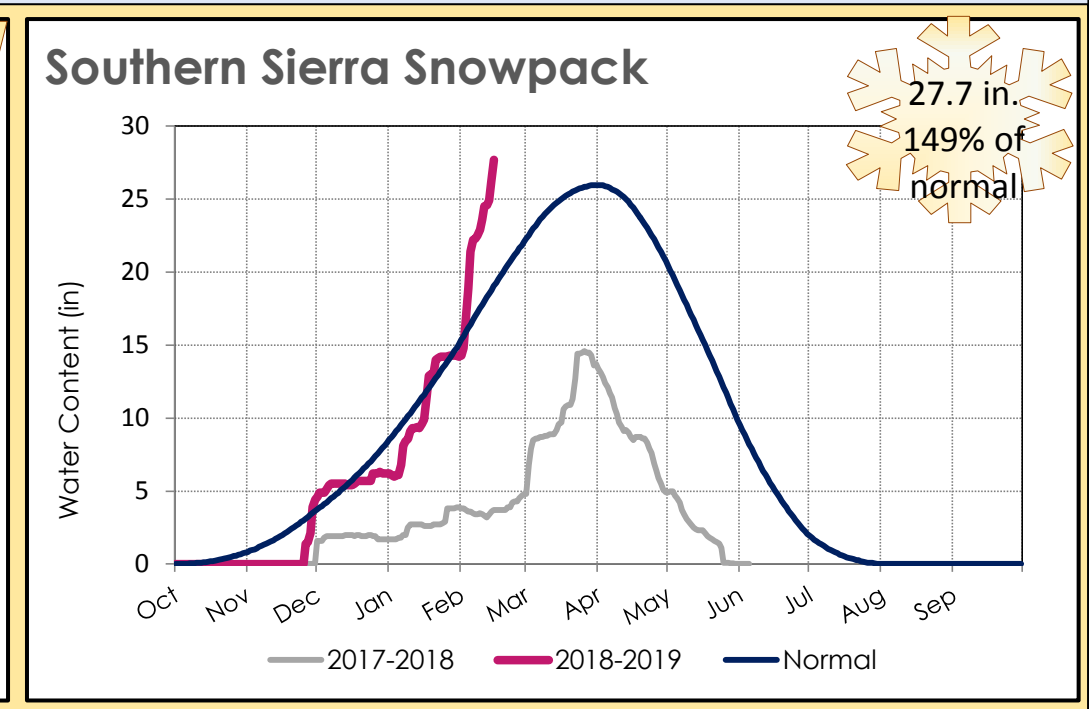
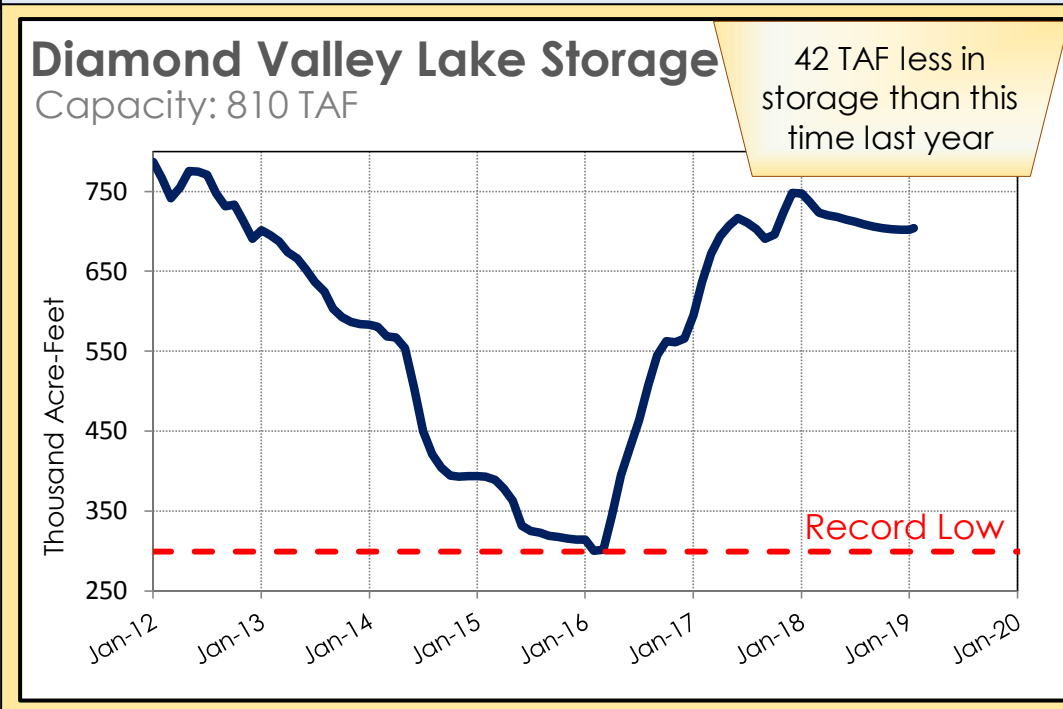
## Lake Mead Storage





**Highlights**

- Northern Sierra snowpack is at 125% of normal
- Upper Colorado River Basin snowpack is at 116% of normal
- Southern California precipitation above normal - Los Angeles (185% of normal) and San Diego (168% of normal)



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<http://www.mwdh2o.com/WSCR>

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**2019 SWP Allocation**  
286,725 AF  
15% of Table A

**Statewide 141%**

**OROVILLE** 1.71 MAF (48%)  
8 STA: 38.4" (121%)

**SAN LUIS TOT: 1.86 MAF SWP: 1001 TAF** (91%)  
5 STA: 31.6" (134%)

**LA: 15.5"** (185%)  
**SD: 10.2"** (168%)

**CASTAIC** 260 TAF (80%)  
325 TAF

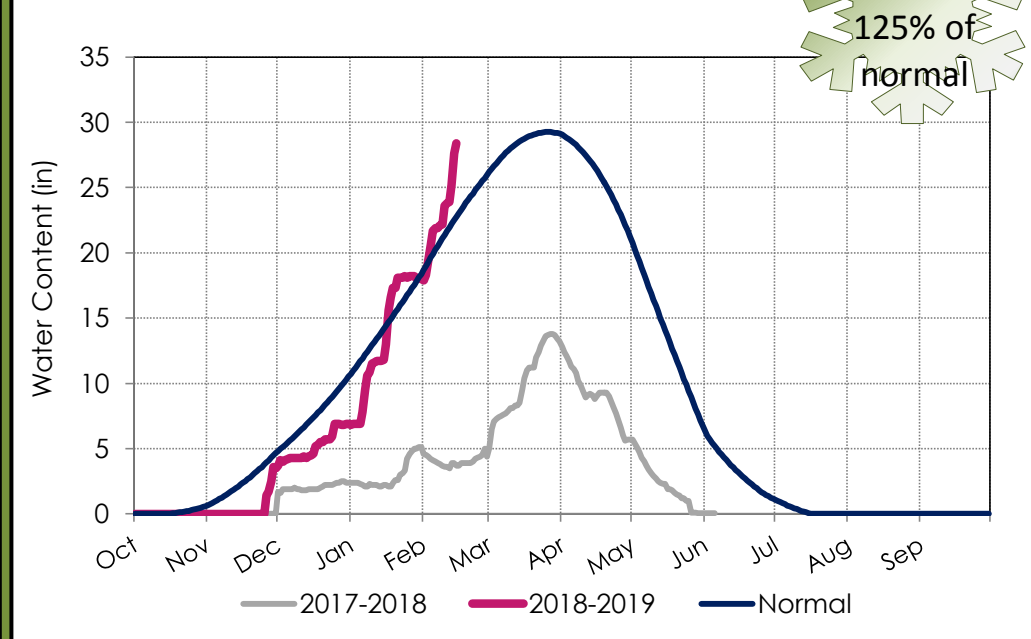
**DVL** 704 TAF (87%)  
810 TAF

Legend:  
Rainfall to Date (in) | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

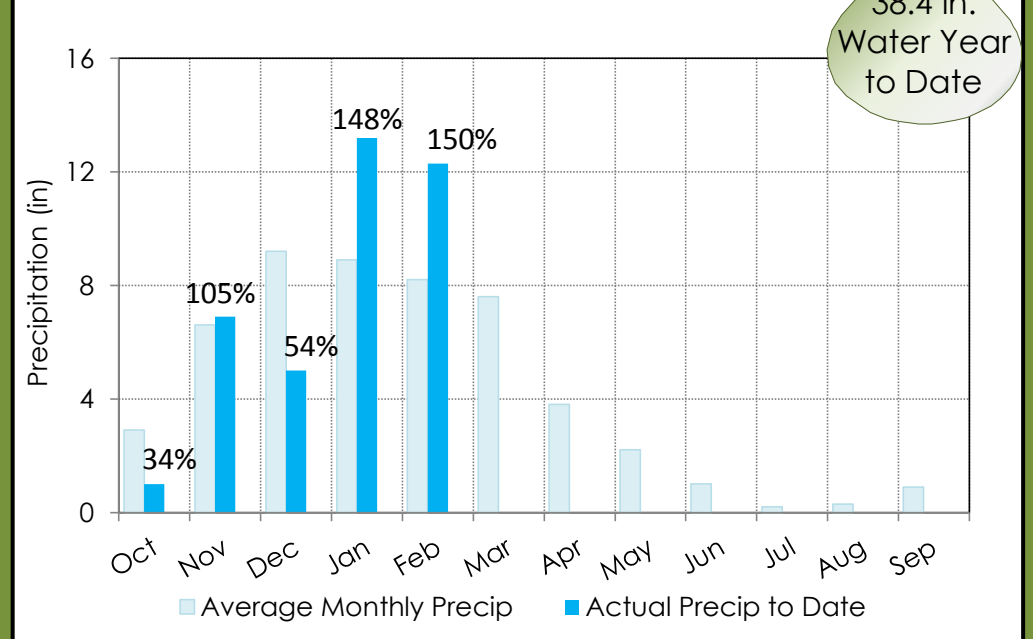
As of: 02/14/2019

# State Water Project Resources

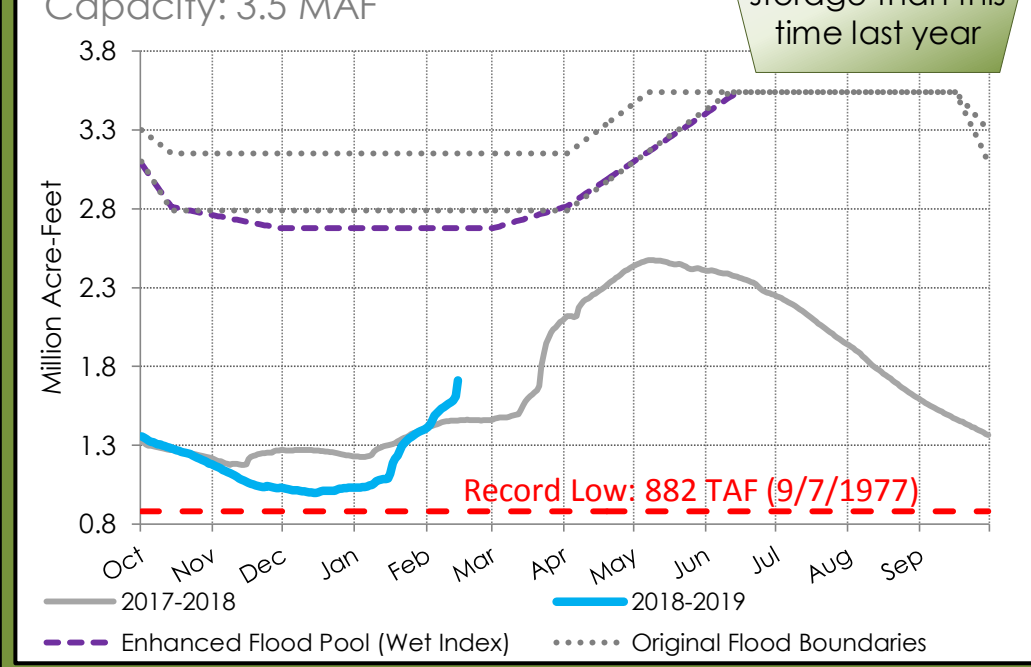
## Northern Sierra Snowpack



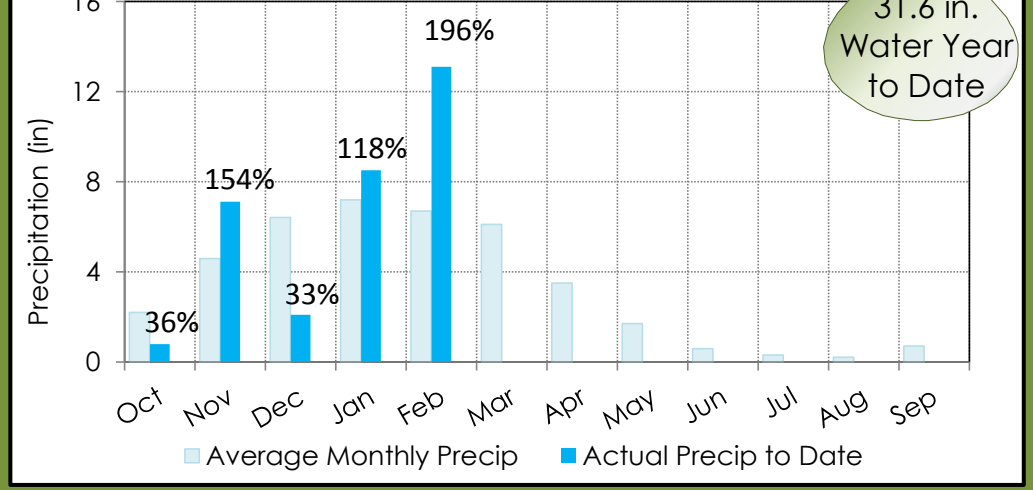
## 8 Station Index Precip



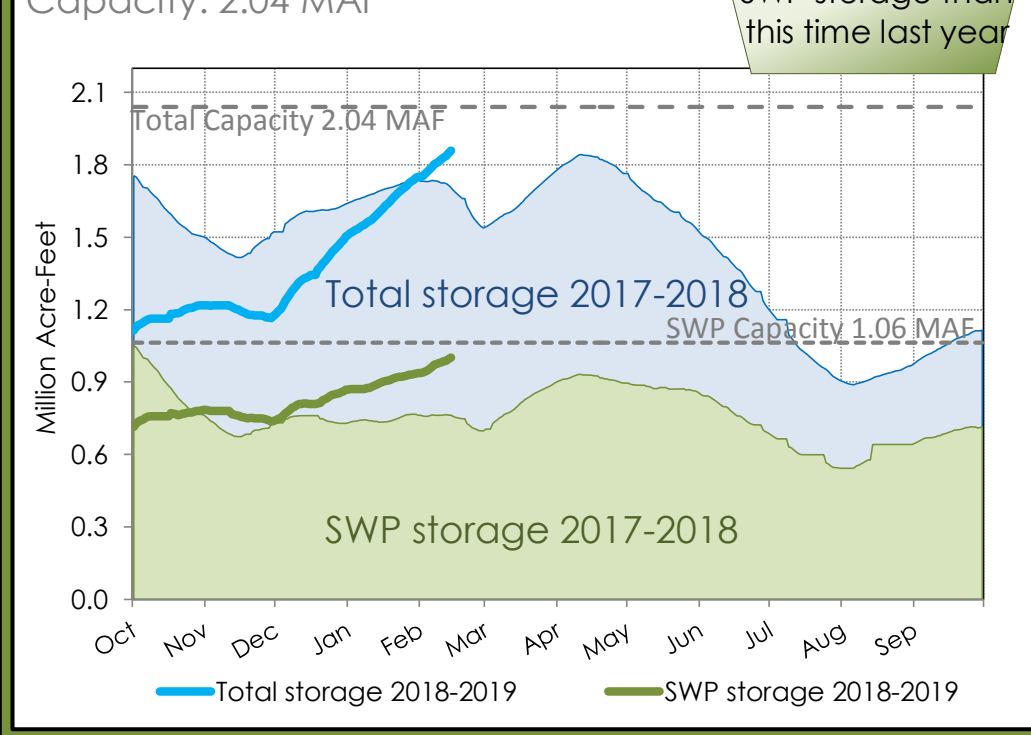
## Oroville Reservoir Storage



## 5 Station Index Precip



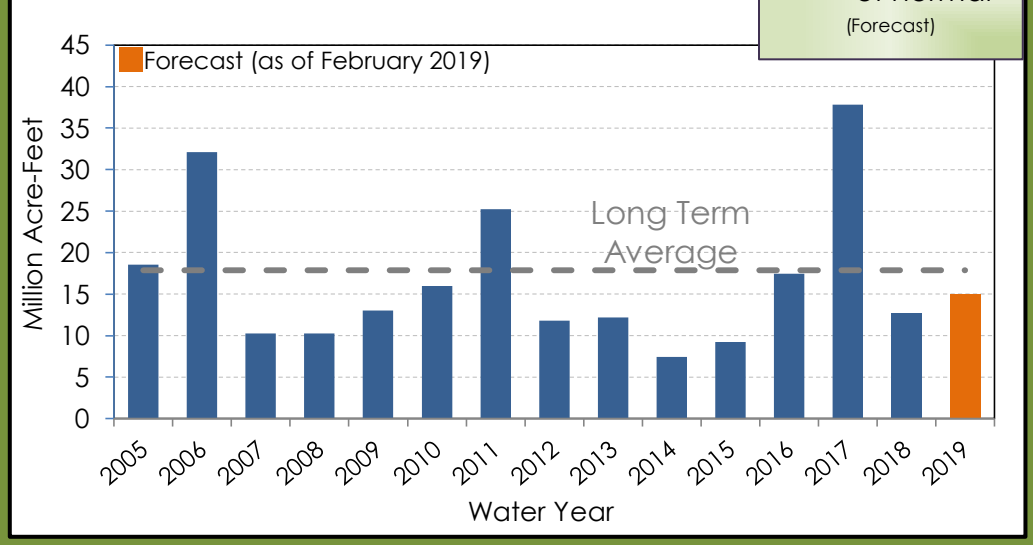
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

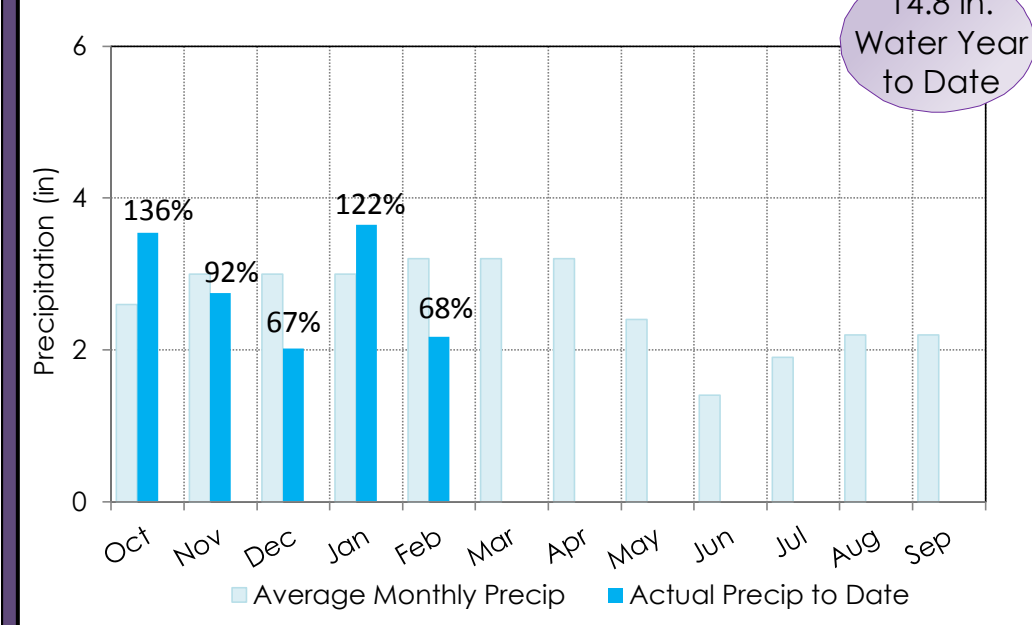
## Sacramento River Runoff



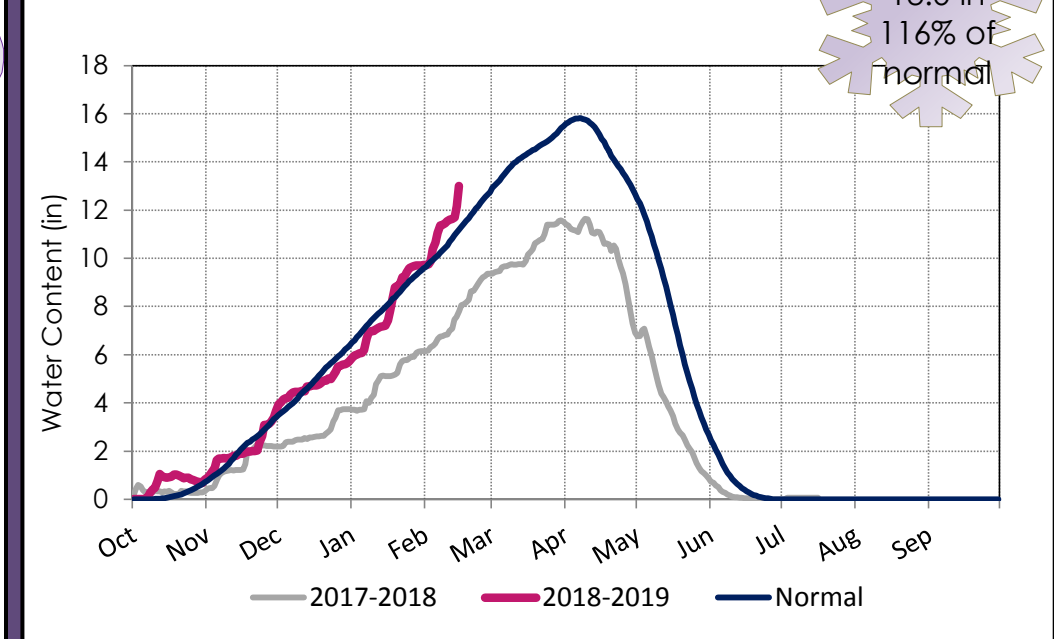
# Colorado River Resources

As of: 02/14/2019

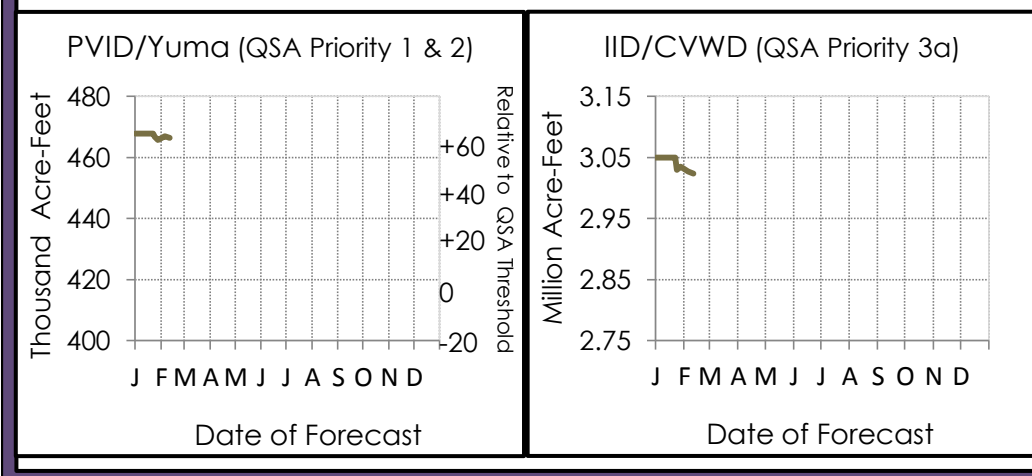
## Upper Colorado Basin Precip



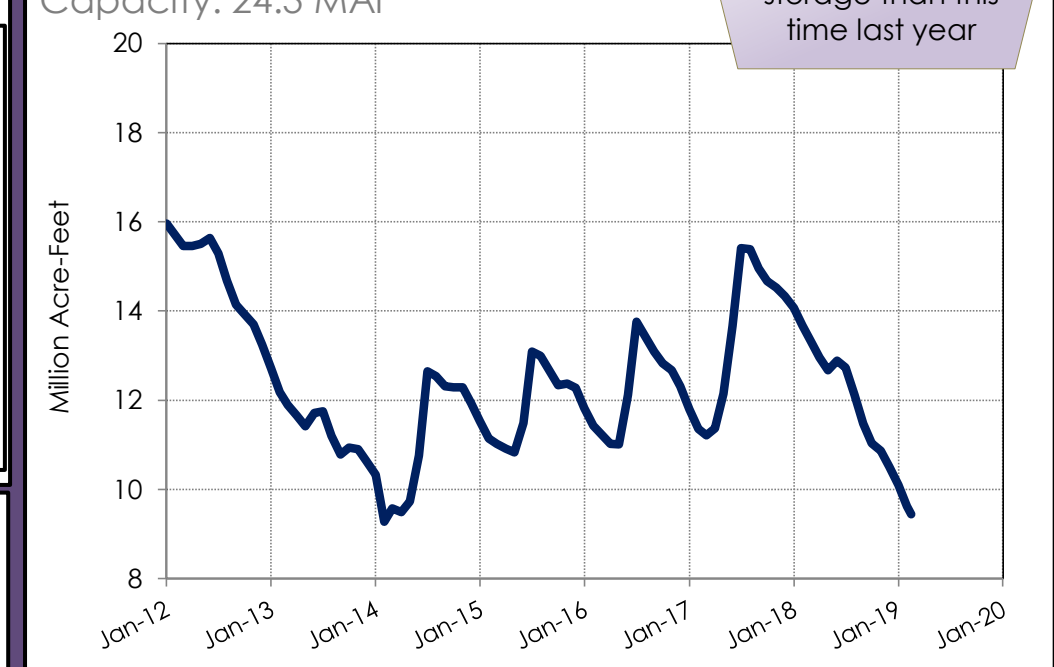
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

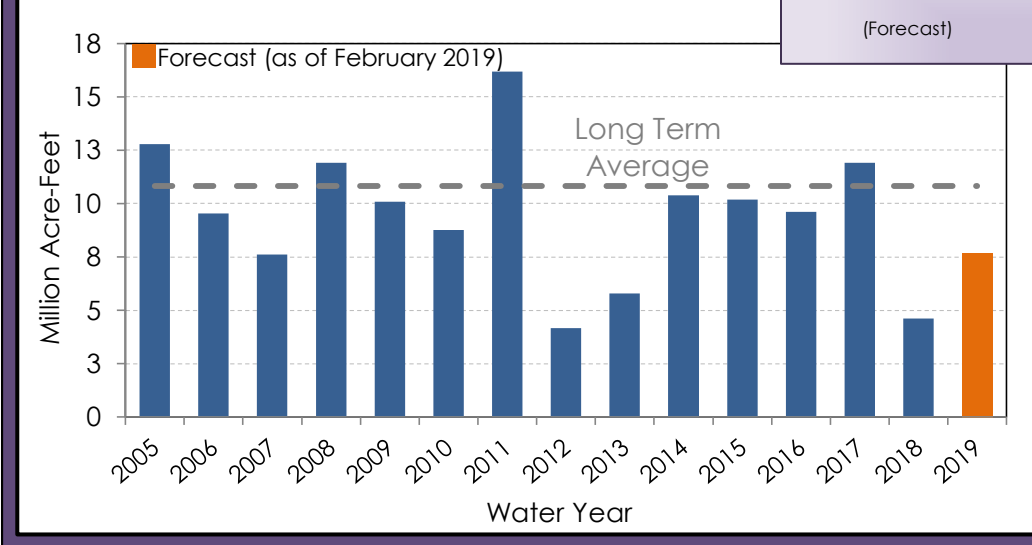


## Lake Mead Shortage/Surplus Outlook

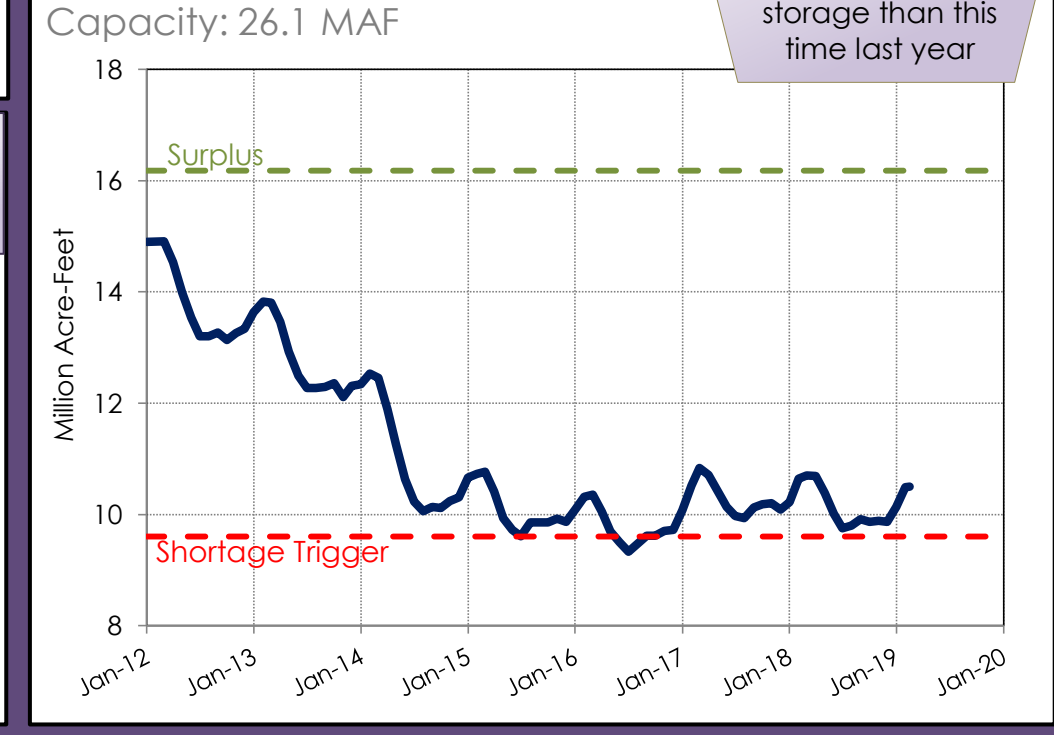
	2019	2020	2021	2022	2023
Shortage	0%	69%	82%	81%	79%
Surplus	0%	0%	0%	1%	4%

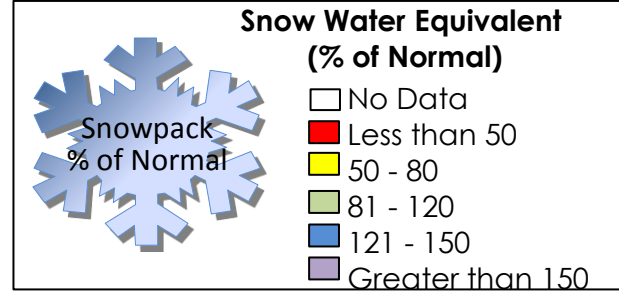
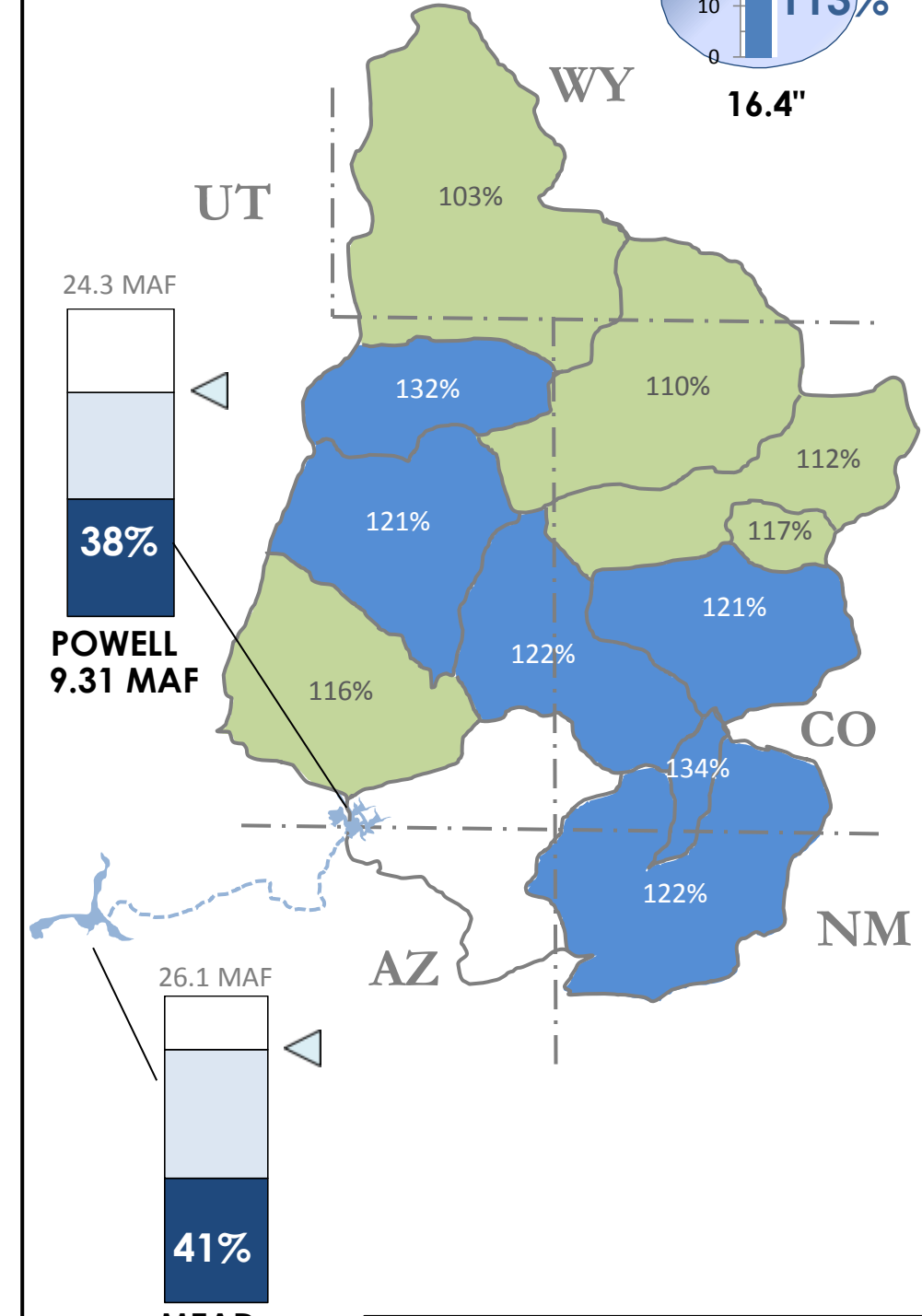
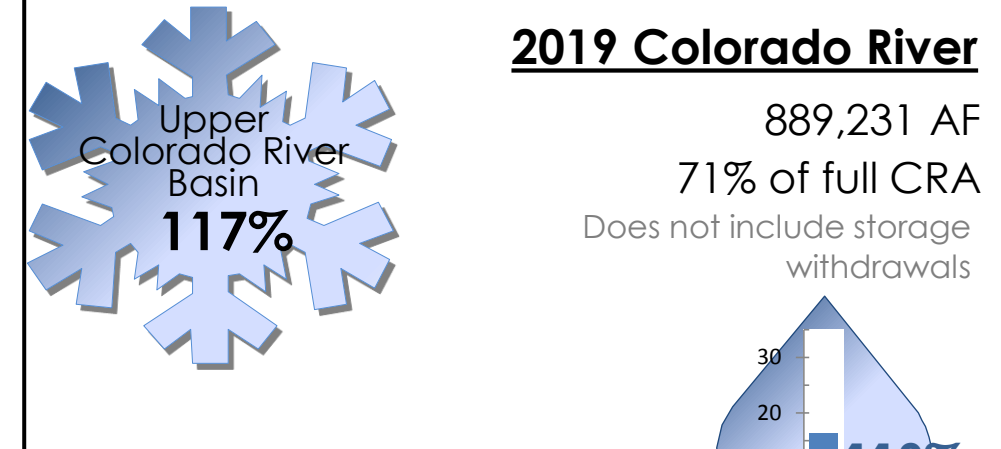
Likelihood based on results from the January 2019 MTOM/CRSS model run.

## Powell Unregulated Inflow



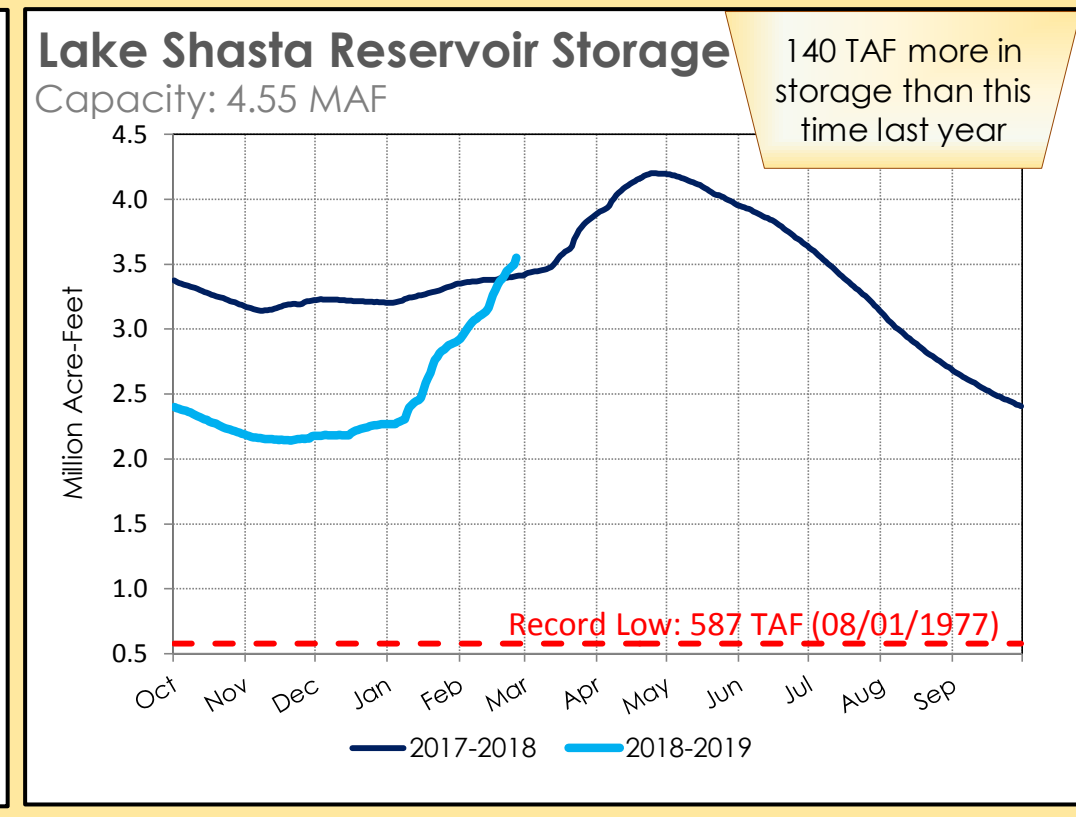
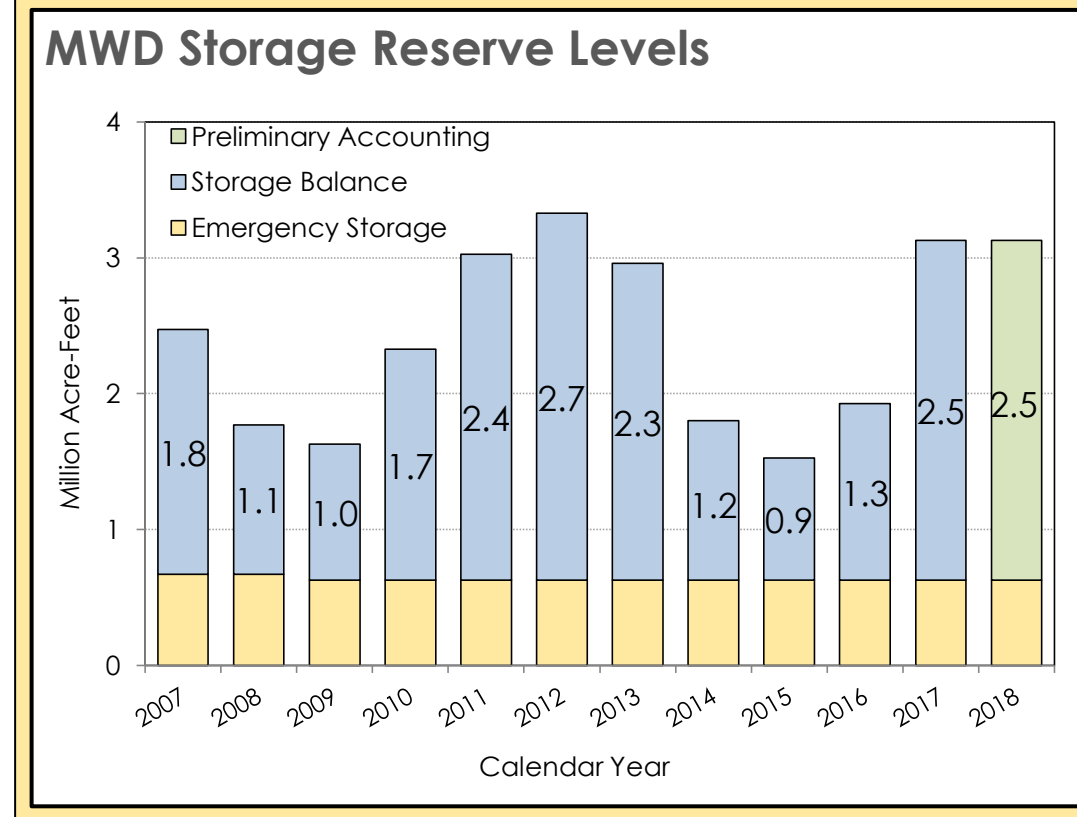
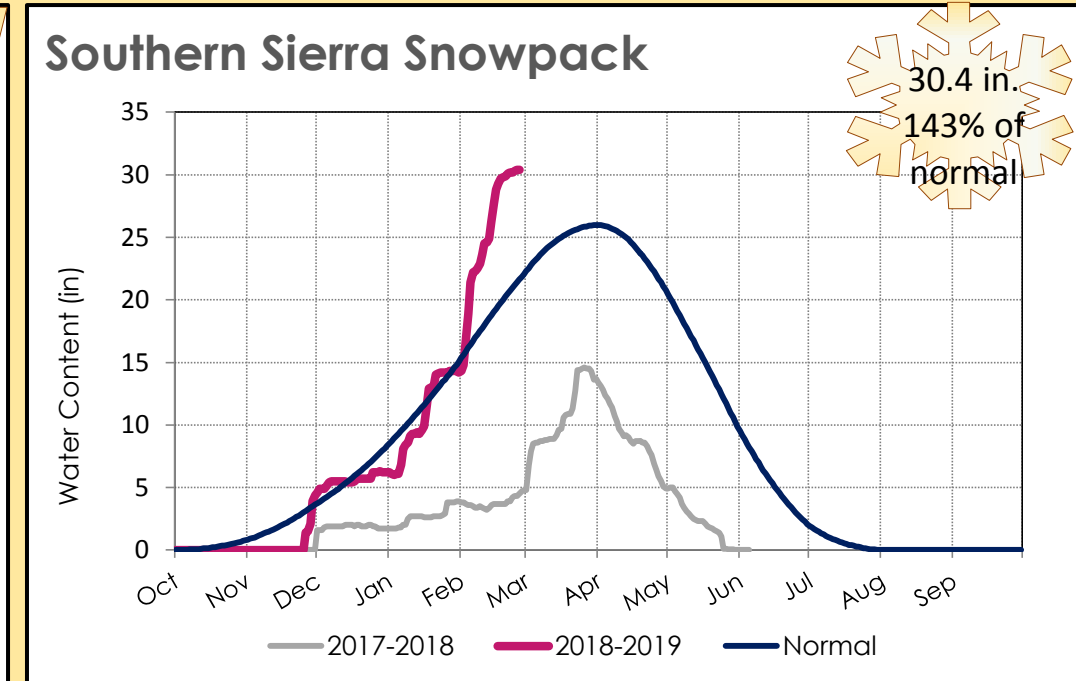
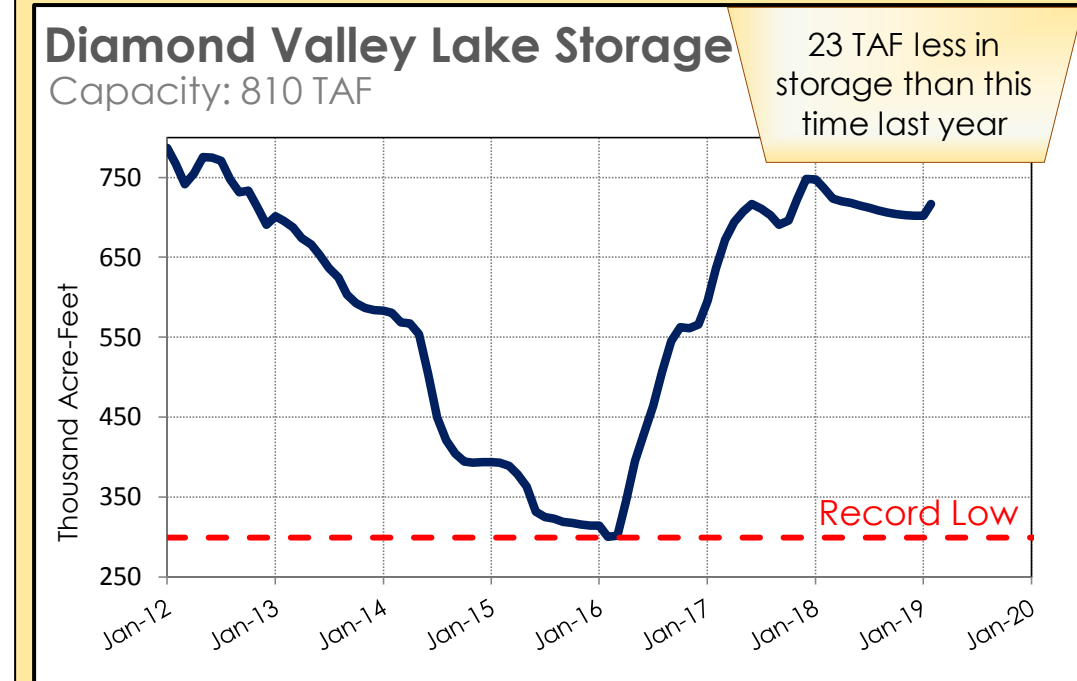
## Lake Mead Storage





### Highlights

- Northern Sierra snowpack is at 144% of normal
- Upper Colorado River Basin snowpack is at 117% of normal
- Southern California precipitation above normal - Los Angeles (160% of normal) and San Diego (155% of normal)



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**2019 SWP Allocation**  
669,025 AF  
35% of Table A

**Statewide**  
**144%**

**OROVILLE**  
1.98 MAF  
**56%**  
8 STA: 42.7"  
WY Avg: 122%

**SAN LUIS**  
TOT: 1.97 MAF  
SWP: 1057 TAF  
**96%**  
5 STA: 33.9"  
WY Avg: 130%

**LA: 15.7"**  
WY Avg: 160%

**SD: 10.6"**  
WY Avg: 155%

**CASTAIC**  
261 TAF  
**80%**

**DVL**  
716 TAF  
**88%**

**325 TAF**

**810 TAF**

**3.5 MAF**

**2.04 MAF**

**26.1 MAF**

**24.3 MAF**

**WY Avg**  
**% Normal WY to Date**

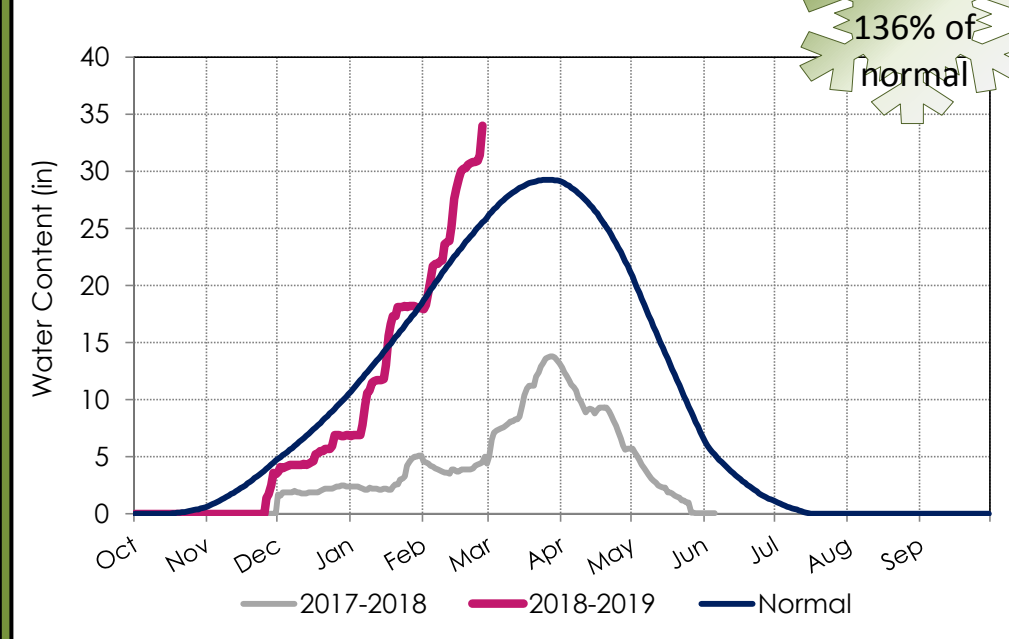
**Capacity**  
**Average EOM**  
**Current Storage (% Capacity)**

**Rainfall to Date (in)**

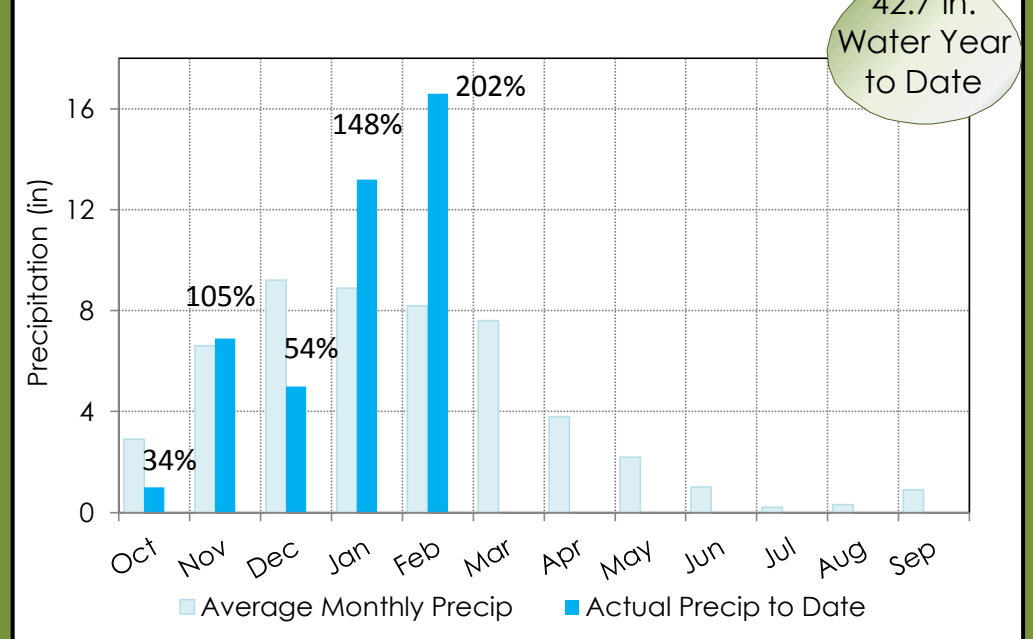
As of: 02/25/2019

# State Water Project Resources

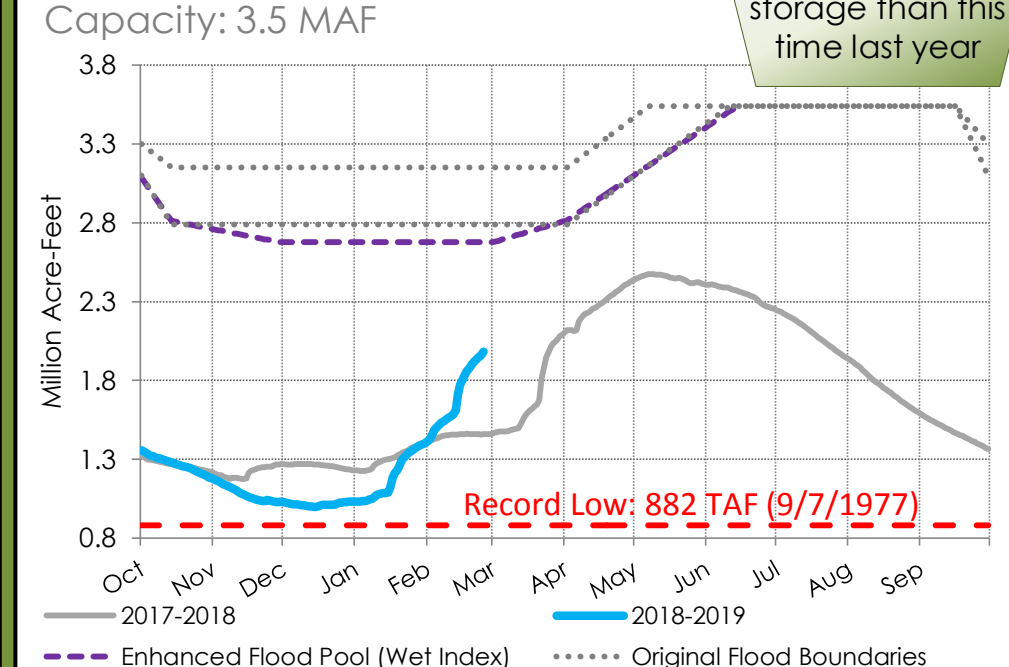
## Northern Sierra Snowpack



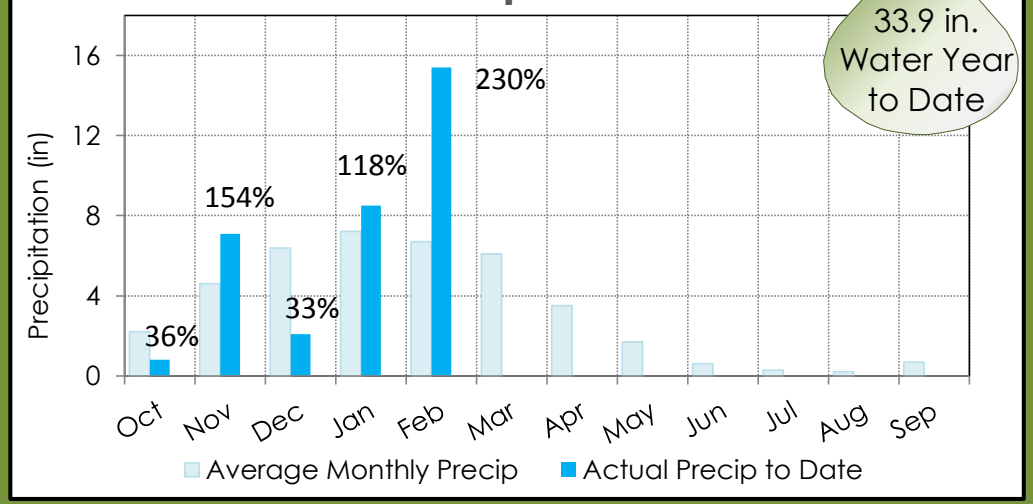
## 8 Station Index Precip



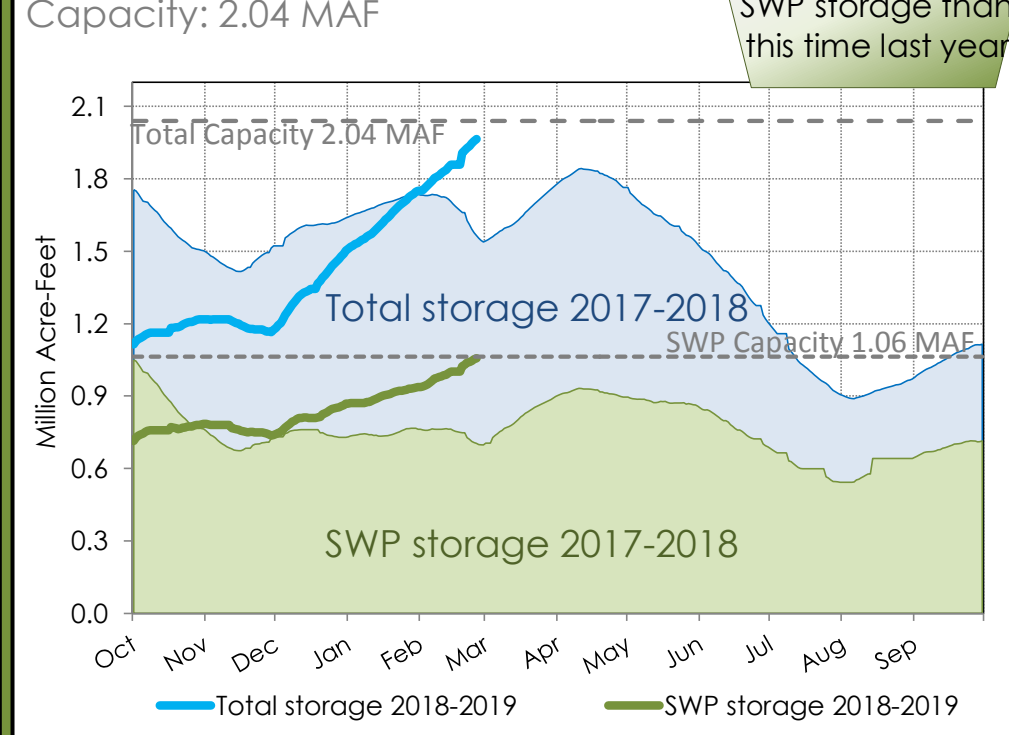
## Oroville Reservoir Storage



## 5 Station Index Precip



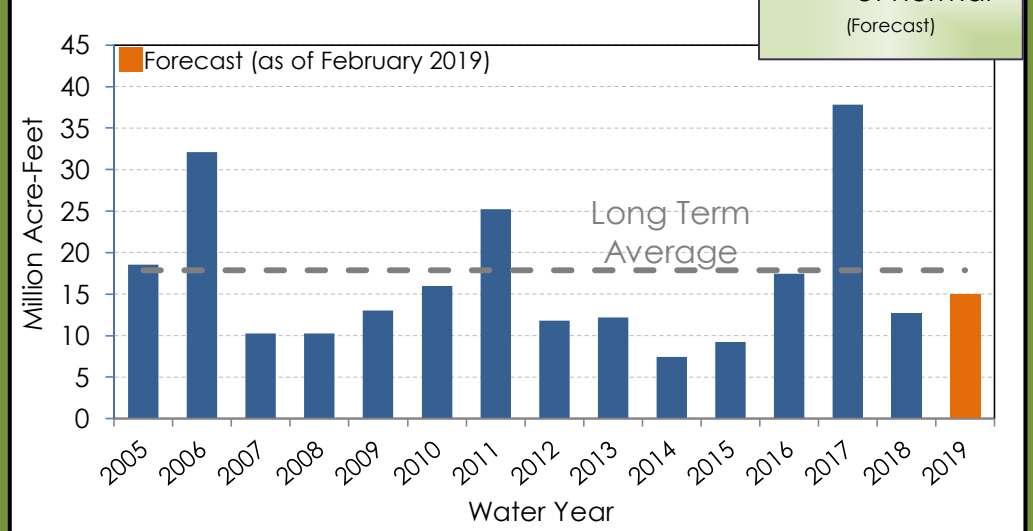
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

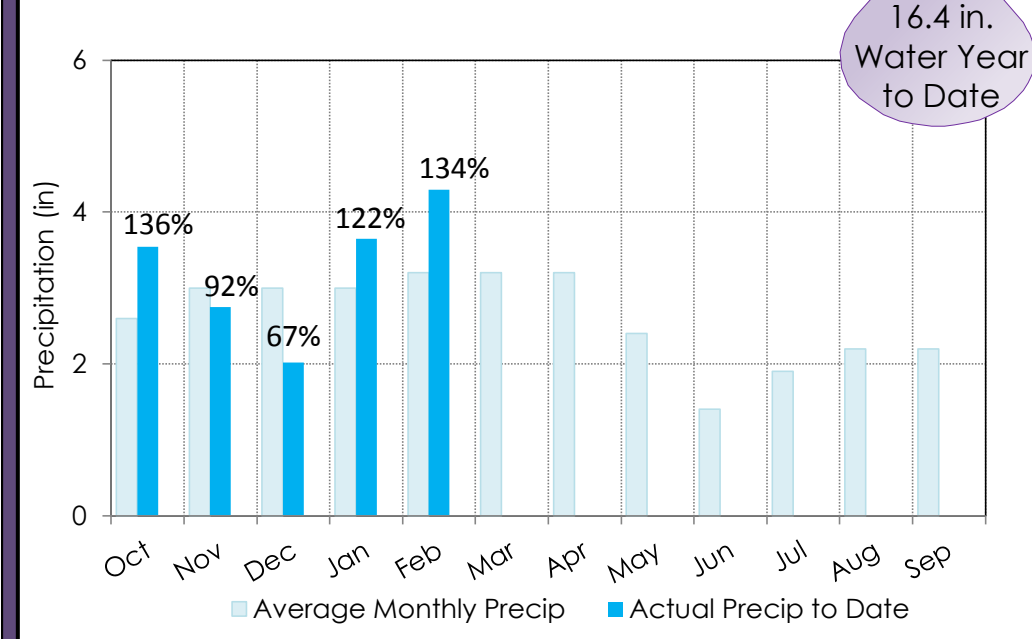
## Sacramento River Runoff



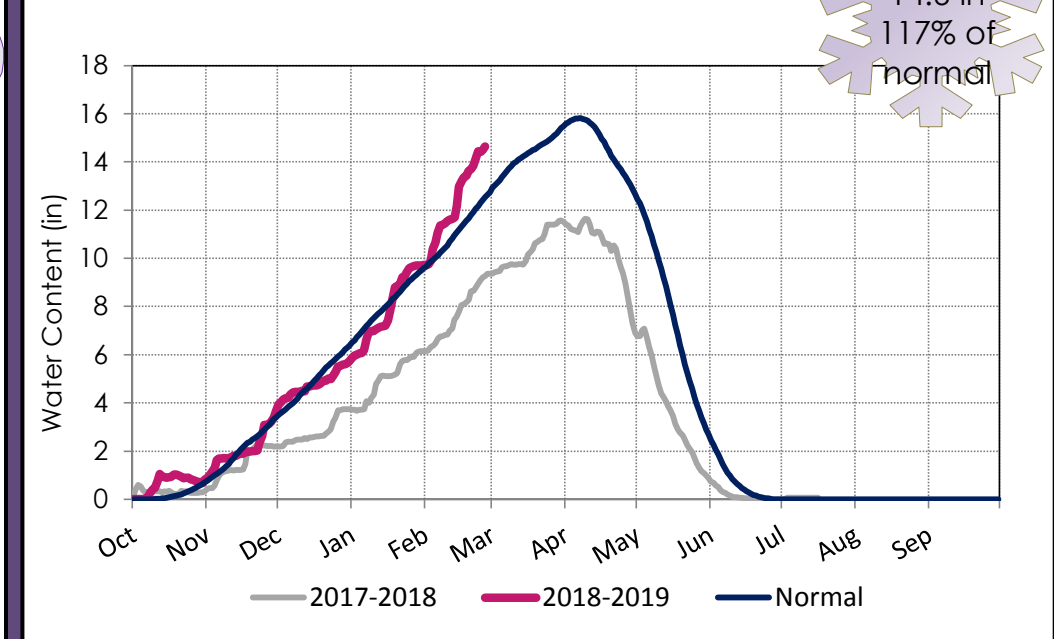
# Colorado River Resources

As of: 02/25/2019

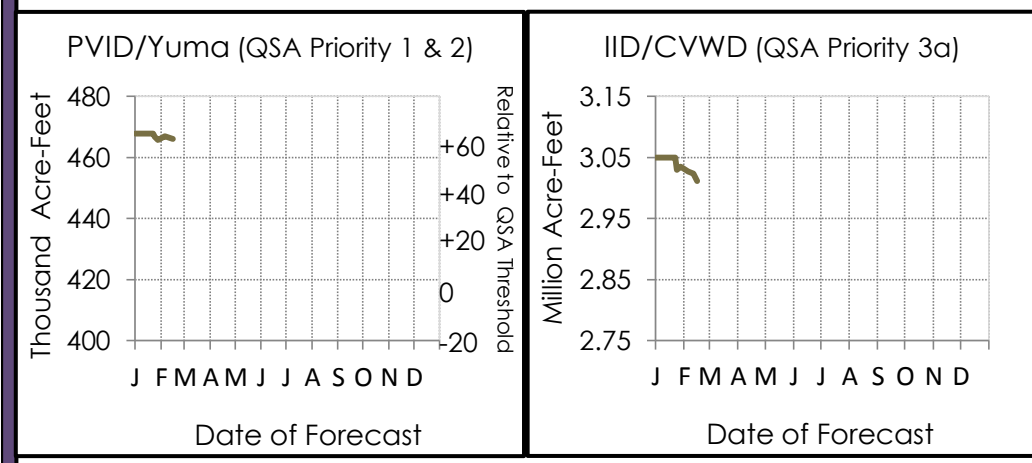
## Upper Colorado Basin Precip



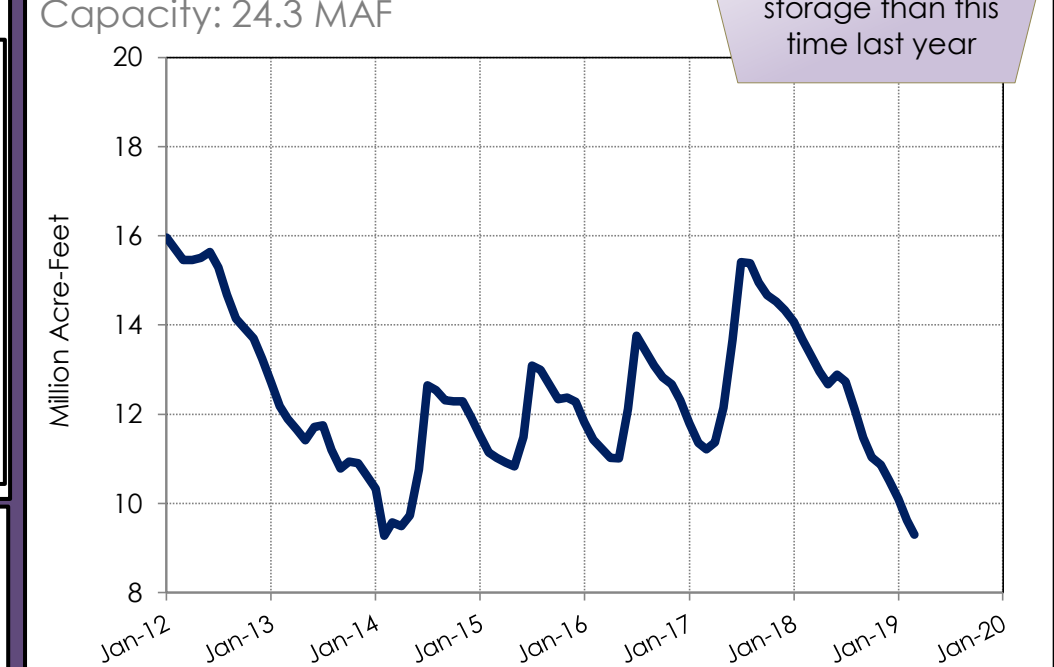
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

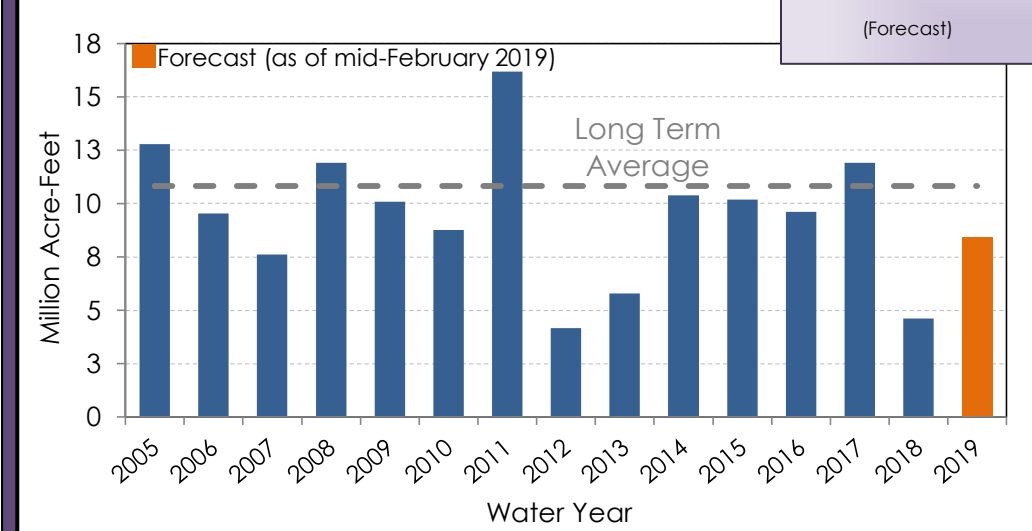


## Lake Mead Shortage/Surplus Outlook

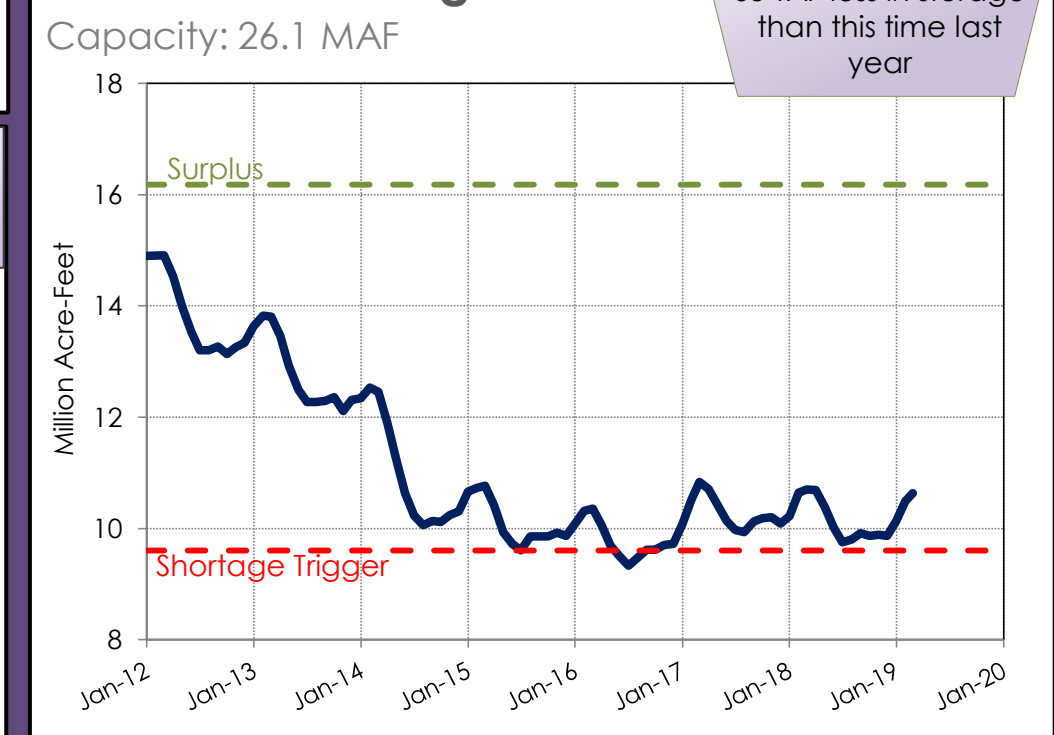
	2019	2020	2021	2022	2023
Shortage	0%	69%	82%	81%	79%
Surplus	0%	0%	0%	1%	4%

Likelihood based on results from the January 2019 MTOM/CRSS model run.

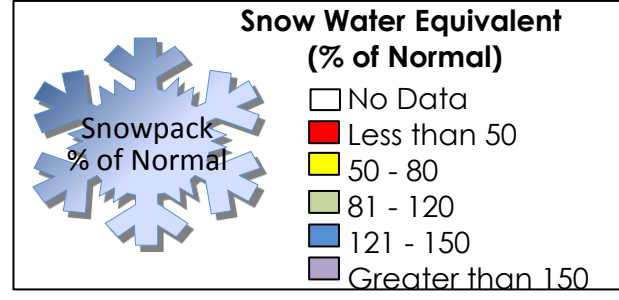
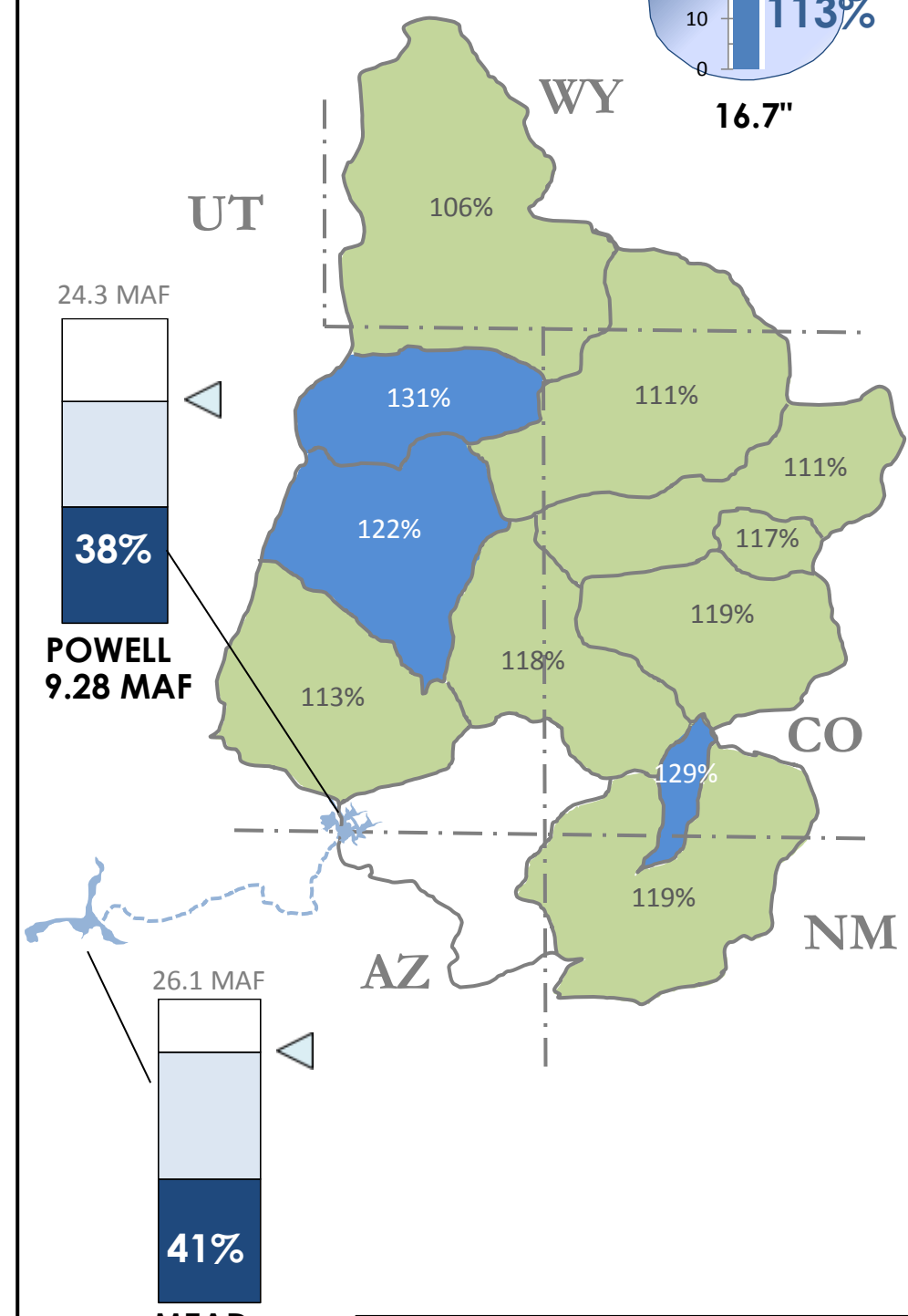
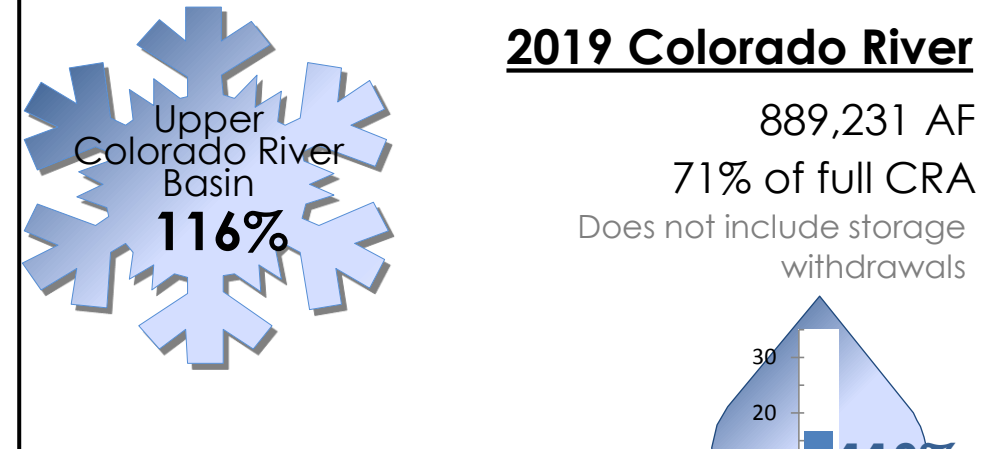
## Powell Unregulated Inflow



## Lake Mead Storage

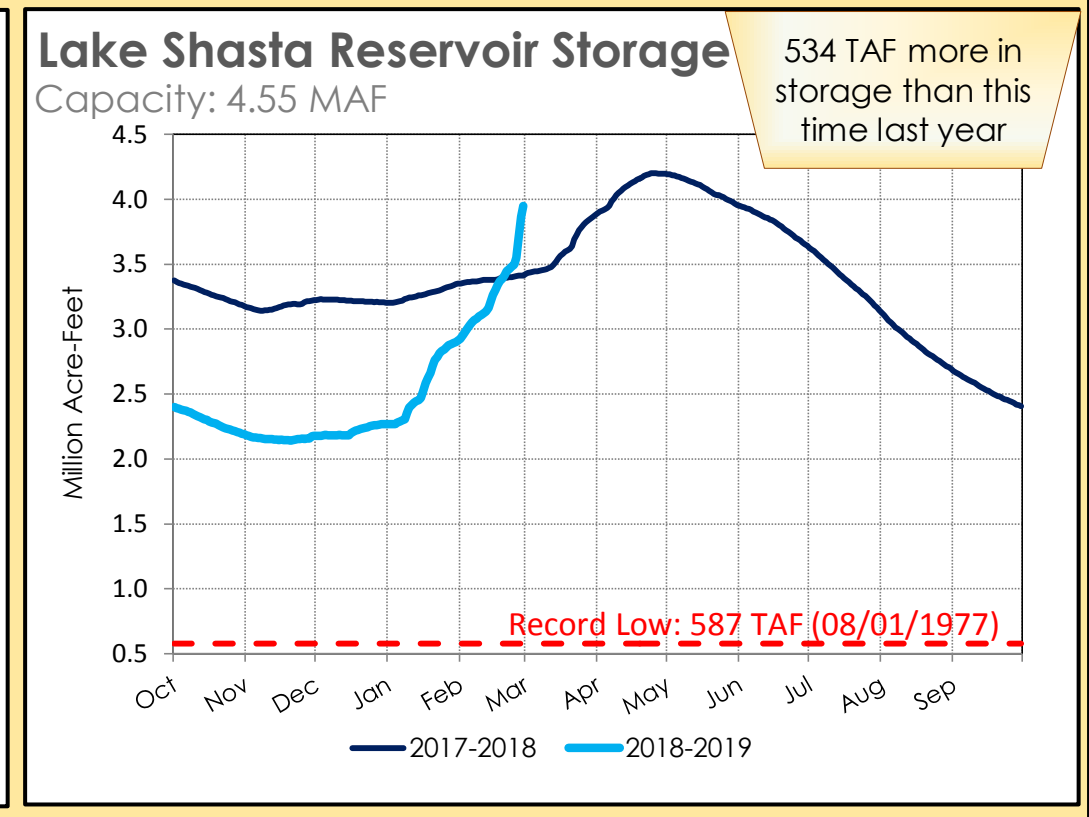
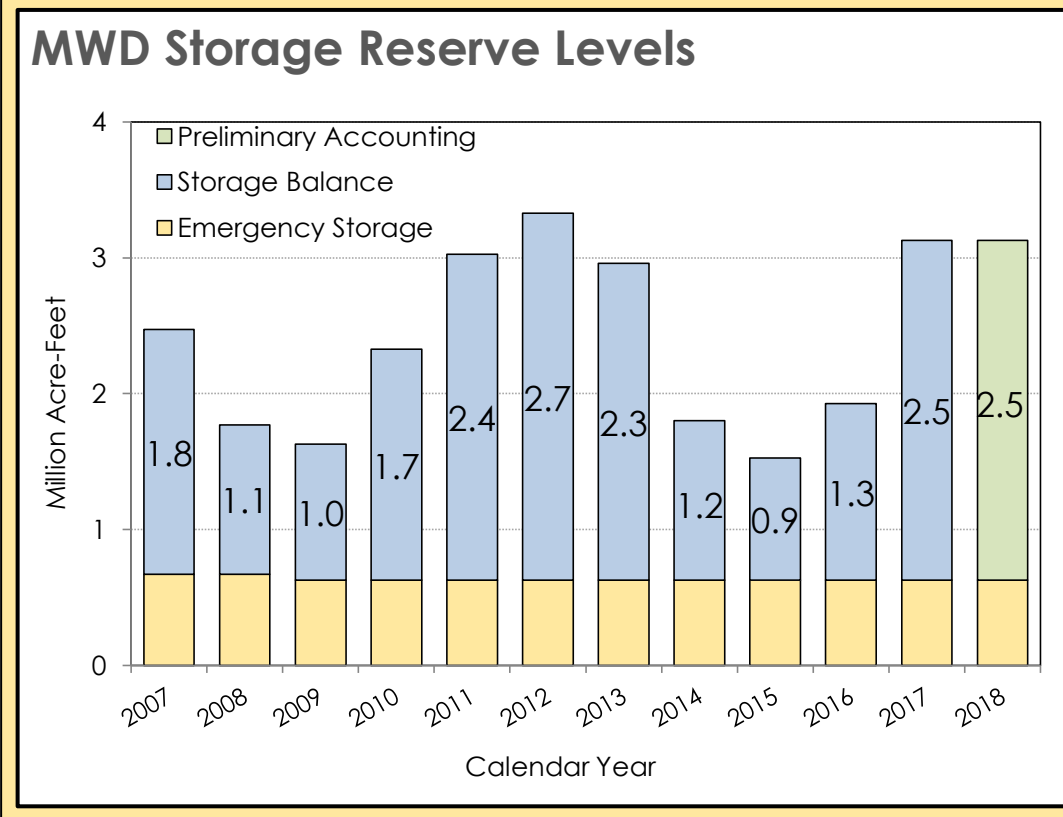
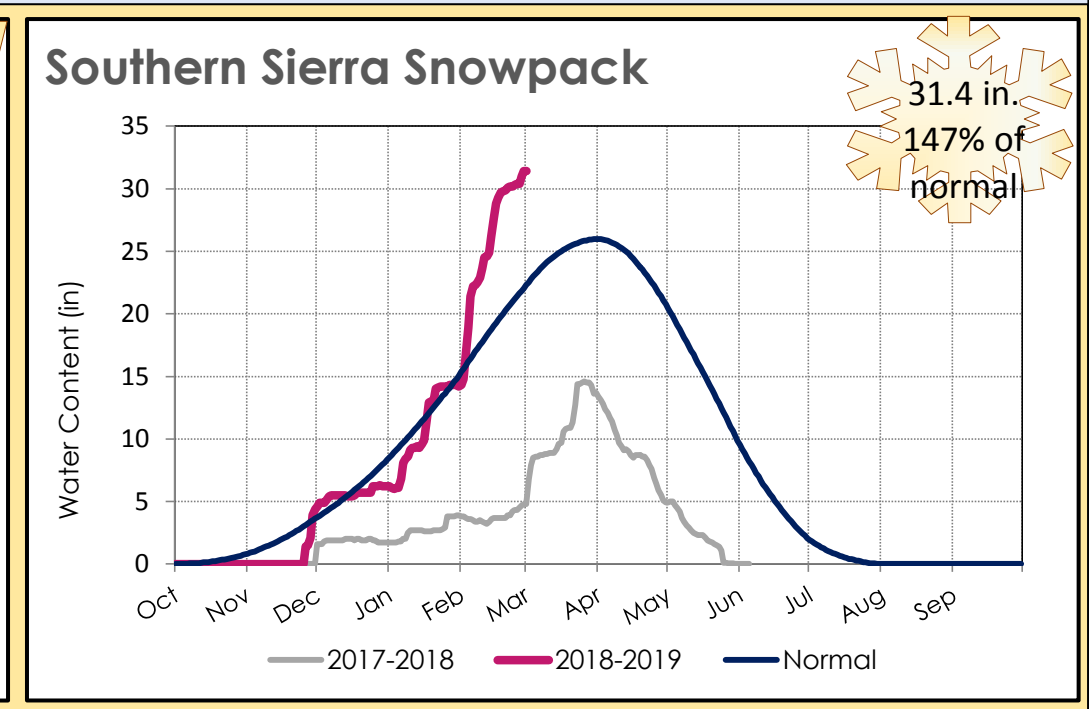
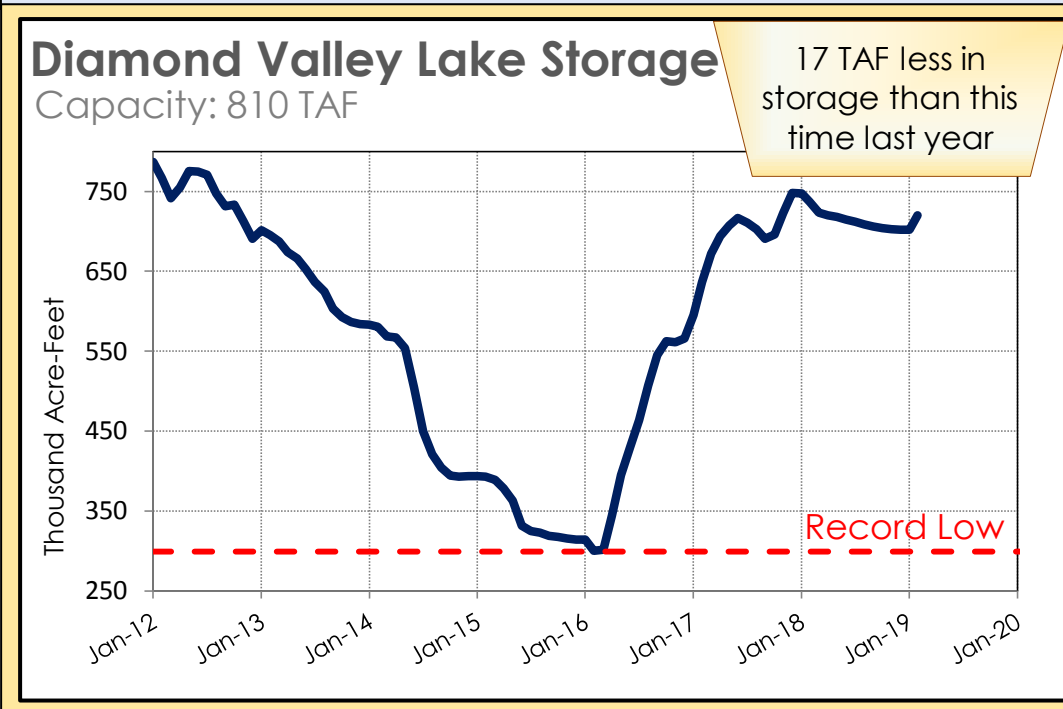






**Highlights**

- Northern Sierra snowpack is at 152% of normal
- Upper Colorado River Basin snowpack is at 116% of normal
- Southern California precipitation above normal - Los Angeles (154% of normal) and San Diego (150% of normal)



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<http://www.mwdh2o.com/WSCR>

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**2019 SWP Allocation**  
669,025 AF  
35% of Table A  
Statewide **153%**

**OROVILLE** 2.19 MAF  
**SAN LUIS** TOT: 1.98 MAF SWP: 1062 TAF  
**CASTAIC** 260 TAF  
**DVL** 720 TAF

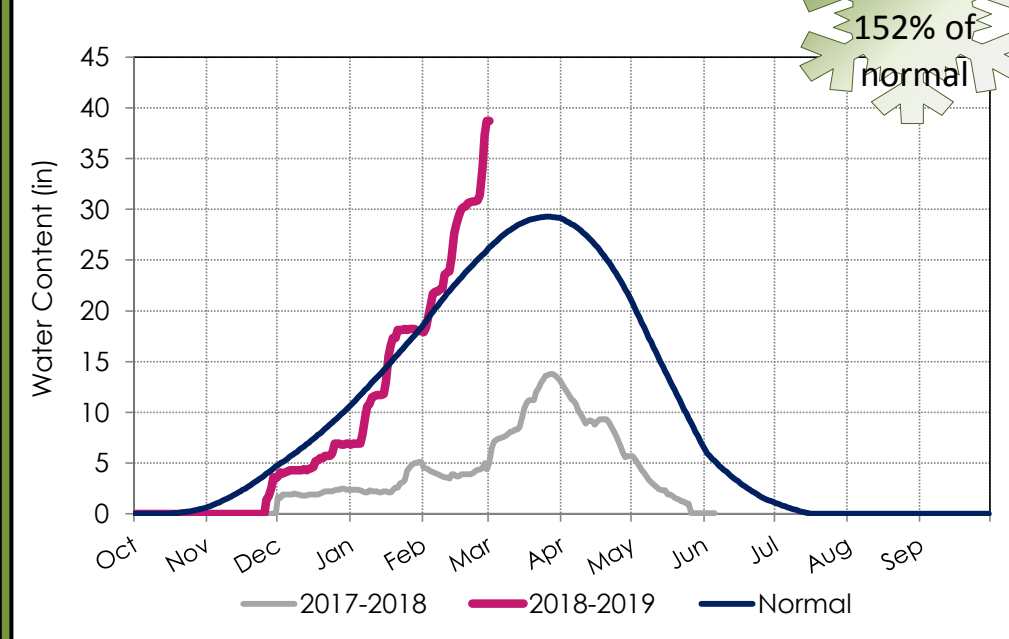
**LA: 15.7"**  
**SD: 10.6"**

Legend:  
Rainfall to Date (in) | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

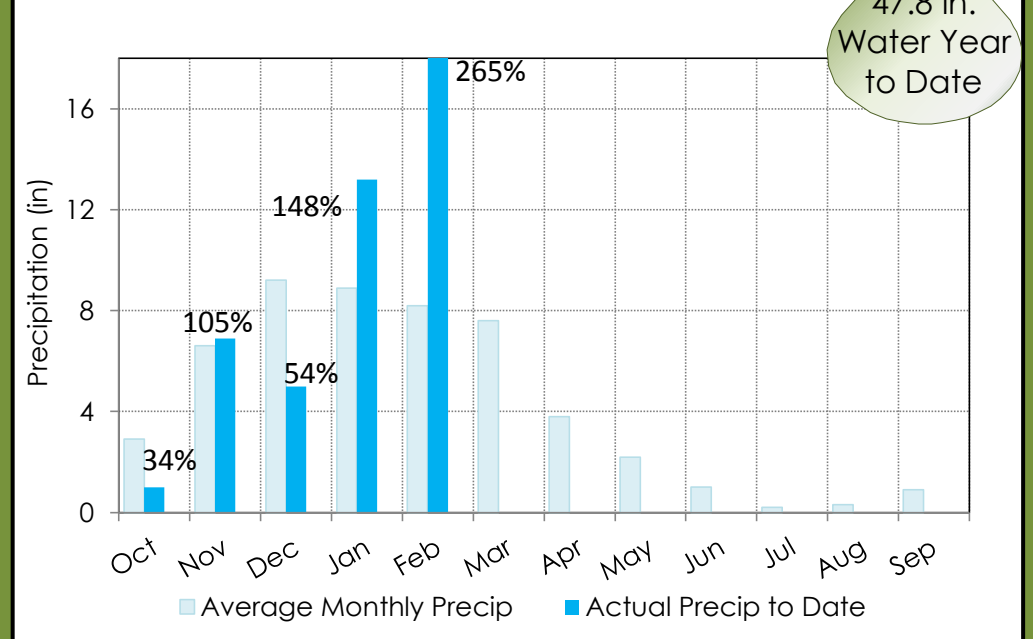
As of: 02/28/2019

# State Water Project Resources

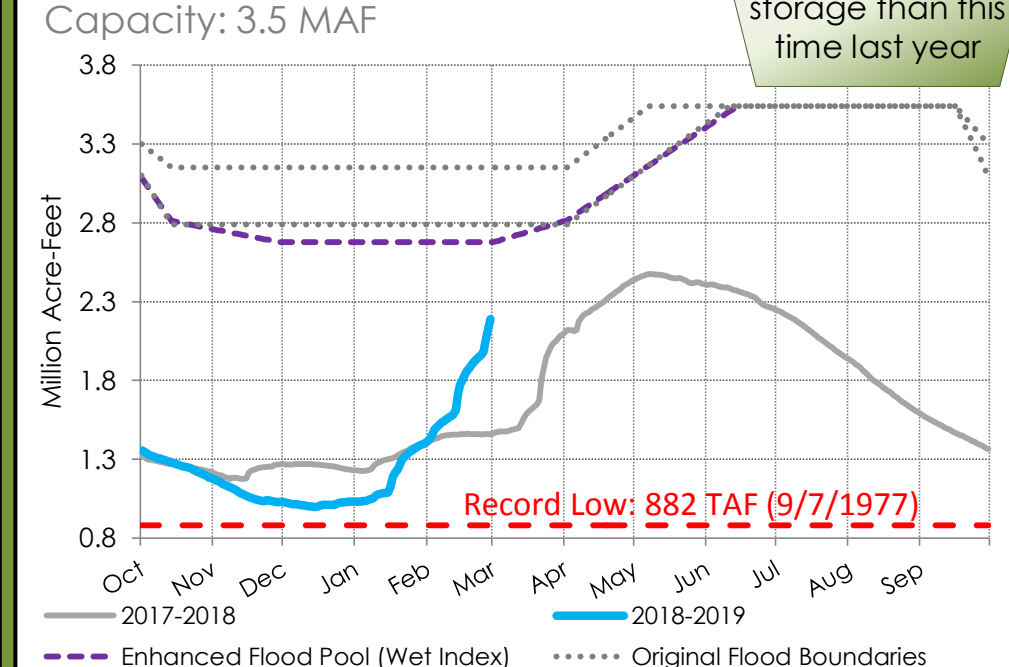
## Northern Sierra Snowpack



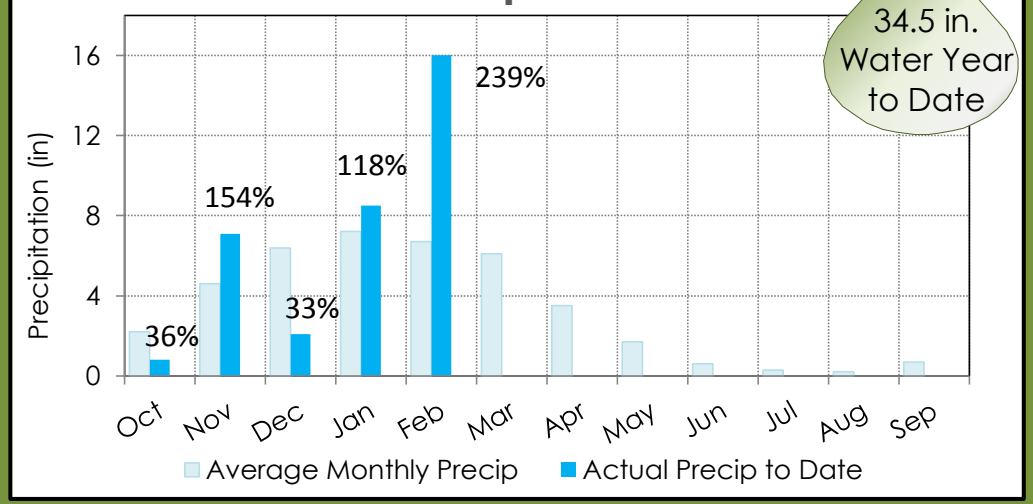
## 8 Station Index Precip



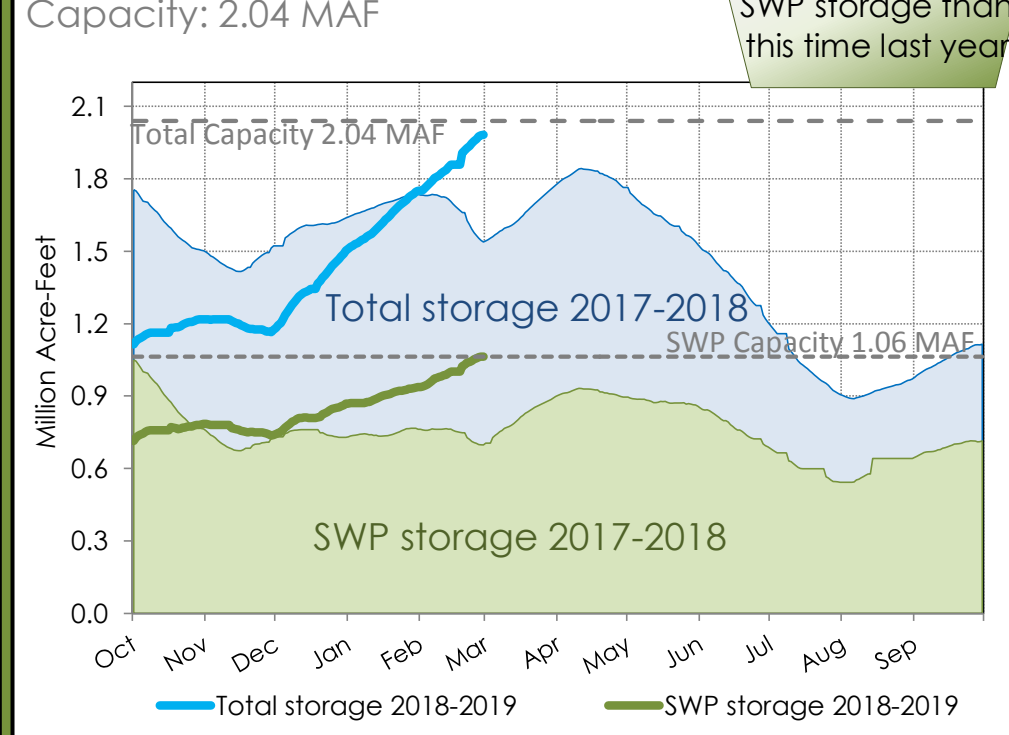
## Oroville Reservoir Storage



## 5 Station Index Precip



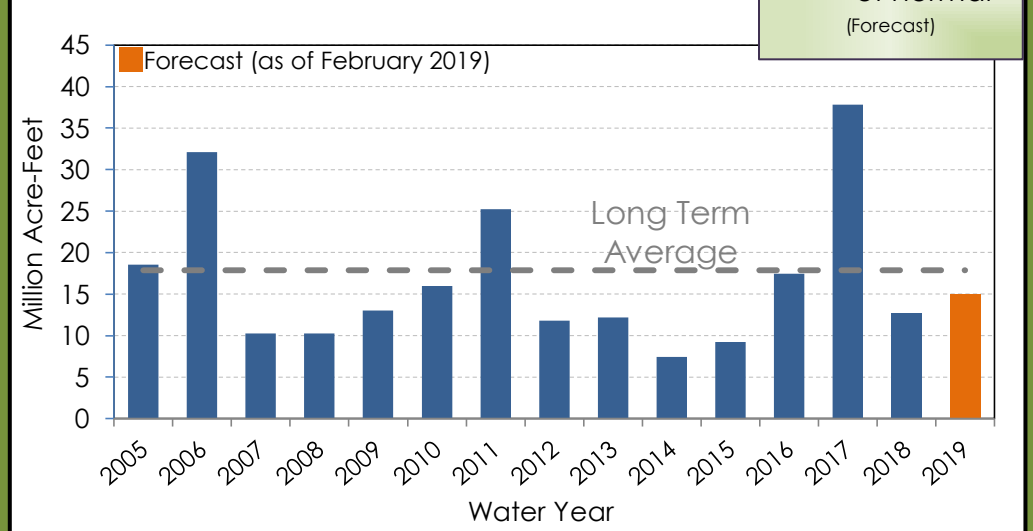
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

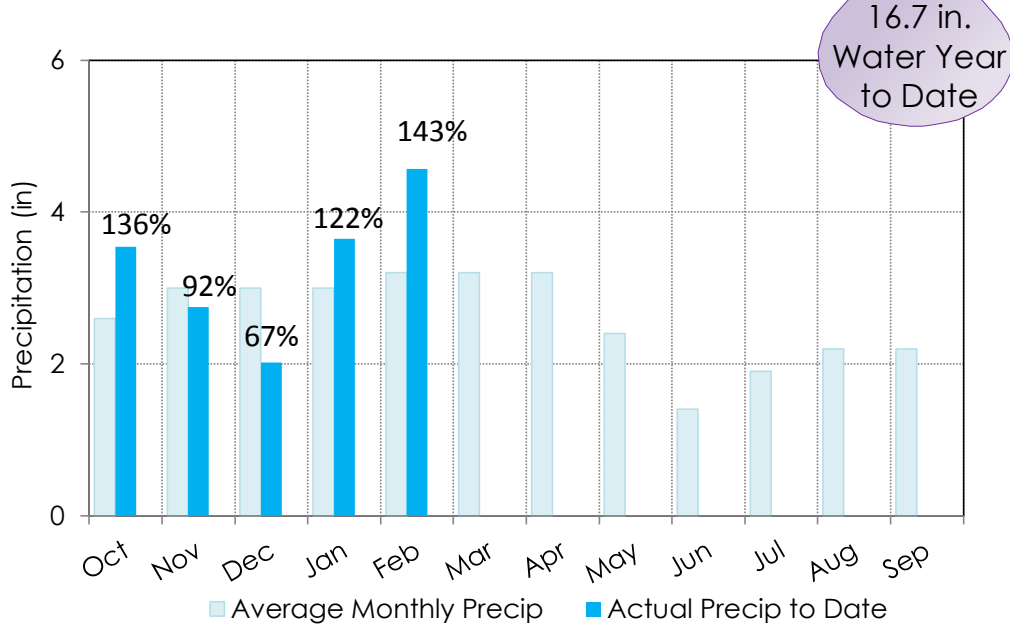
## Sacramento River Runoff



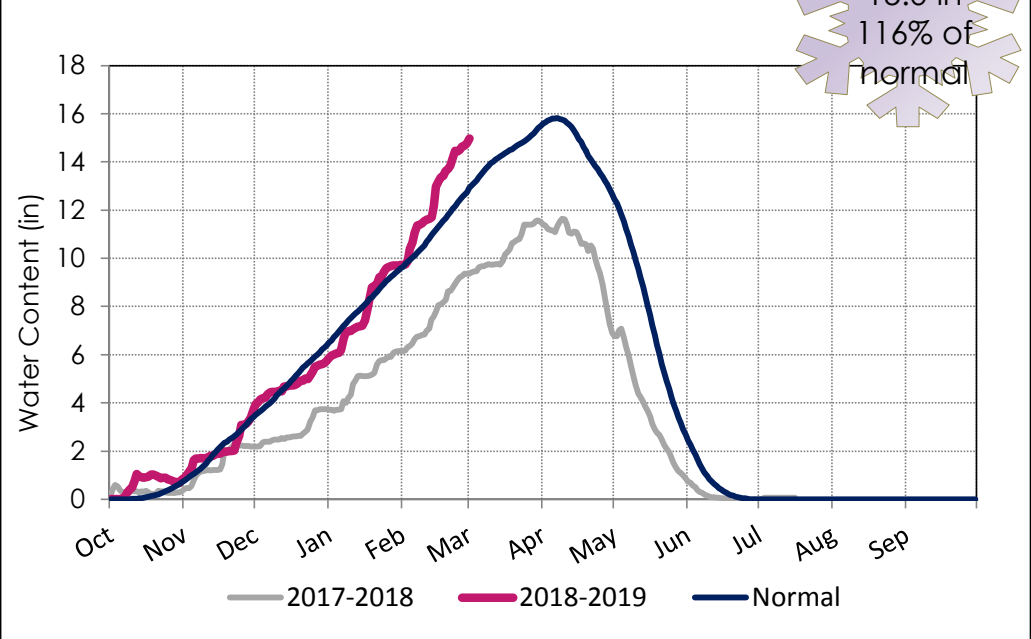
# Colorado River Resources

As of: 02/28/2019

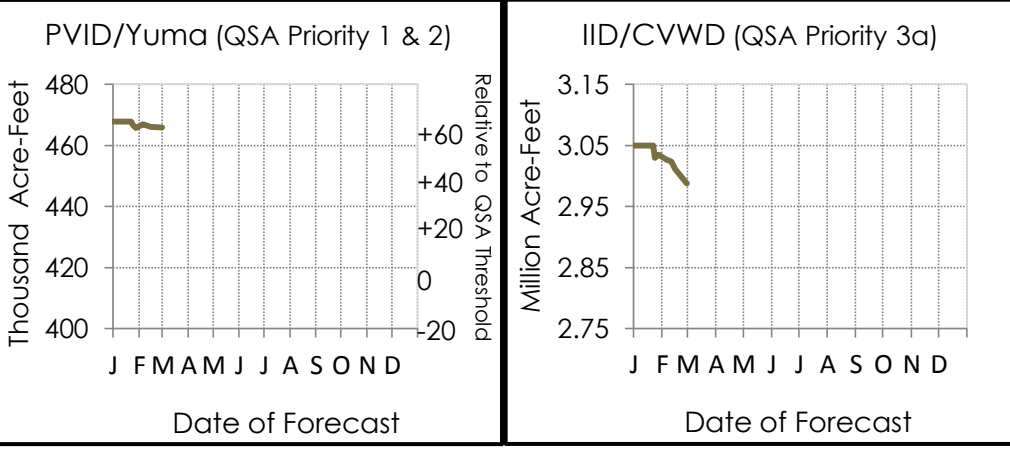
## Upper Colorado Basin Precip



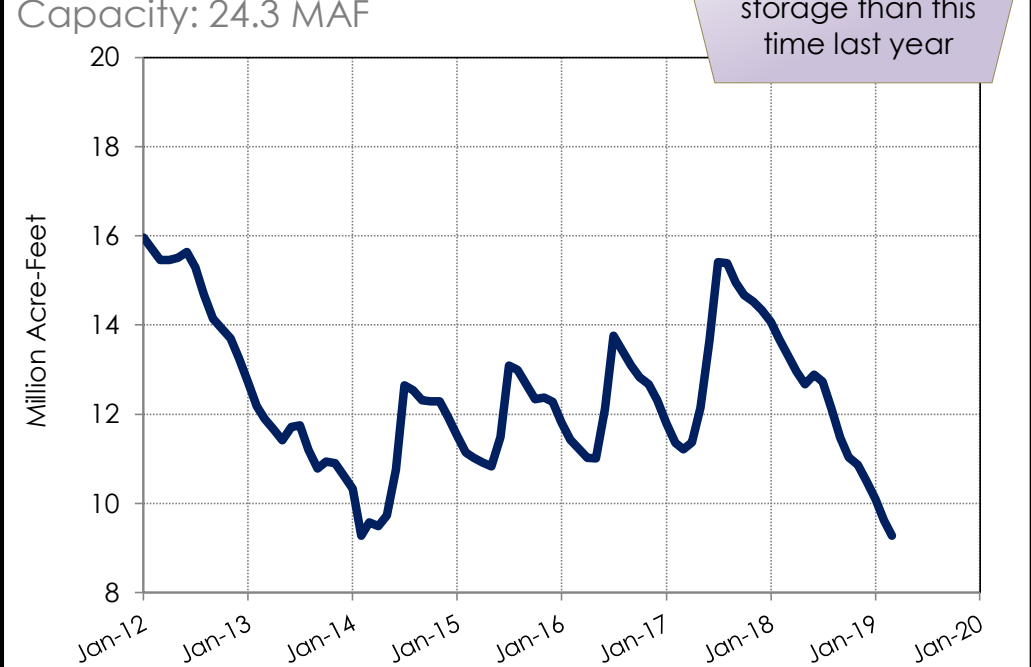
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

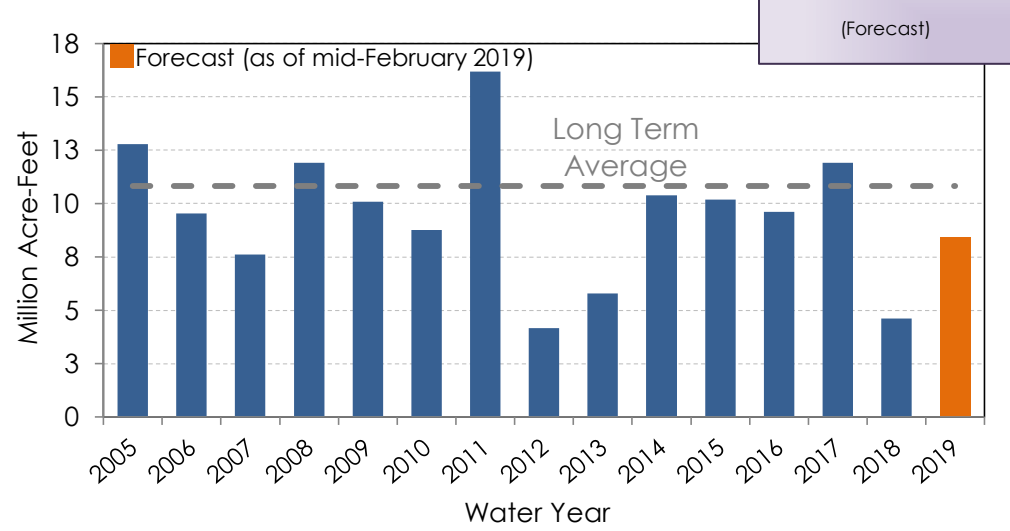


## Lake Mead Shortage/Surplus Outlook

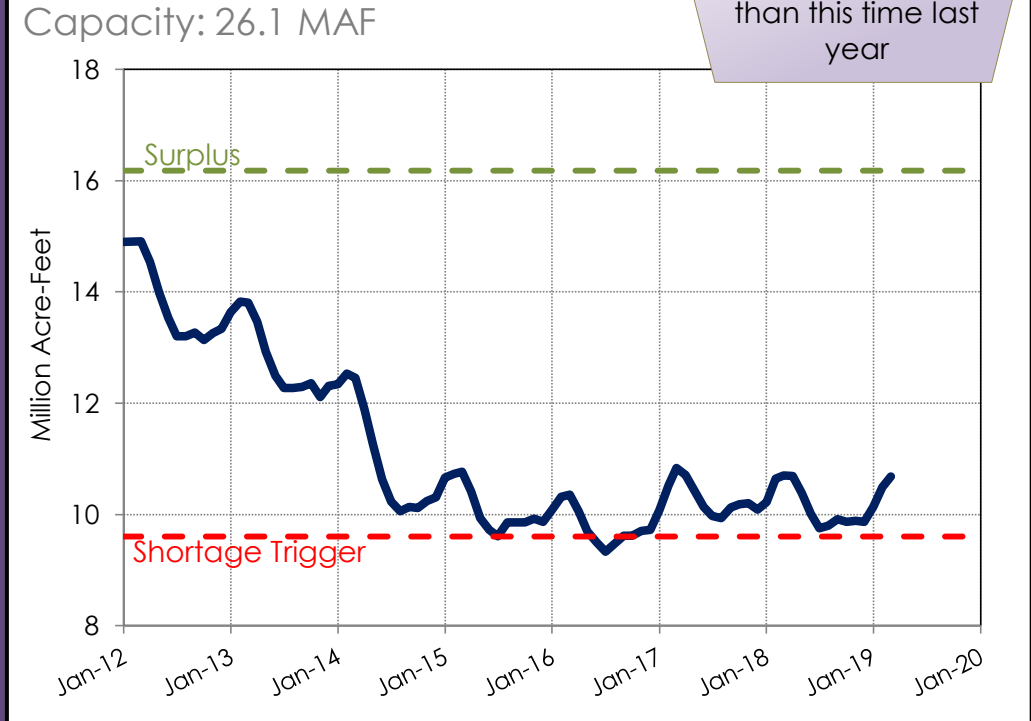
	2019	2020	2021	2022	2023
Shortage	0%	69%	82%	81%	79%
Surplus	0%	0%	0%	1%	4%

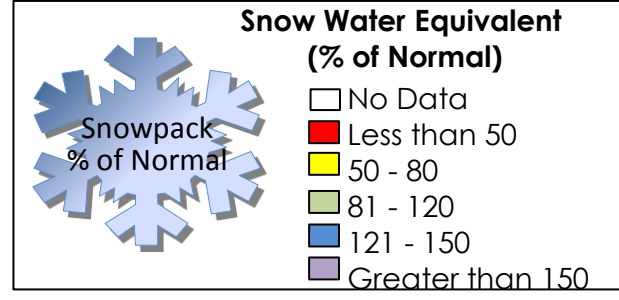
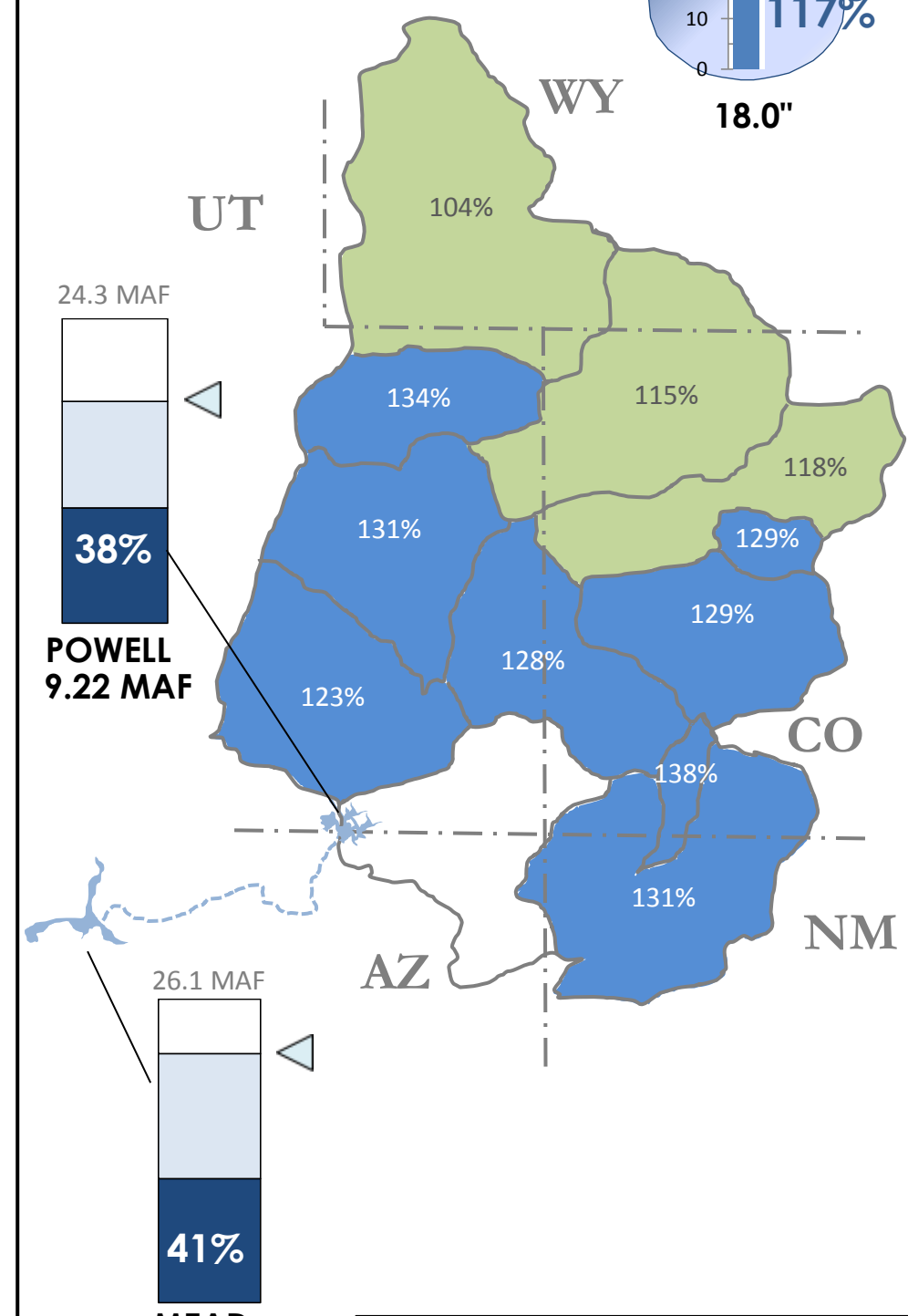
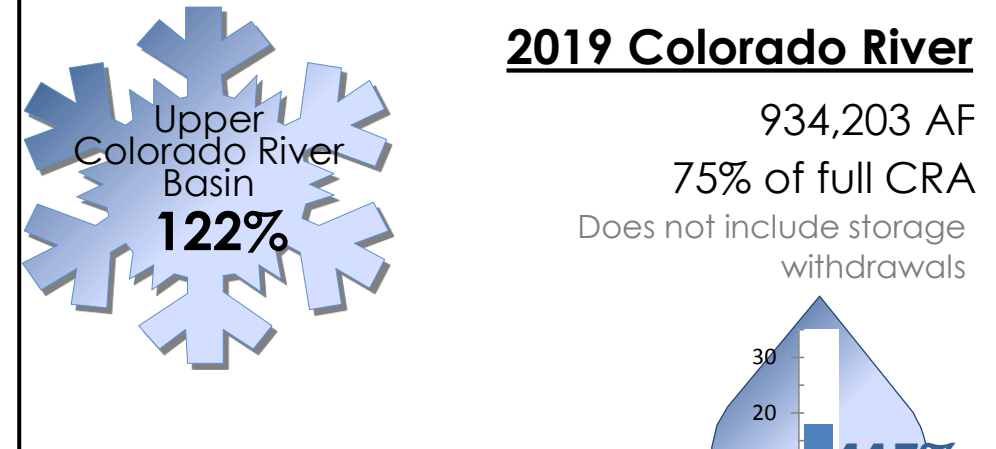
Likelihood based on results from the January 2019 MTOM/CRSS model run.

## Powell Unregulated Inflow



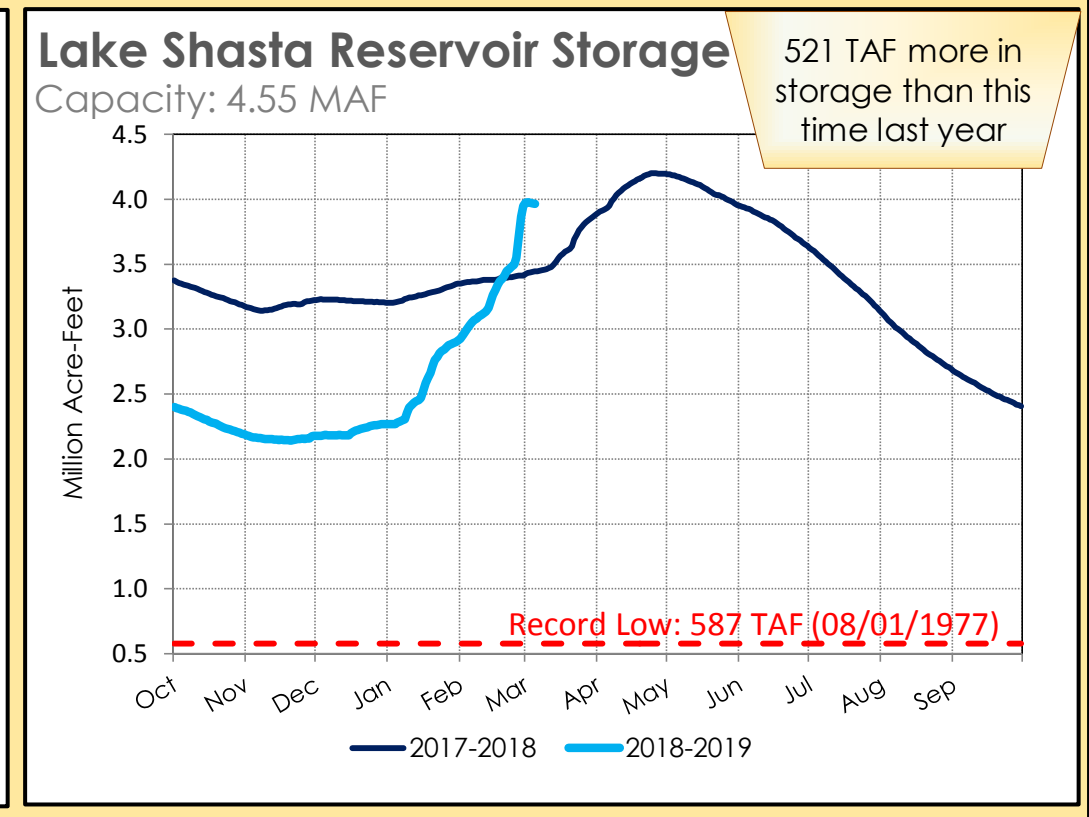
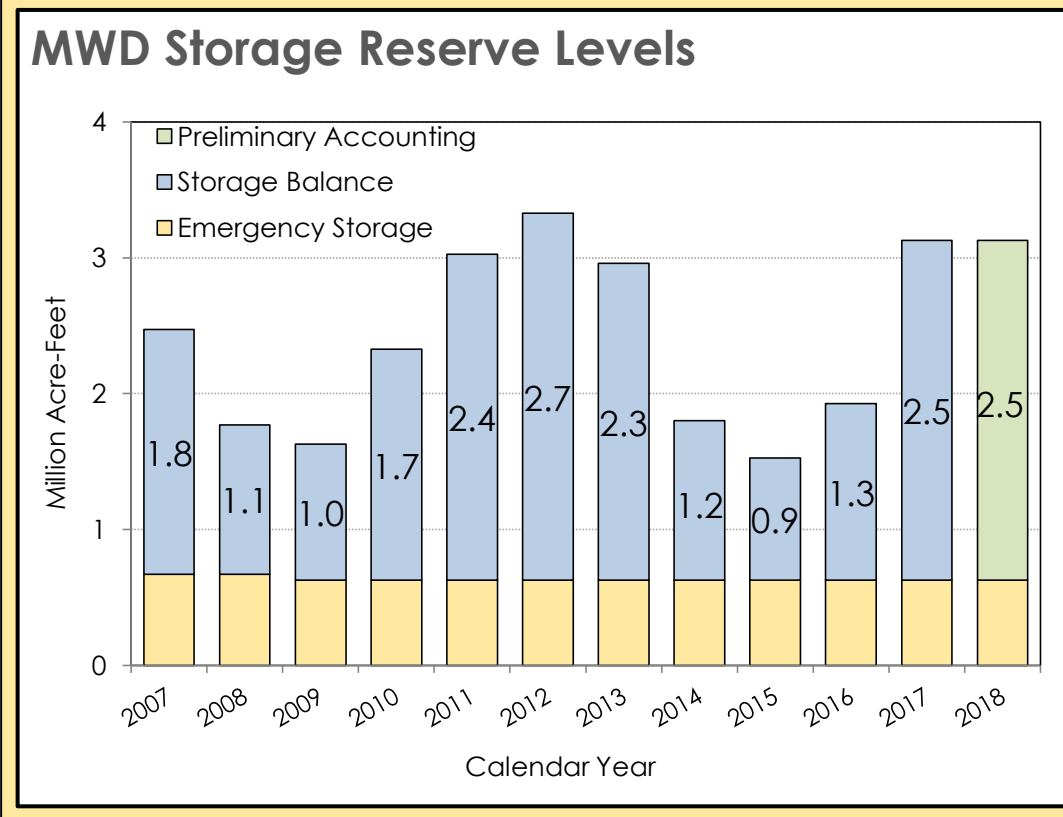
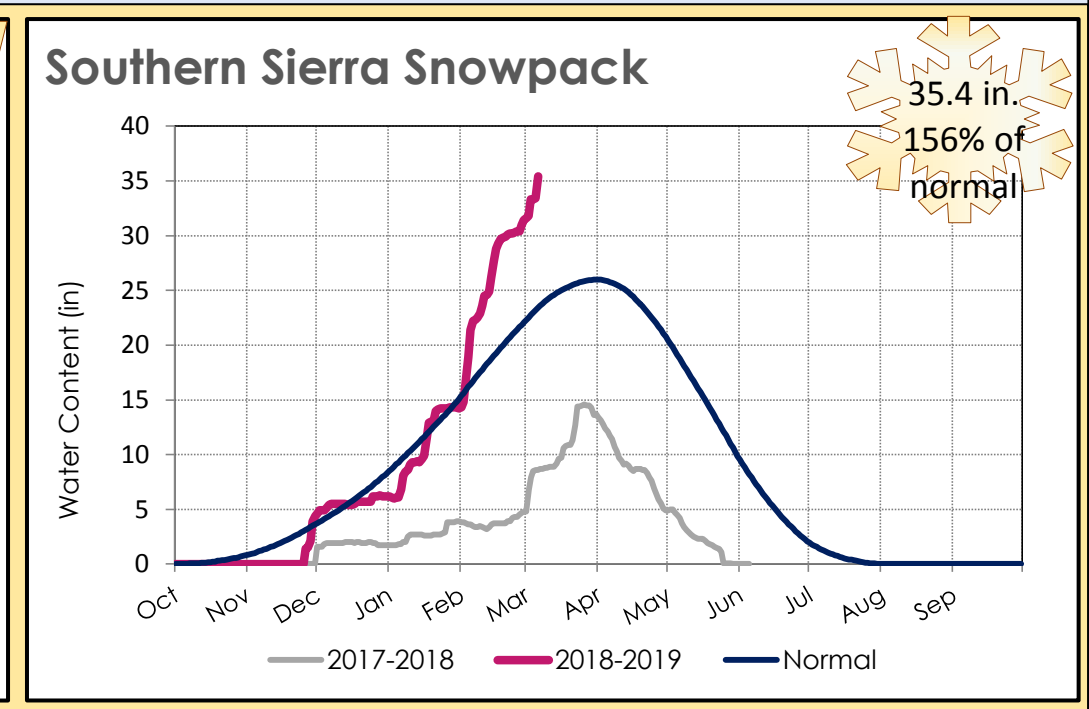
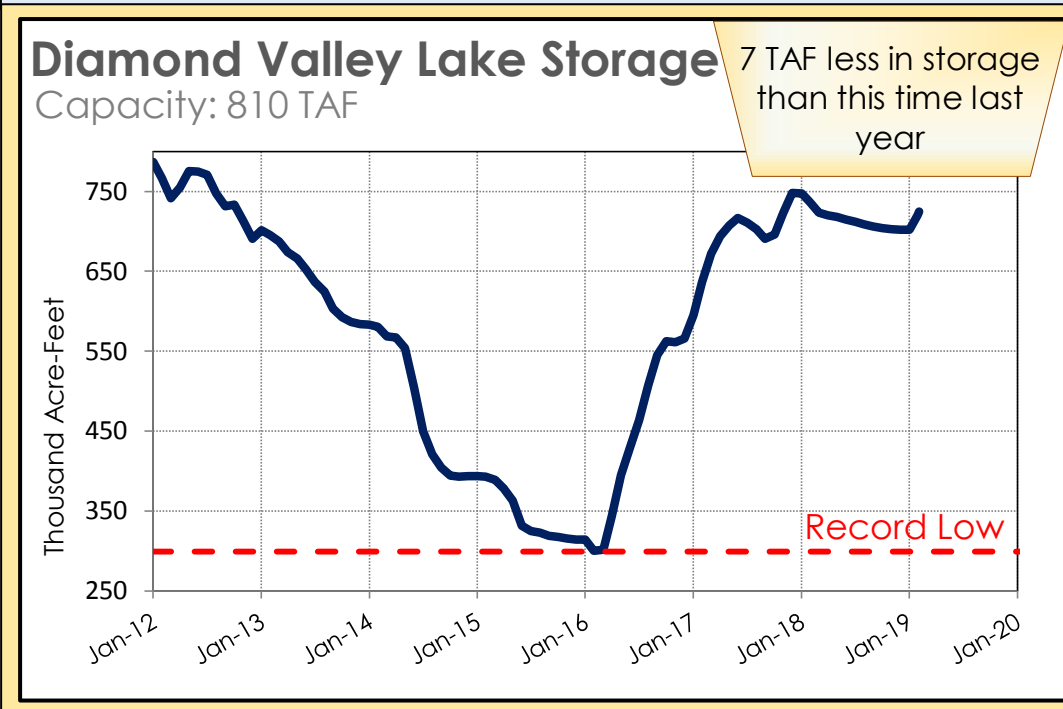
## Lake Mead Storage





### Highlights

- Northern Sierra snowpack is at 155% of normal
- Upper Colorado River Basin snowpack is at 122% of normal
- Southern California precipitation above normal - Los Angeles (155% of normal) and San Diego (145% of normal)



**2019 SWP Allocation**  
669,025 AF  
35% of Table A  
Statewide **157%**

**OROVILLE** 2.36 MAF  
**SAN LUIS TOT:** 2.01 MAF SWP: 1063 TAF  
**CASTAIC** 258 TAF  
**DVL** 725 TAF

**LA:** 16.7" (155%)  
**SD:** 10.8" (145%)

**8 STA:** 50.6" (138%)  
**5 STA:** 37.4" (134%)

3.5 MAF Capacity  
2.04 MAF Average EOM  
325 TAF Current Storage (79%)  
810 TAF Capacity  
725 TAF Current Storage (89%)

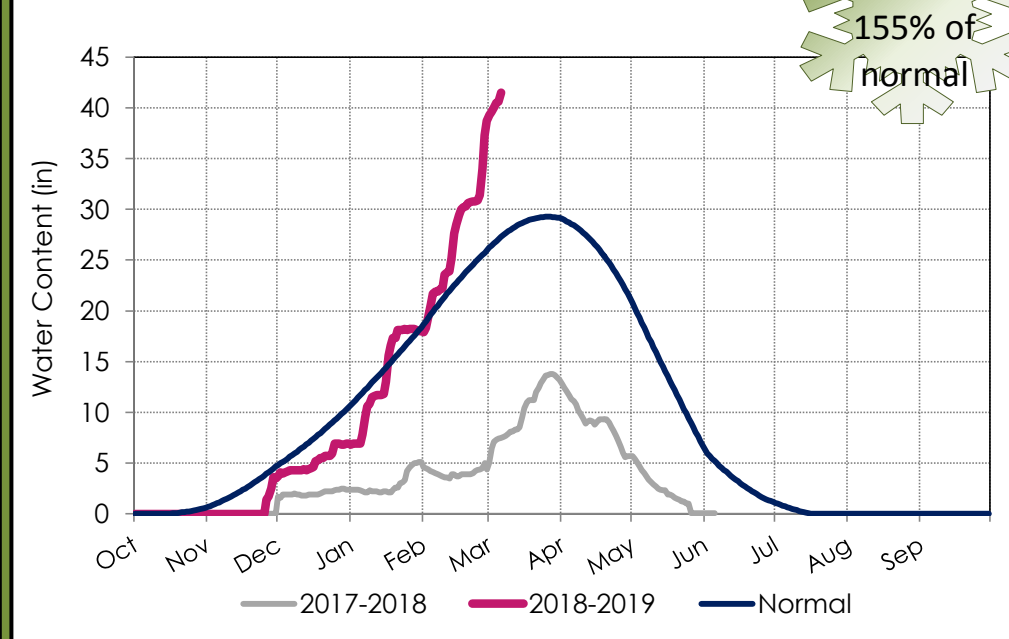
WY Avg  
% Normal WY to Date  
Capacity  
Average EOM  
Current Storage (% Capacity)

Flip Over for CRA Data | Turn page for more SWP Data

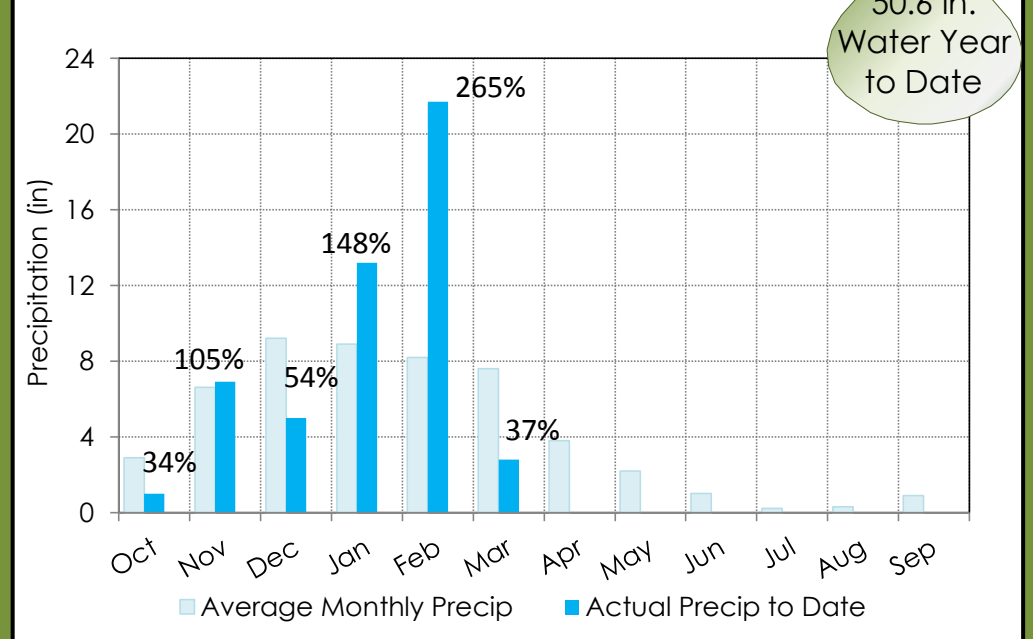
As of: 03/05/2019

# State Water Project Resources

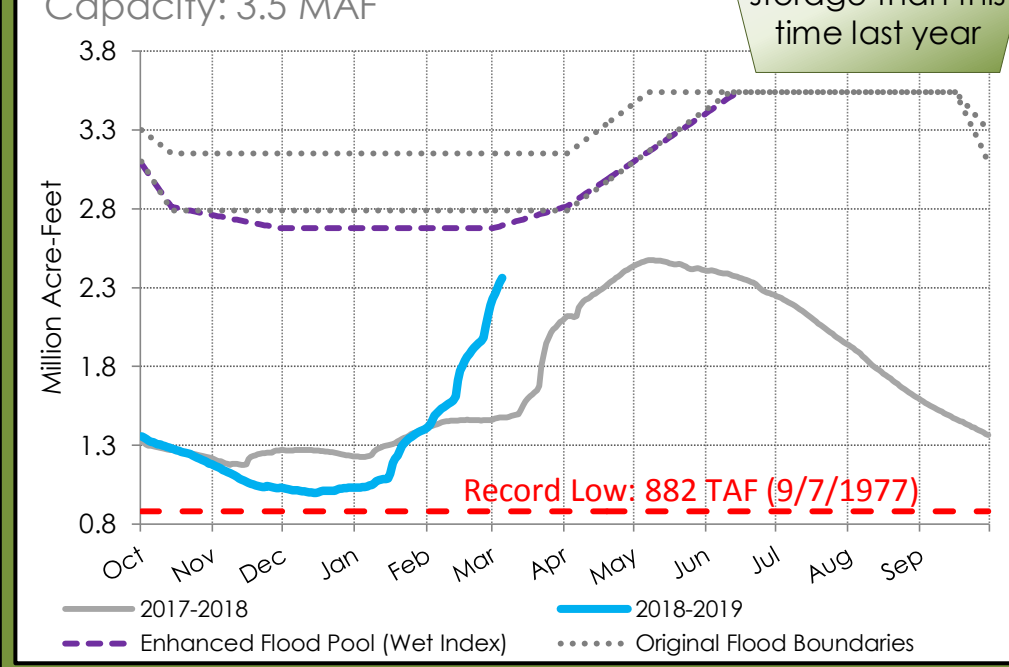
## Northern Sierra Snowpack



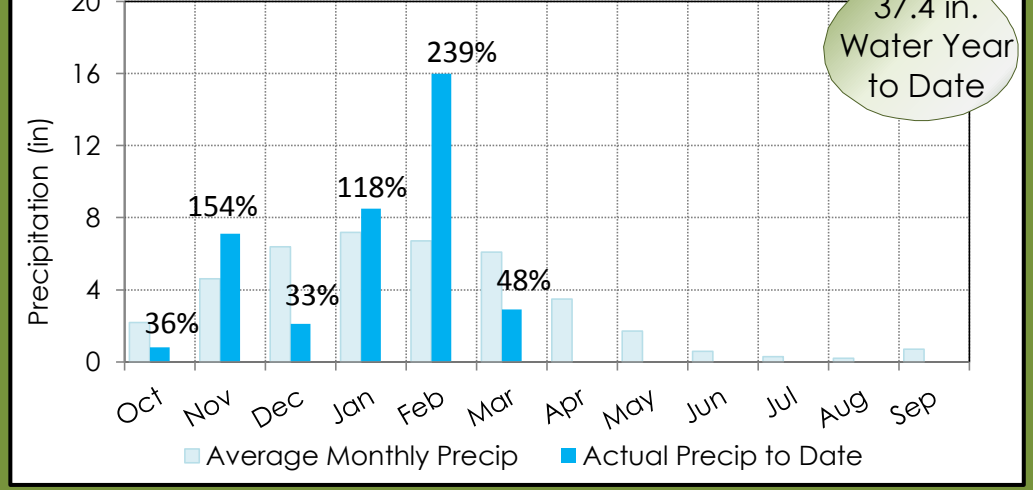
## 8 Station Index Precip



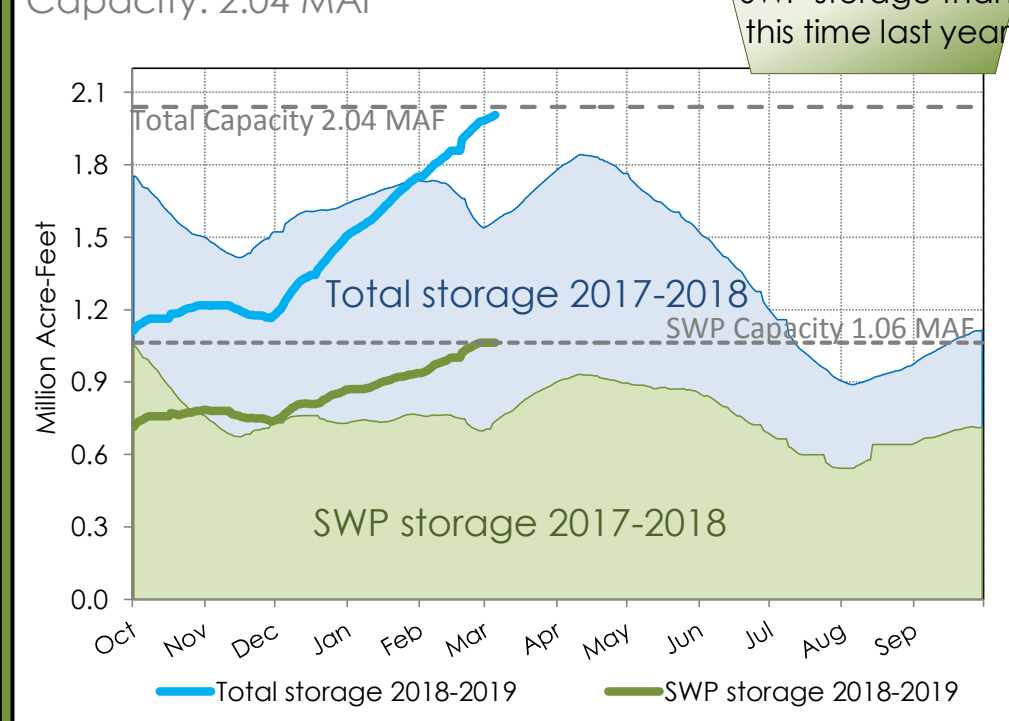
## Oroville Reservoir Storage



## 5 Station Index Precip



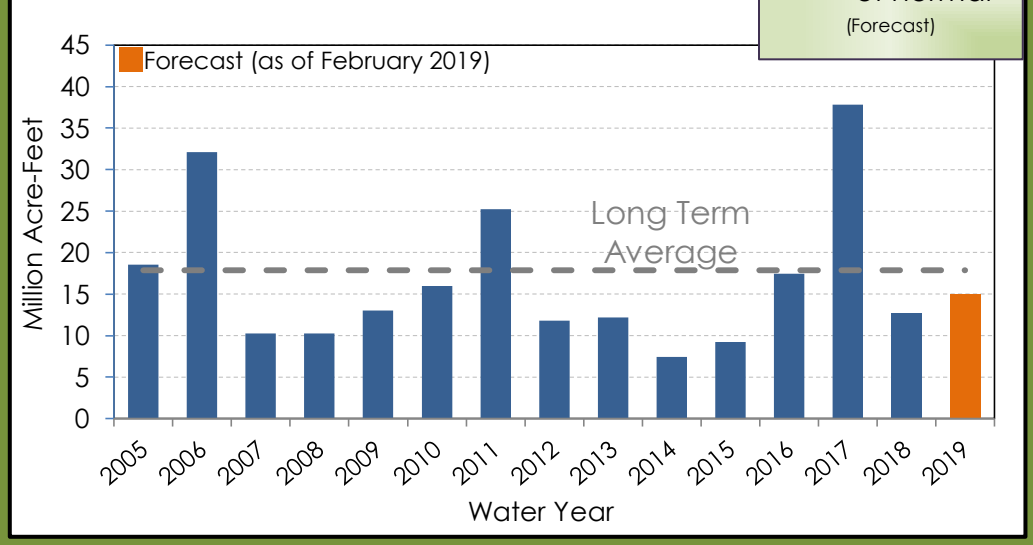
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

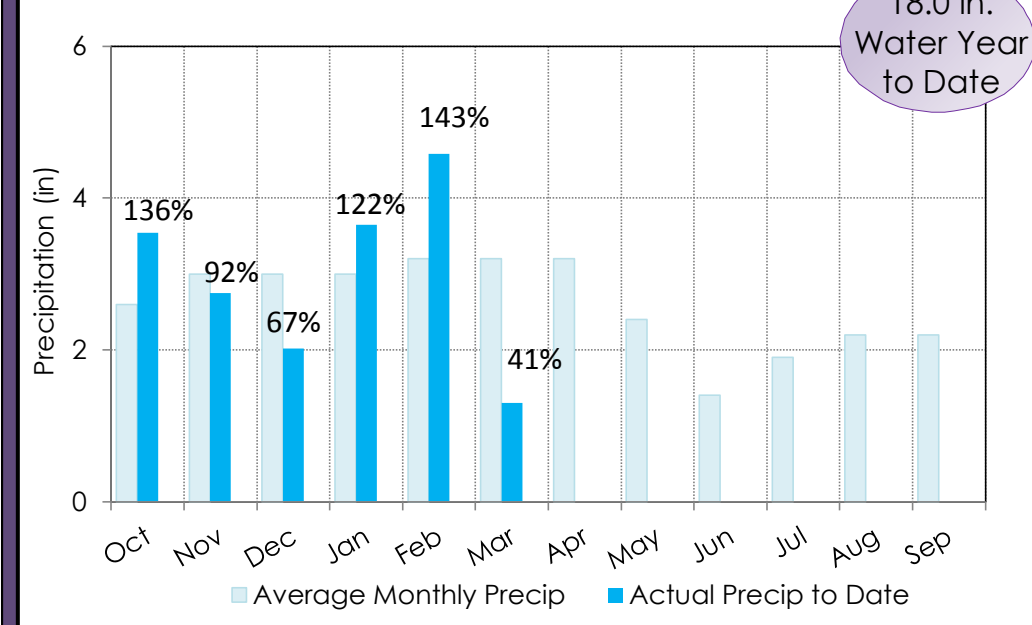
## Sacramento River Runoff



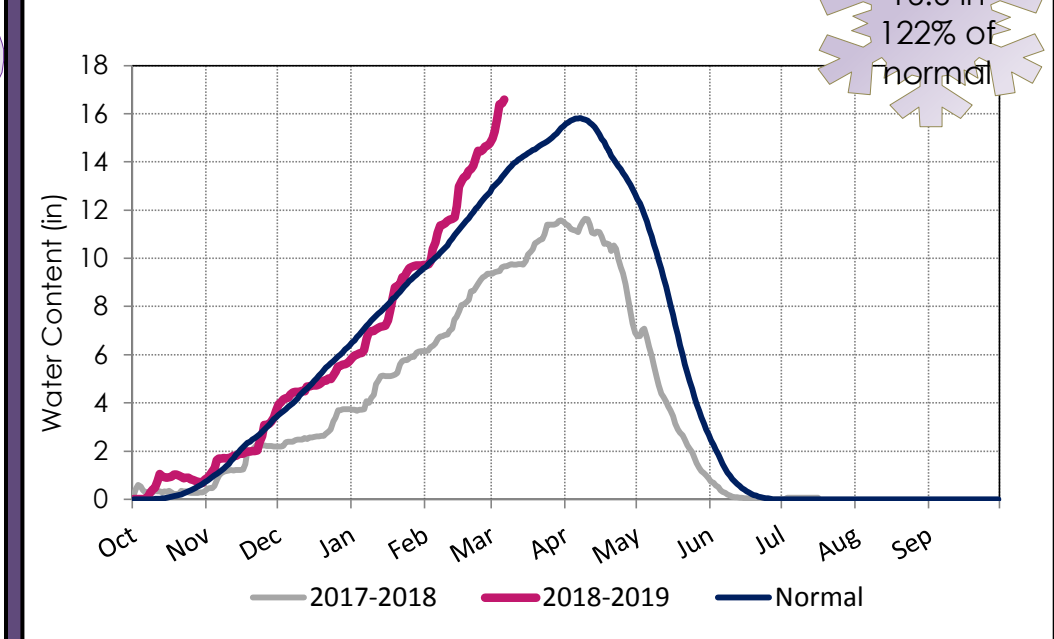
# Colorado River Resources

As of: 03/05/2019

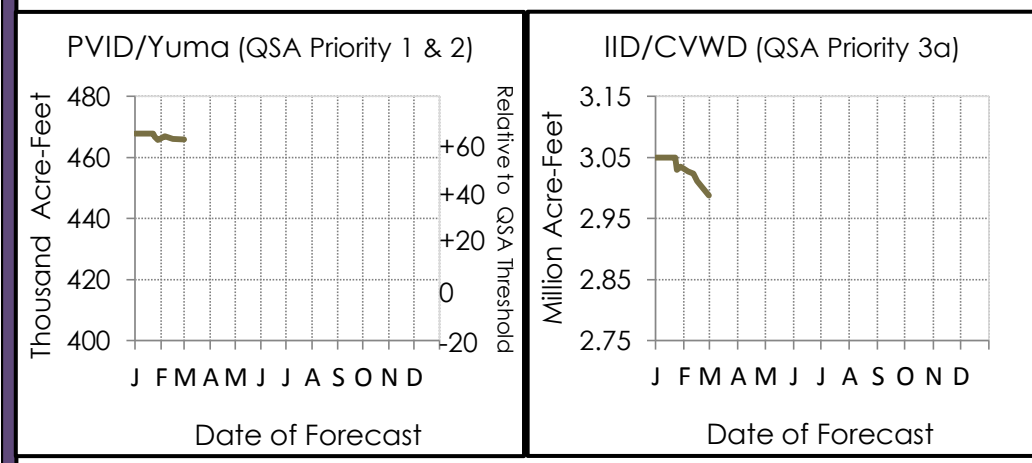
## Upper Colorado Basin Precip



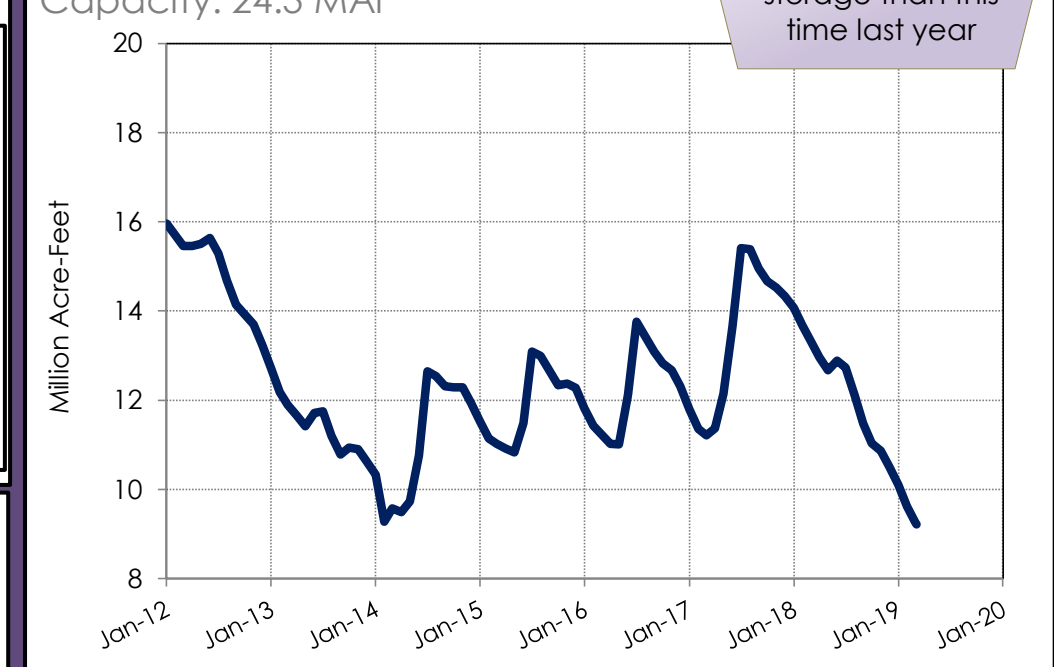
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

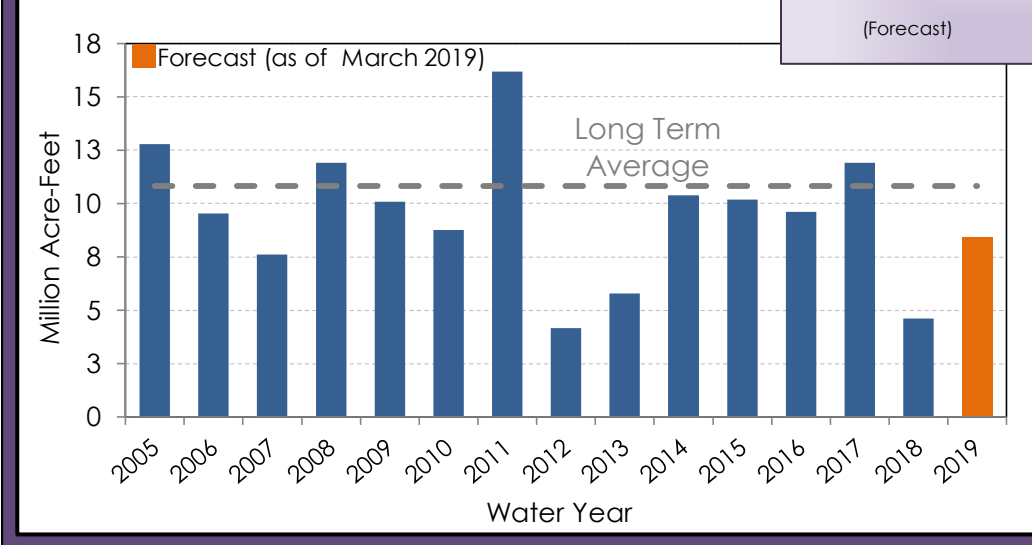


## Lake Mead Shortage/Surplus Outlook

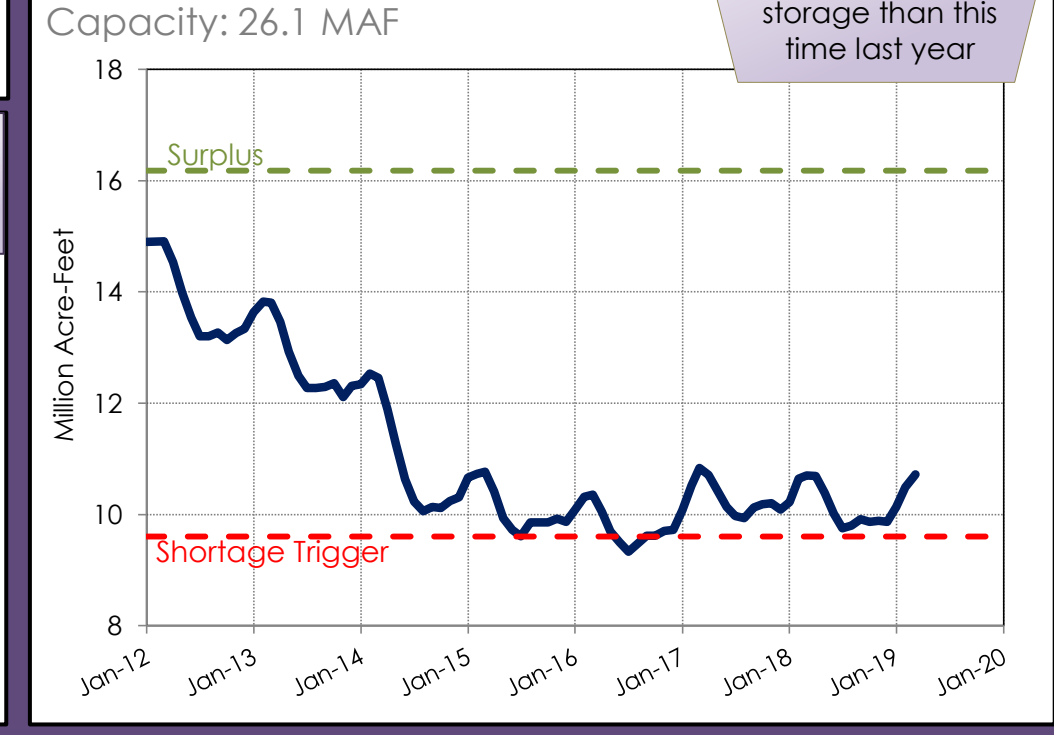
	2019	2020	2021	2022	2023
Shortage	0%	69%	82%	81%	79%
Surplus	0%	0%	0%	1%	4%

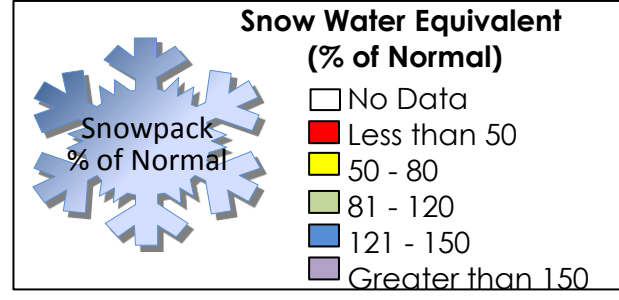
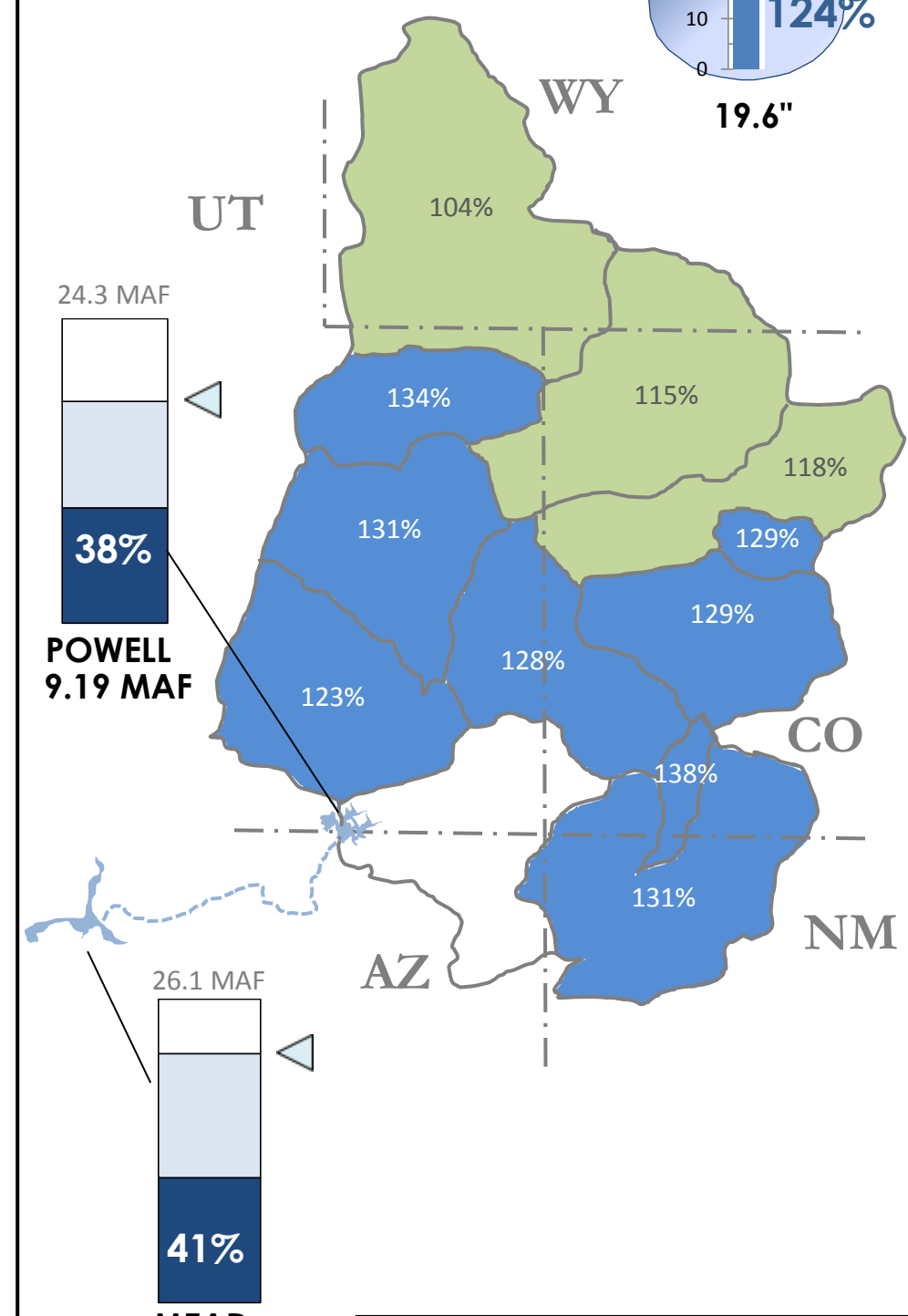
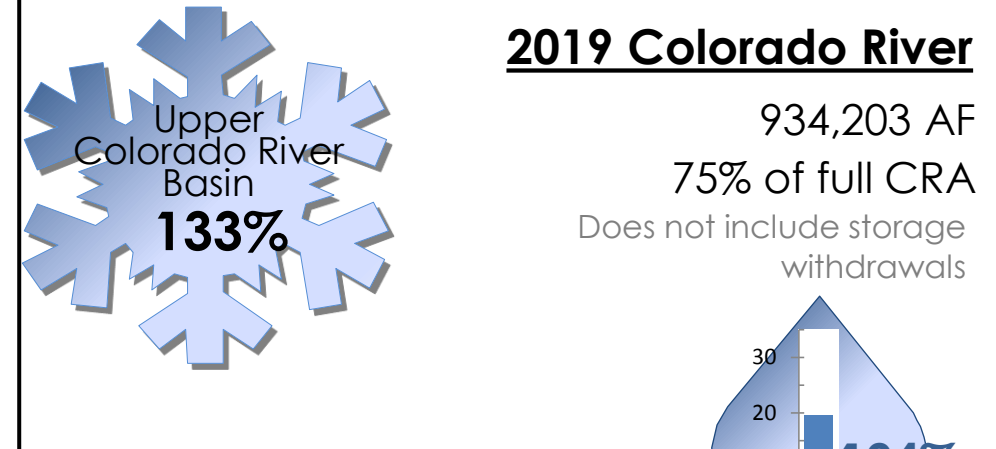
Likelihood based on results from the January 2019 MTOM/CRSS model run.

## Powell Unregulated Inflow



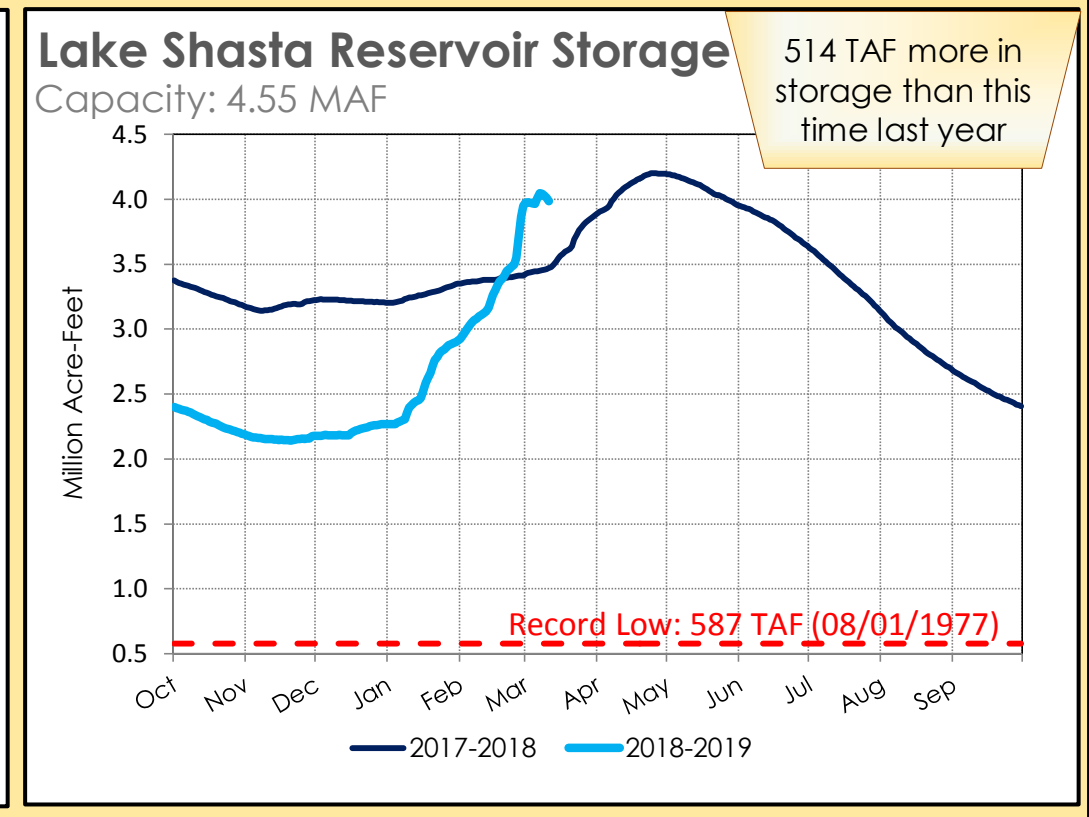
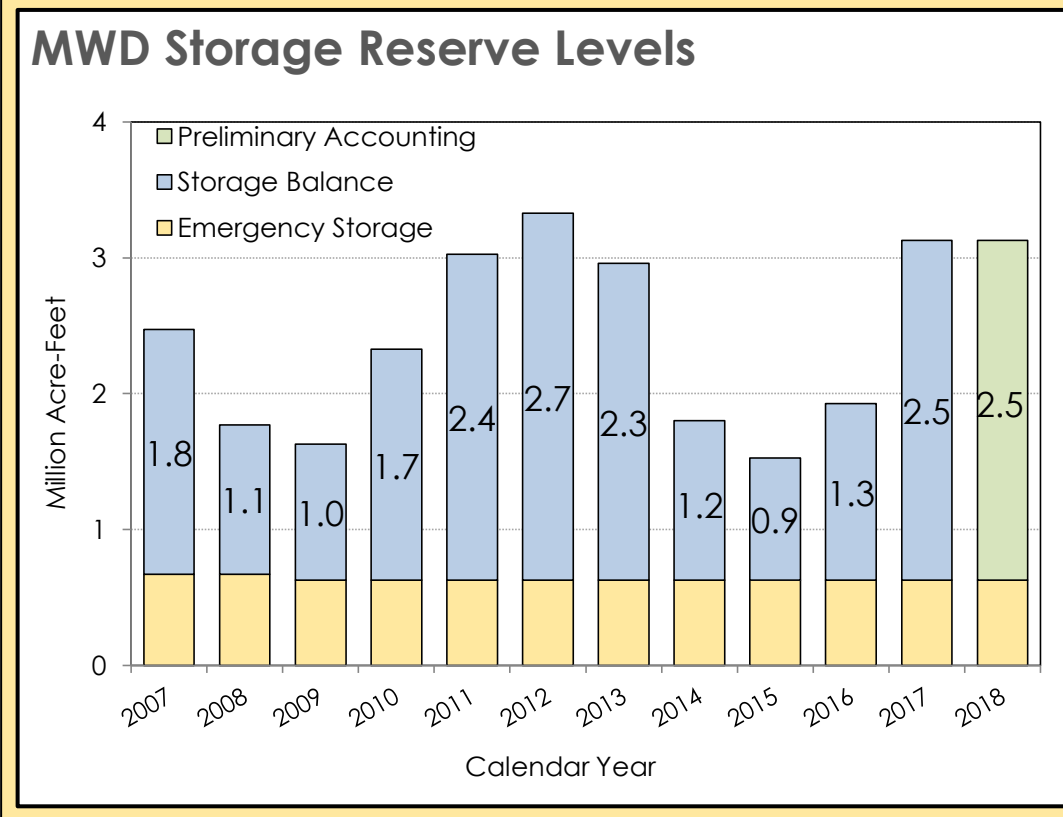
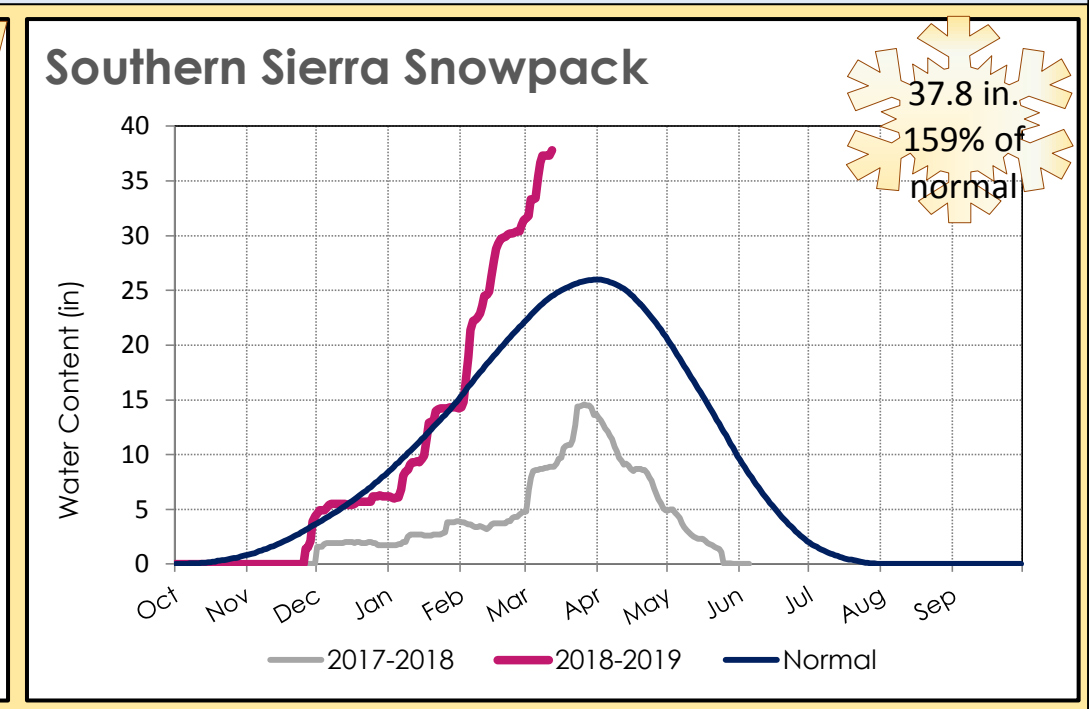
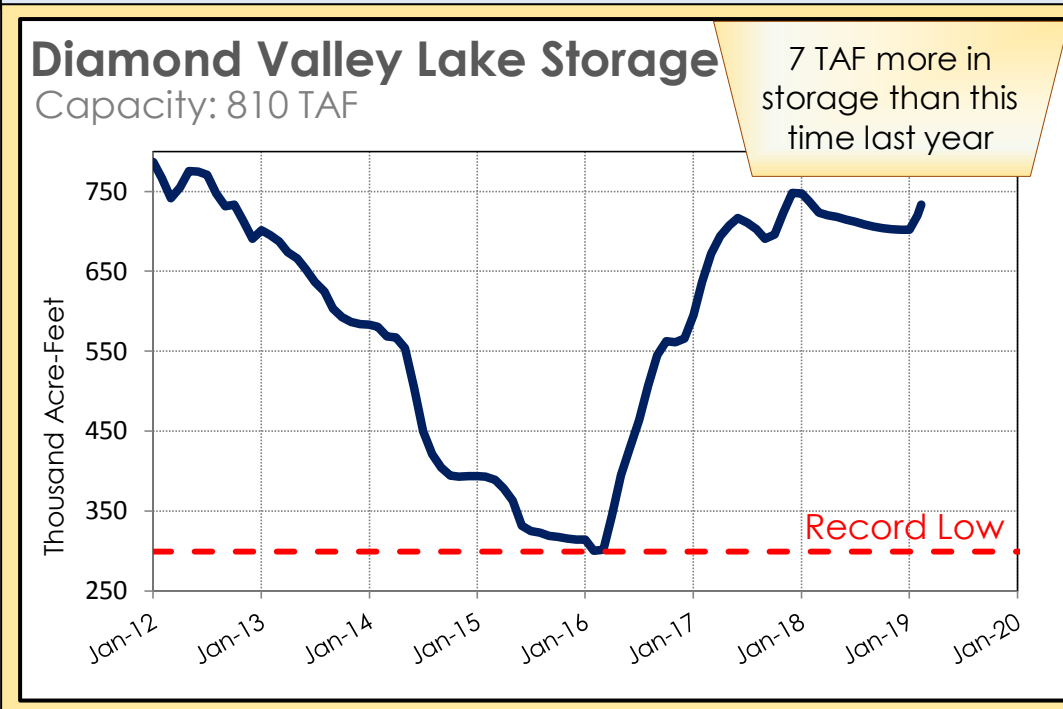
## Lake Mead Storage





### Highlights

- Northern Sierra snowpack is at 156% of normal
- Upper Colorado River Basin snowpack is at 133% of normal
- Southern California precipitation above normal - Los Angeles (158% of normal) and San Diego (138% of normal)



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**2019 SWP Allocation**  
669,025 AF  
35% of Table A

**Statewide** 160%

**Northern Sierra** 156%  
8 STA: 52.9" (138%)

**Southern Sierra** 159%  
5 STA: 39.5" (136%)

**LA:** 17.9" (158%)  
**SD:** 10.8" (138%)

**OROVILLE** 2.59 MAF (73%)  
**SAN LUIS TOT:** 2.03 MAF SWP: 1062 TAF (99%)  
**CASTAIC** 264 TAF (81%)  
**DVL** 733 TAF (91%)

3.5 MAF Capacity  
26.1 MAF Average EOM  
24.3 MAF Current Storage (38%)

WY Avg  
% Normal WY to Date  
Rainfall to Date (in)

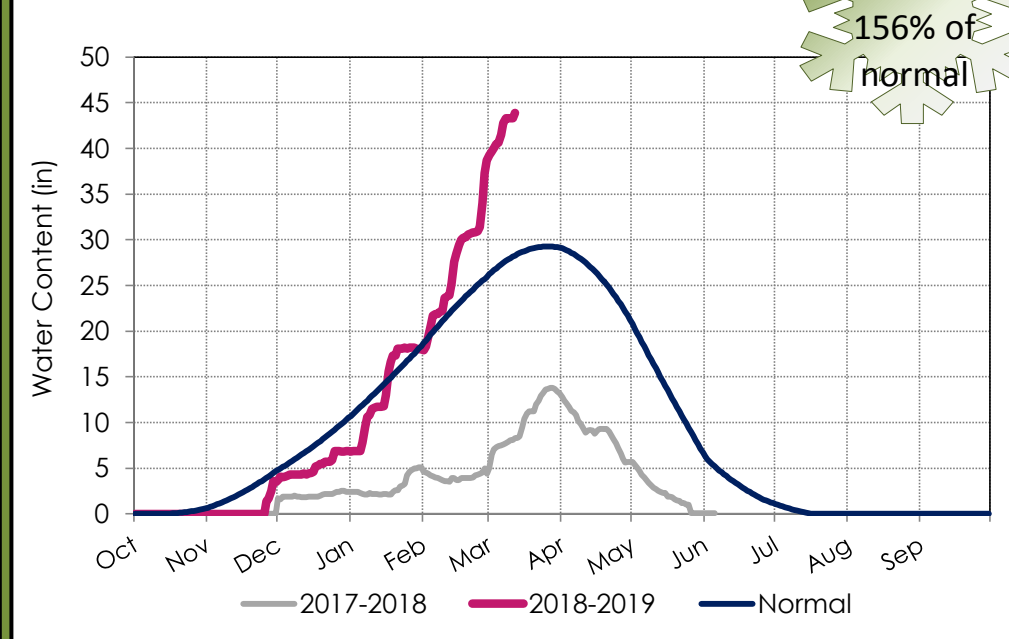
Capacity  
Average EOM  
Current Storage (% Capacity)

Flip Over for CRA Data | Turn page for more SWP Data

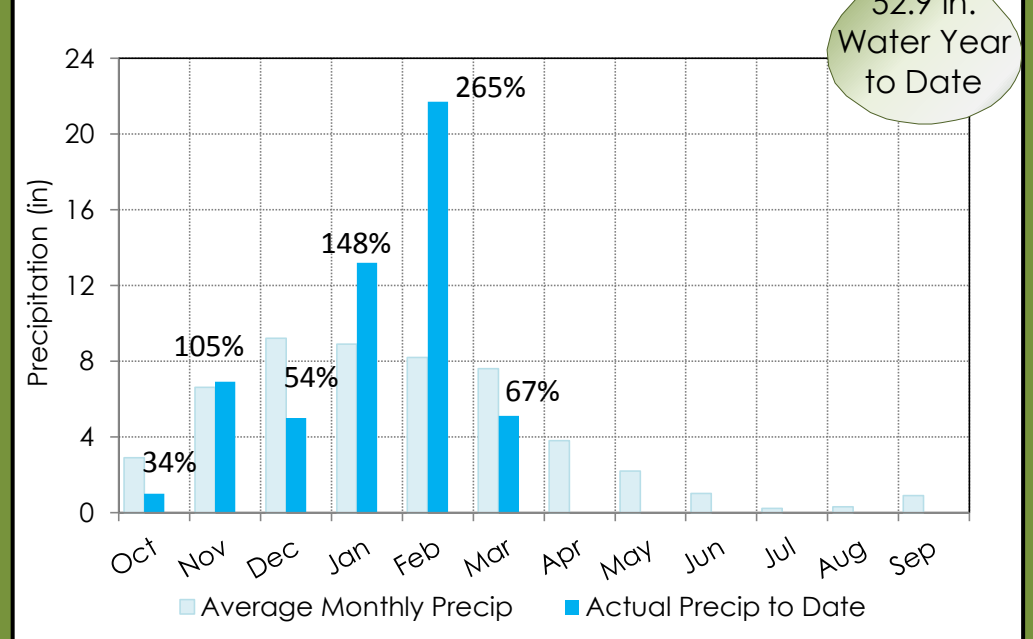
As of: 03/11/2019

# State Water Project Resources

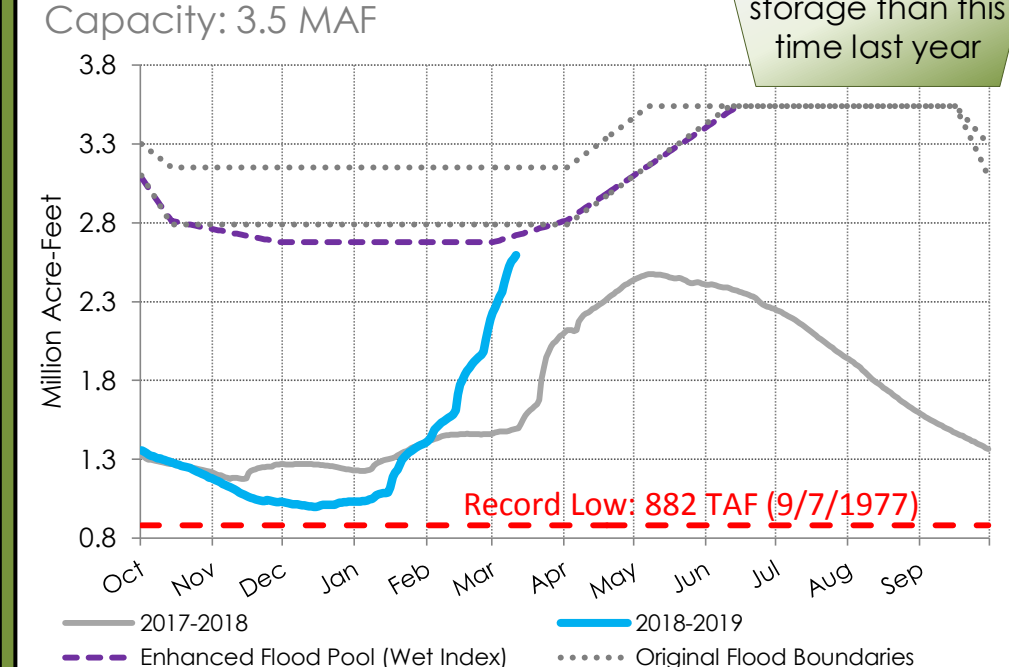
## Northern Sierra Snowpack



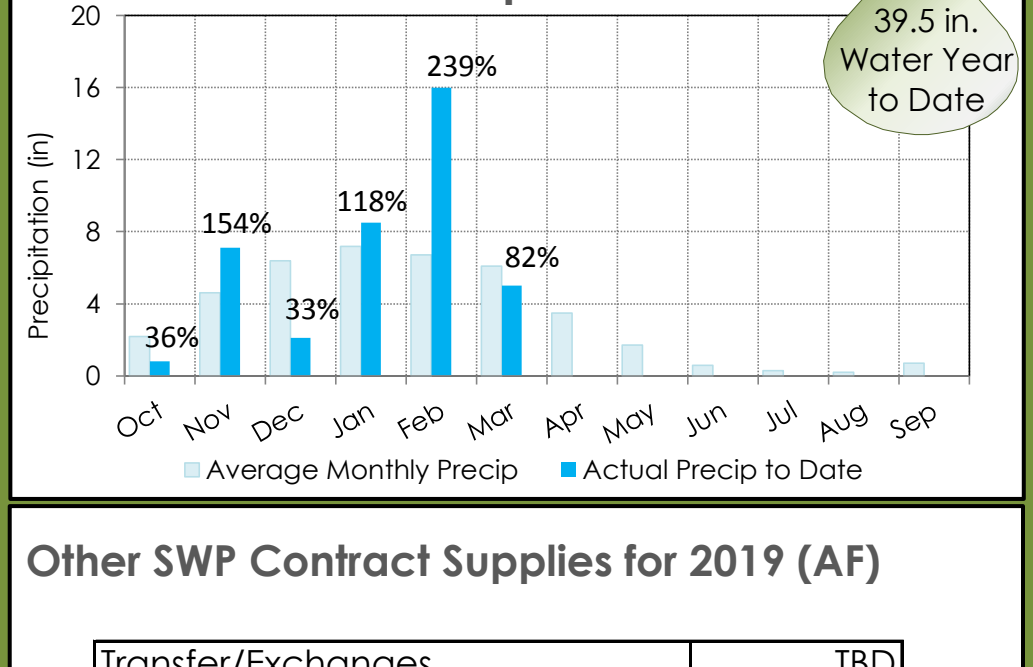
## 8 Station Index Precip



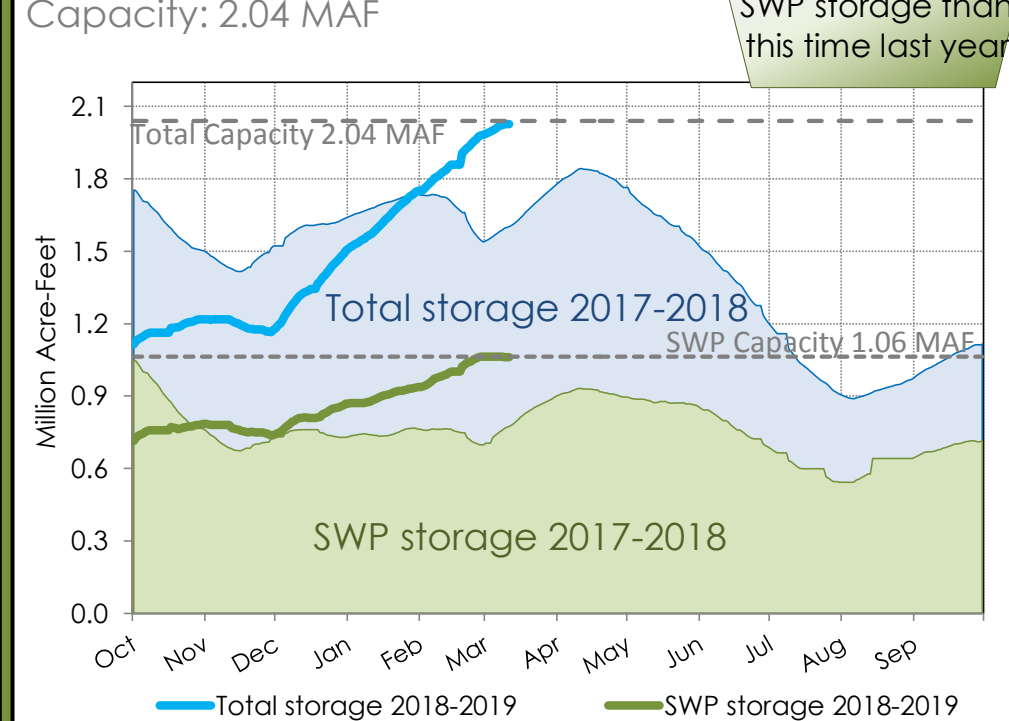
## Oroville Reservoir Storage



## 5 Station Index Precip



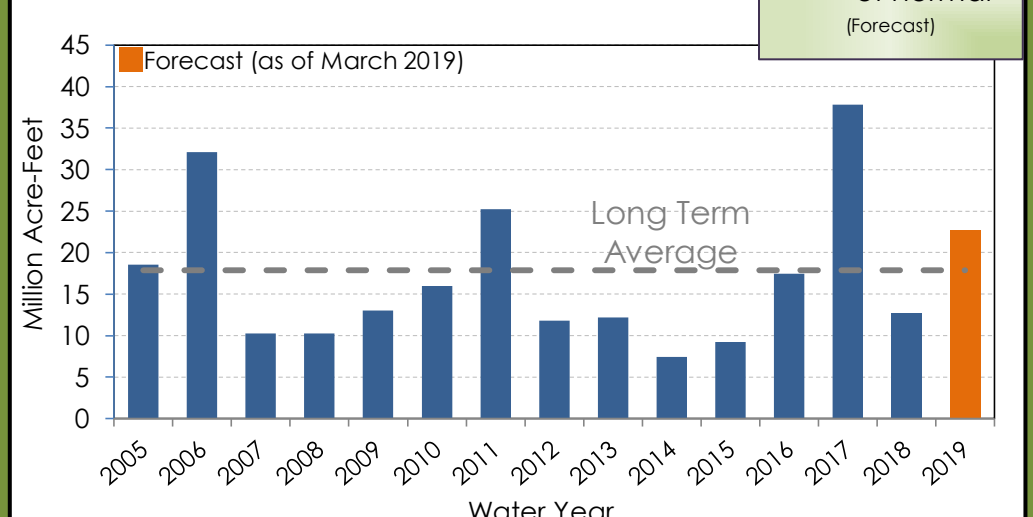
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

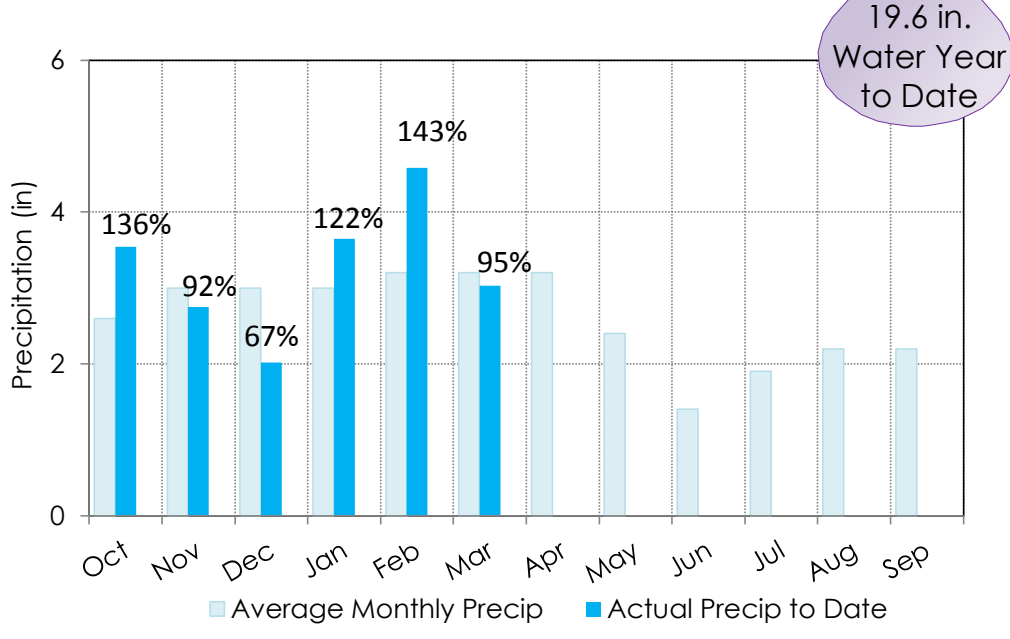
## Sacramento River Runoff



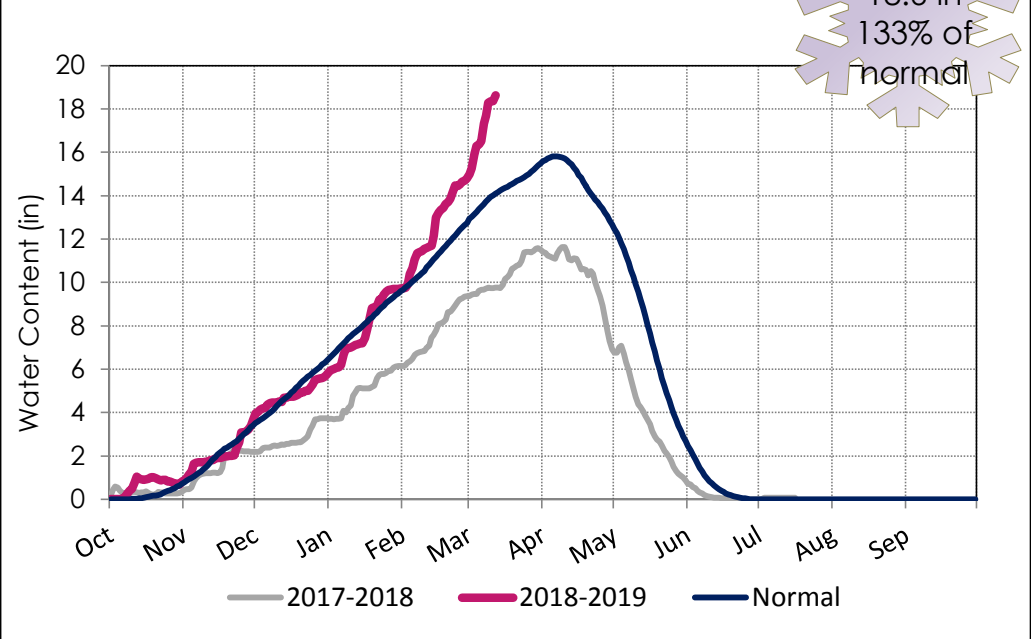
# Colorado River Resources

As of: 03/11/2019

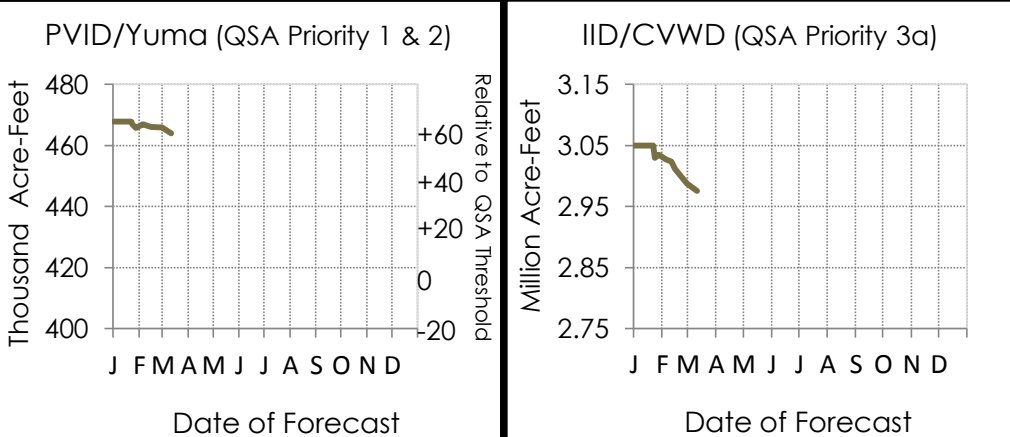
## Upper Colorado Basin Precip



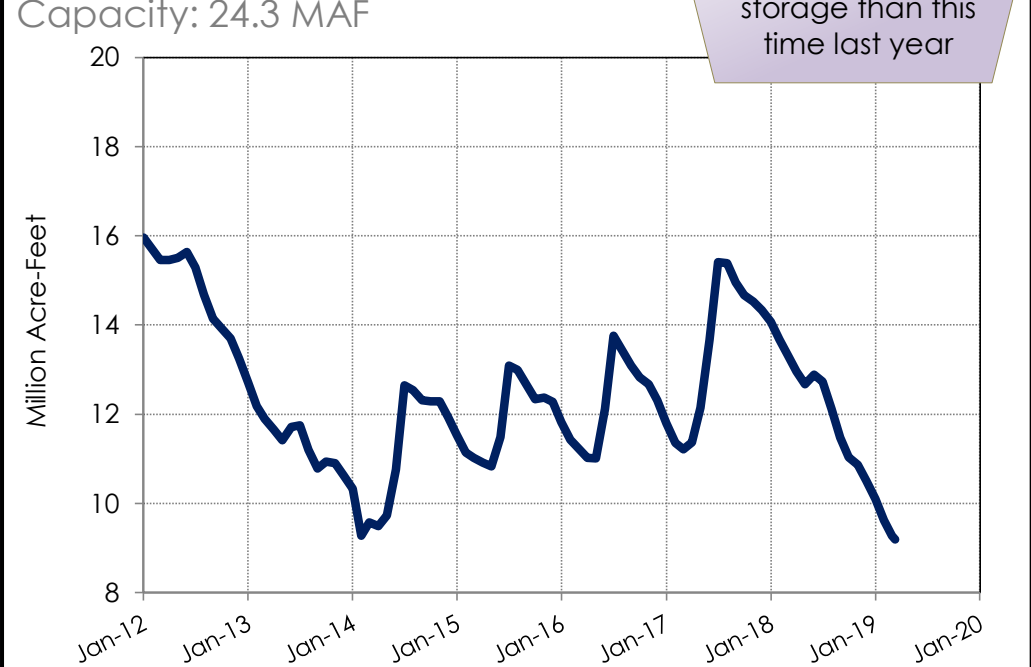
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

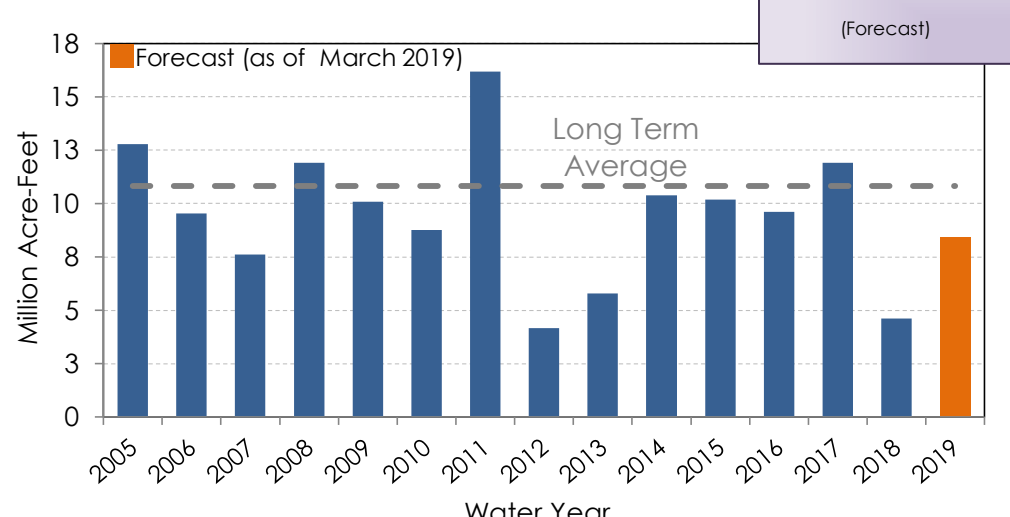


## Lake Mead Shortage/Surplus Outlook

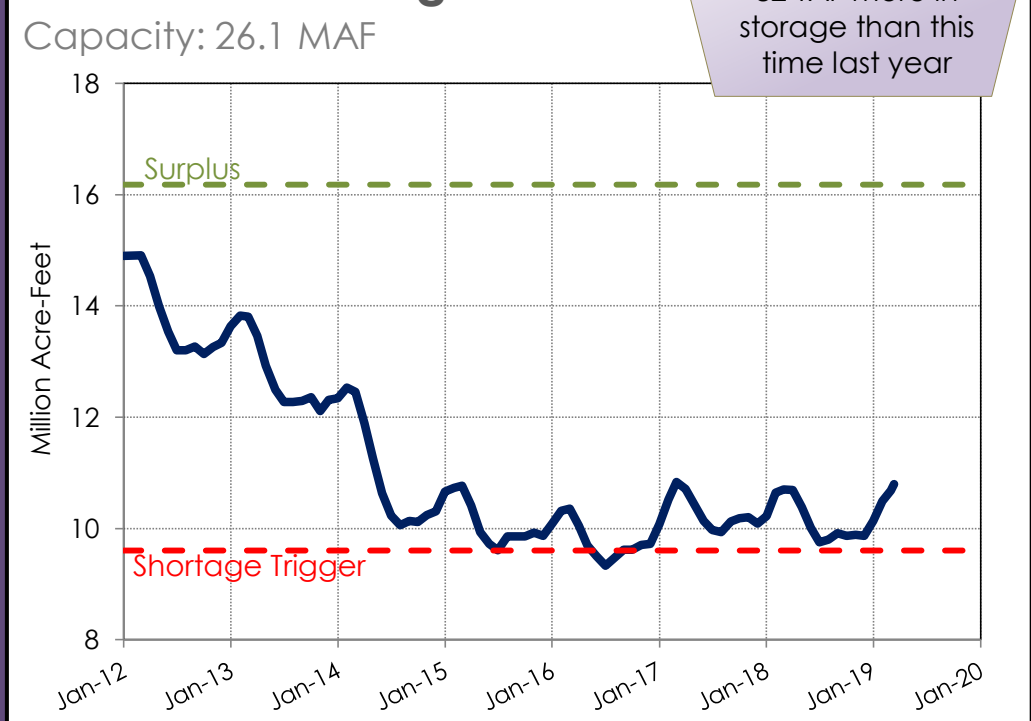
	2019	2020	2021	2022	2023
Shortage	0%	69%	82%	81%	79%
Surplus	0%	0%	0%	1%	4%

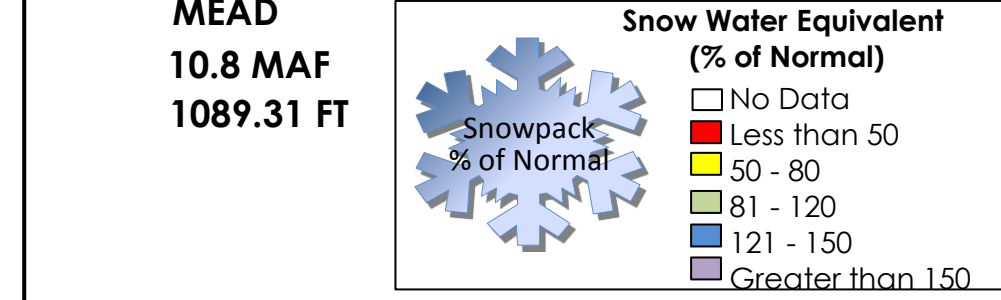
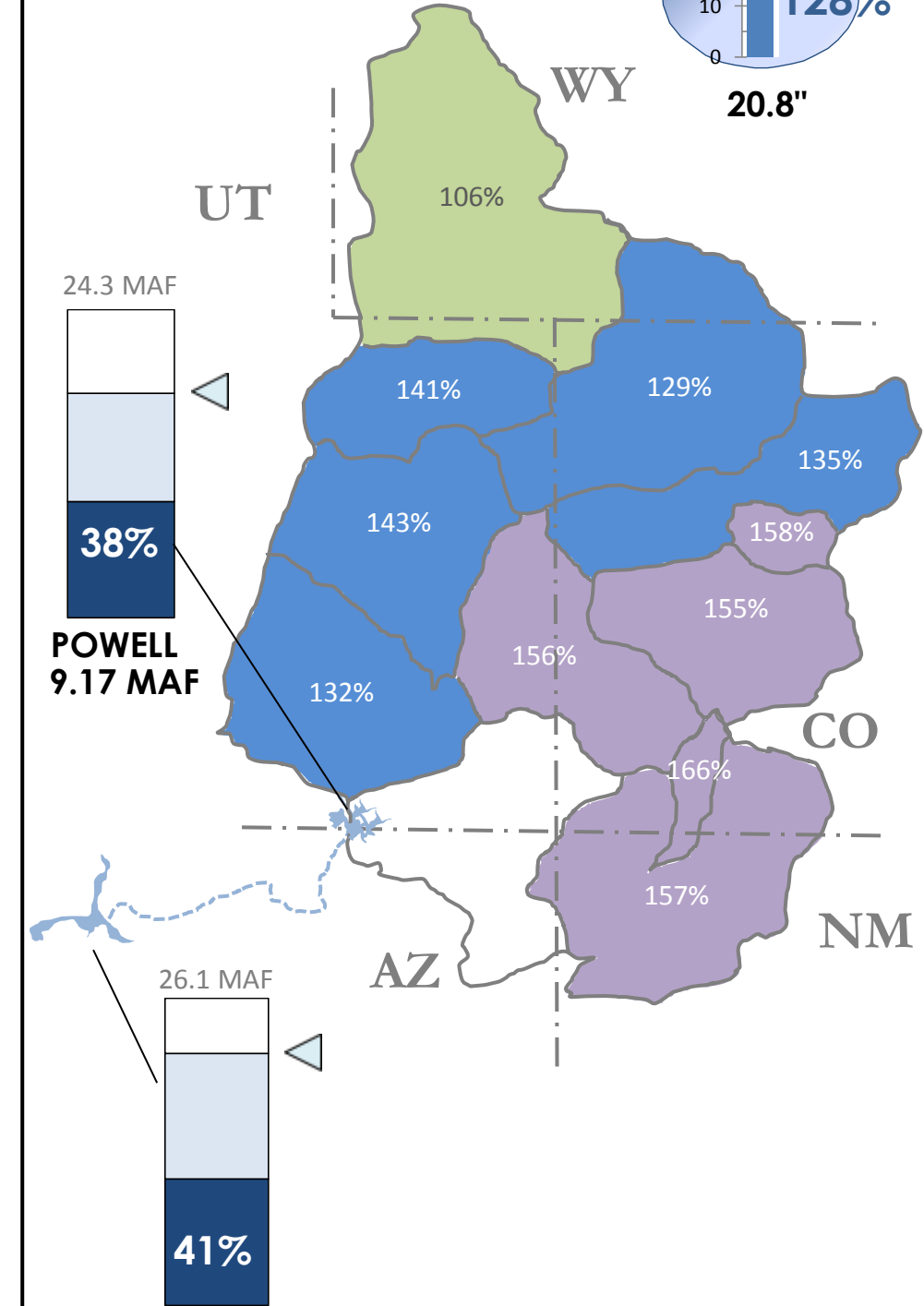
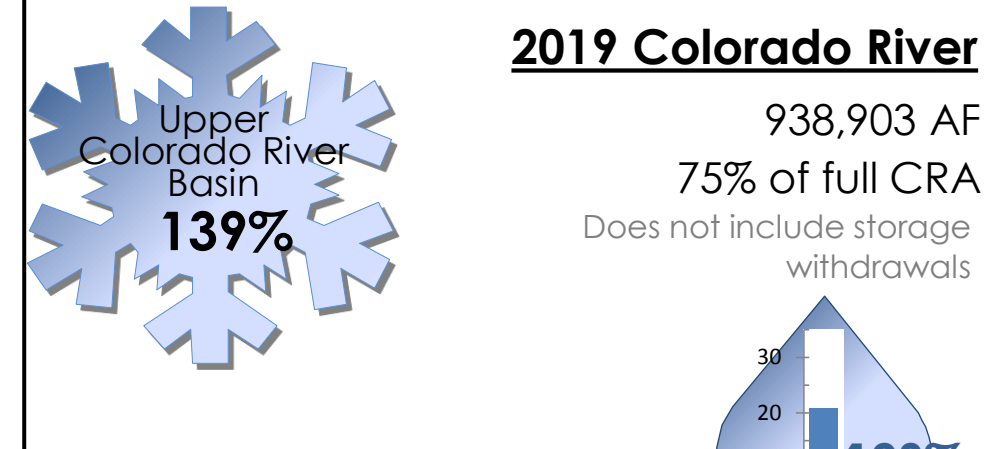
Likelihood based on results from the January 2019 MTOM/CRSS model run.

## Powell Unregulated Inflow



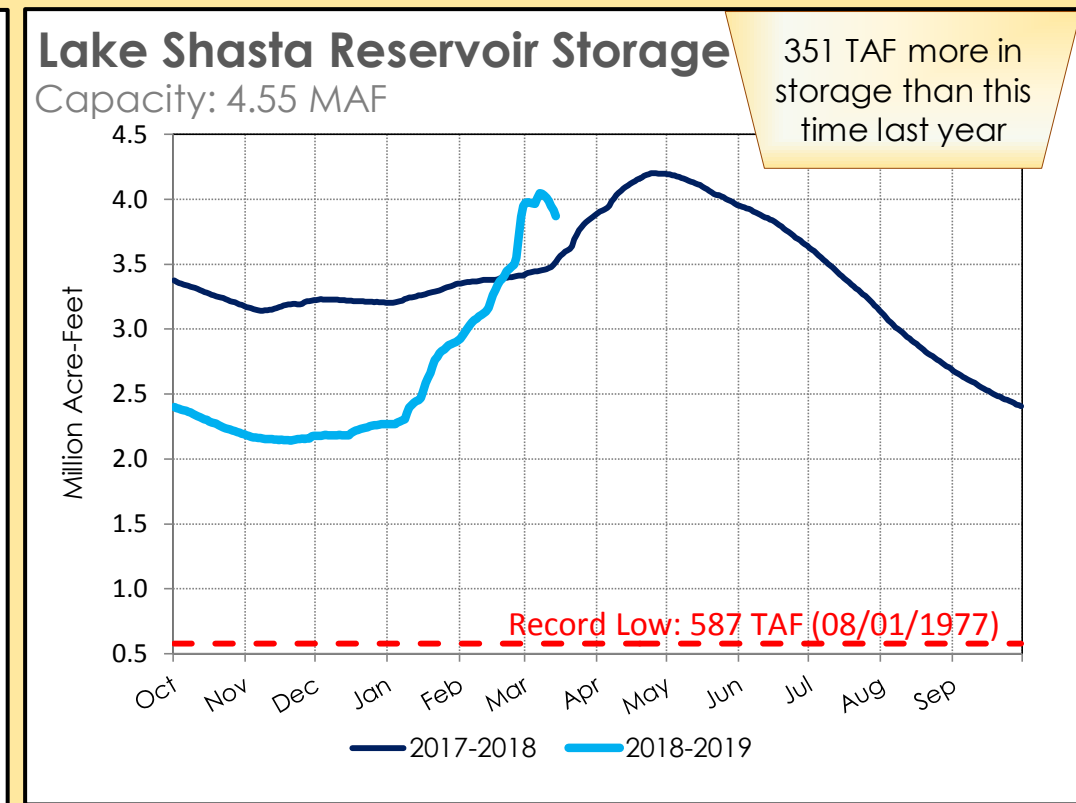
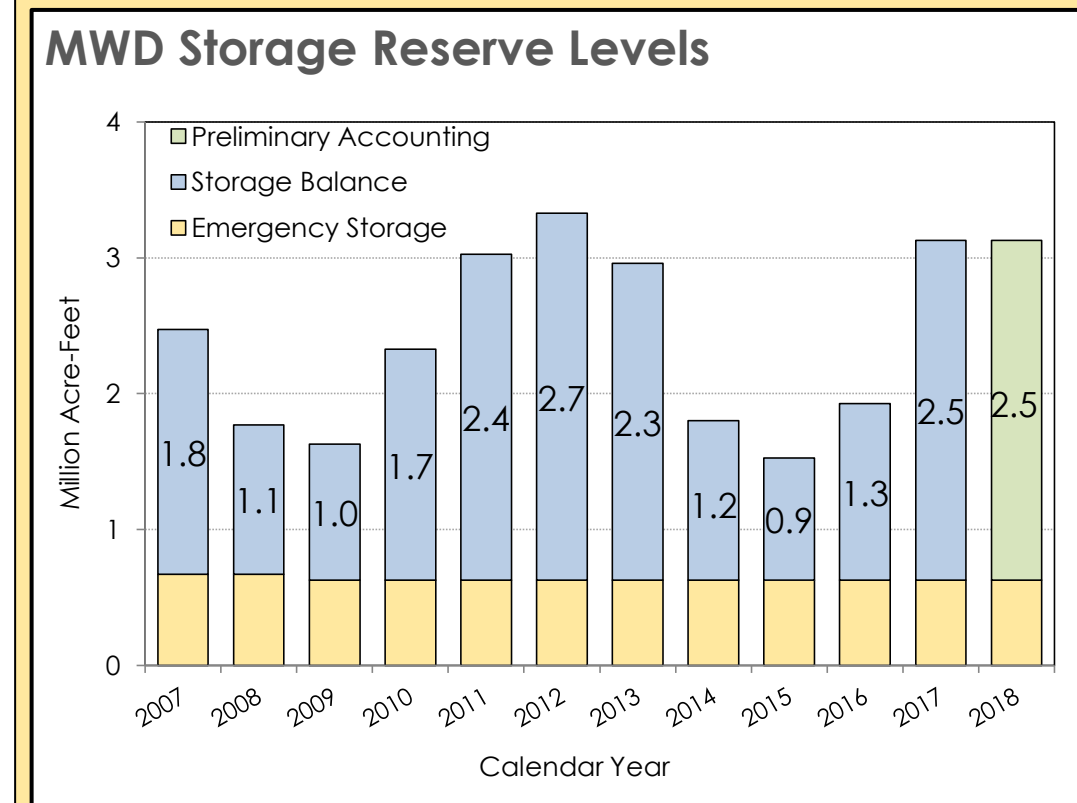
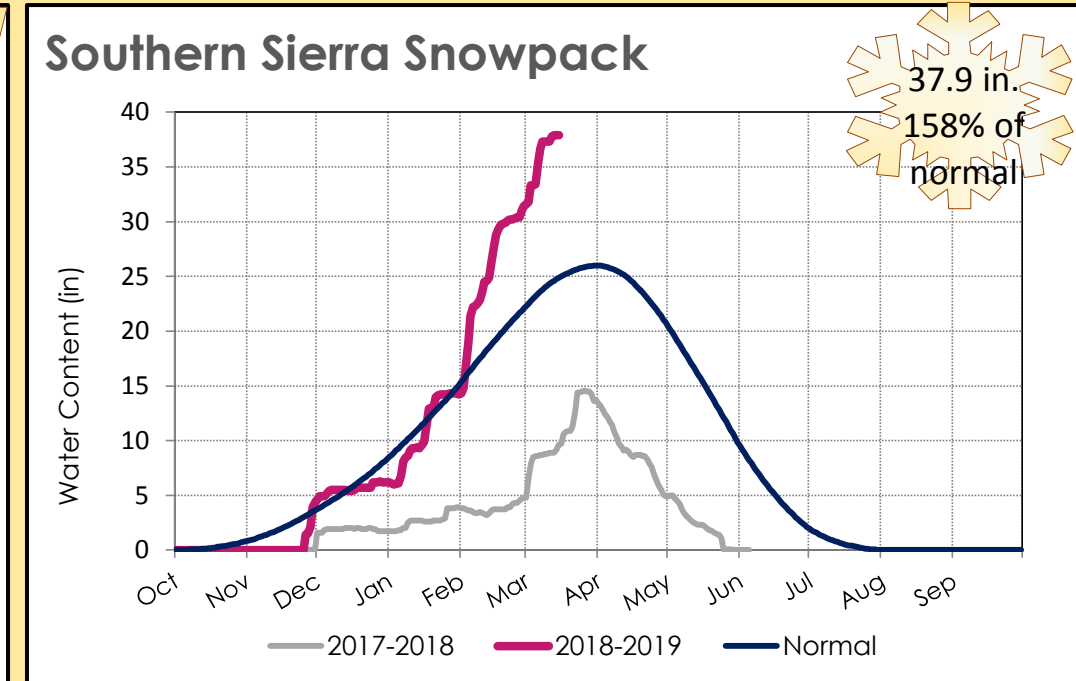
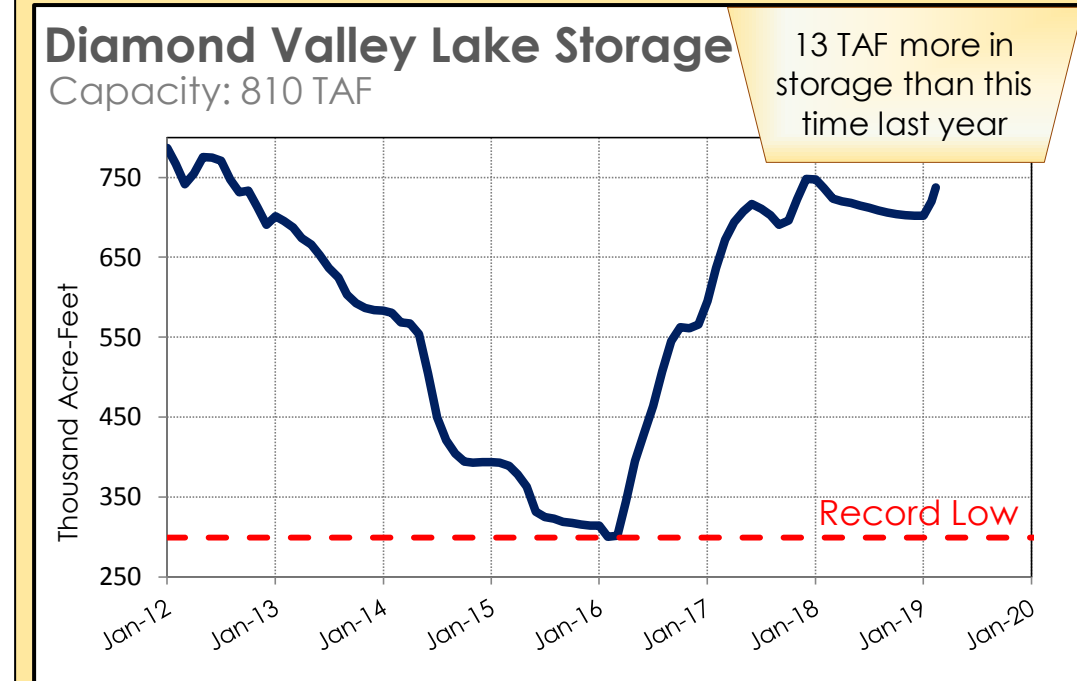
## Lake Mead Storage





### Highlights

- Northern Sierra snowpack is at 154% of normal
- Upper Colorado River Basin snowpack is at 139% of normal
- Southern California precipitation above normal - Los Angeles (154% of normal) and San Diego (142% of normal)



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<http://www.mwdh2o.com/WSCR>

This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters

**2019 SWP Allocation**  
669,025 AF  
35% of Table A

**Statewide 159%**

**OROVILLE**  
2.64 MAF  
75%  
8 STA: 52.9"  
136% WY Avg

**SAN LUIS**  
TOT: 2.03 MAF  
SWP: 1062 TAF  
99%

**LA: 17.9"**  
154% WY Avg

**CASTAIC**  
265 TAF  
82%

**SD: 11.5"**  
142% WY Avg

**DVL**  
737 TAF  
91%

**5 STA: 39.6"**  
134% WY Avg

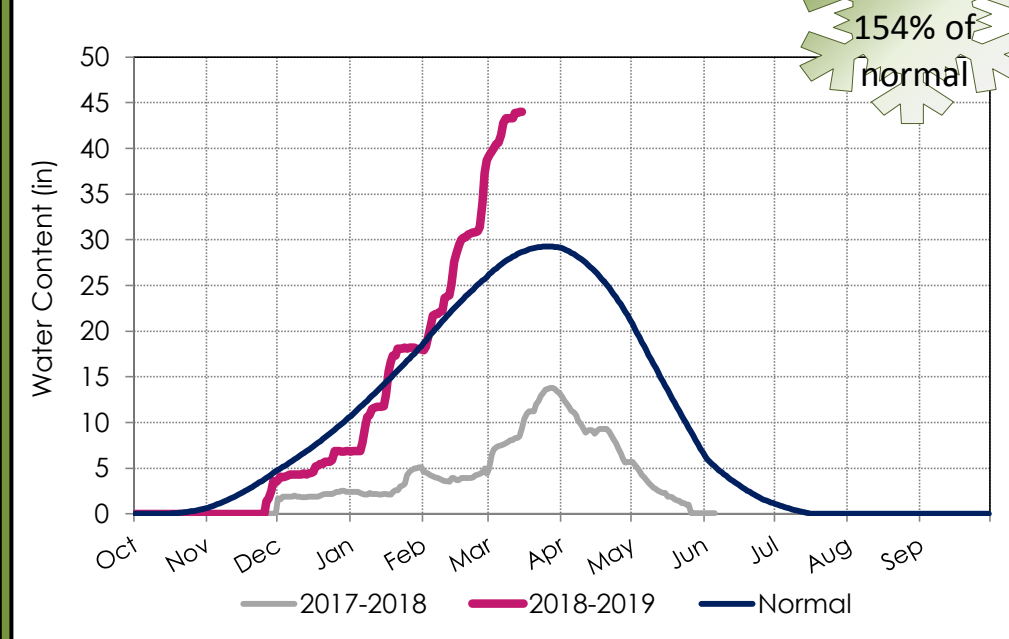
**810 TAF**

Legend:  
 WY Avg  
 % Normal WY to Date  
 Capacity  
 Average EOM  
 Current Storage (% Capacity)

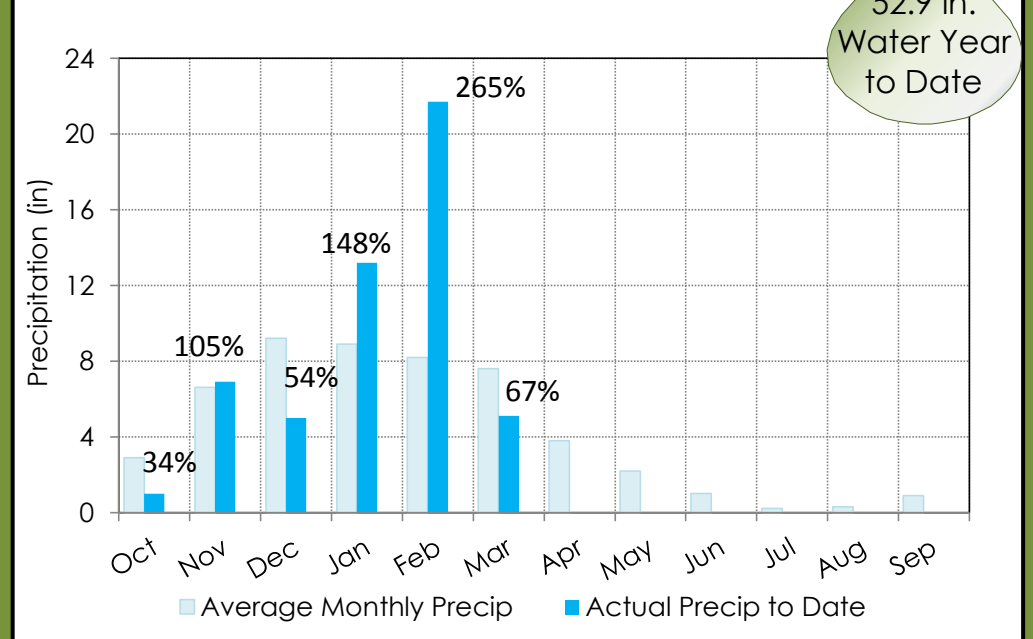
As of: 03/14/2019

# State Water Project Resources

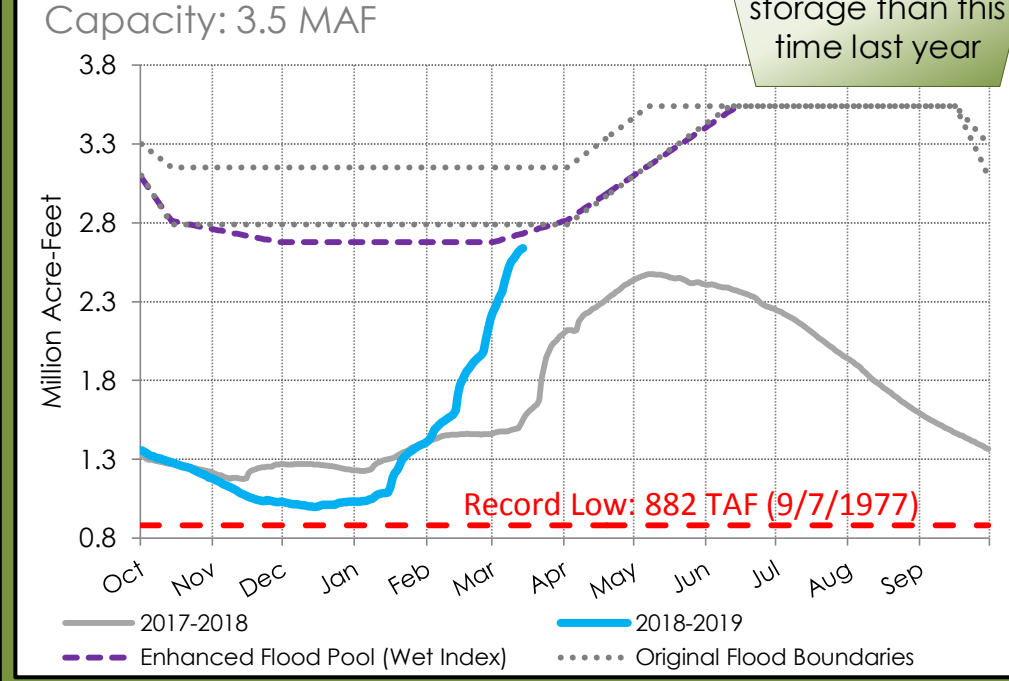
## Northern Sierra Snowpack



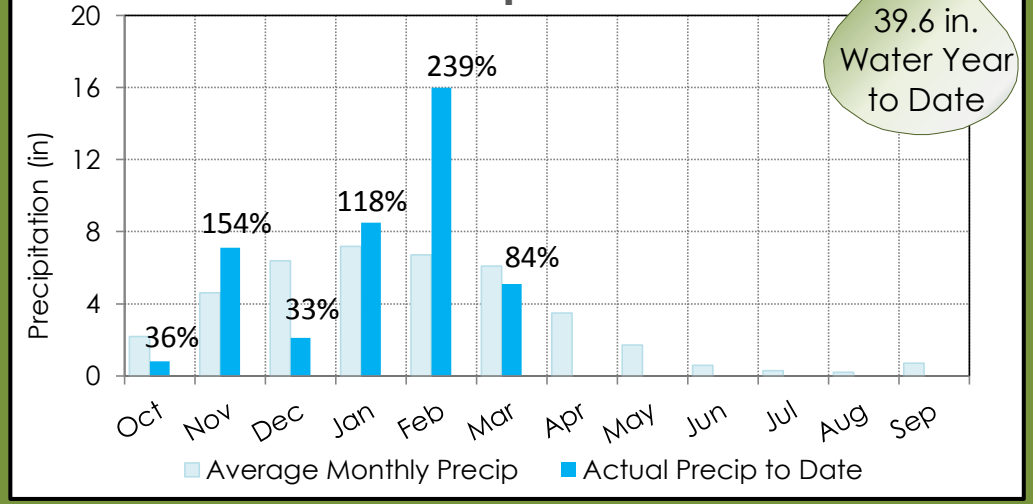
## 8 Station Index Precip



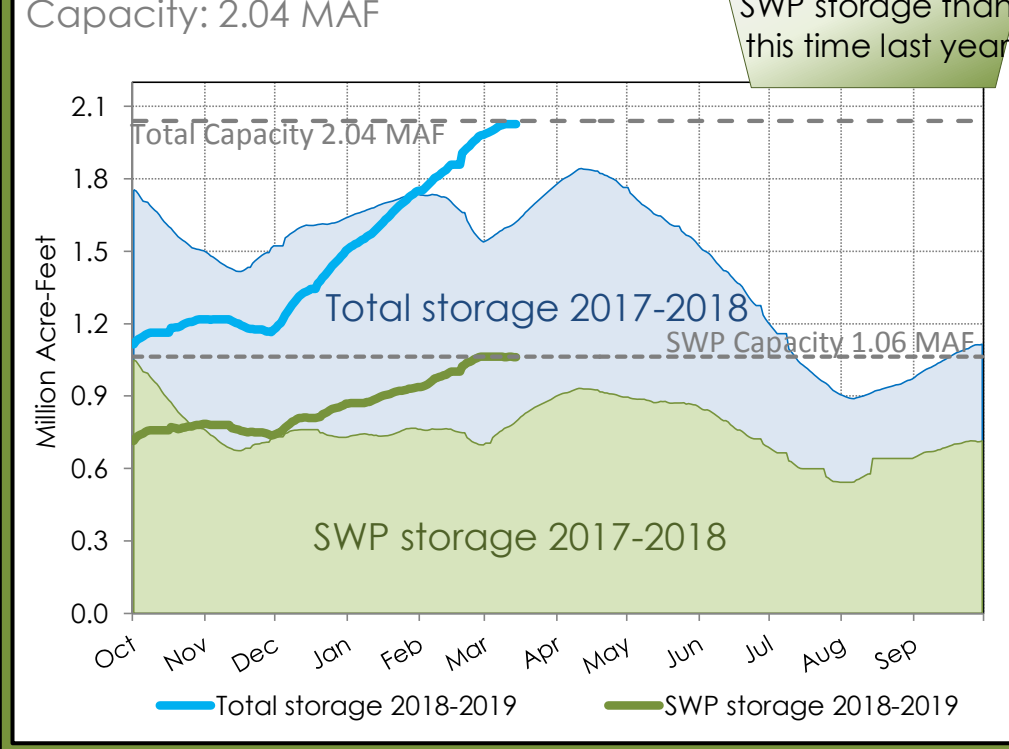
## Oroville Reservoir Storage



## 5 Station Index Precip



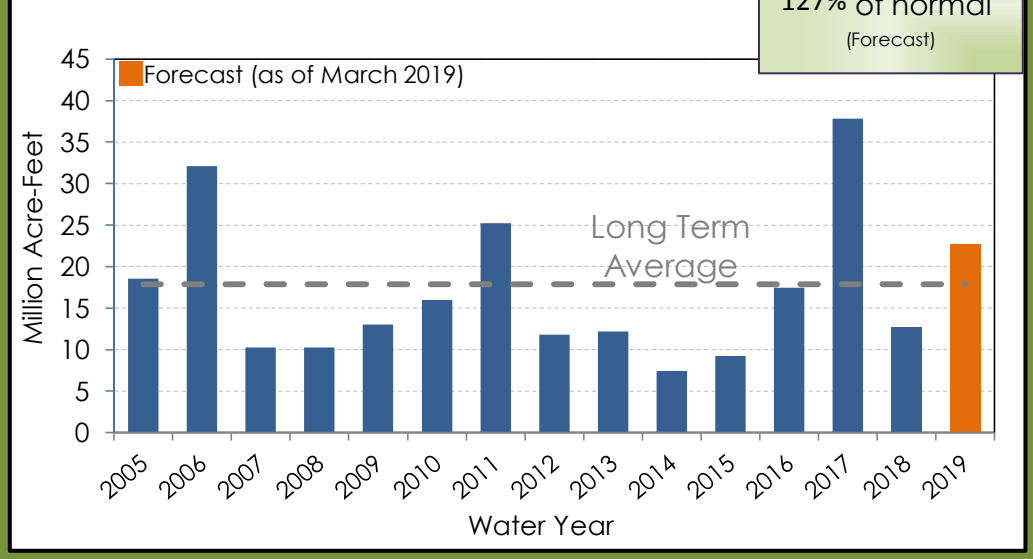
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	50,000
Carryover	147,000

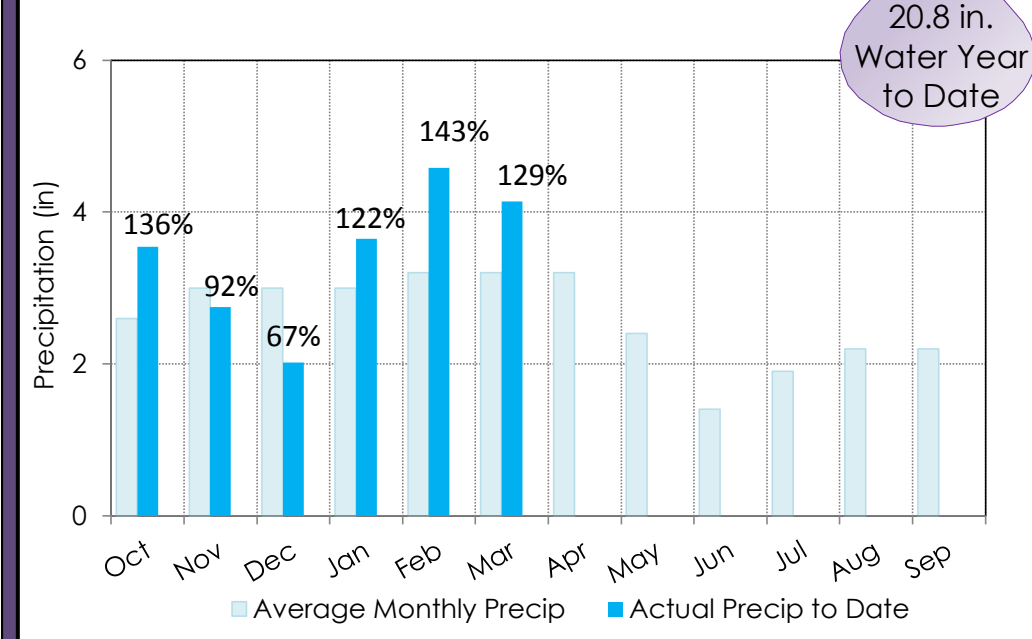
## Sacramento River Runoff



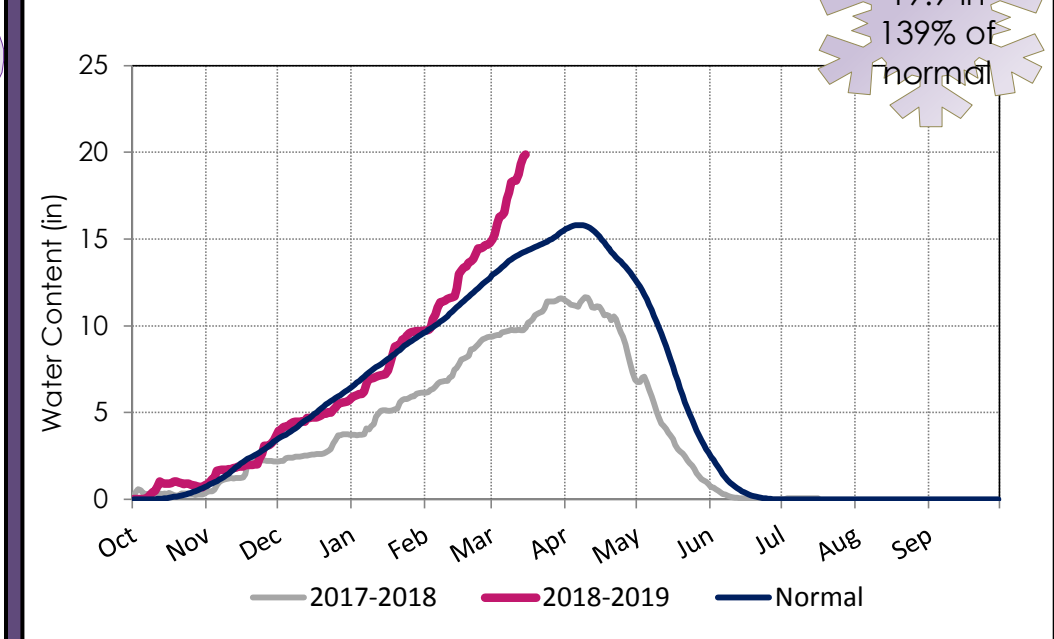
# Colorado River Resources

As of: 03/14/2019

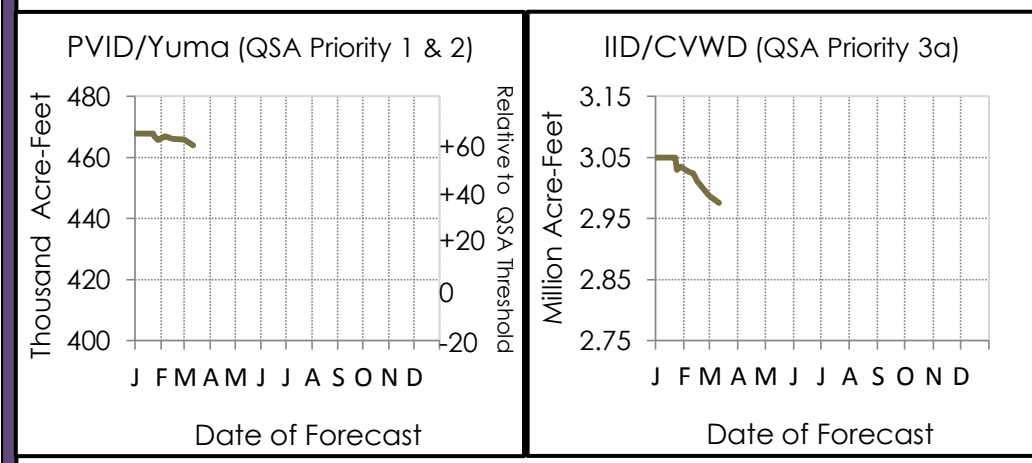
## Upper Colorado Basin Precip



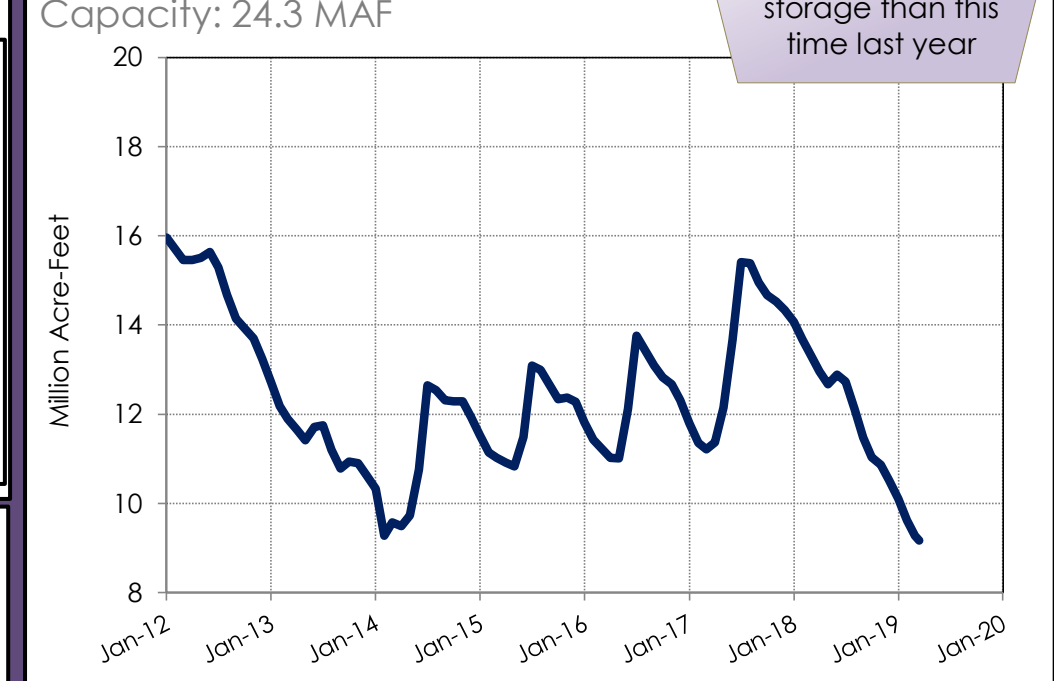
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



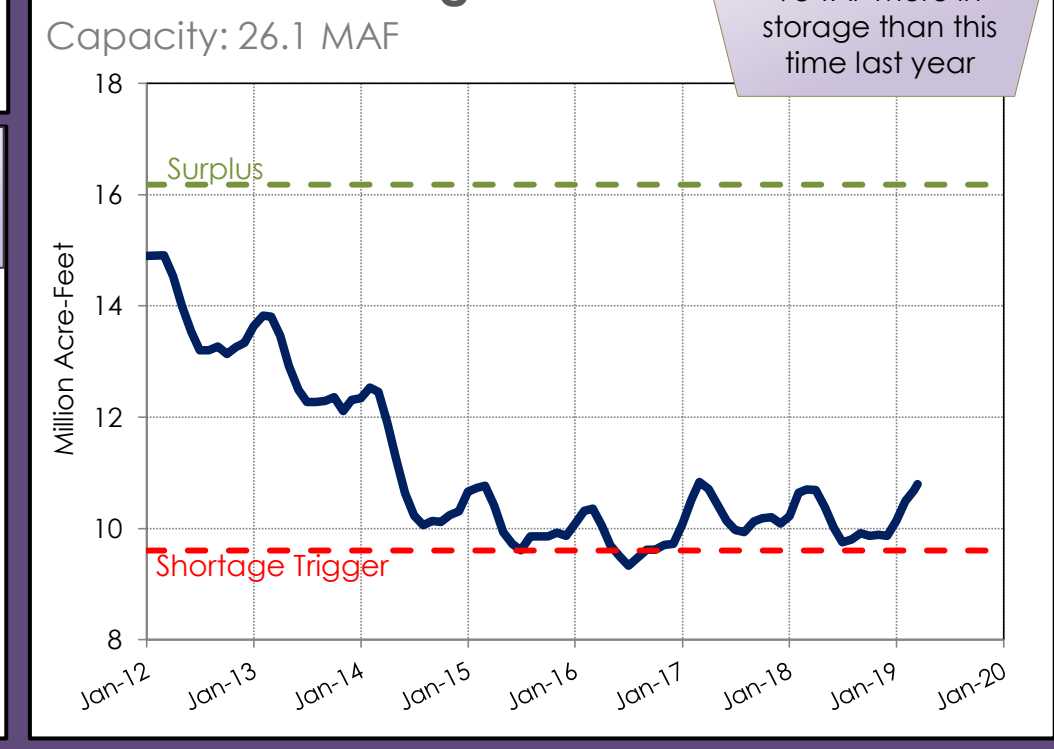
## Lake Powell Storage



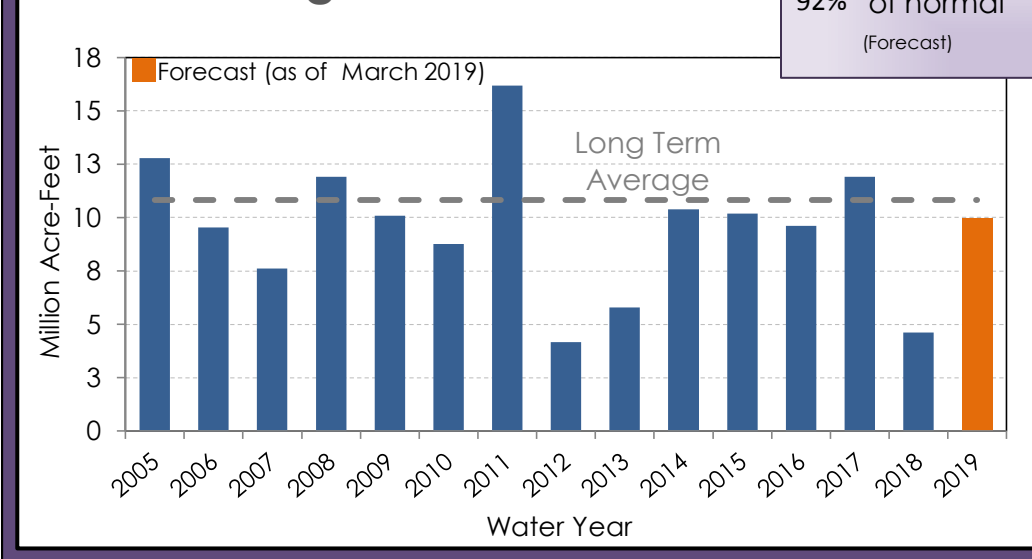
## Lake Mead Shortage/Surplus Outlook

This table will be updated once Reclamation publishes the next 24-month study in April 2019.

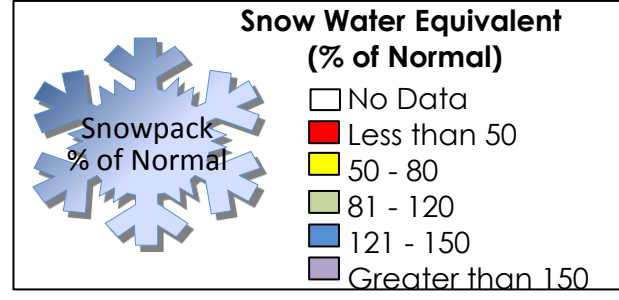
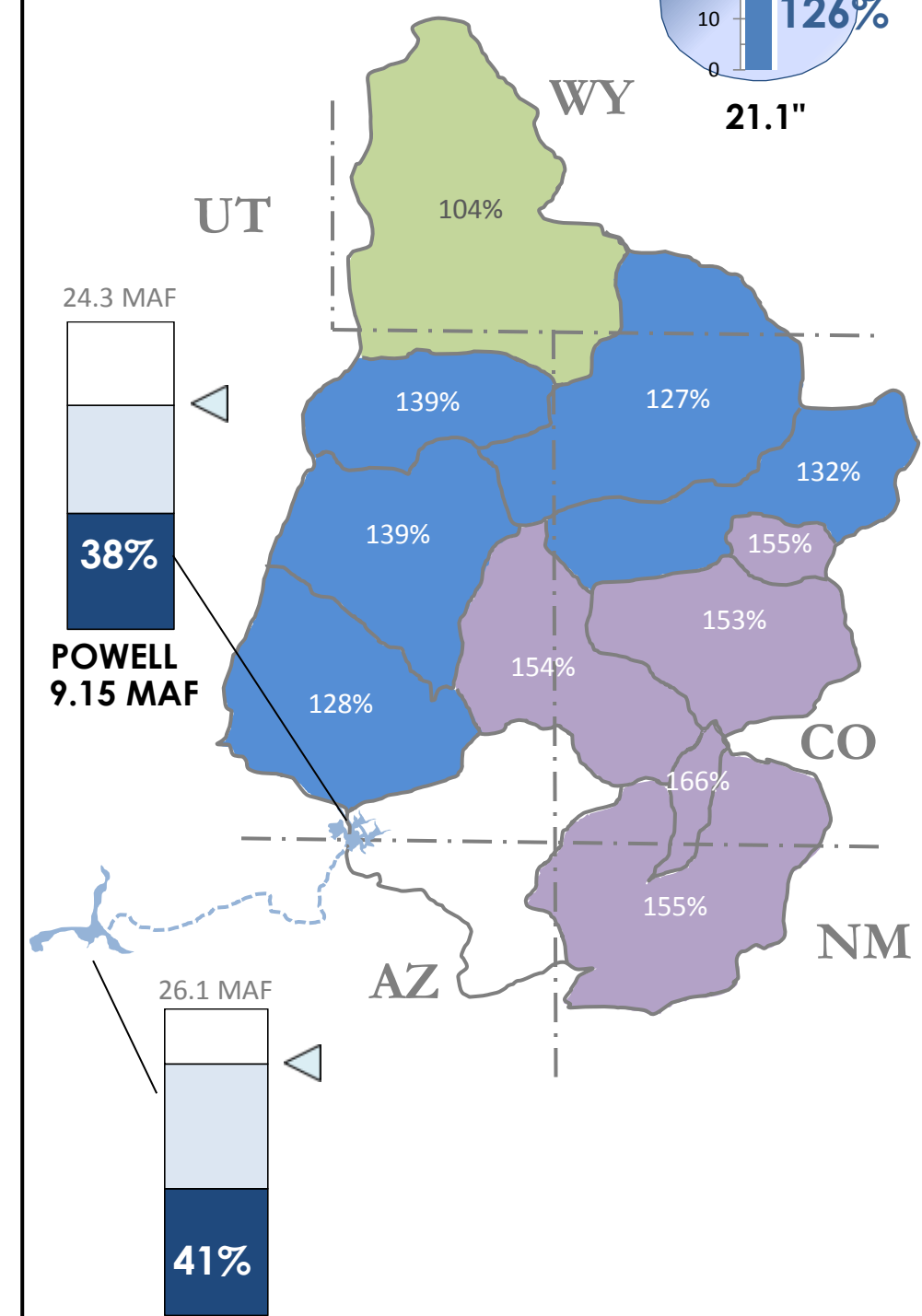
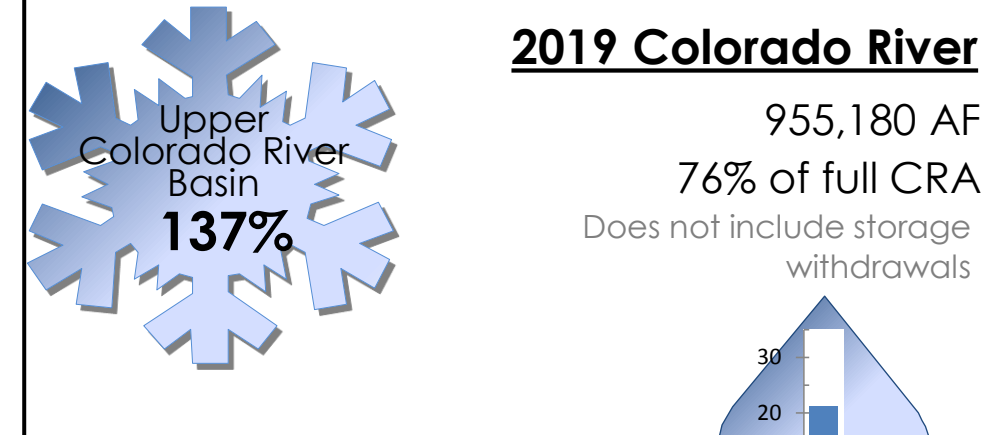
## Lake Mead Storage



## Powell Unregulated Inflow

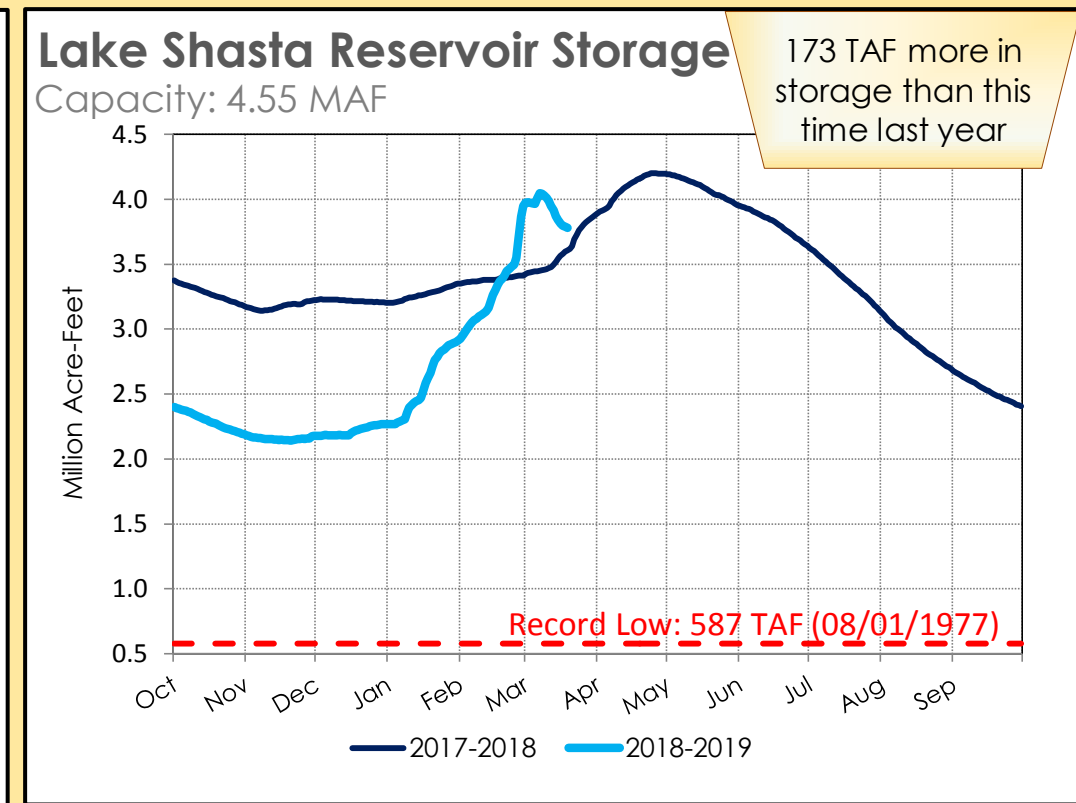
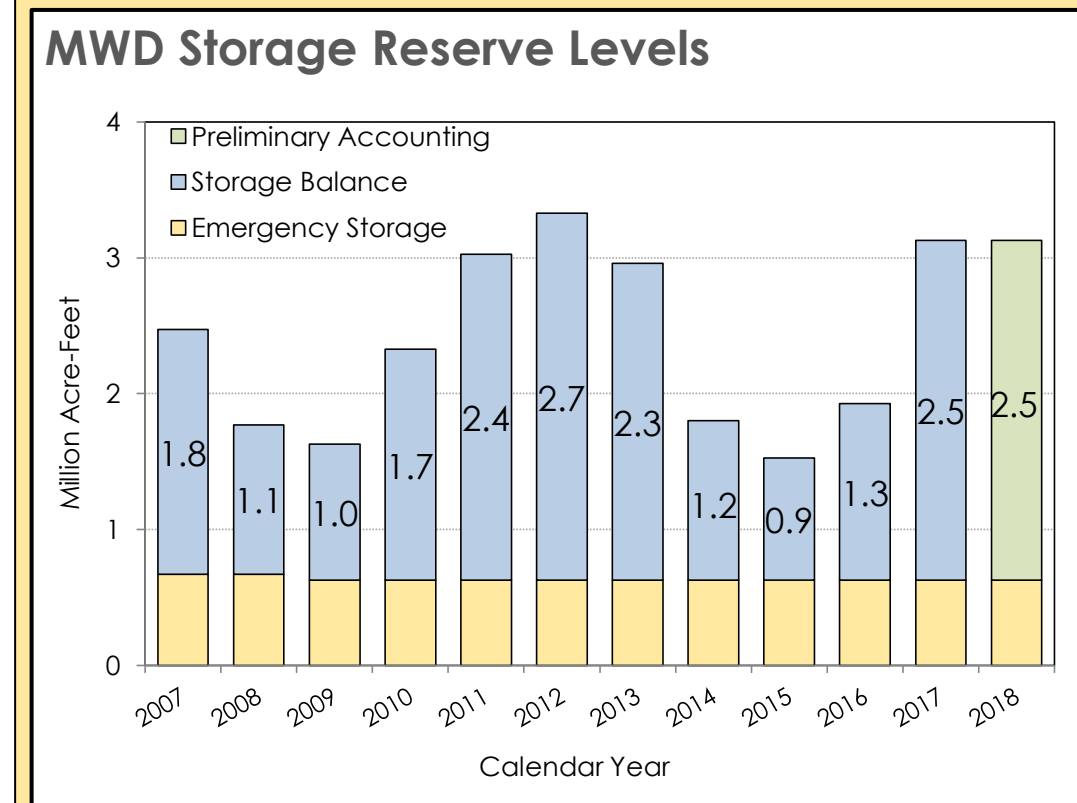
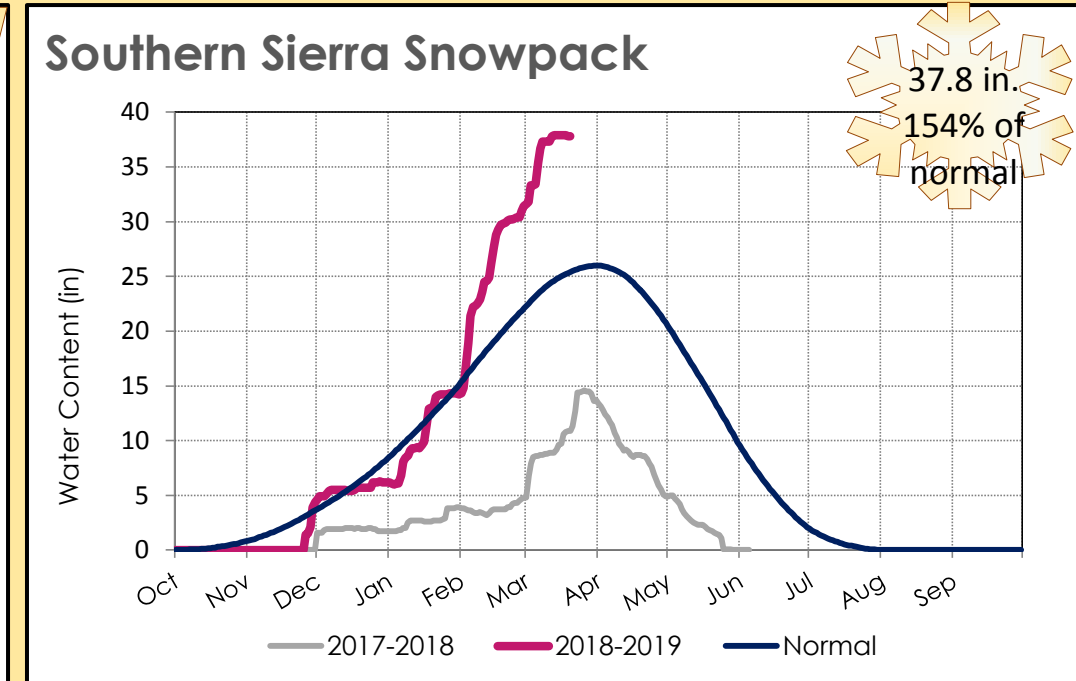
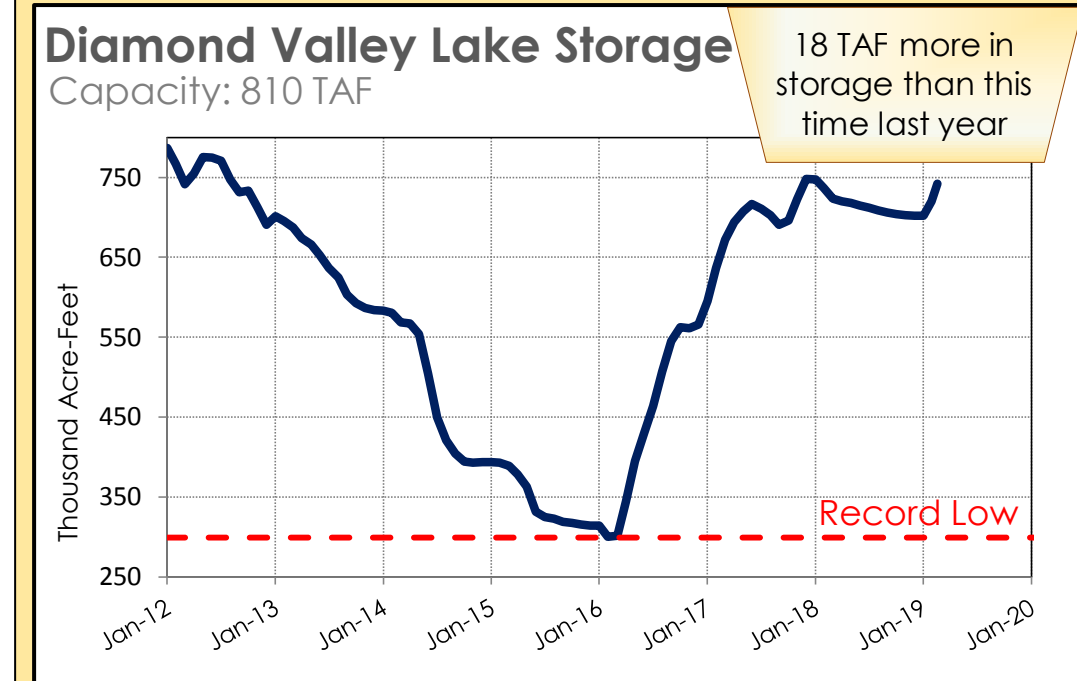






### Highlights

- Northern Sierra snowpack is at 153% of normal
- Upper Colorado River Basin snowpack is at 137% of normal
- Southern California precipitation above normal - Los Angeles (147% of normal) and San Diego (136% of normal)



**2019 SWP Allocation**  
669,025 AF  
35% of Table A  
Statewide **156%**

**OROVILLE** 2.68 MAF  
**SAN LUIS** TOT: 2.03 MAF SWP: 1062 TAF  
**CASTAIC** 264 TAF  
**DVL** 742 TAF

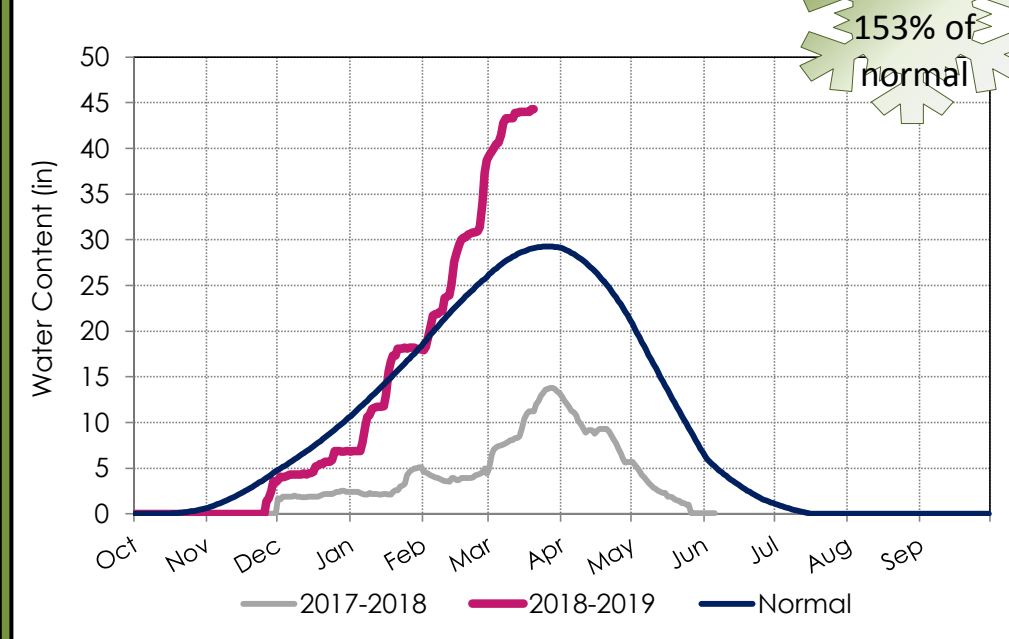
**Northern Sierra** 153%  
**Southern Sierra** 154%  
**LA**: 17.9"  
**SD**: 11.5"

Legend:  
Rainfall to Date (in) | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

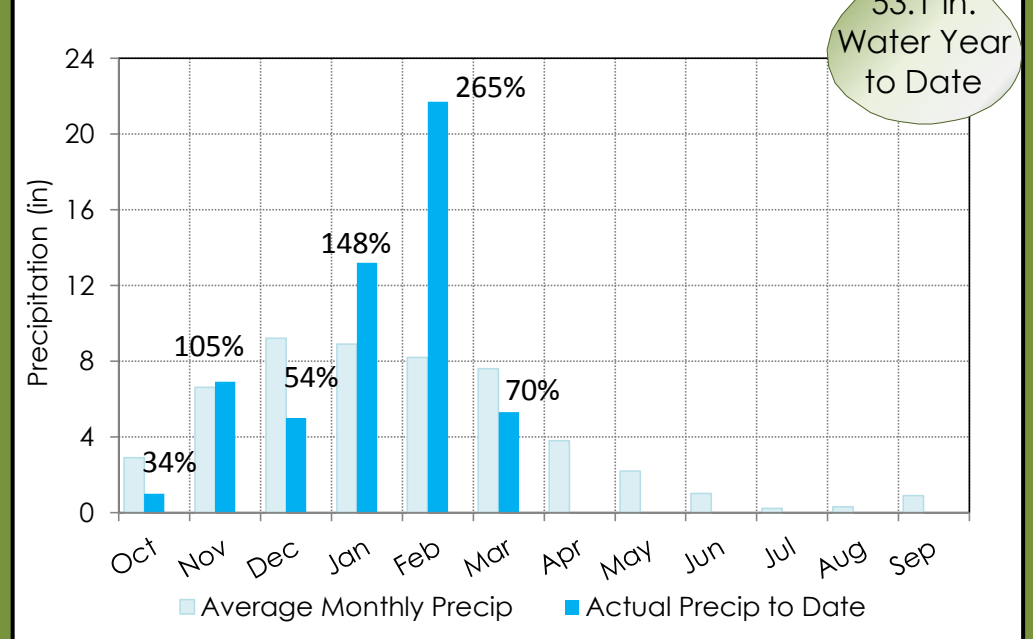
As of: 03/19/2019

# State Water Project Resources

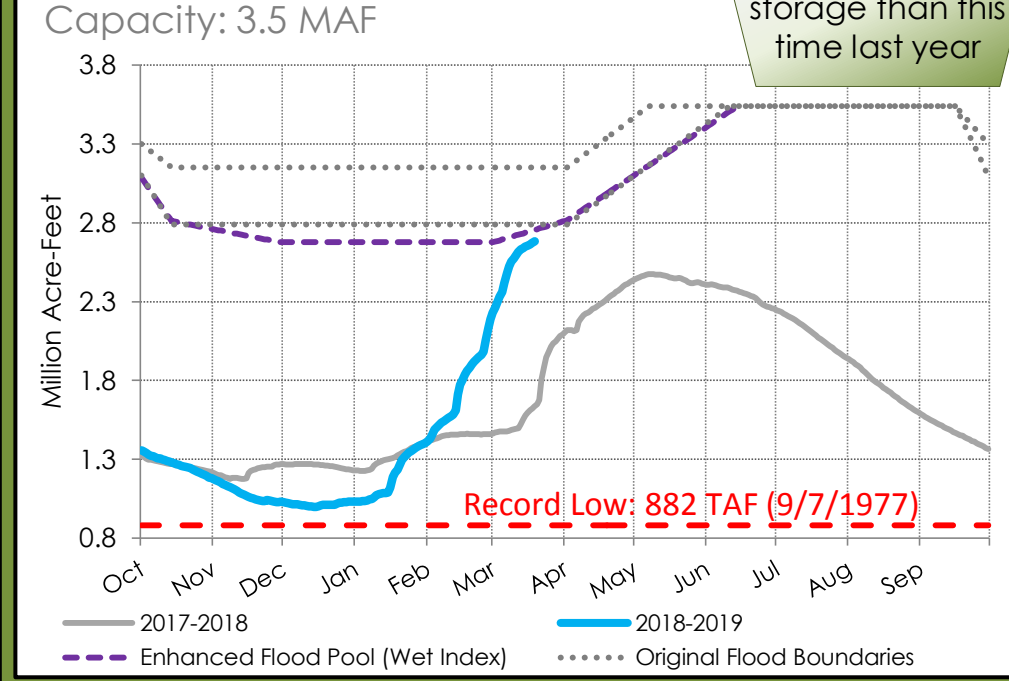
## Northern Sierra Snowpack



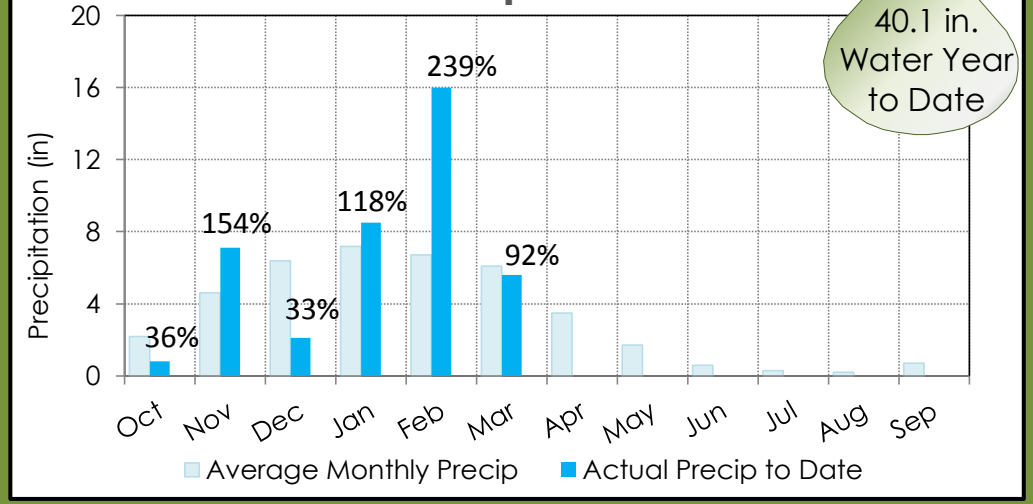
## 8 Station Index Precip



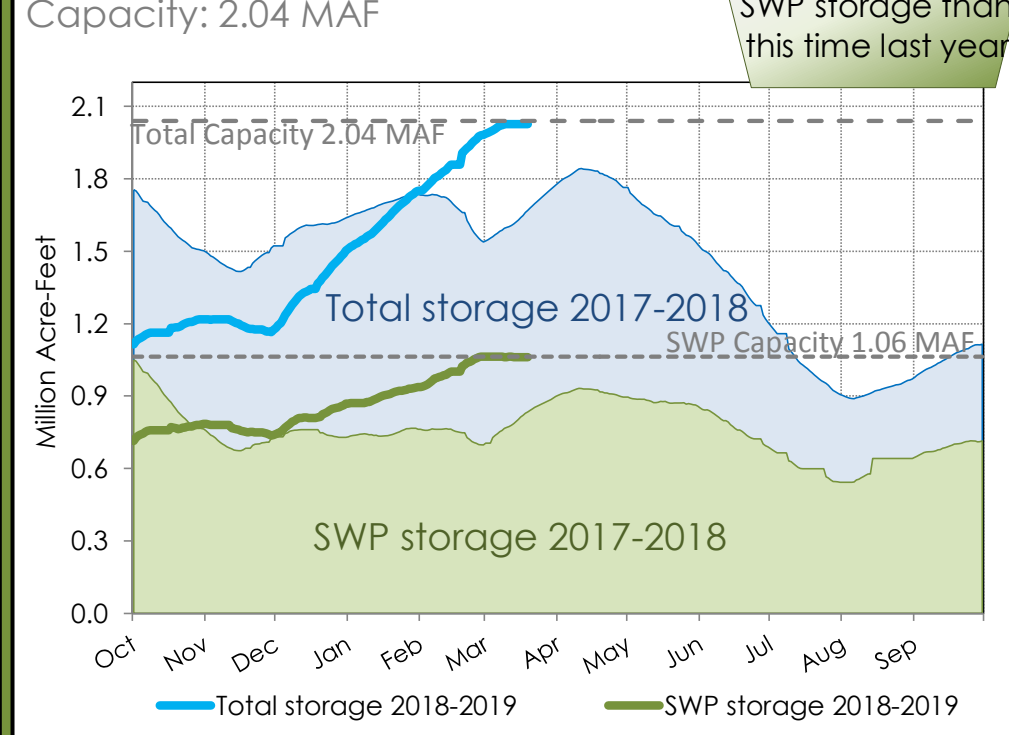
## Oroville Reservoir Storage



## 5 Station Index Precip



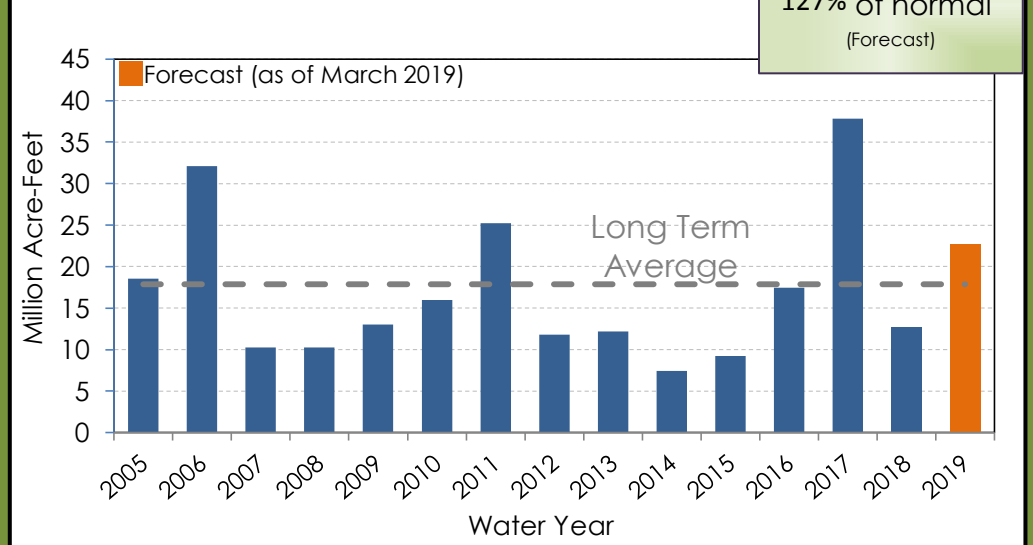
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	50,000
Carryover	147,000

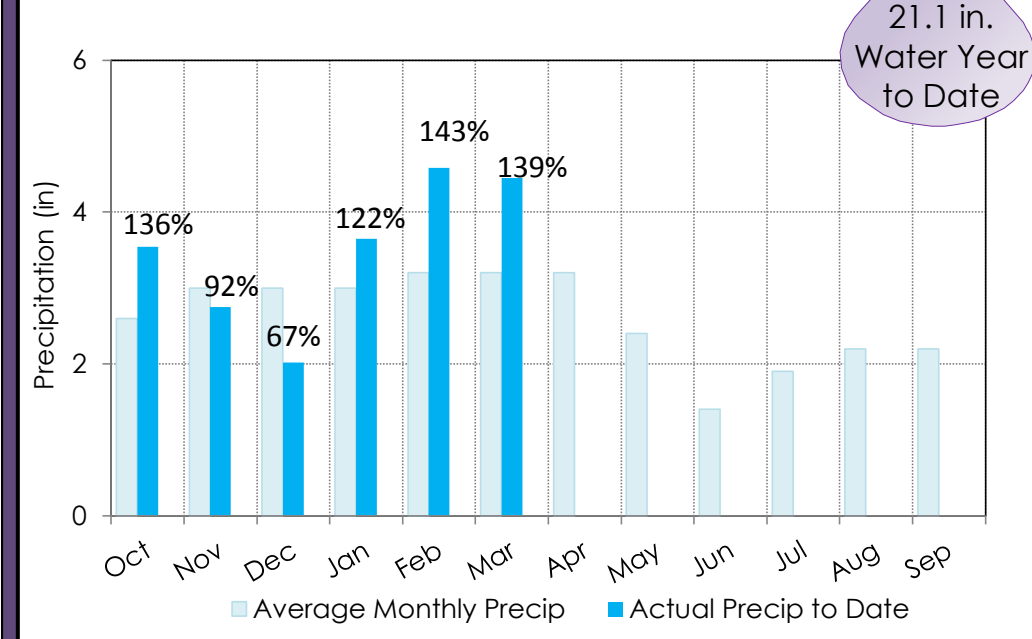
## Sacramento River Runoff



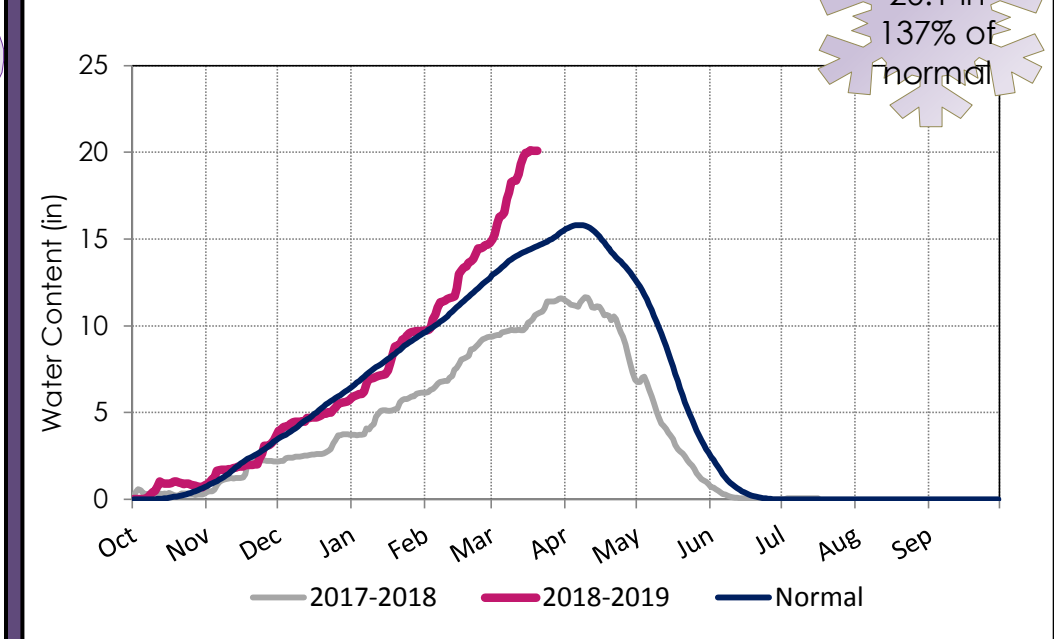
# Colorado River Resources

As of: 03/19/2019

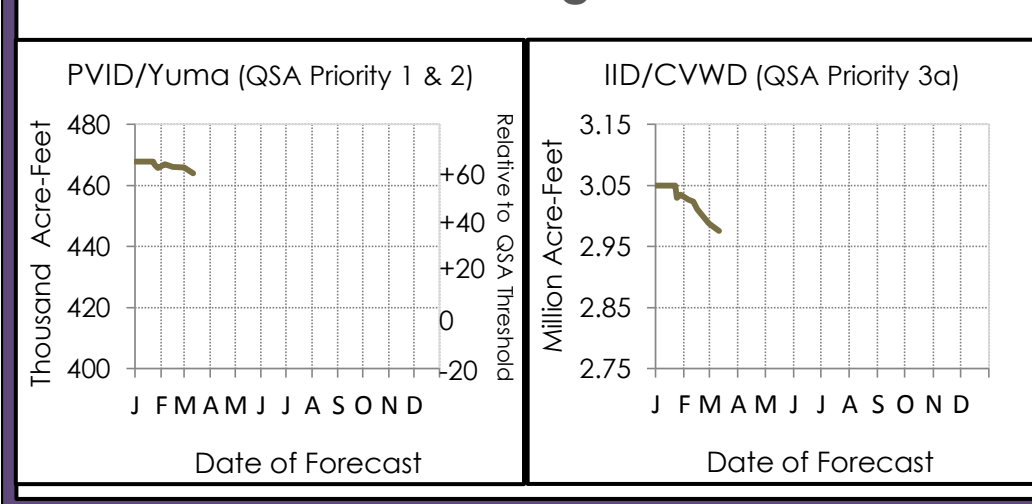
## Upper Colorado Basin Precip



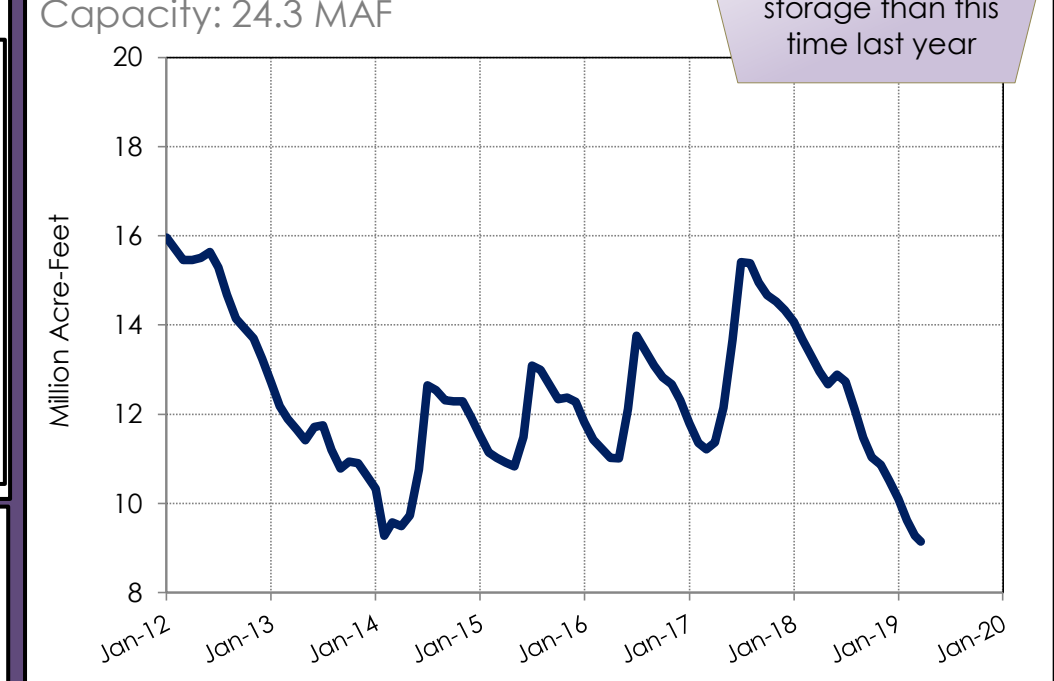
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



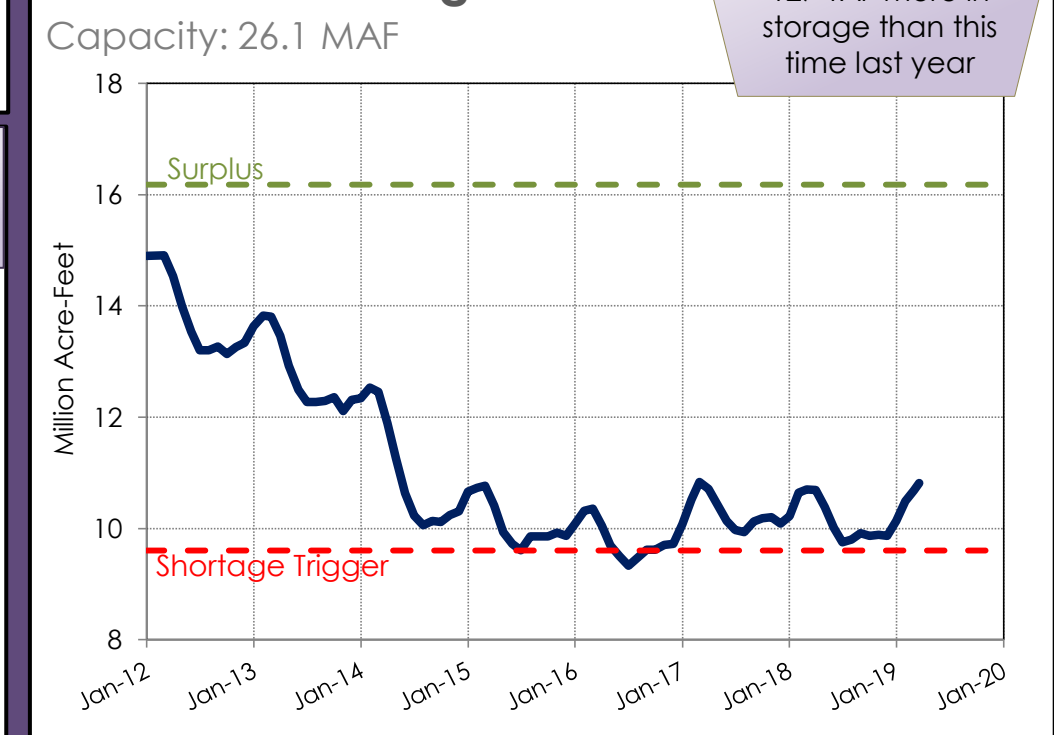
## Lake Powell Storage



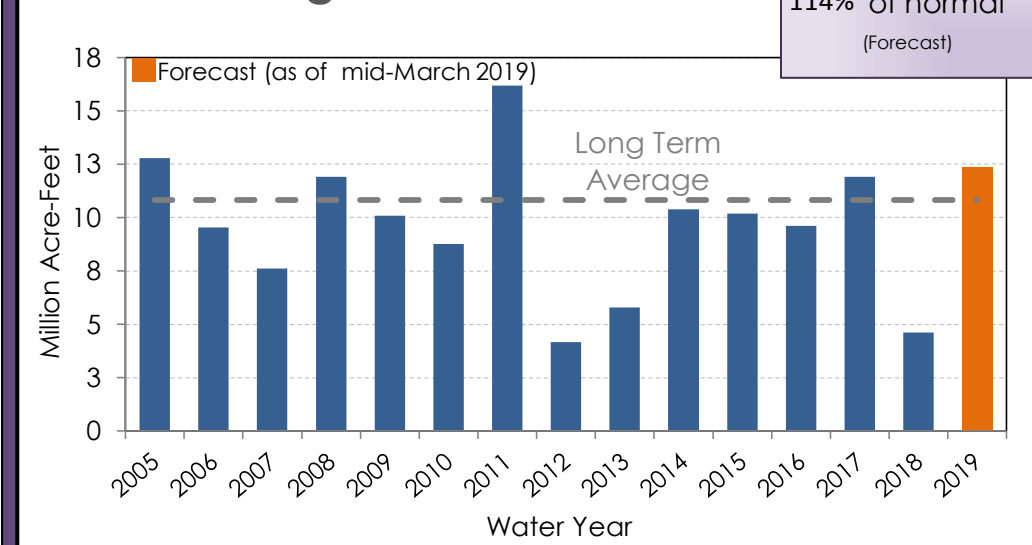
## Lake Mead Shortage/Surplus Outlook

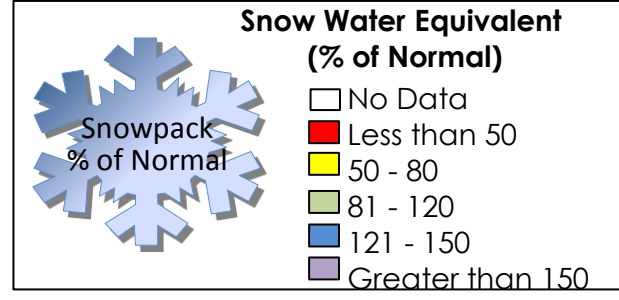
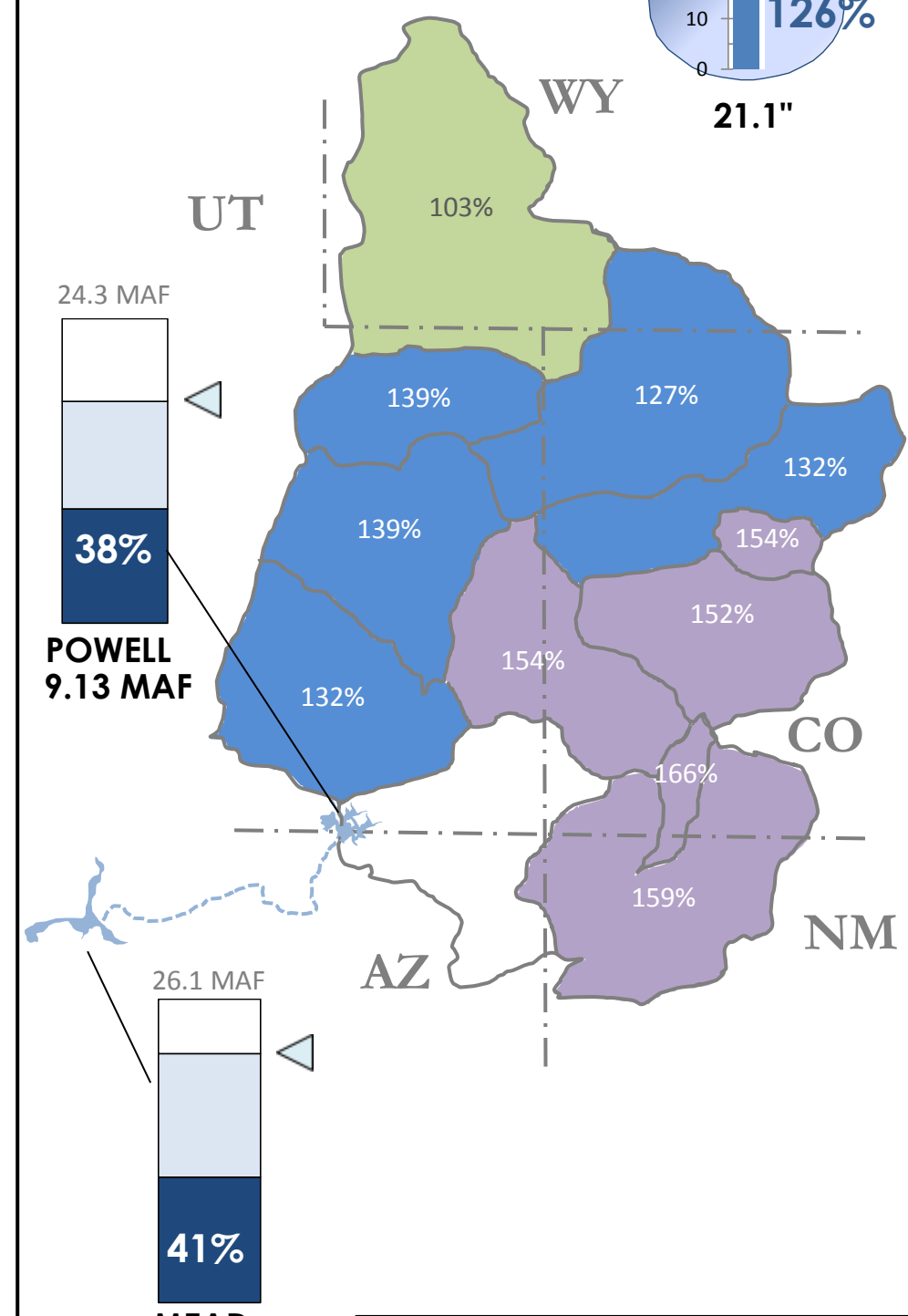
This table will be updated once Reclamation publishes the next 24-month study in April 2019.

## Lake Mead Storage



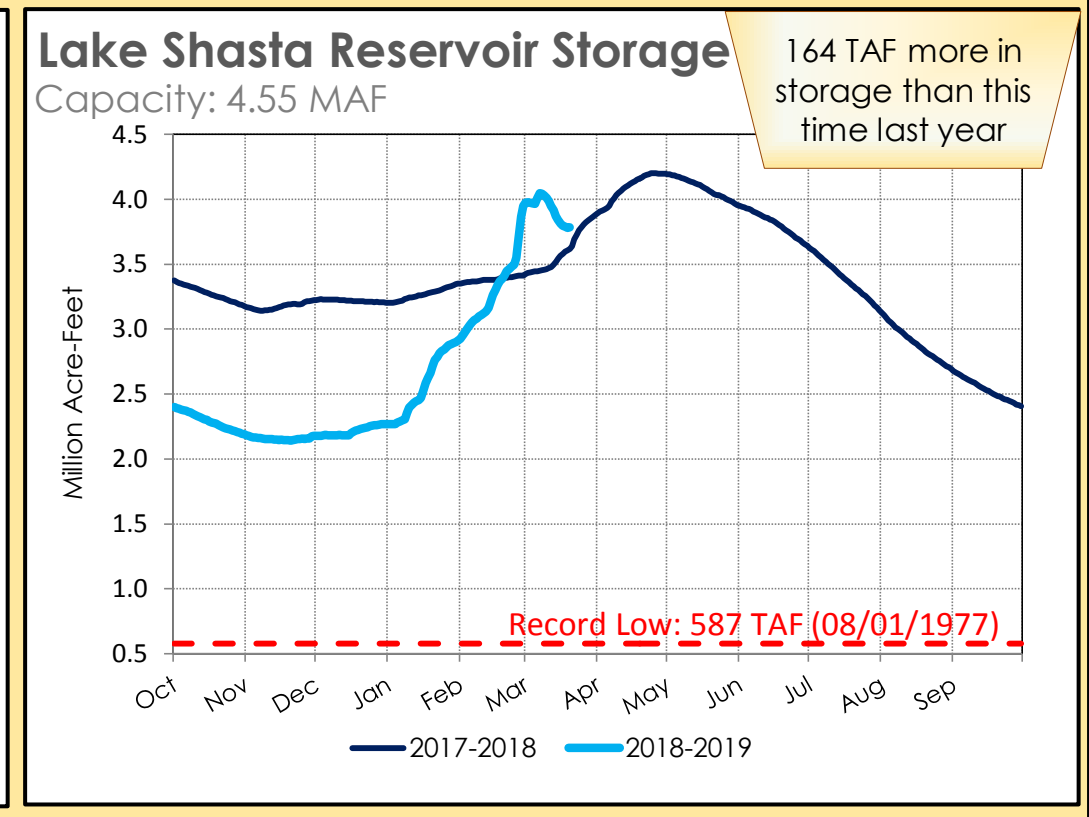
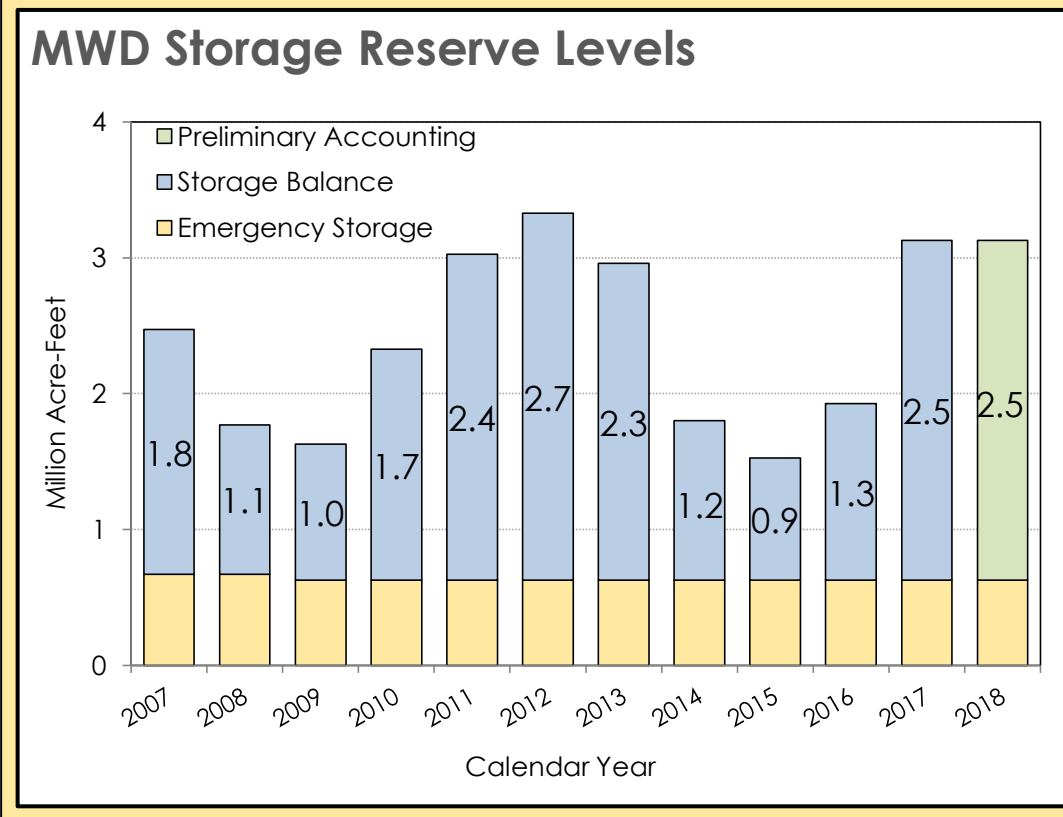
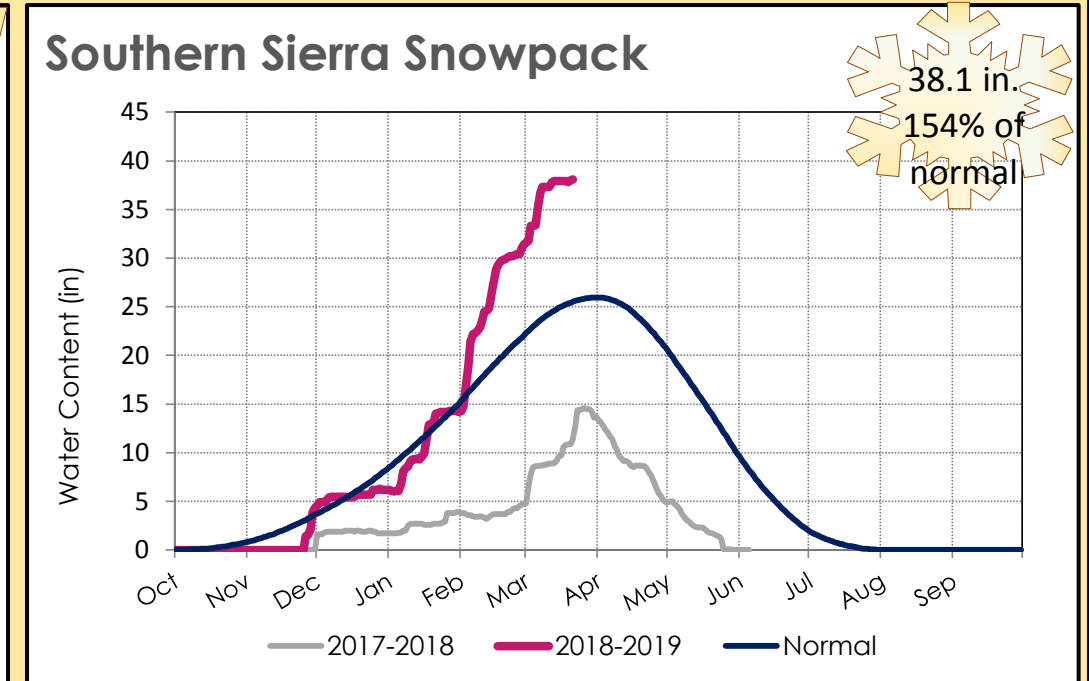
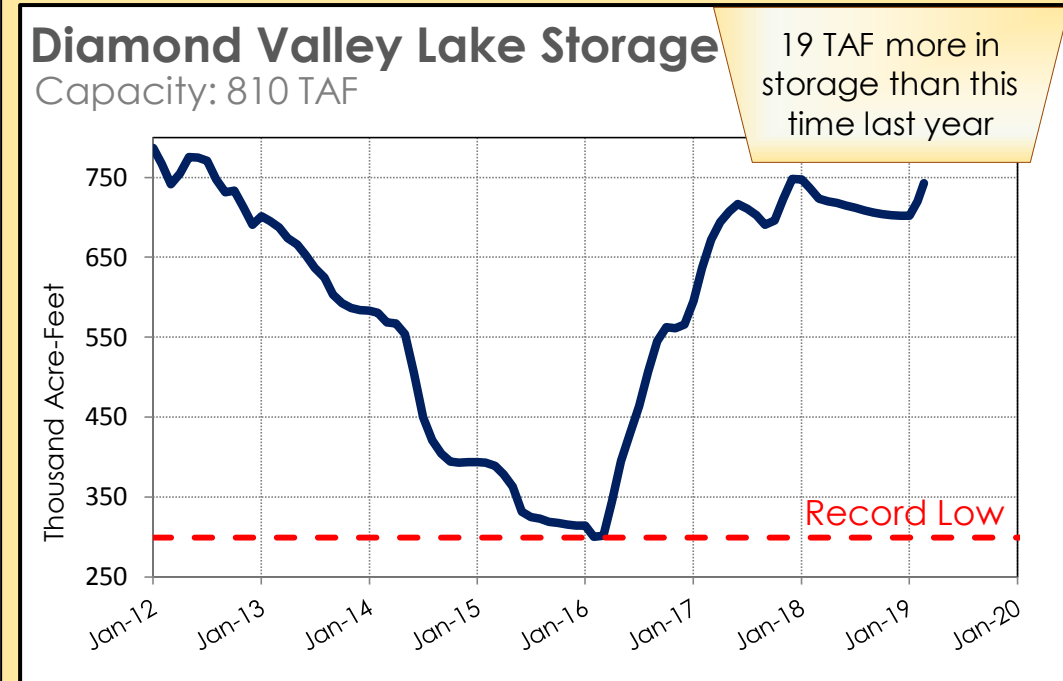
## Powell Unregulated Inflow





**Highlights**

- San Luis Reservoir is at capacity
- Northern Sierra snowpack is at 151% of normal
- Upper Colorado River Basin snowpack is at 137% of normal
- Southern California precipitation above normal - Los Angeles (146% of normal) and San Diego (136% of normal)



**2019 SWP Allocation**  
1,338,050 AF  
70% of Table A  
Statewide **156%**

**OROVILLE 2.69 MAF**  
**SAN LUIS TOT: 2.02 MAF SWP: 1059 TAF**  
**CASTAIC 267 TAF**  
**DVL 743 TAF**

Northern Sierra **151%**  
8 STA: 53.4"

Southern Sierra **154%**  
5 STA: 40.5"

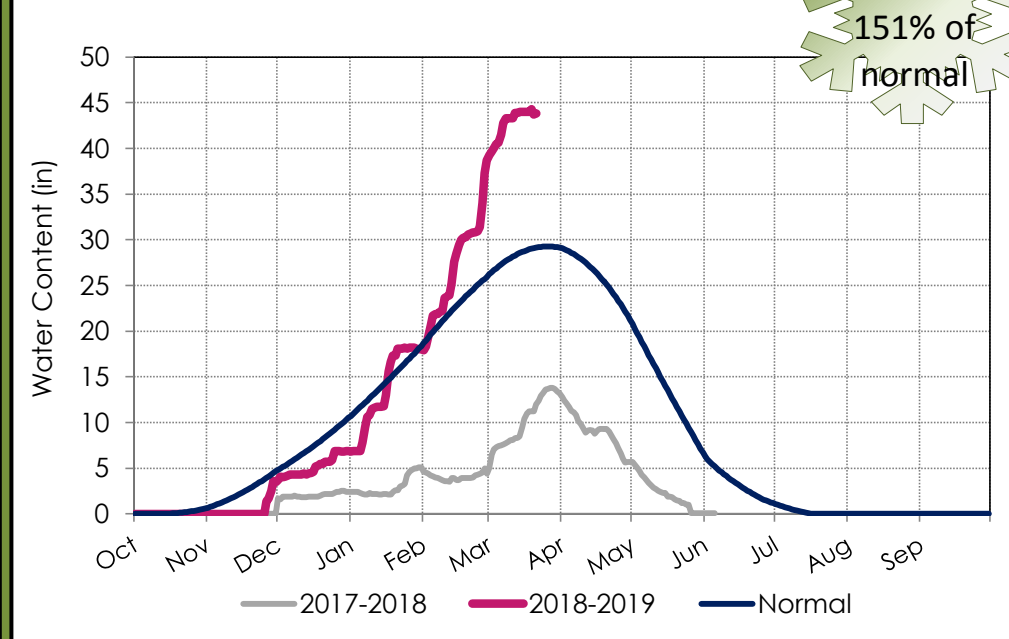
LA: 17.9" (146% of normal)  
SD: 11.6" (136% of normal)

Legend:  
WY Avg  
% Normal WY to Date  
Rainfall to Date (in)  
Capacity  
Average EOM  
Current Storage (% Capacity)

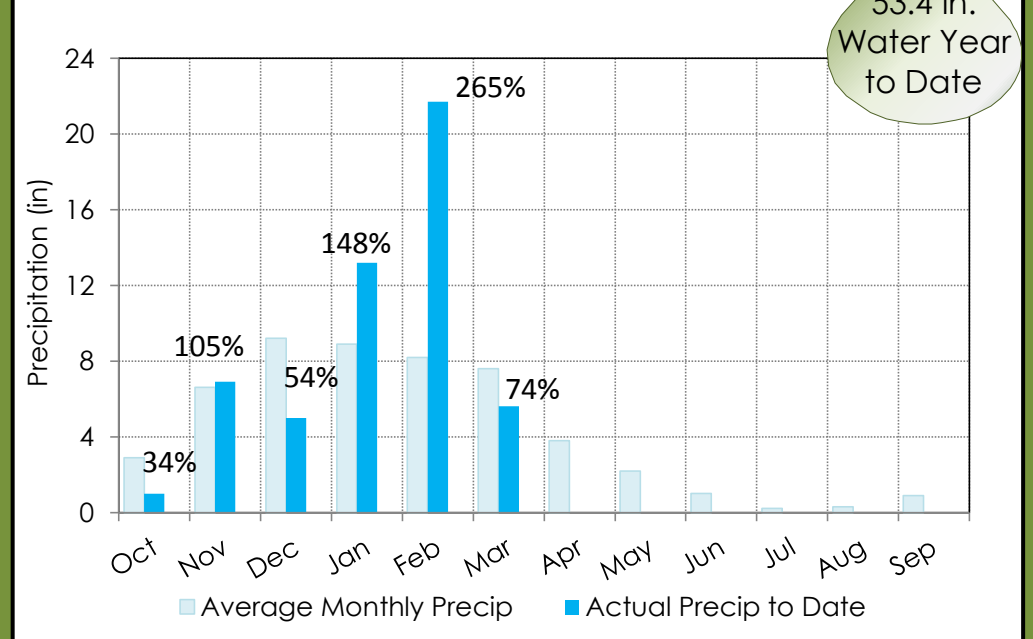
As of: 03/20/2019

# State Water Project Resources

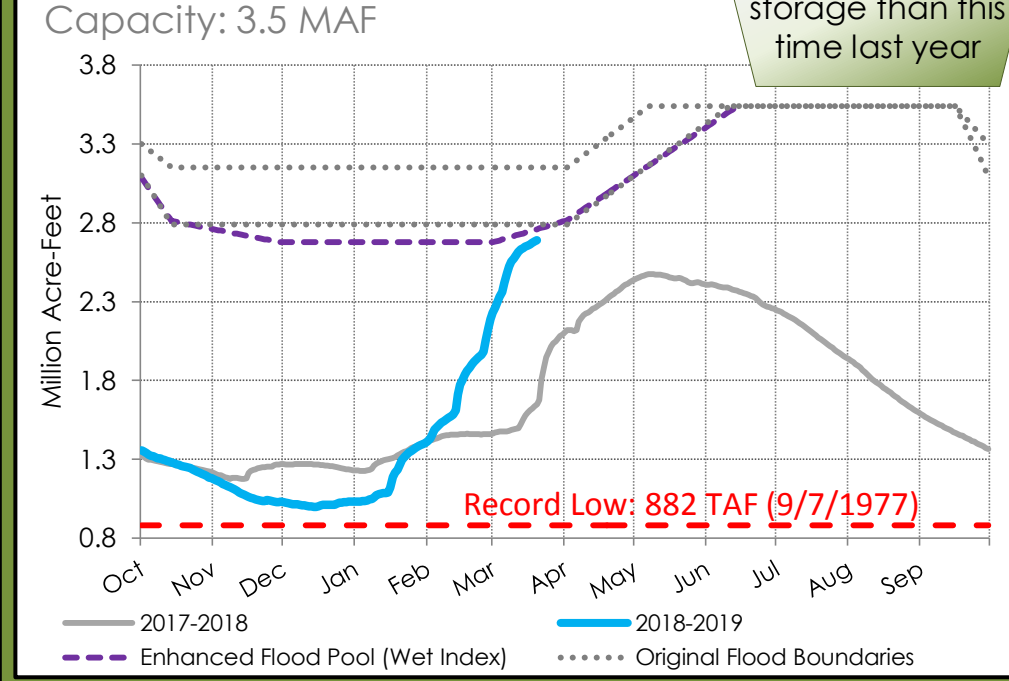
## Northern Sierra Snowpack



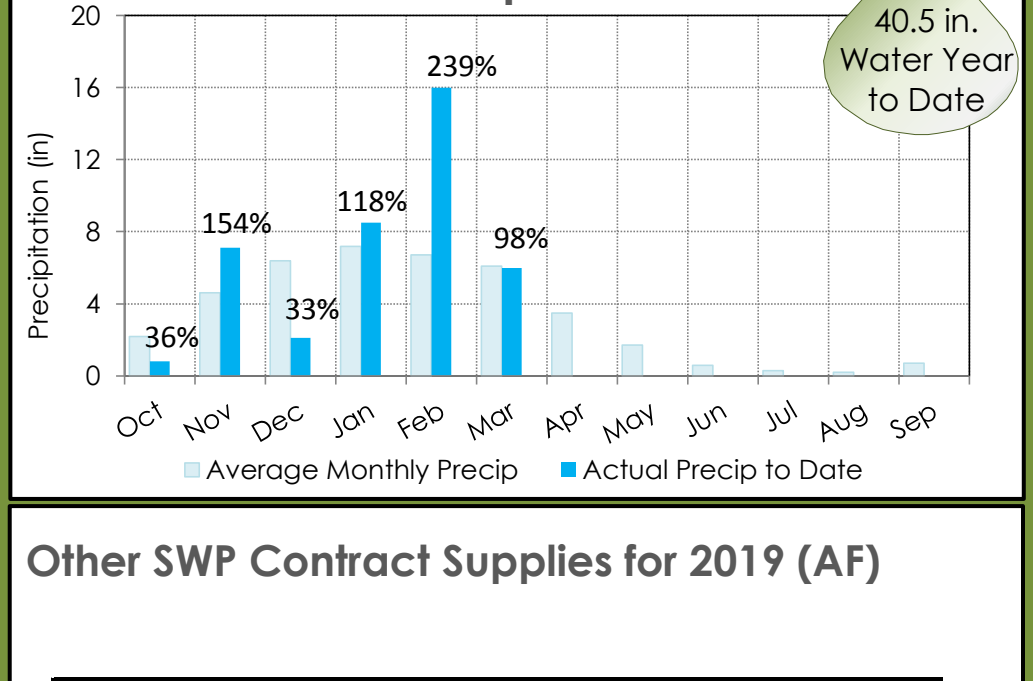
## 8 Station Index Precip



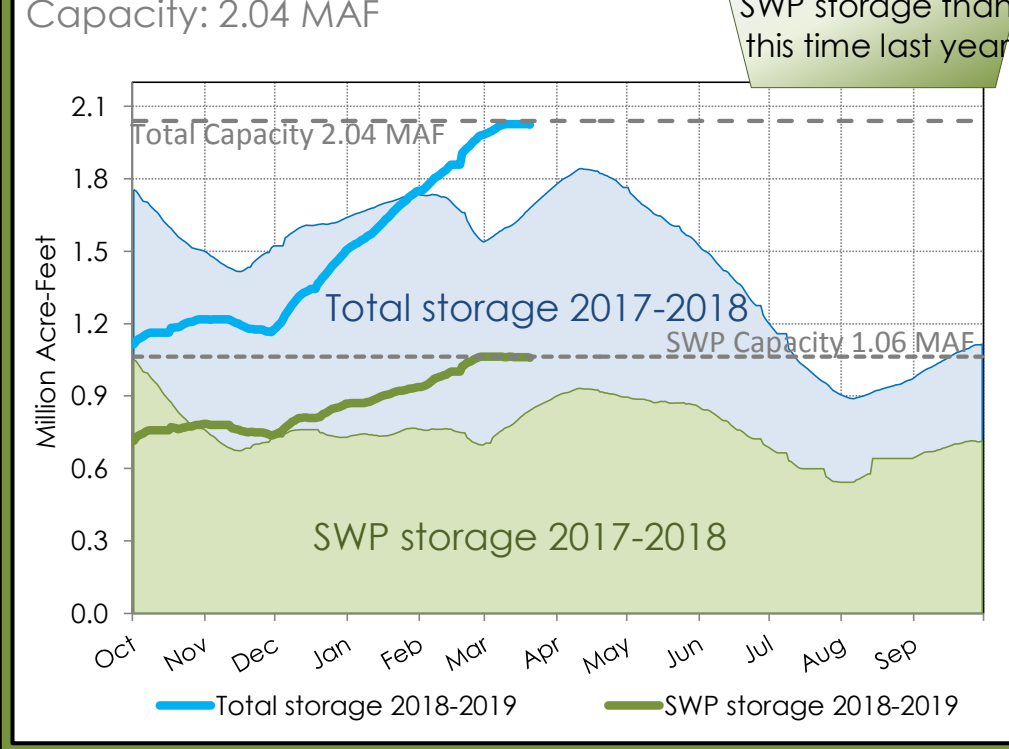
## Oroville Reservoir Storage



## 5 Station Index Precip



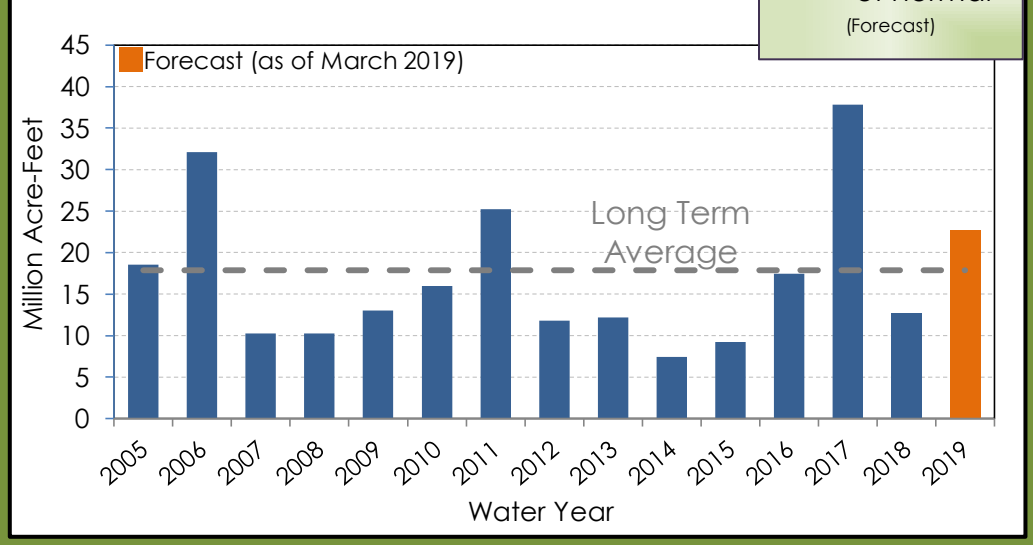
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	60,000
Carryover	101,000

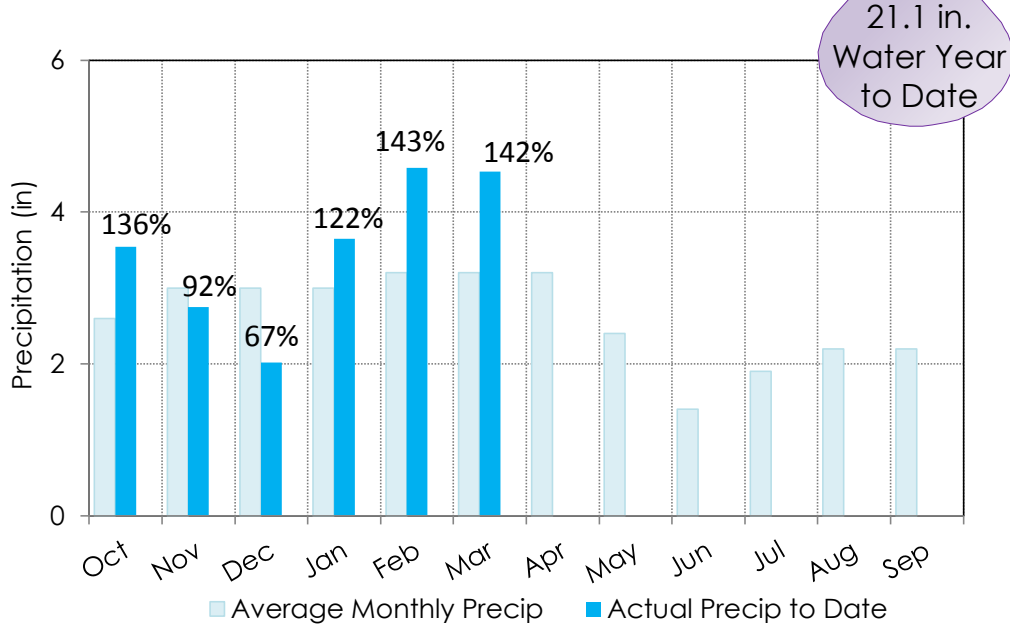
## Sacramento River Runoff



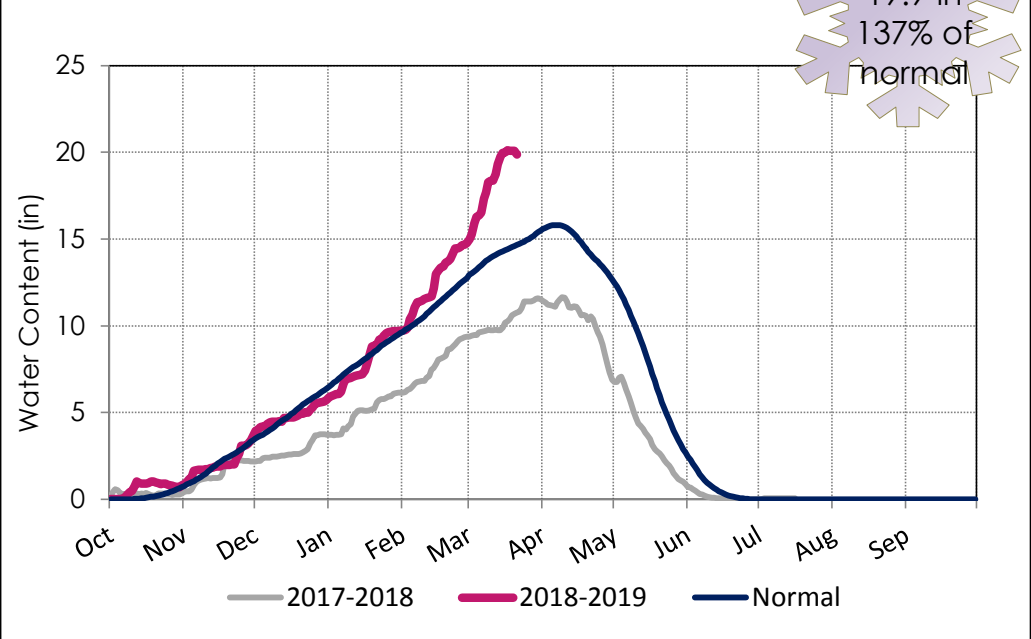
# Colorado River Resources

As of: 03/20/2019

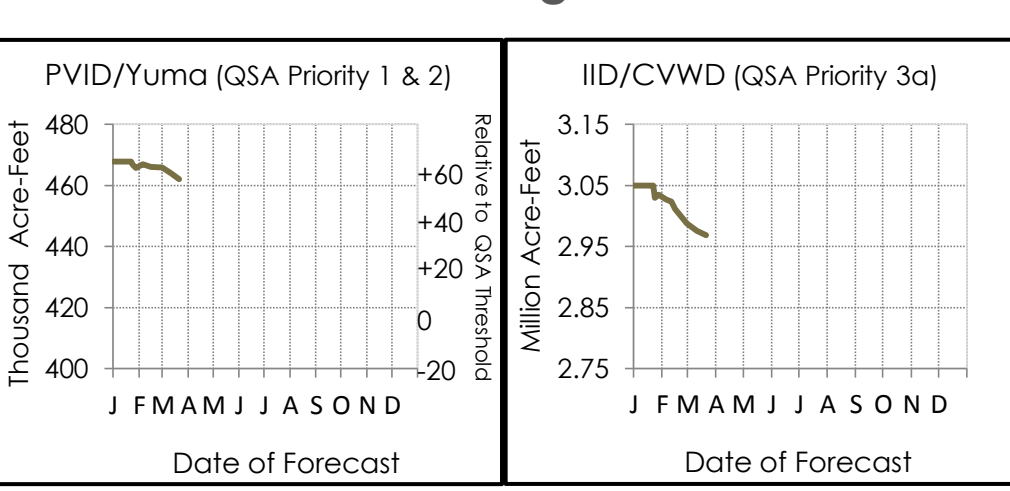
## Upper Colorado Basin Precip



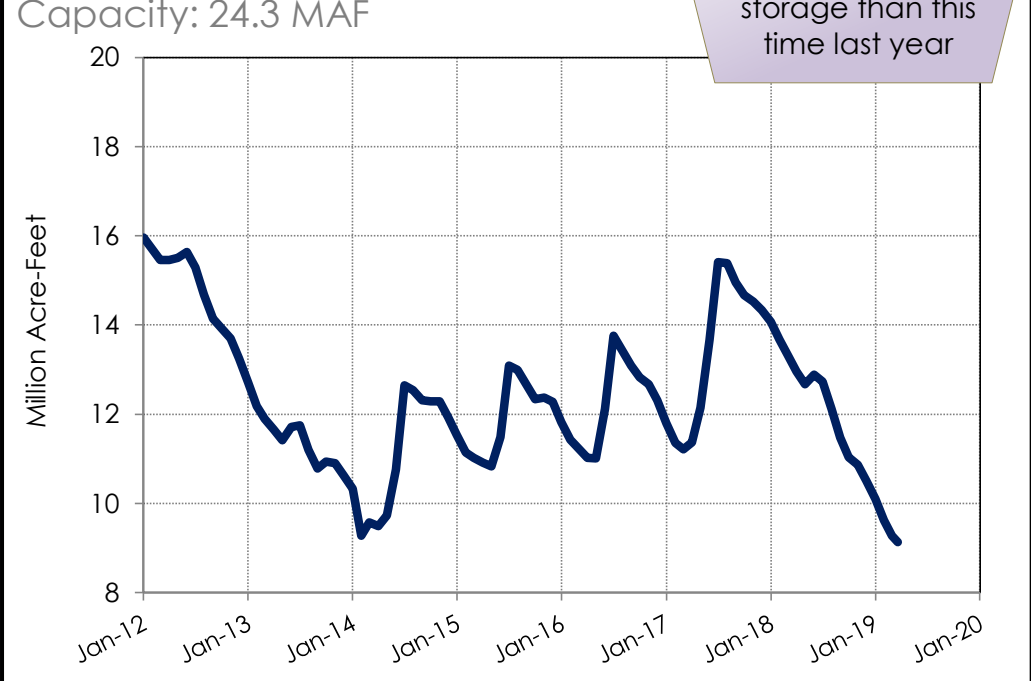
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



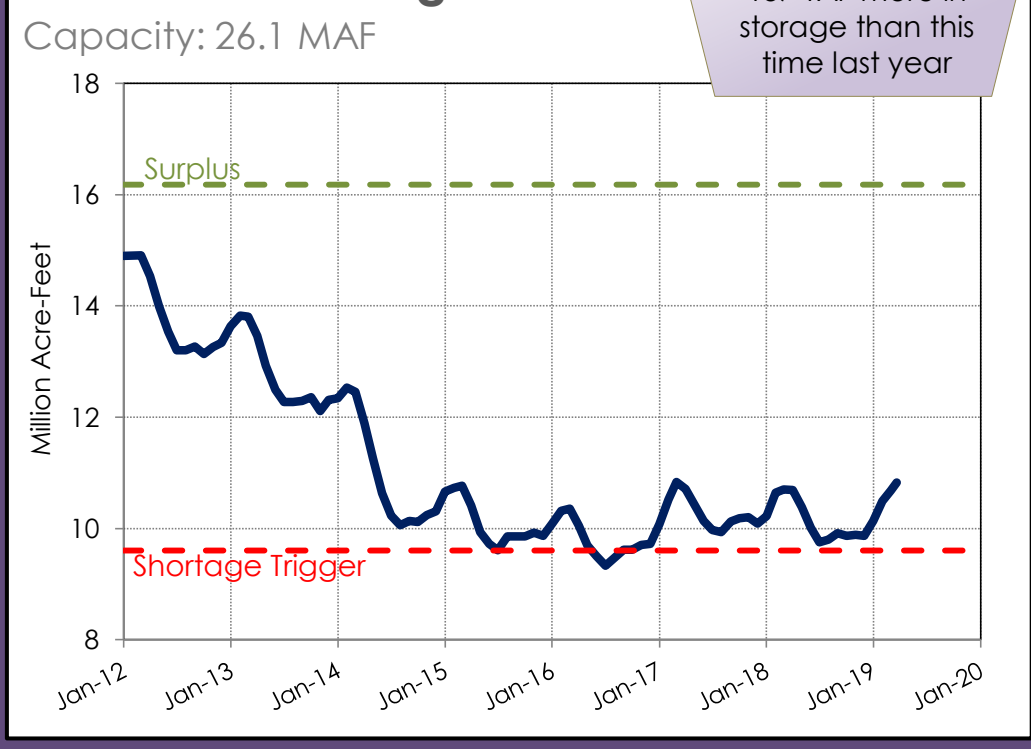
## Lake Powell Storage



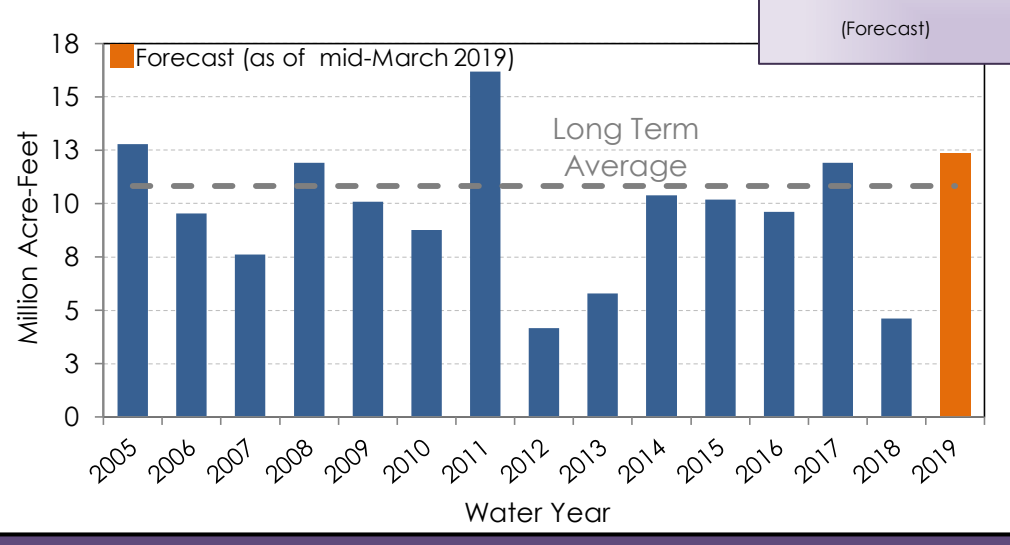
## Lake Mead Shortage/Surplus Outlook

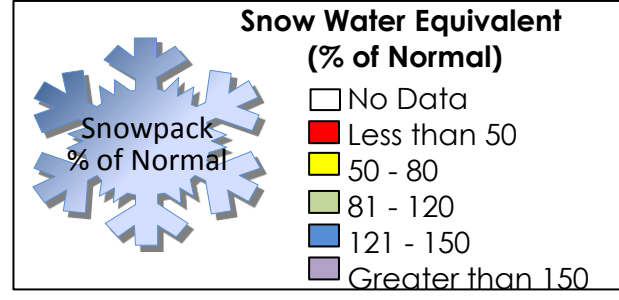
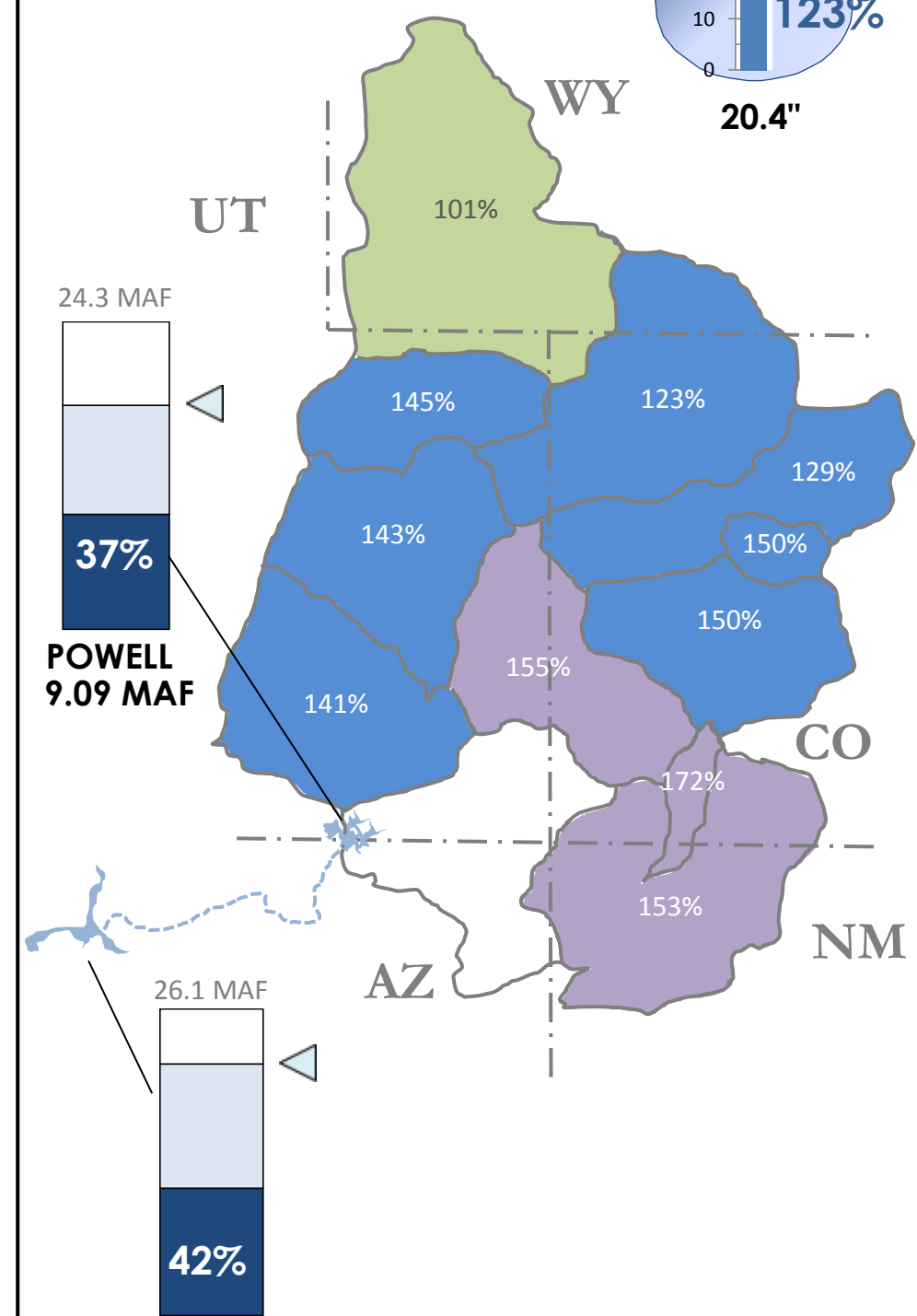
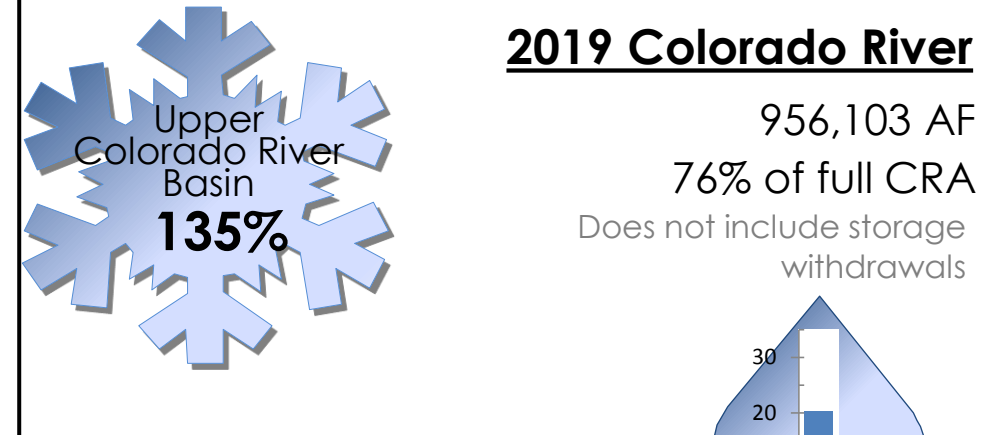
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## Lake Mead Storage



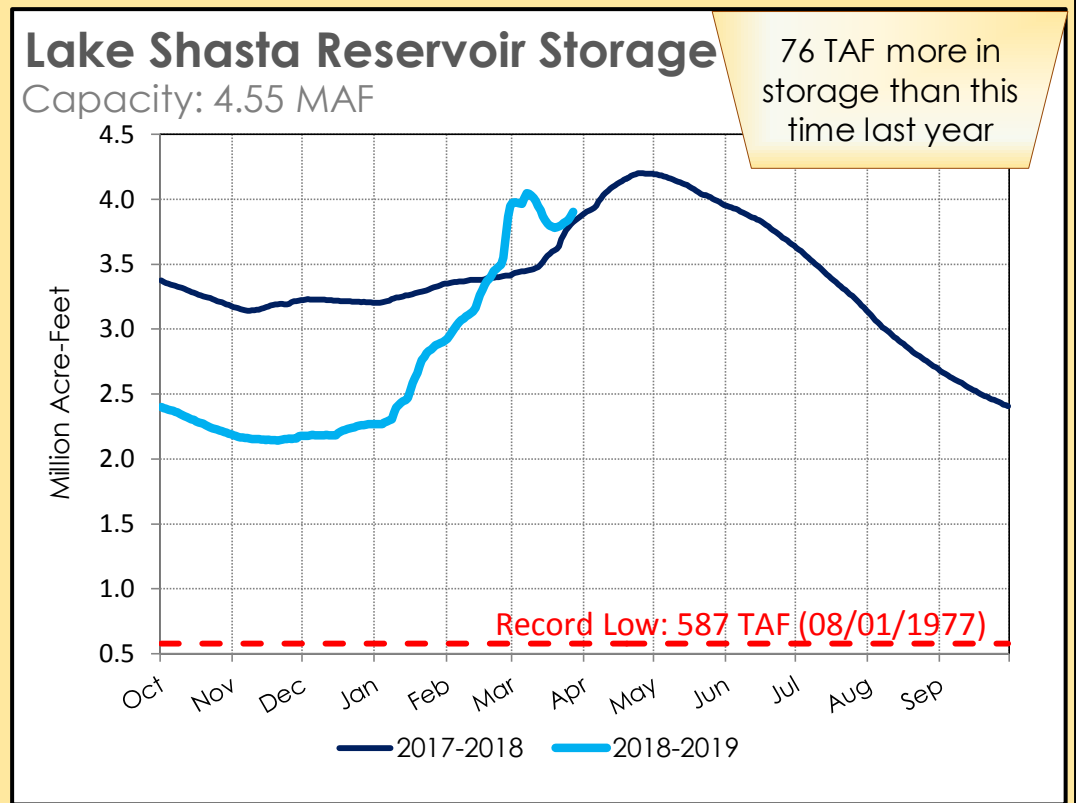
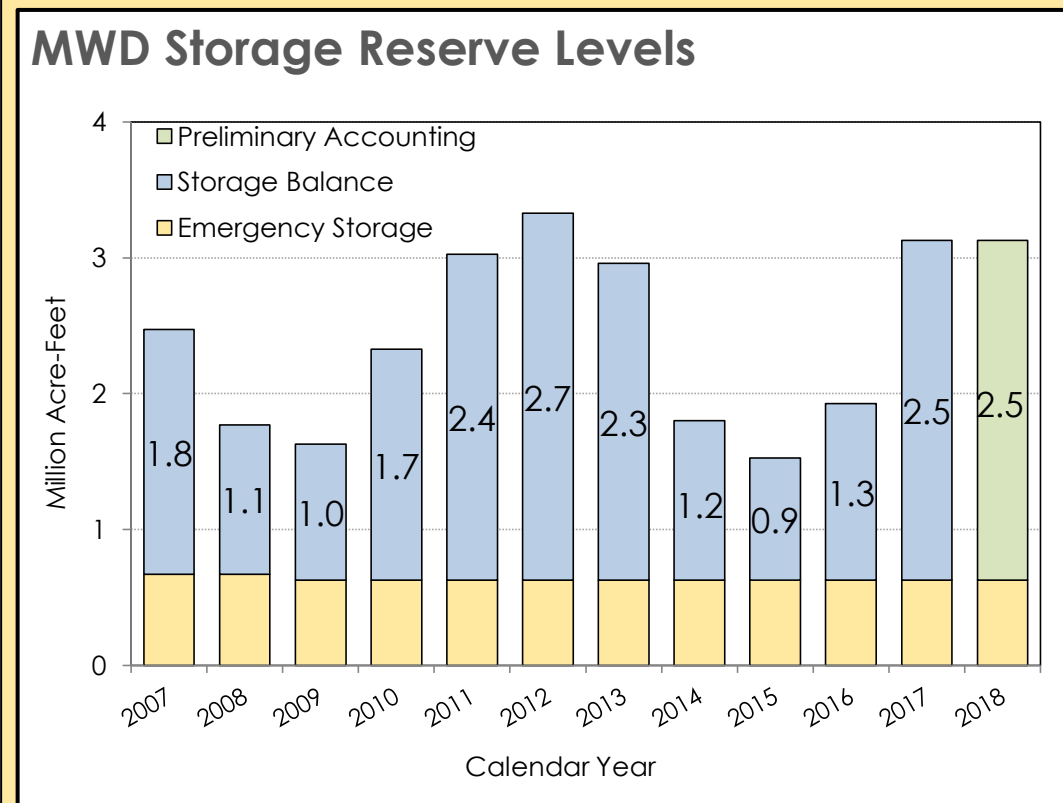
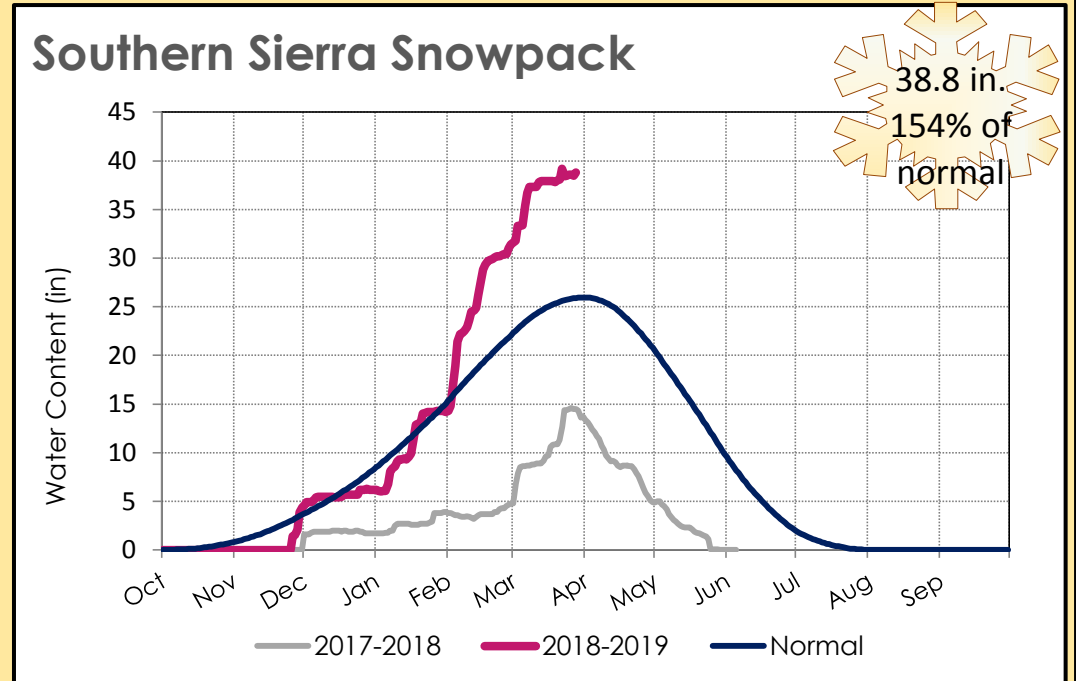
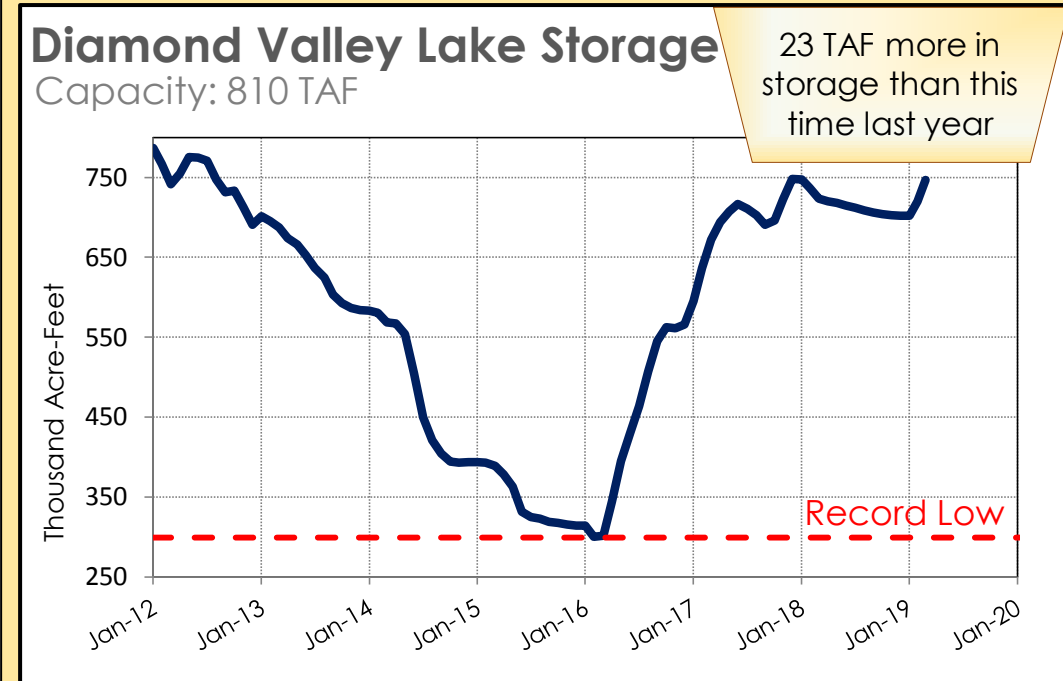
## Powell Unregulated Inflow





### Highlights

- Oroville storage levels continue to gain and approaching the flood control boundary trigger
- San Luis Reservoir is at capacity
- Northern Sierra snowpack is at 162% of normal
- Upper Colorado River Basin snowpack is at 135% of normal



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**2019 SWP Allocation**  
1,338,050 AF  
70% of Table A

**Statewide**  
**161%**

**OROVILLE**  
2.77 MAF  
**78%**

**SAN LUIS**  
TOT: 2.03 MAF  
SWP: 1063 TAF  
**99%**

**CASTAIC**  
279 TAF  
**86%**

**DVL**  
747 TAF  
**92%**

**Northern Sierra**  
162%  
8 STA: 56.9"

**Southern Sierra**  
154%  
5 STA: 42.3"

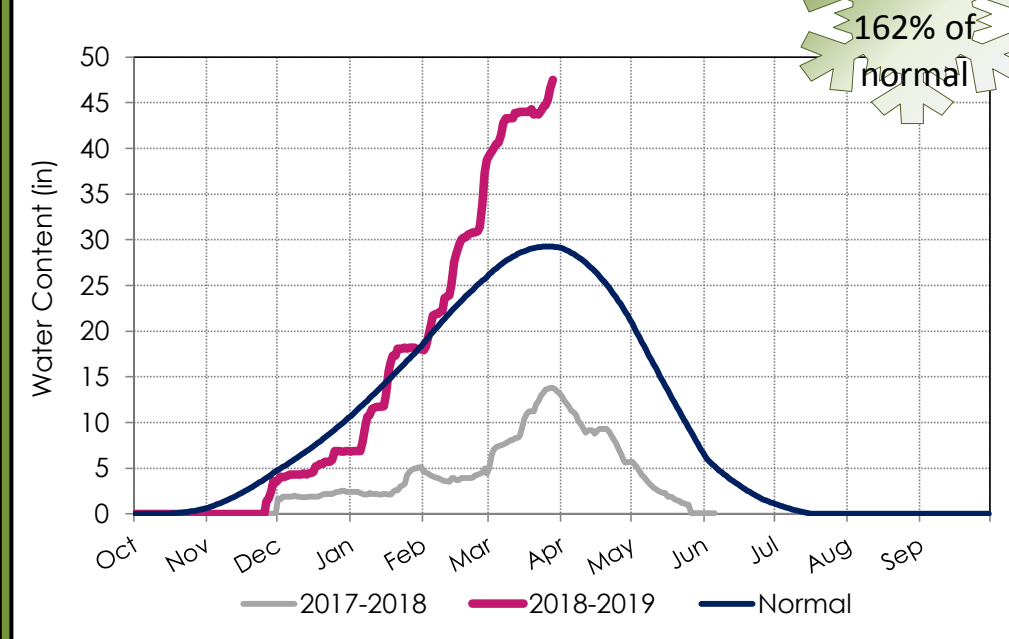
**LA:** 17.9"  
**SD:** 11.9"

WY Avg: 135%  
WY Avg: 131%  
WY Avg: 138%  
WY Avg: 131%

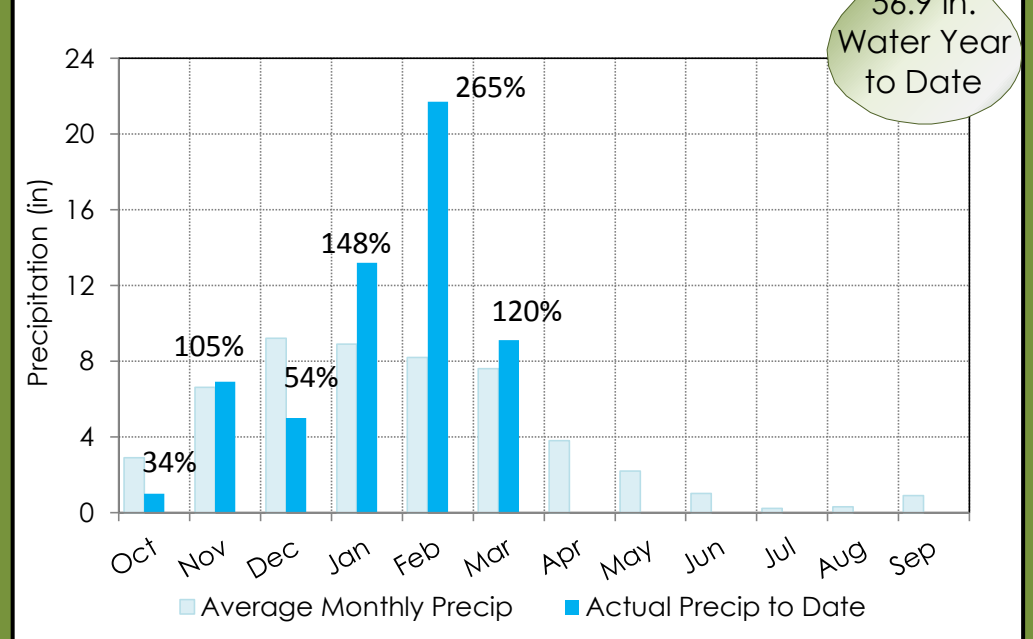
As of: 03/27/2019

# State Water Project Resources

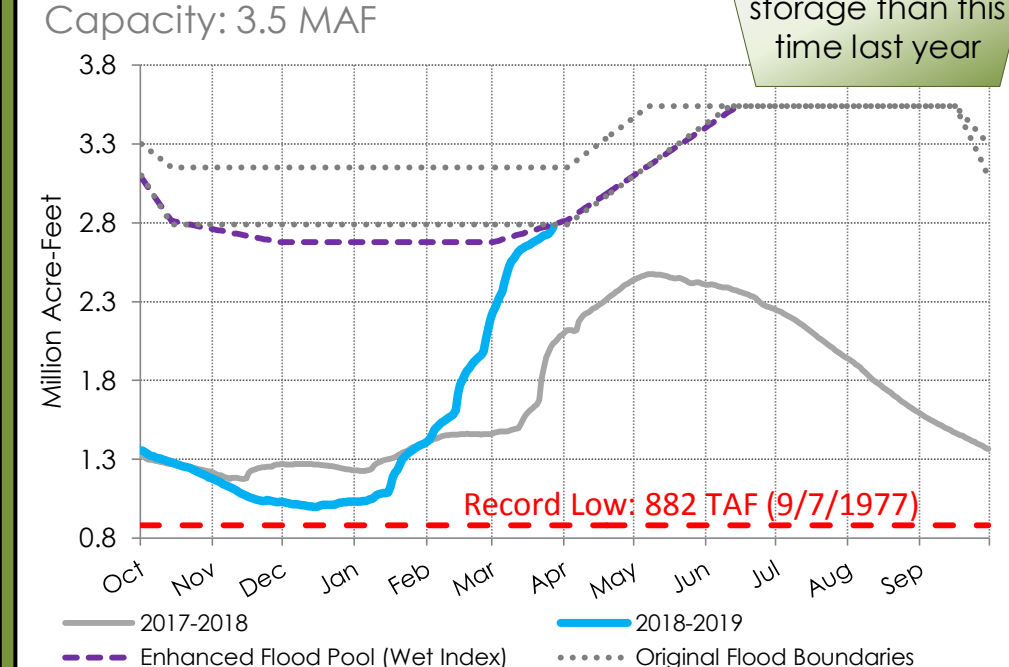
## Northern Sierra Snowpack



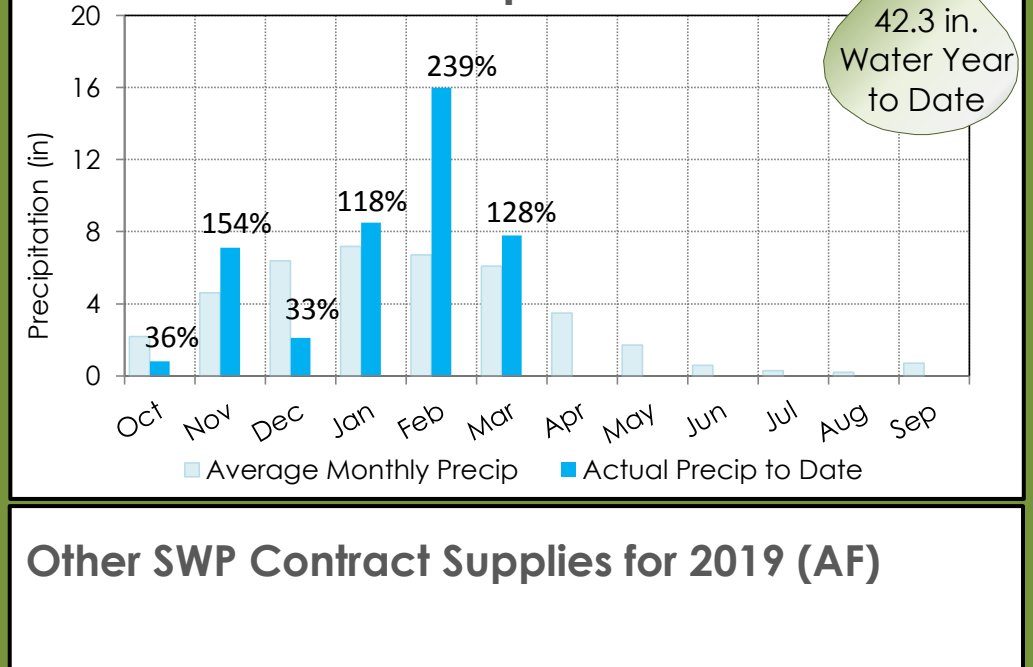
## 8 Station Index Precip



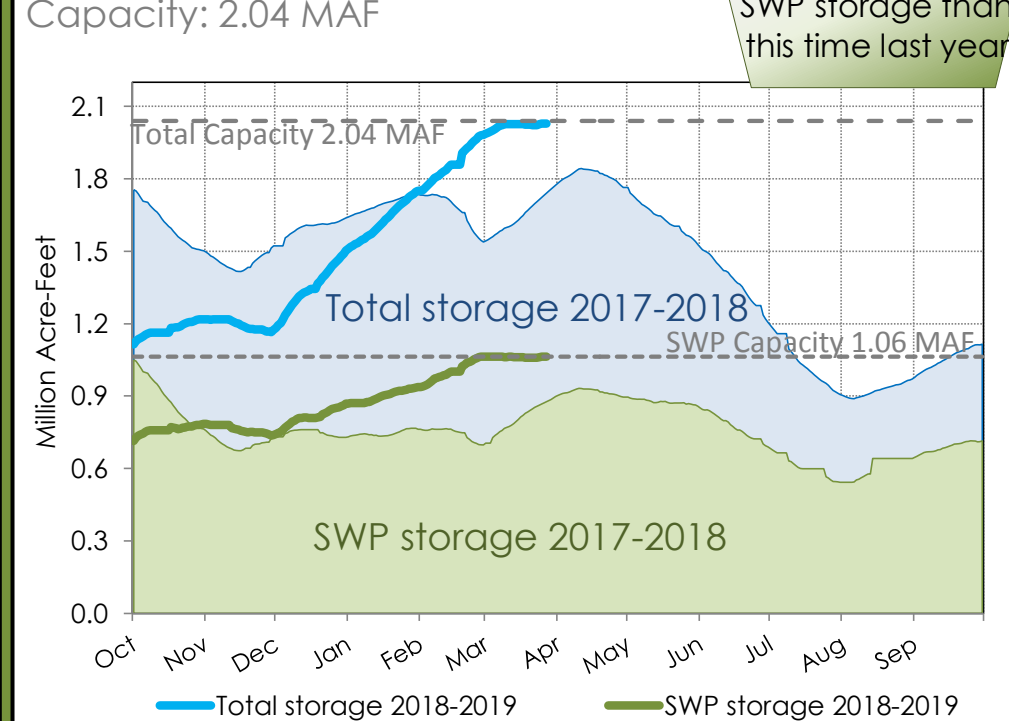
## Oroville Reservoir Storage



## 5 Station Index Precip



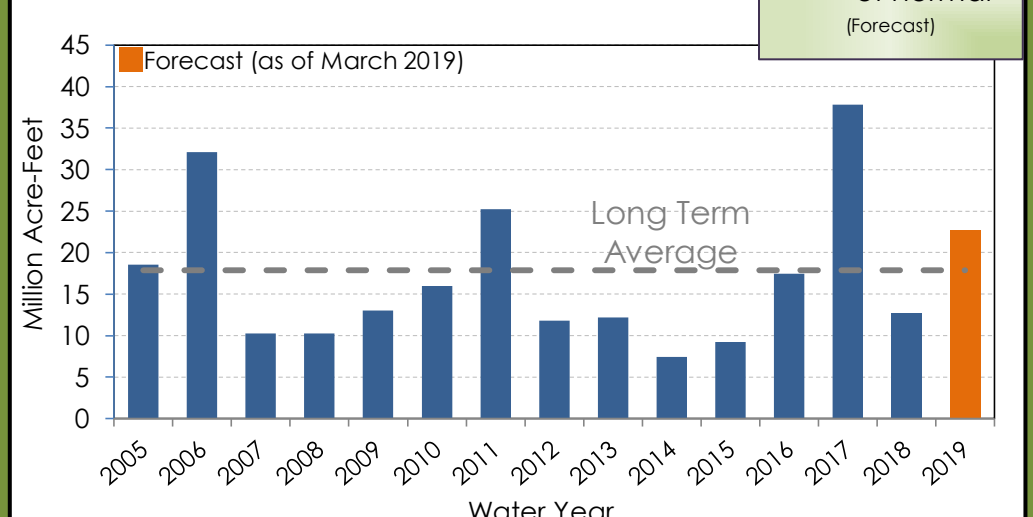
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	60,000
Carryover	101,000

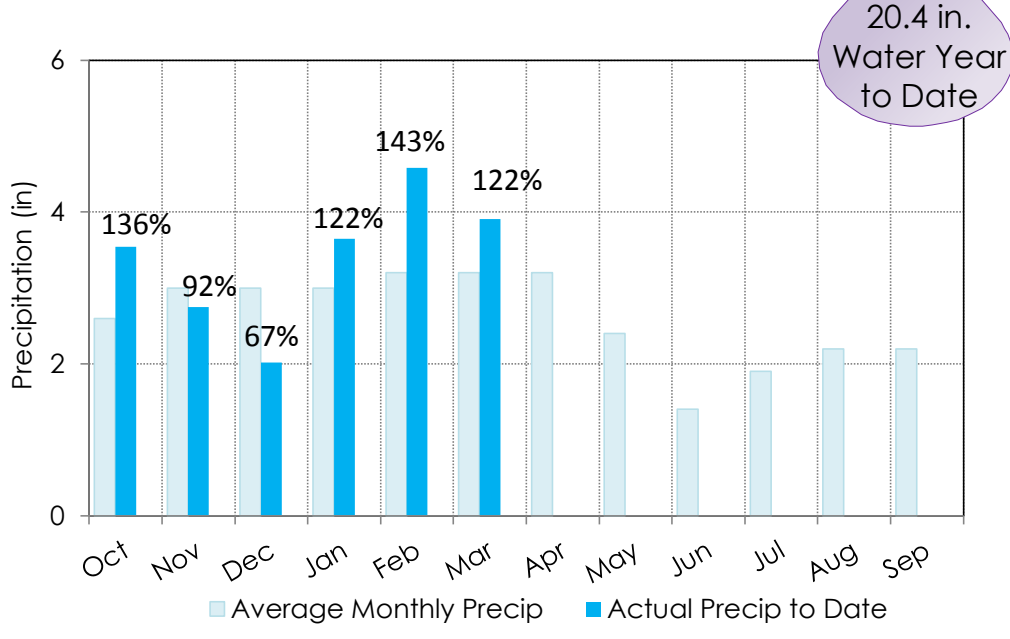
## Sacramento River Runoff



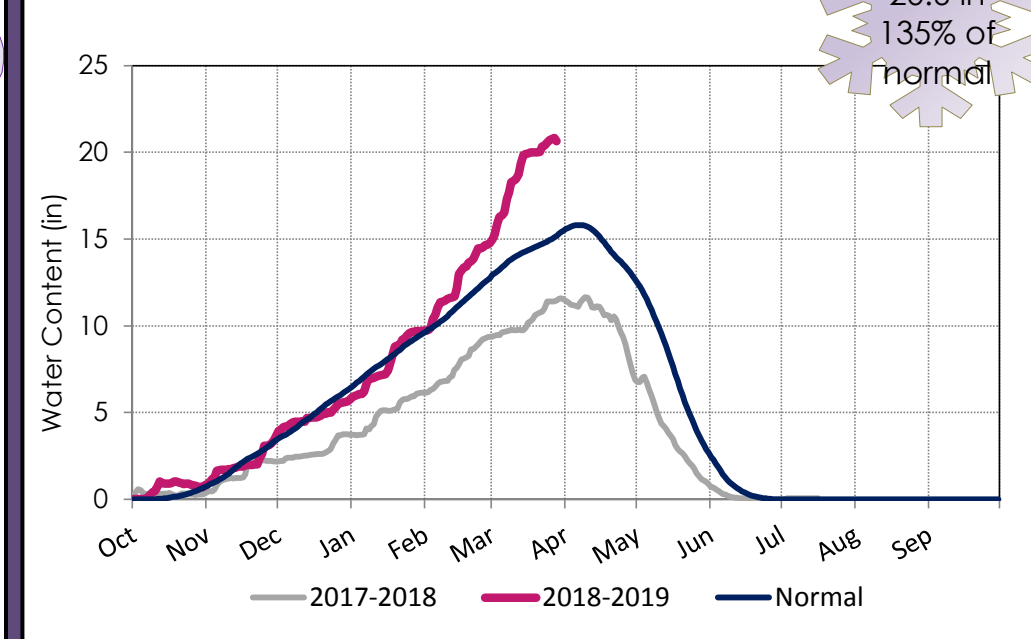
# Colorado River Resources

As of: 03/27/2019

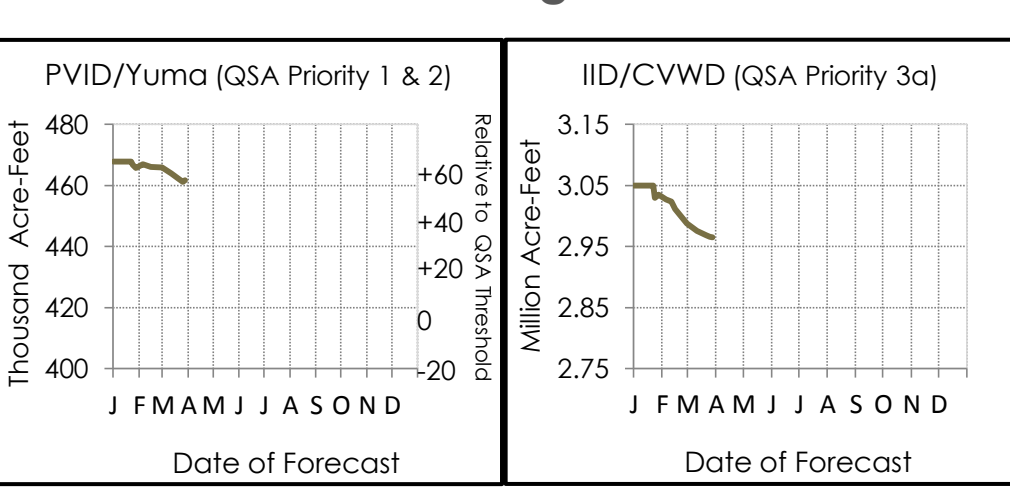
## Upper Colorado Basin Precip



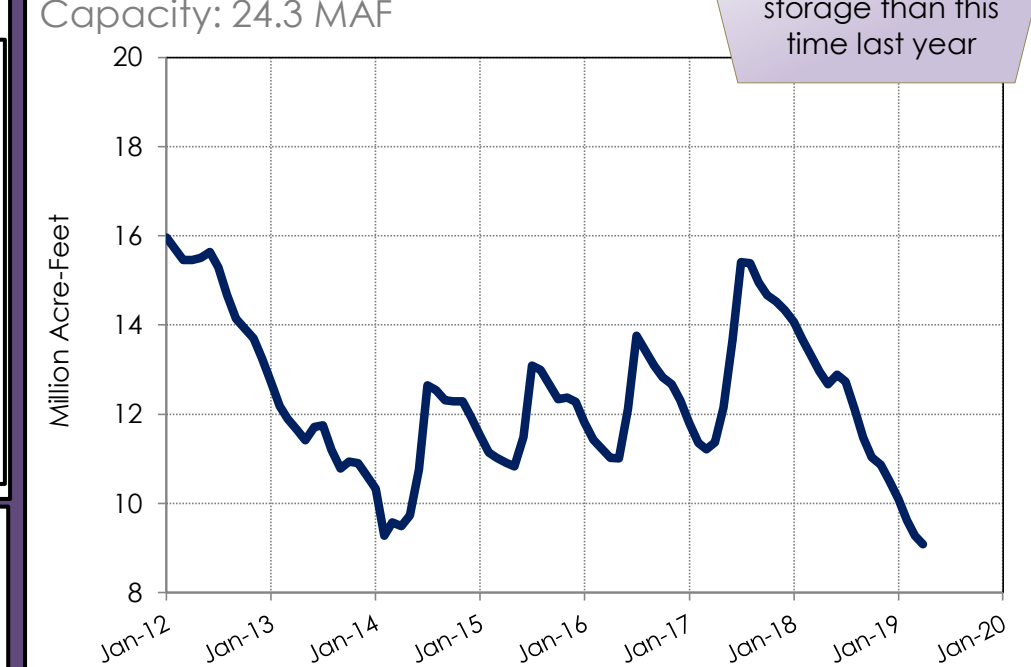
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



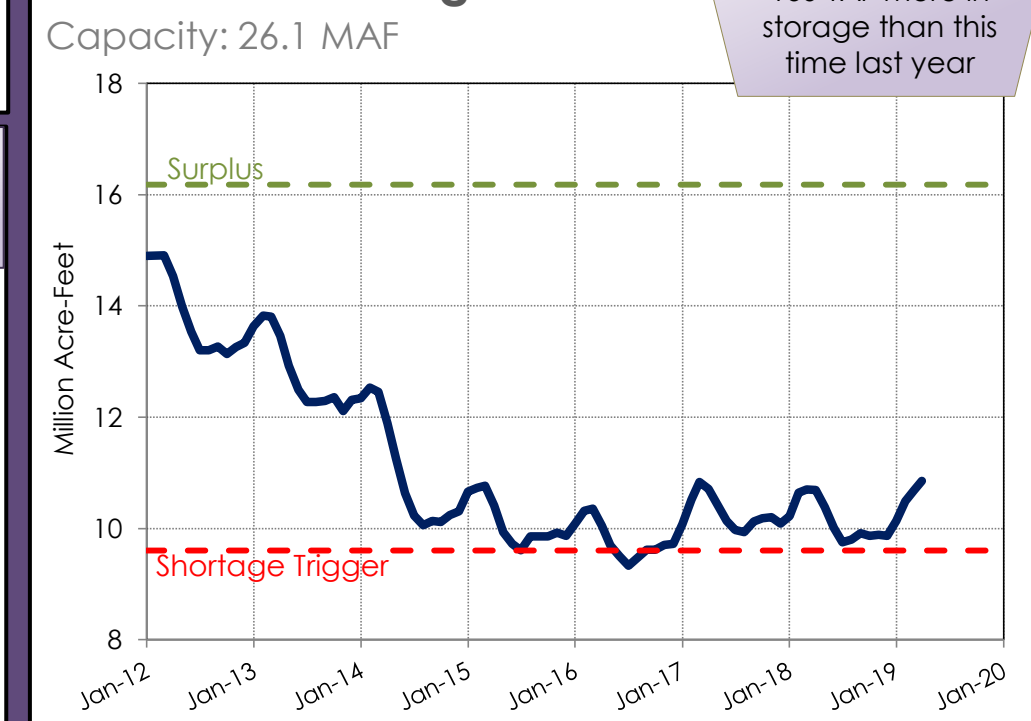
## Lake Powell Storage



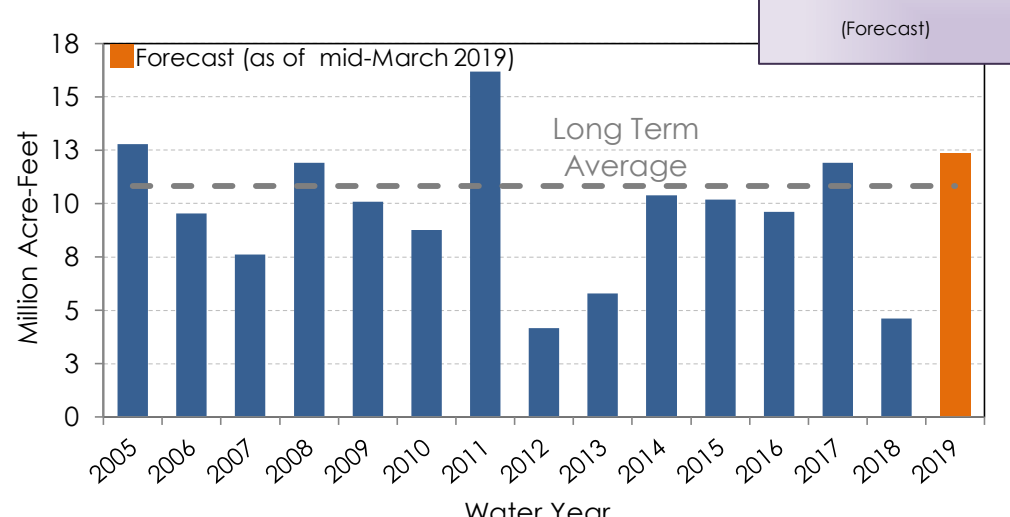
## Lake Mead Shortage/Surplus Outlook

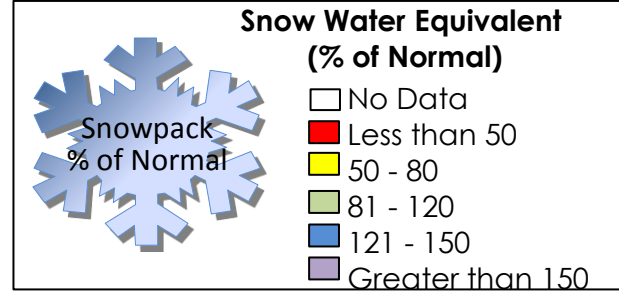
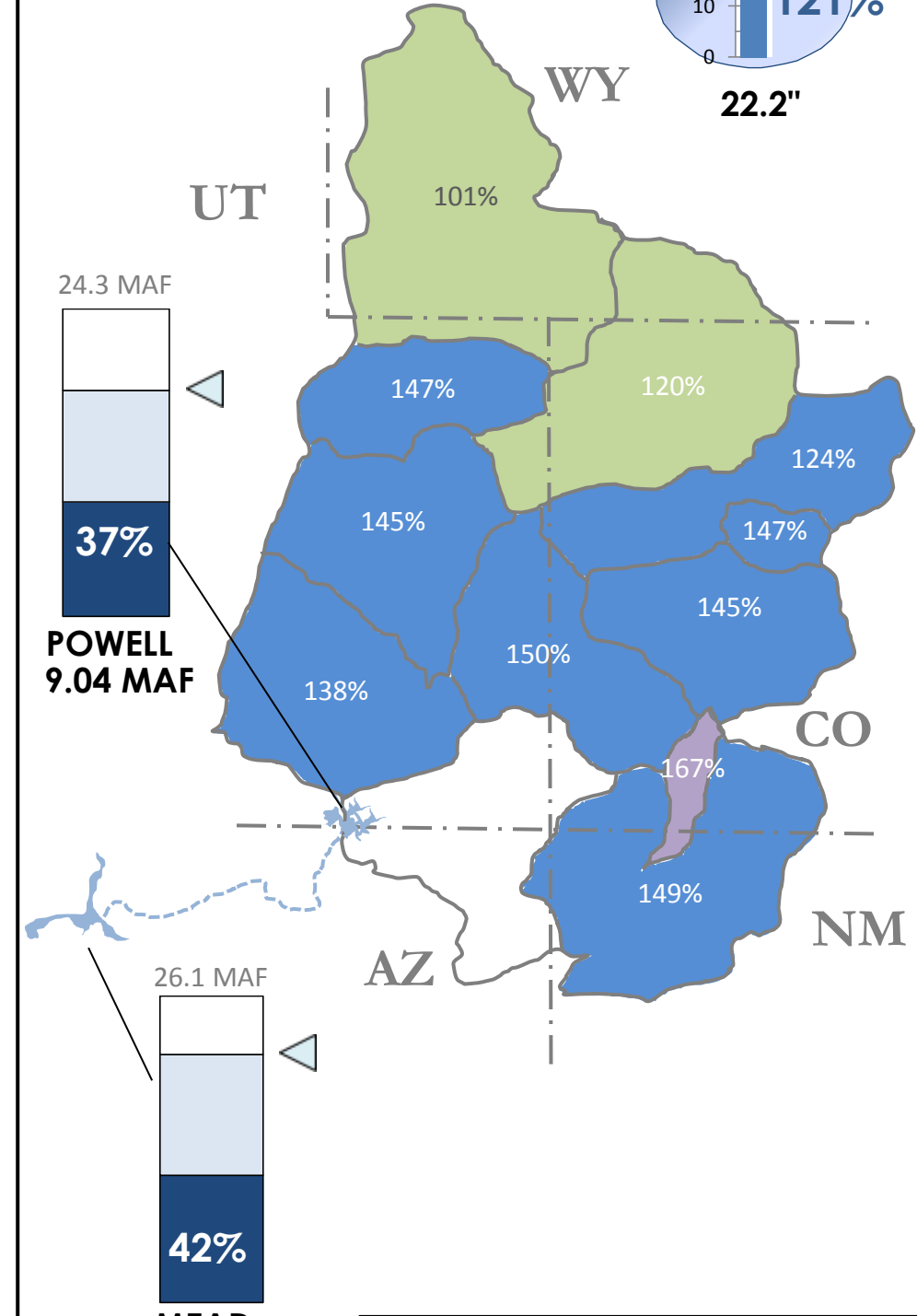
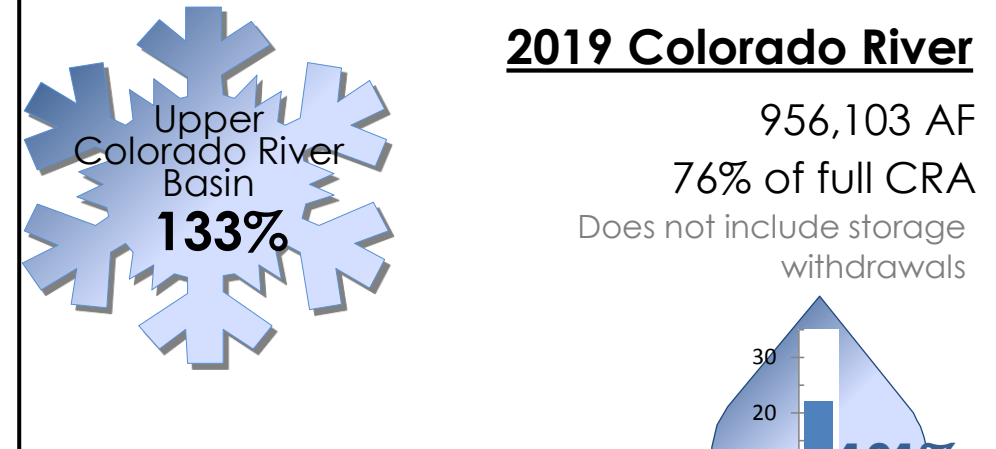
This table will be updated once Reclamation publishes the next 24-month study in April 2019.

## Lake Mead Storage



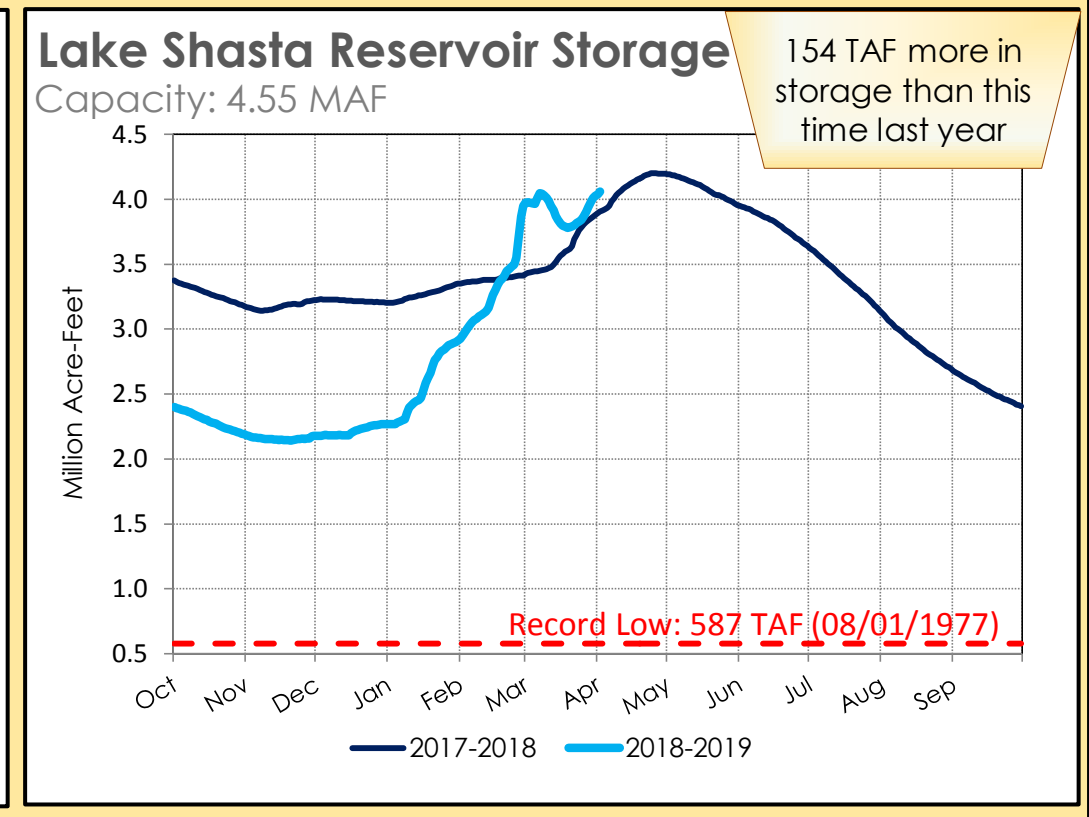
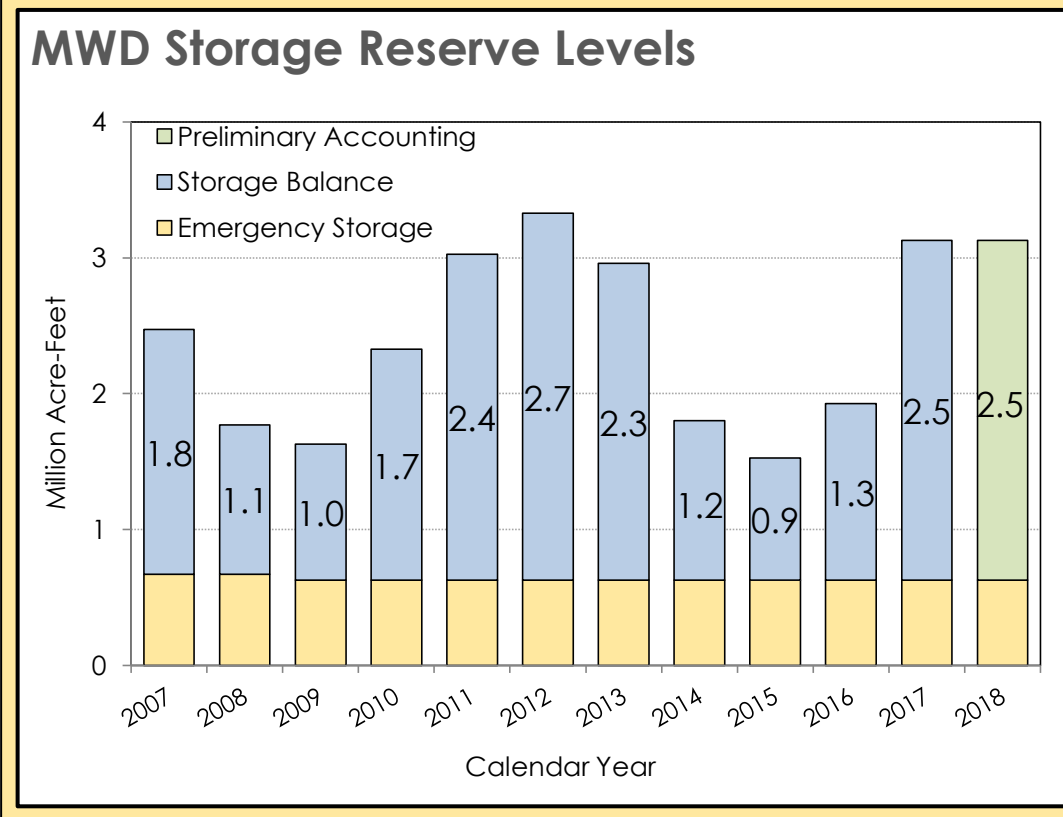
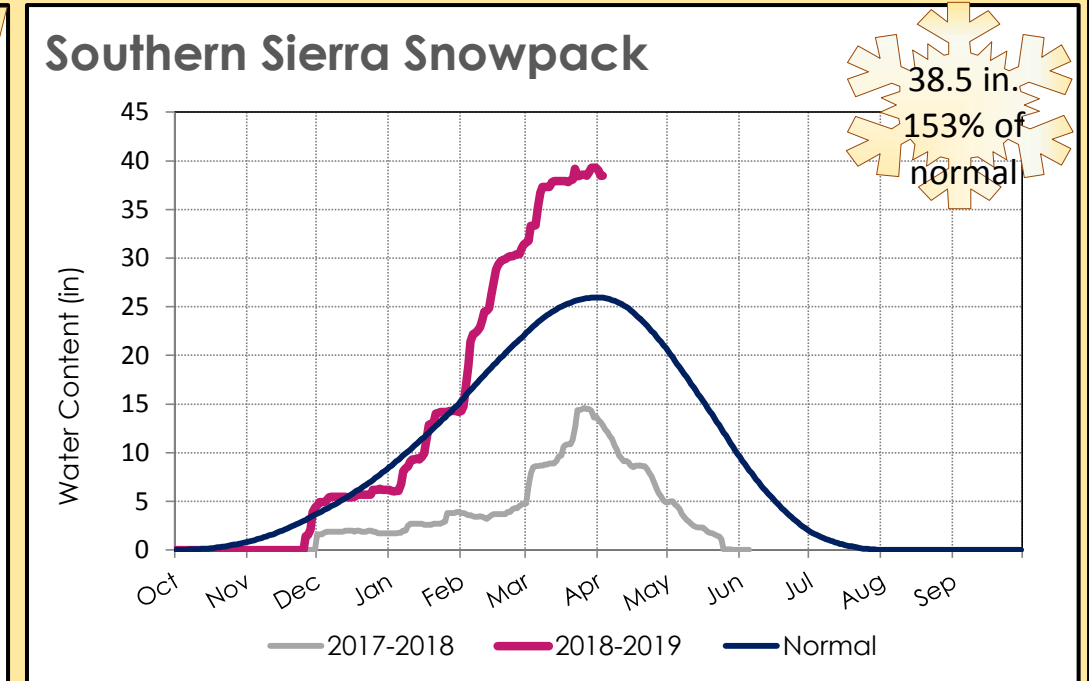
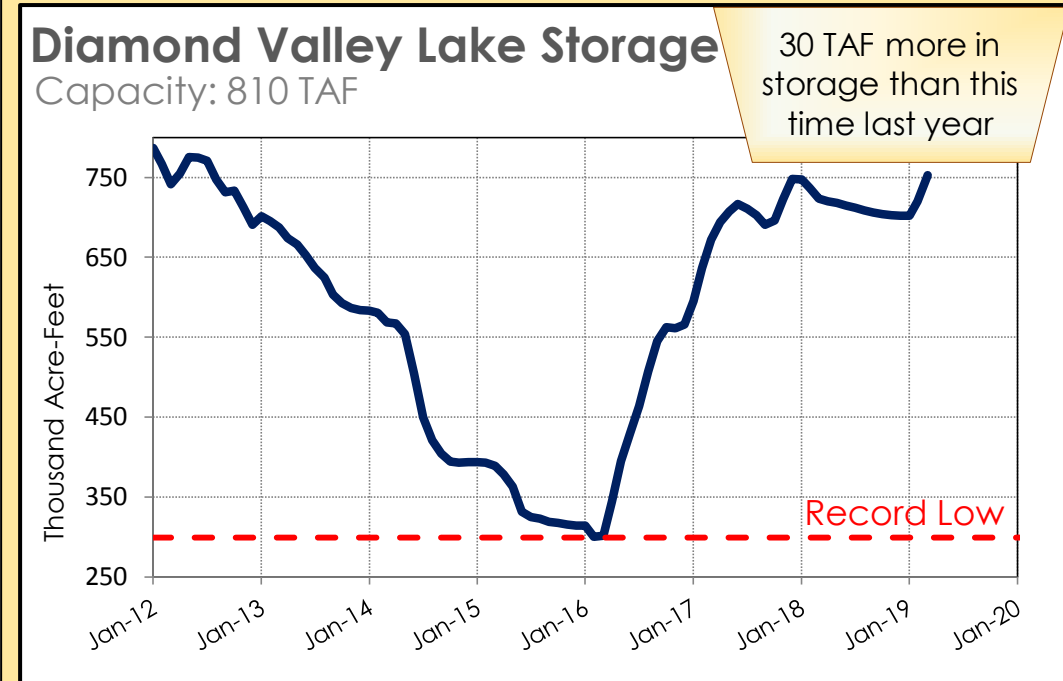
## Powell Unregulated Inflow





**Highlights**

- Oroville storage levels continue to gain and it is at the flood control boundary trigger
- San Luis Reservoir is at capacity
- Northern Sierra snowpack is at 165% of normal
- Upper Colorado River Basin snowpack is at 133% of normal



**2019 SWP Allocation**

1,338,050 AF  
70% of Table A

Statewide **162%**

**OROVILLE 2.87 MAF** **81%**  
8 STA: 58.1" **133%**

**SAN LUIS TOT: 2.02 MAF SWP: 1058 TAF** **99%**  
5 STA: 42.5" **153%**

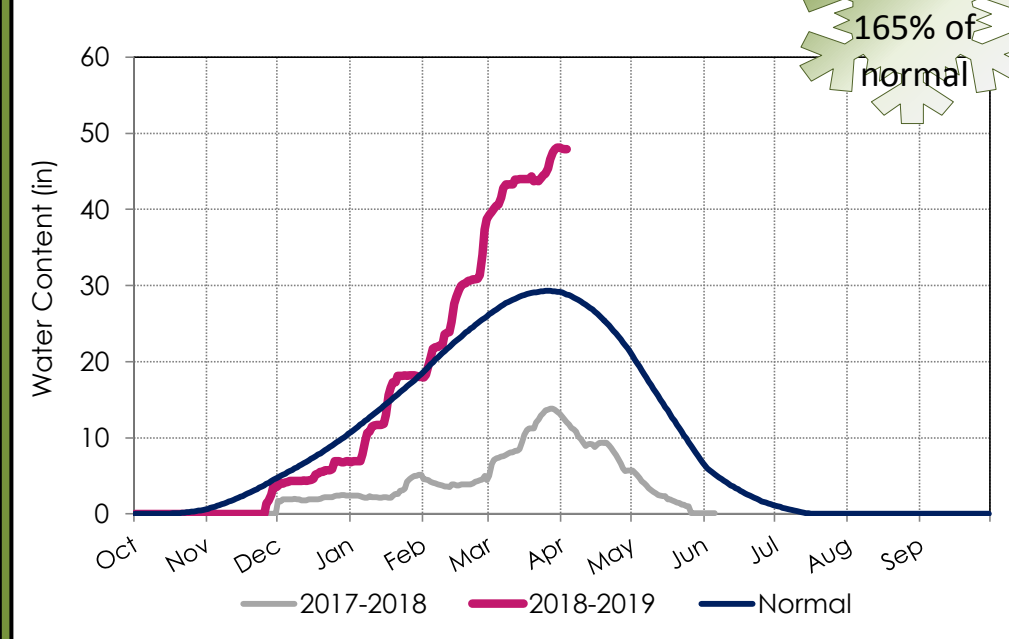
**CASTAIC 283 TAF** **87%**  
LA: 17.9" **133%**

**DVL 753 TAF** **93%**  
SD: 11.9" **126%**

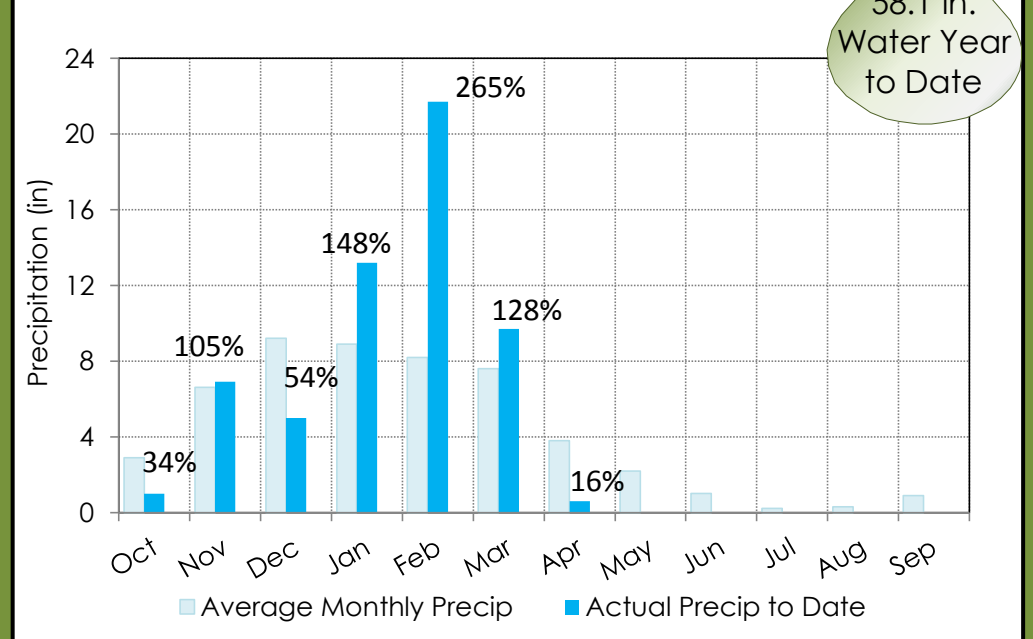
As of: 04/02/2019

# State Water Project Resources

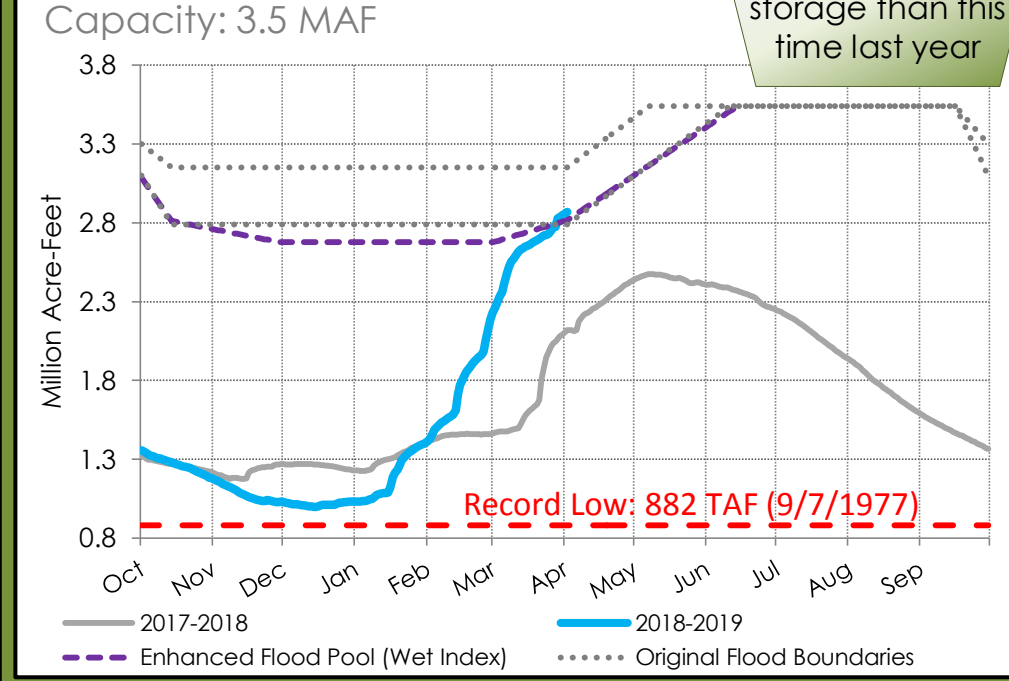
## Northern Sierra Snowpack



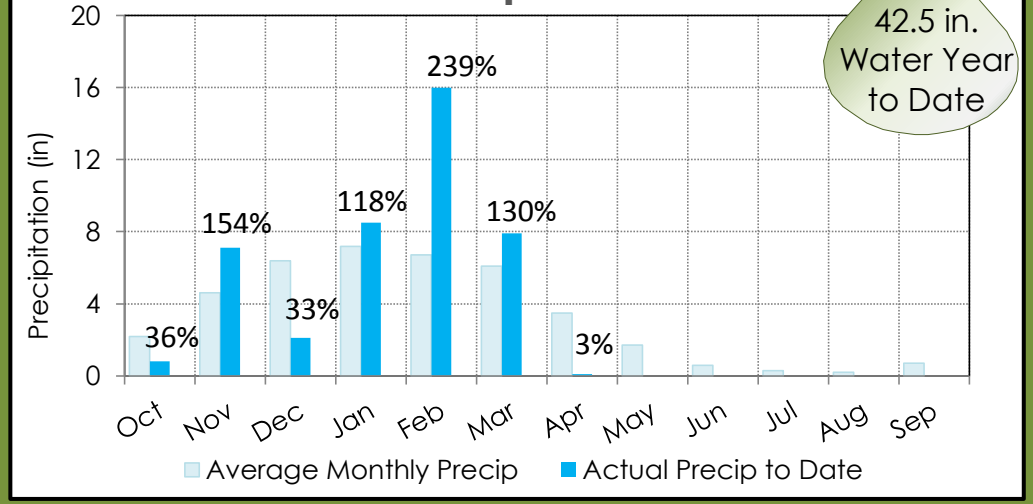
## 8 Station Index Precip



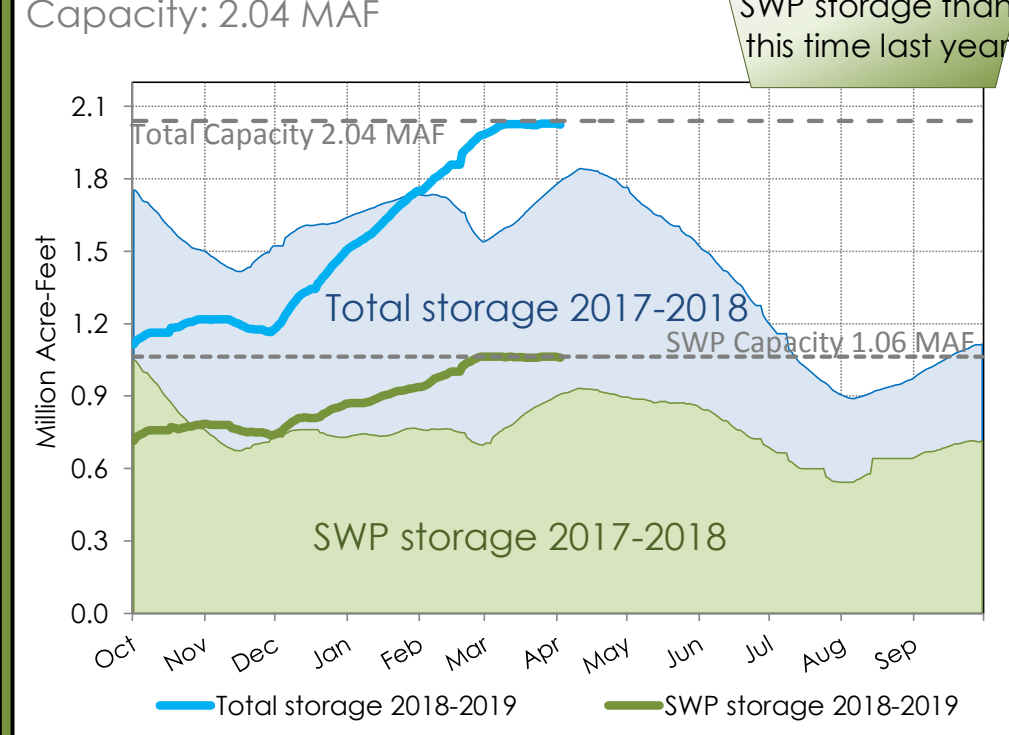
## Oroville Reservoir Storage



## 5 Station Index Precip



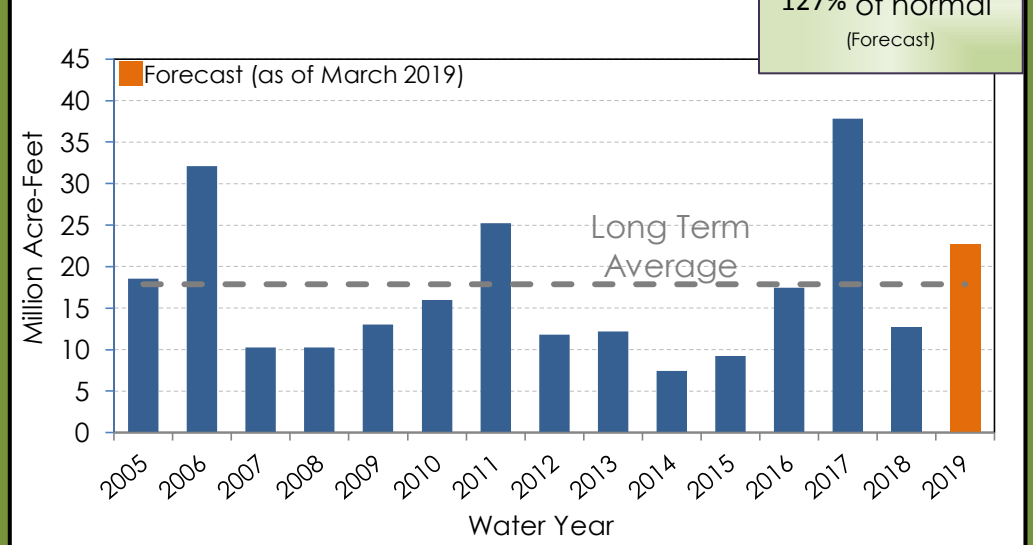
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	60,000
Carryover	94,000

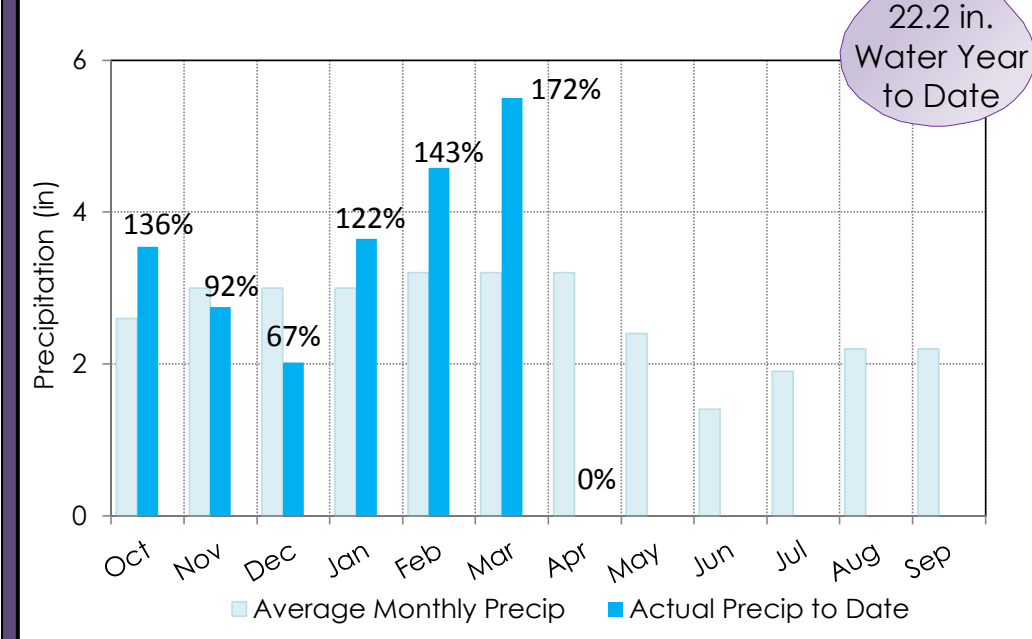
## Sacramento River Runoff



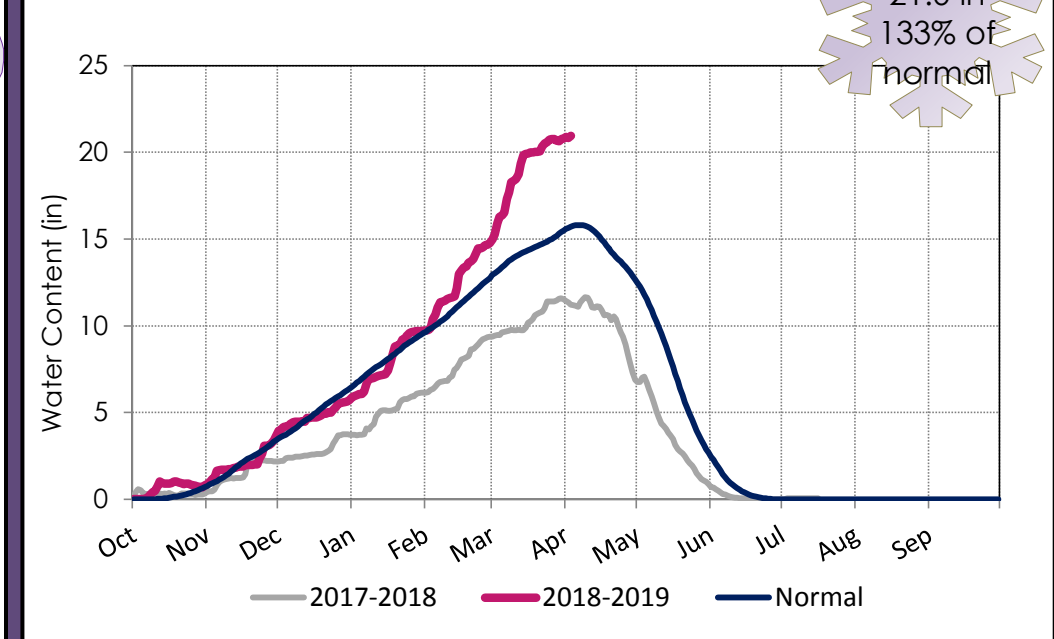
# Colorado River Resources

As of: 04/02/2019

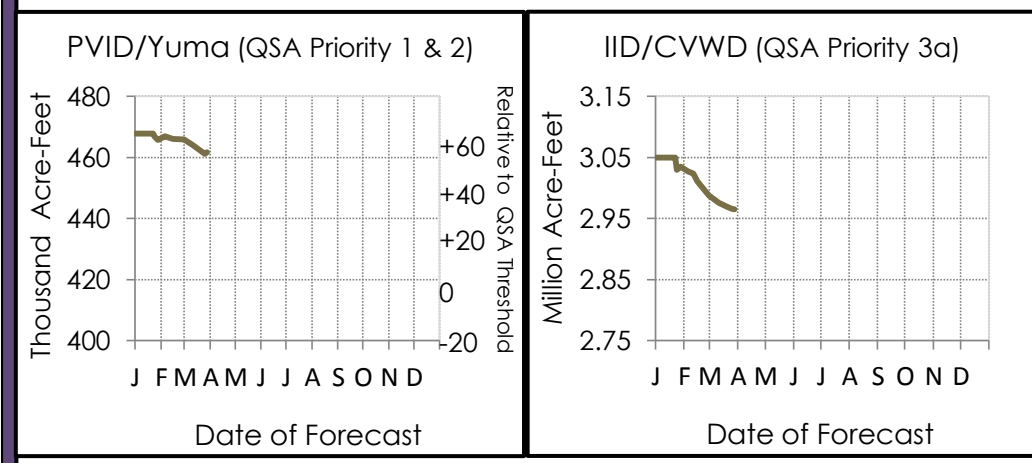
## Upper Colorado Basin Precip



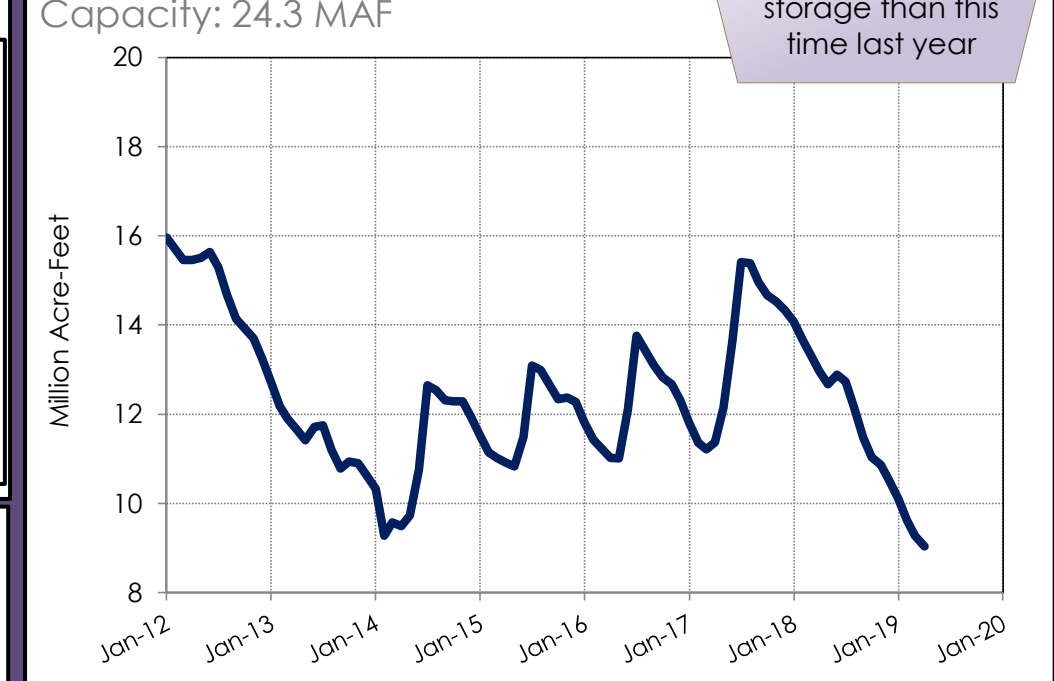
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



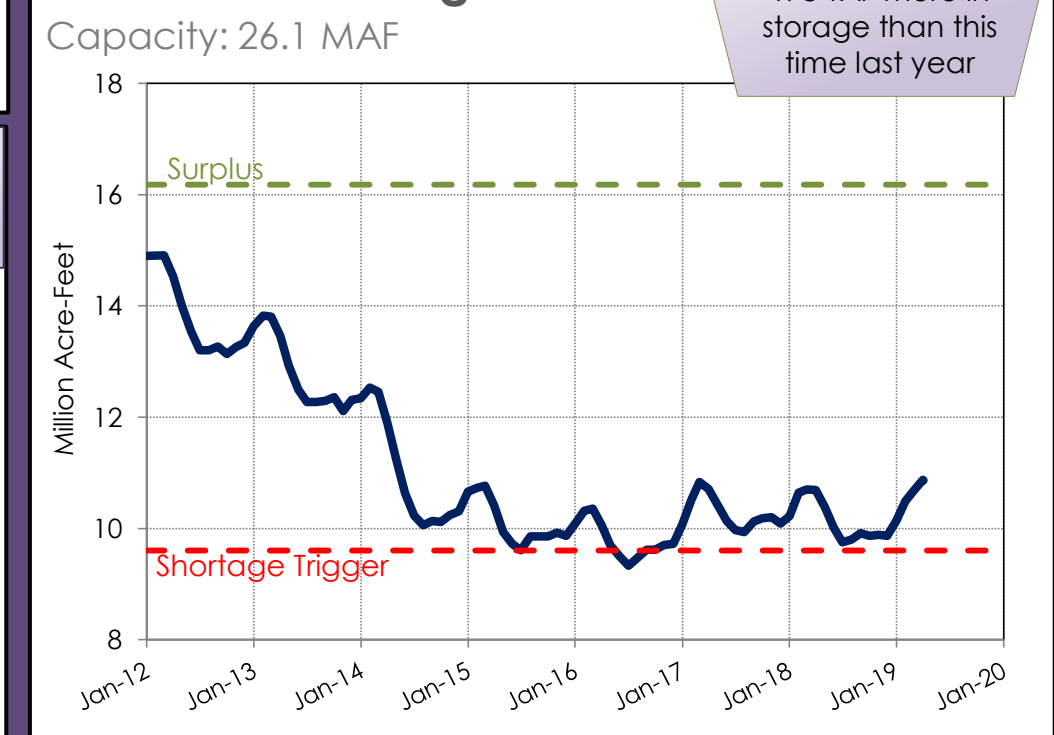
## Lake Powell Storage



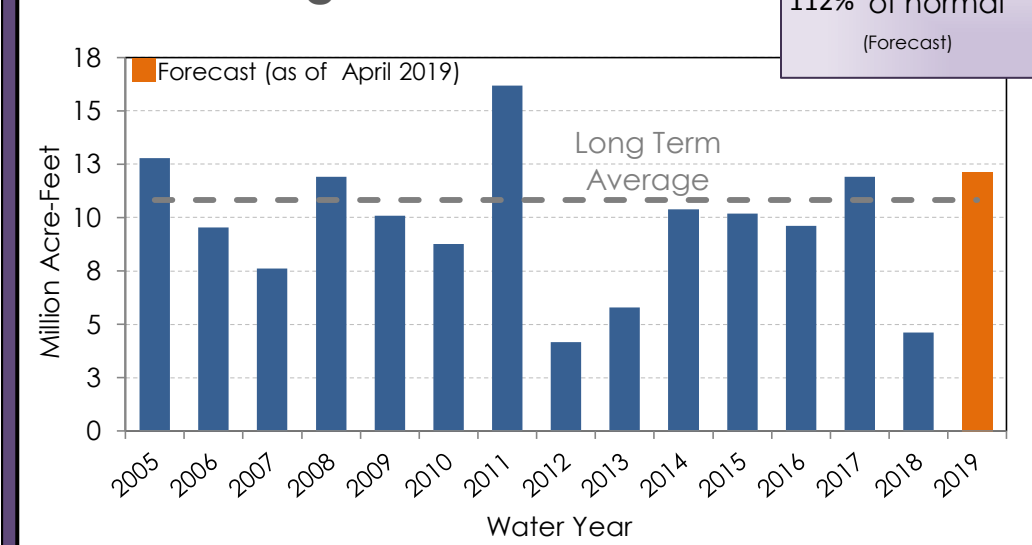
## Lake Mead Shortage/Surplus Outlook

This table will be updated once Reclamation publishes the next 24-month study in April 2019.

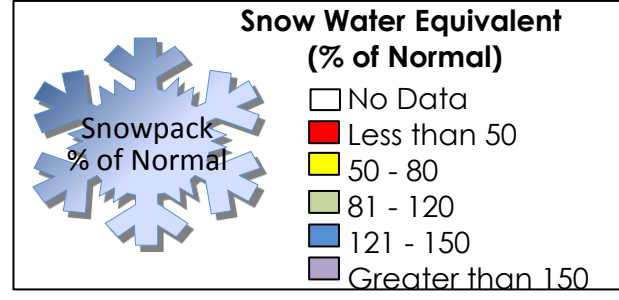
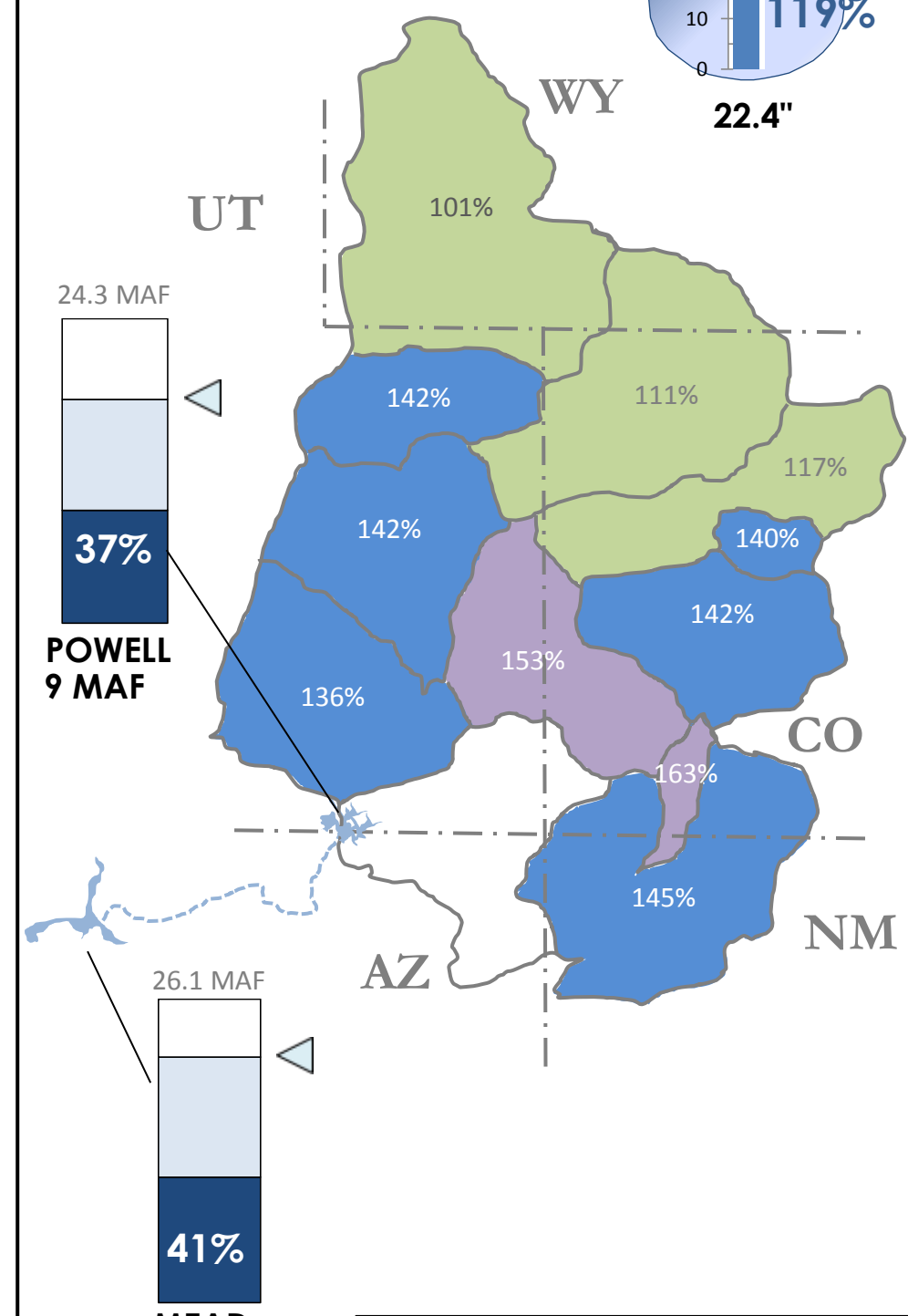
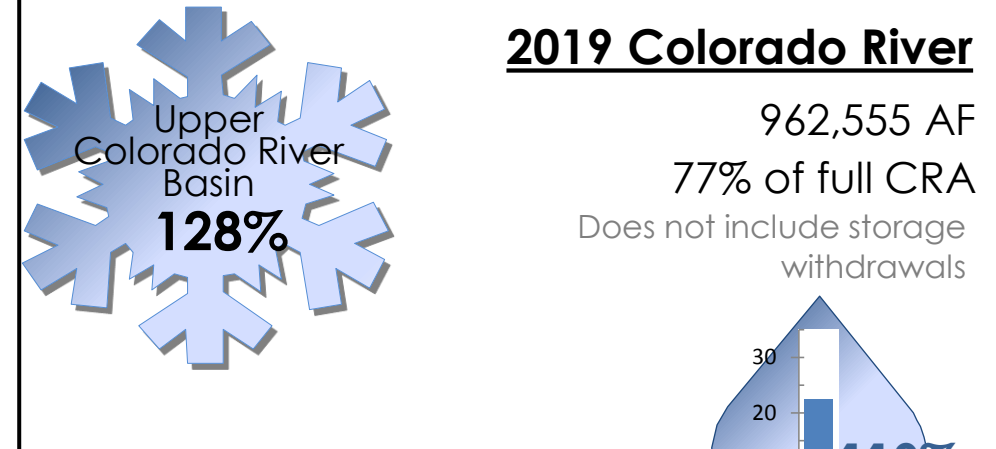
## Lake Mead Storage



## Powell Unregulated Inflow

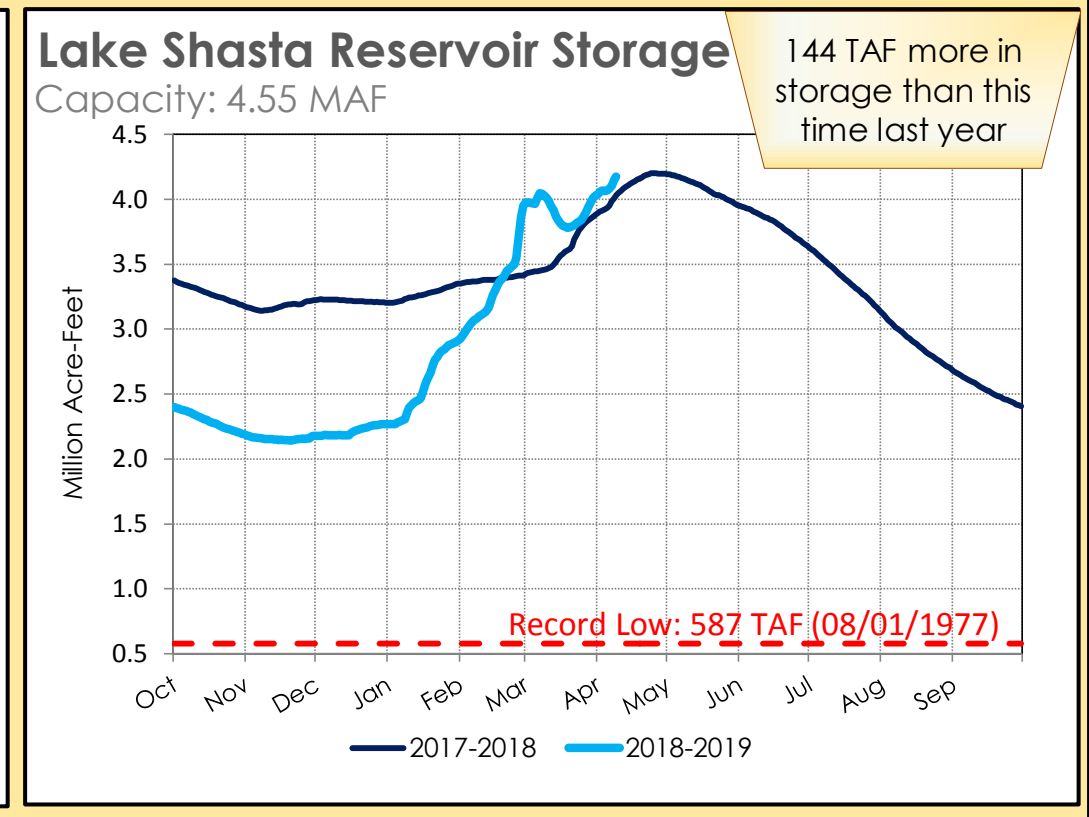
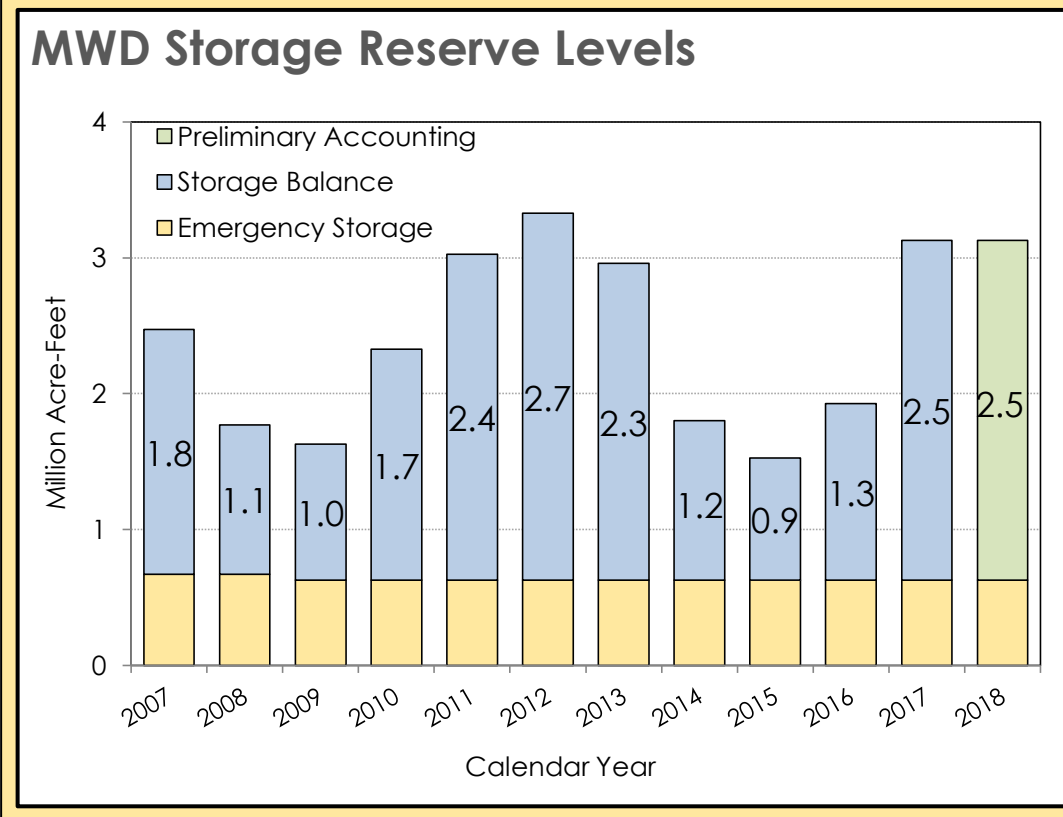
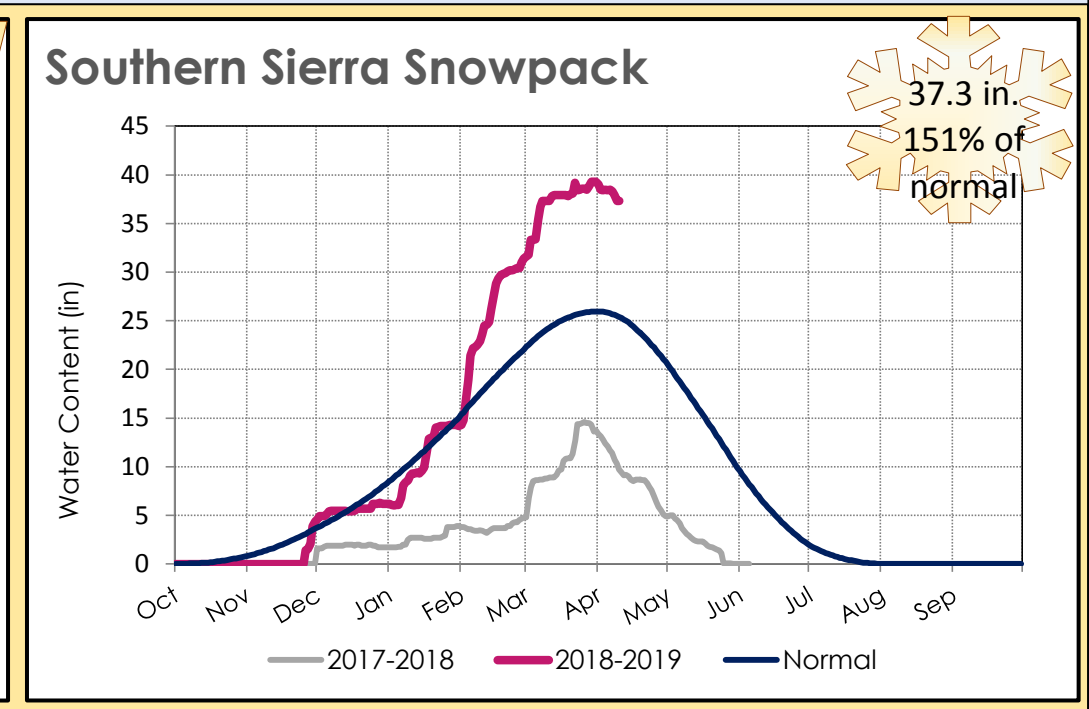
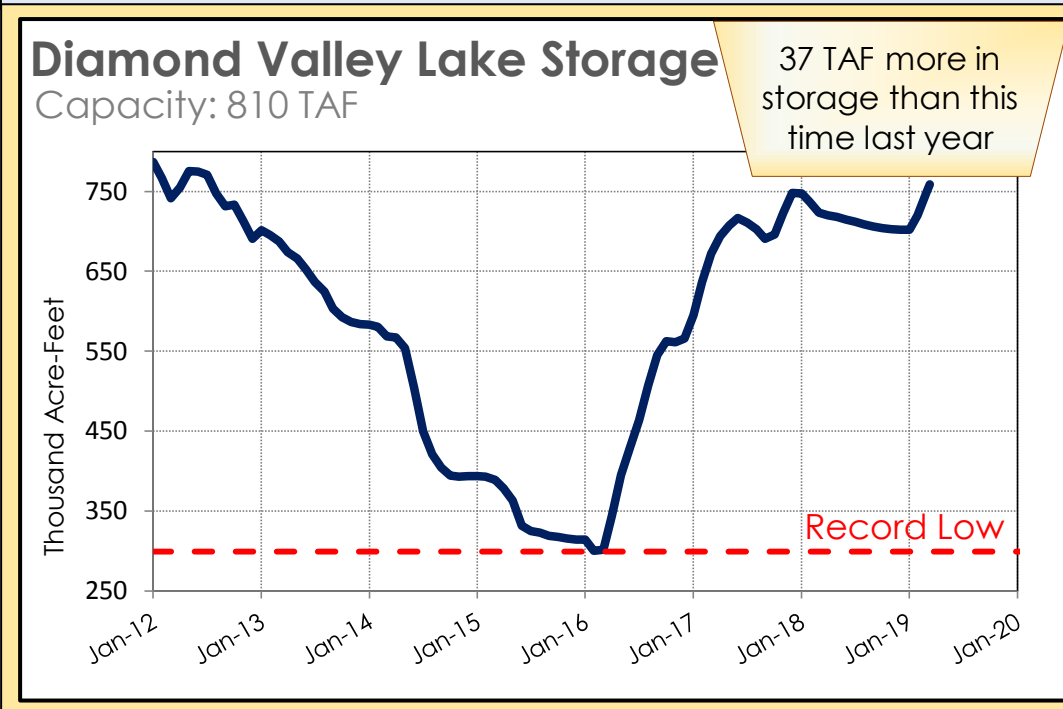






### Highlights

- Oroville storage levels continue to gain and it is at the flood control boundary trigger
- San Luis Reservoir is at capacity
- Northern Sierra snowpack is at 165% of normal
- Upper Colorado River Basin snowpack is at 128% of normal



**2019 SWP Allocation**  
1,338,050 AF  
70% of Table A  
Statewide **161%**

**OROVILLE** 2.89 MAF  
82%  
8 STA: 60.6"  
136%  
165%

**SAN LUIS** TOT: 1.99 MAF  
SWP: 1027 TAF  
98%  
5 STA: 43.3"  
127%  
151%

**CASTAIC** 287 TAF  
88%  
LA: 17.9"  
131%  
SD: 11.9"  
124%

**DVL** 759 TAF  
94%  
810 TAF

WY Avg  
% Normal WY to Date  
Rainfall to Date (in)

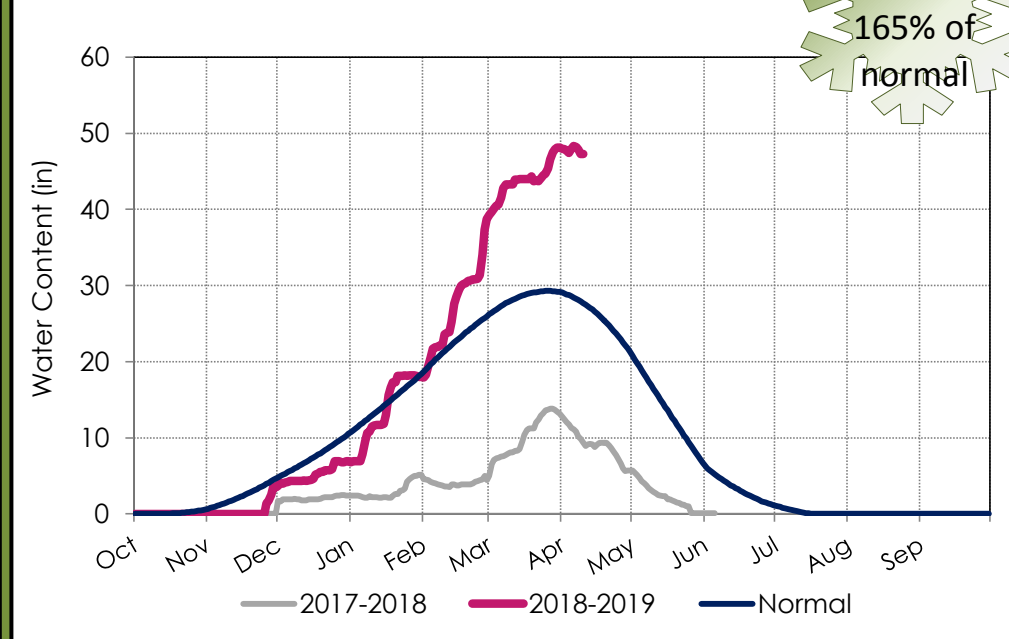
Capacity  
Average EOM  
Current Storage (% Capacity)

Flip Over for CRA Data      Turn page for more SWP Data

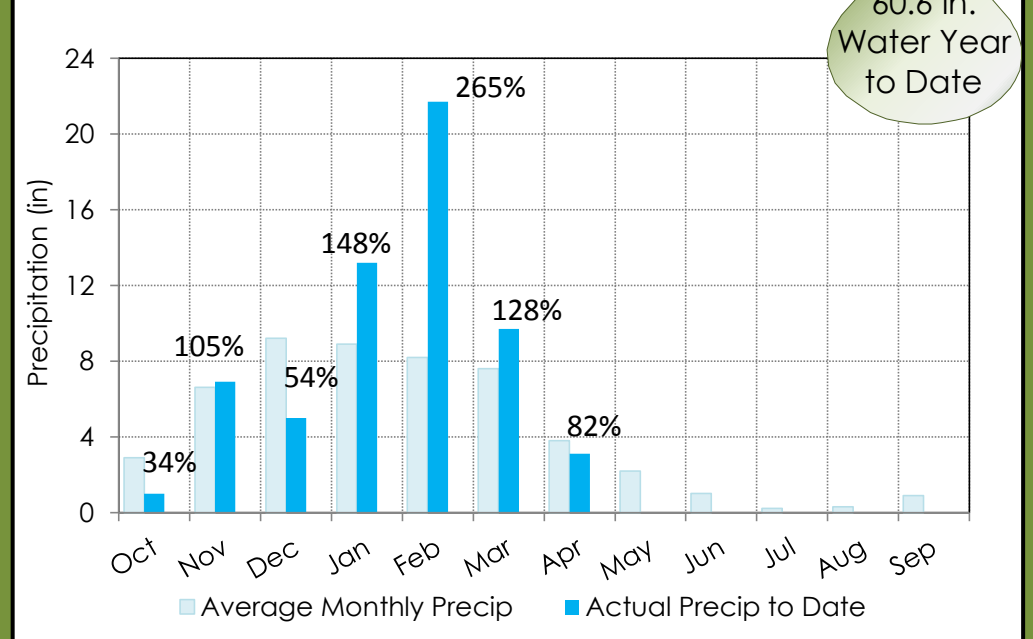
As of: 04/09/2019

# State Water Project Resources

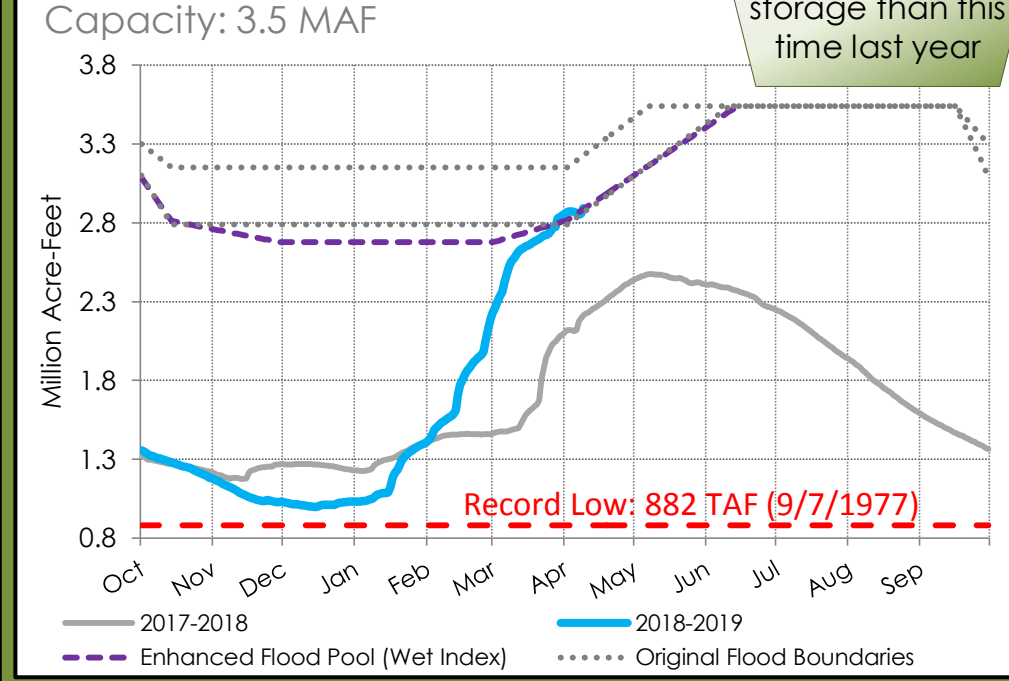
## Northern Sierra Snowpack



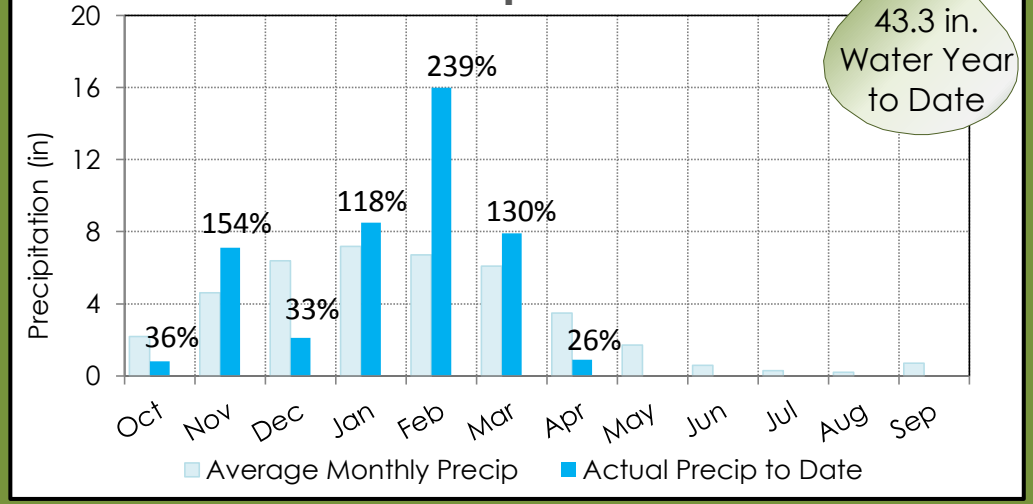
## 8 Station Index Precip



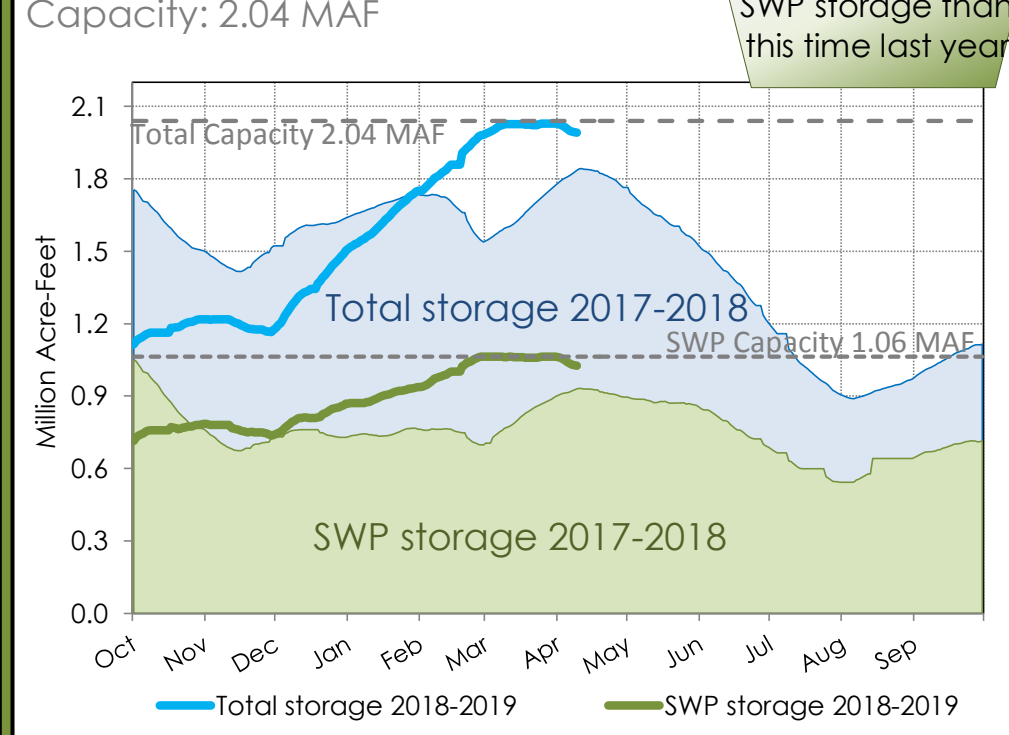
## Oroville Reservoir Storage



## 5 Station Index Precip



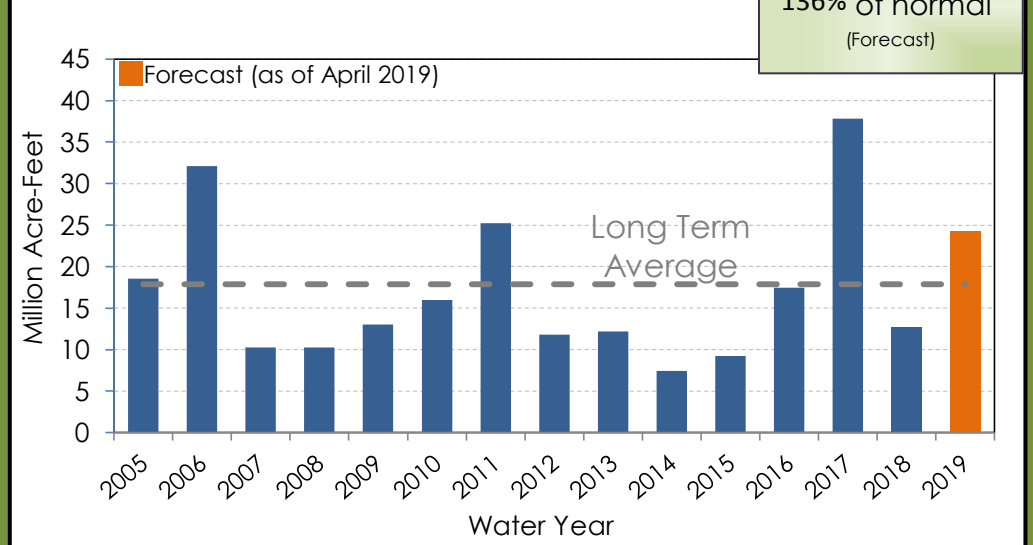
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	60,000
Carryover	94,000

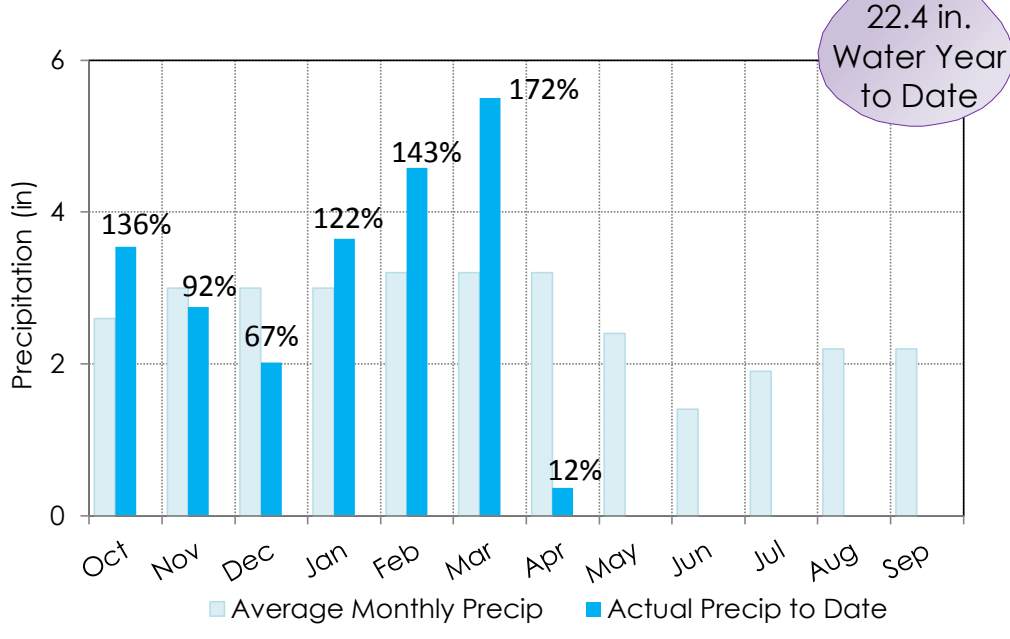
## Sacramento River Runoff



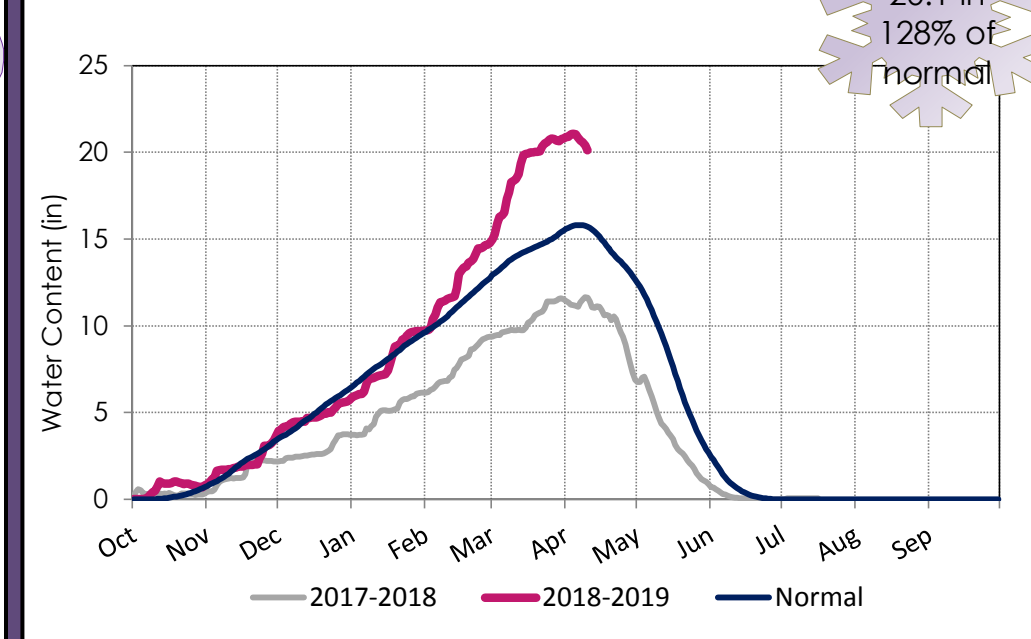
# Colorado River Resources

As of: 04/09/2019

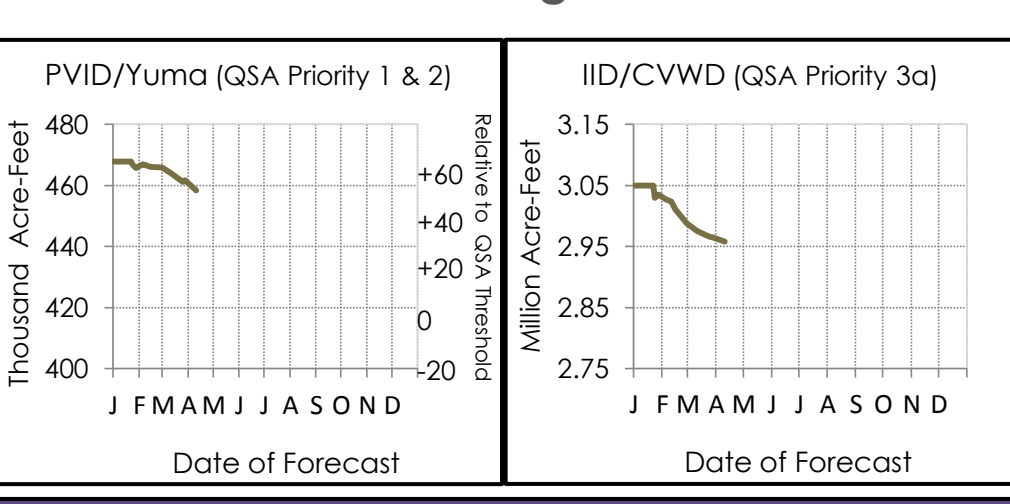
## Upper Colorado Basin Precip



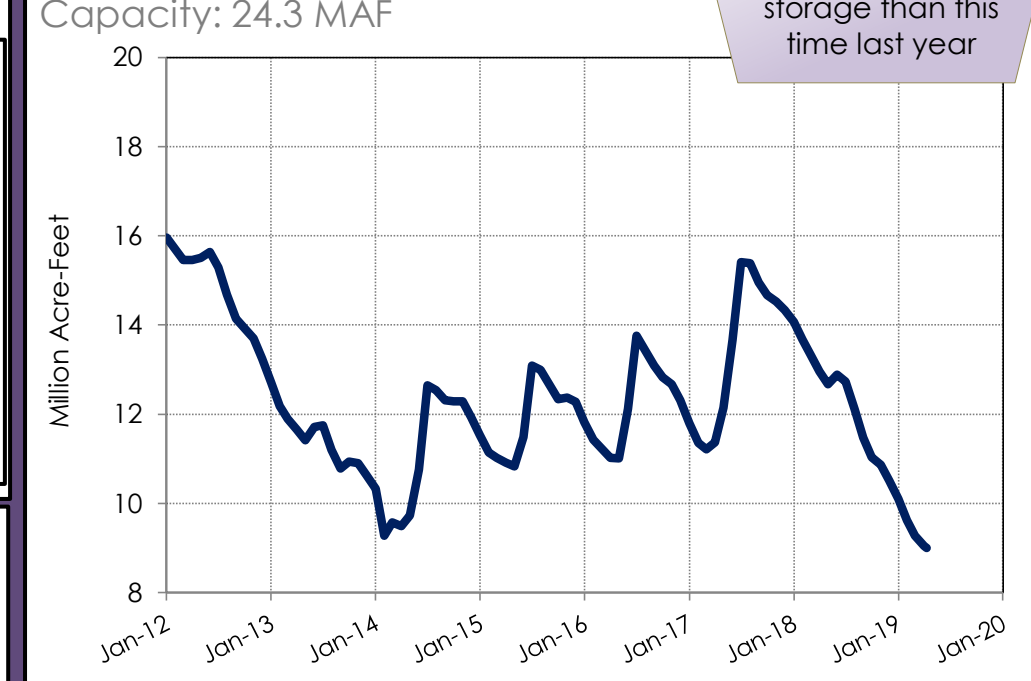
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



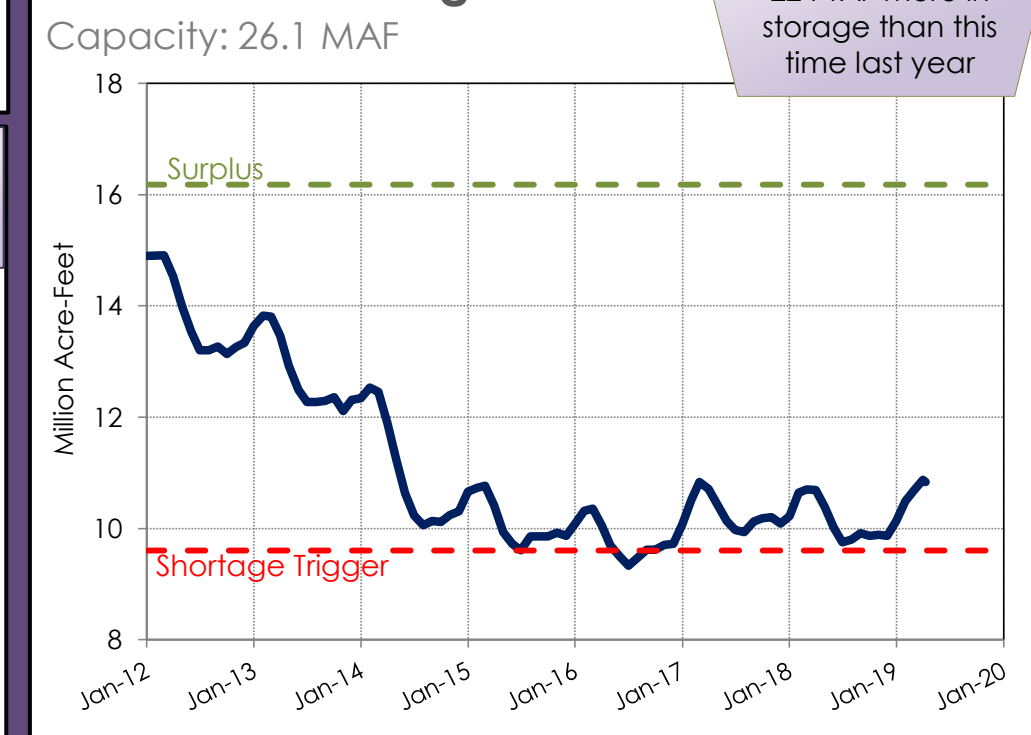
## Lake Powell Storage



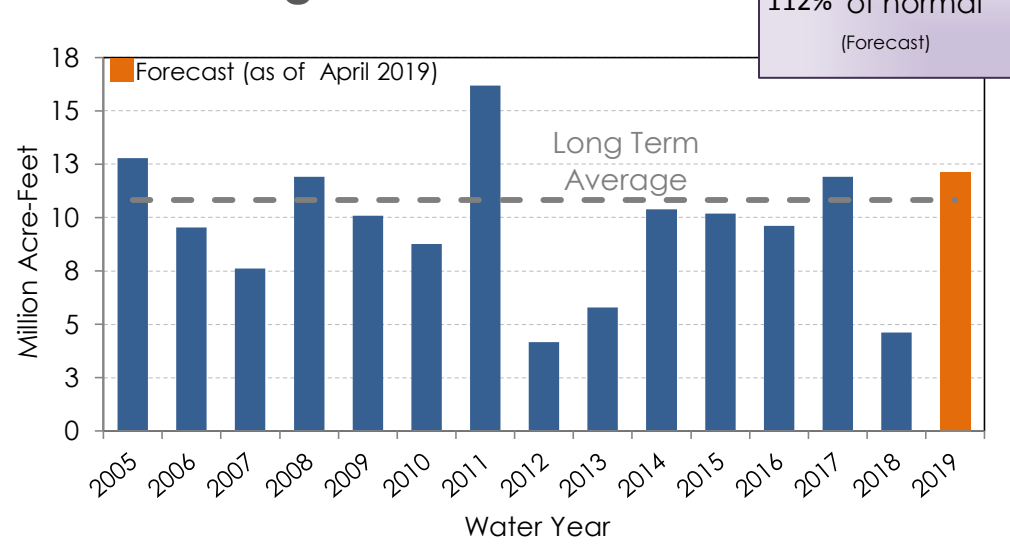
## Lake Mead Shortage/Surplus Outlook

This table will be updated once Reclamation publishes the next 24-month study in April 2019.

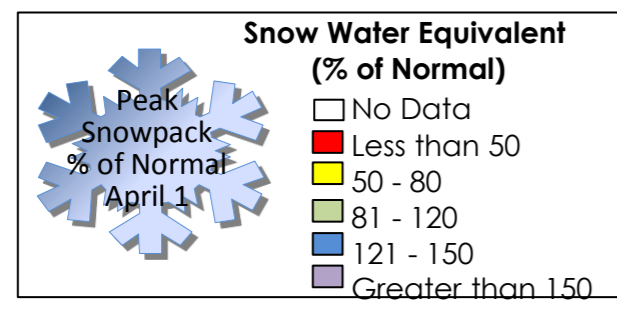
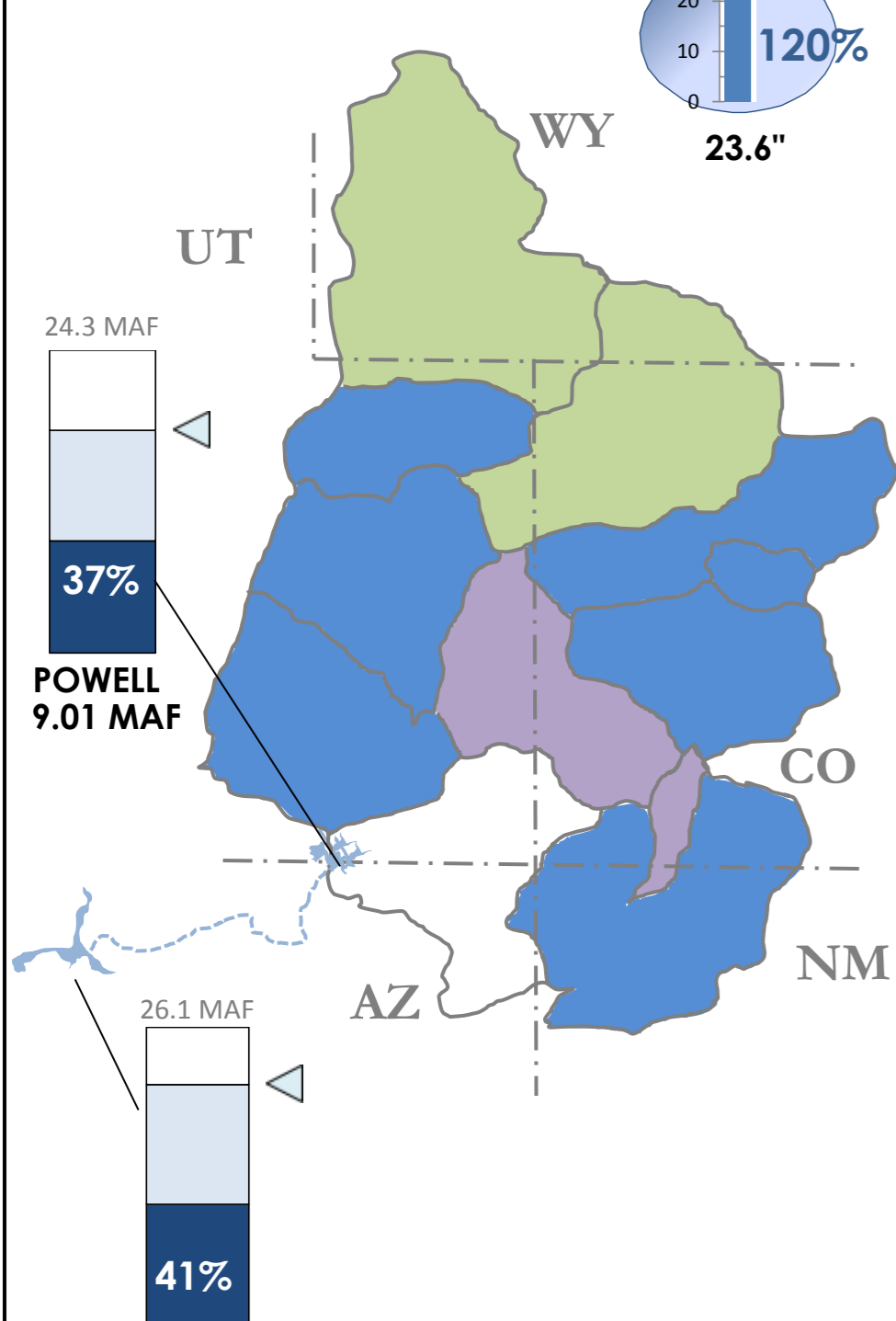
## Lake Mead Storage



## Powell Unregulated Inflow

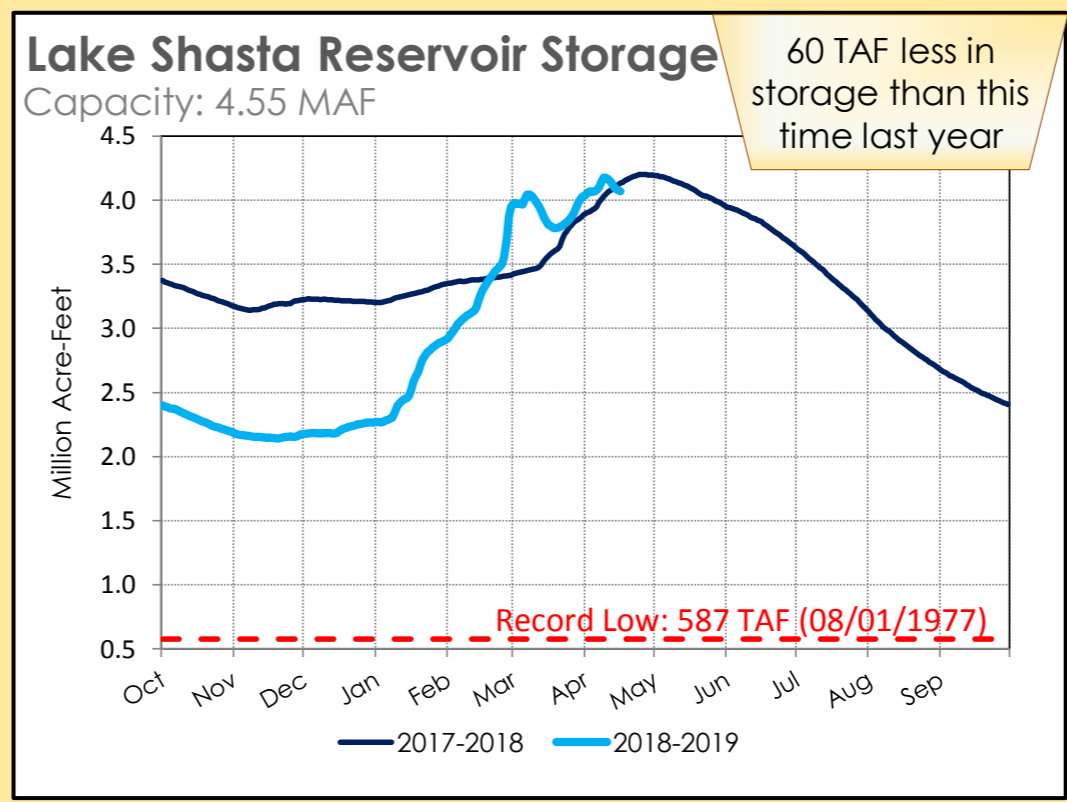
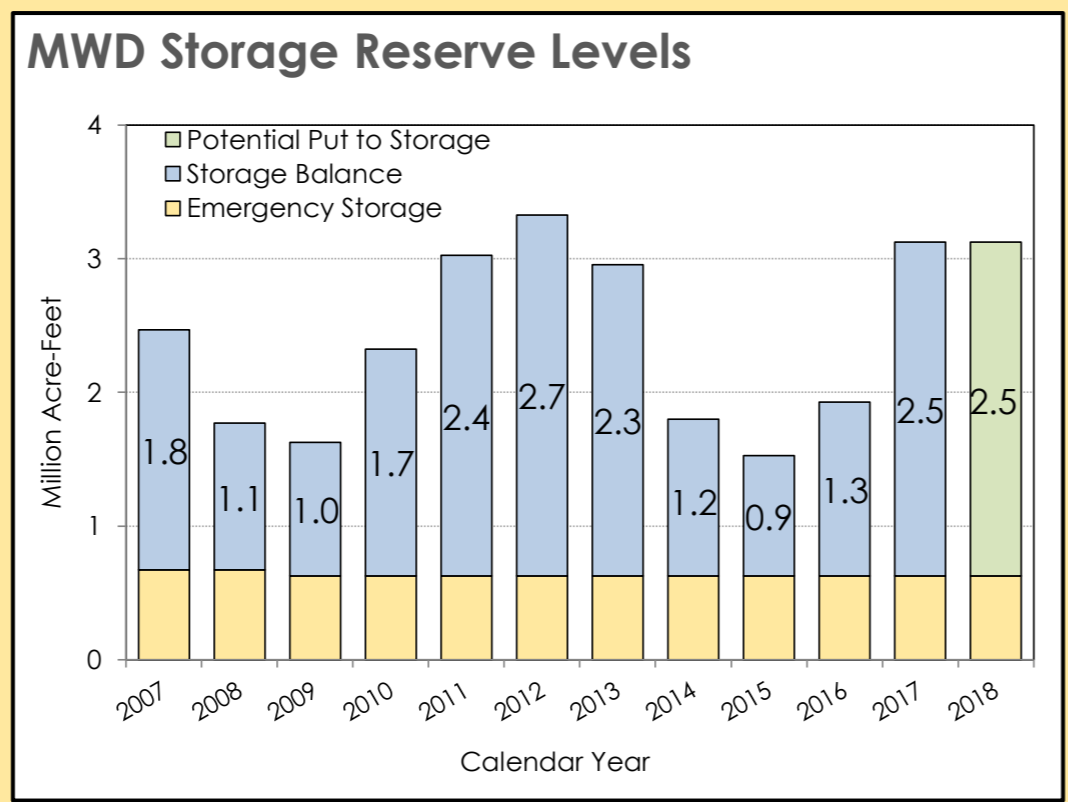
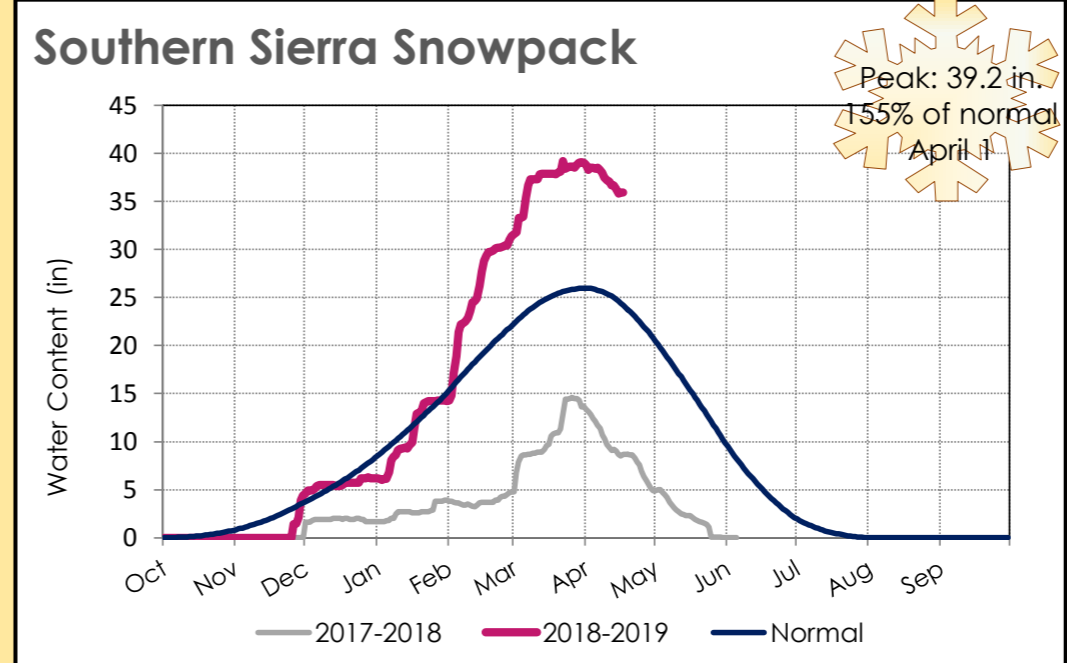
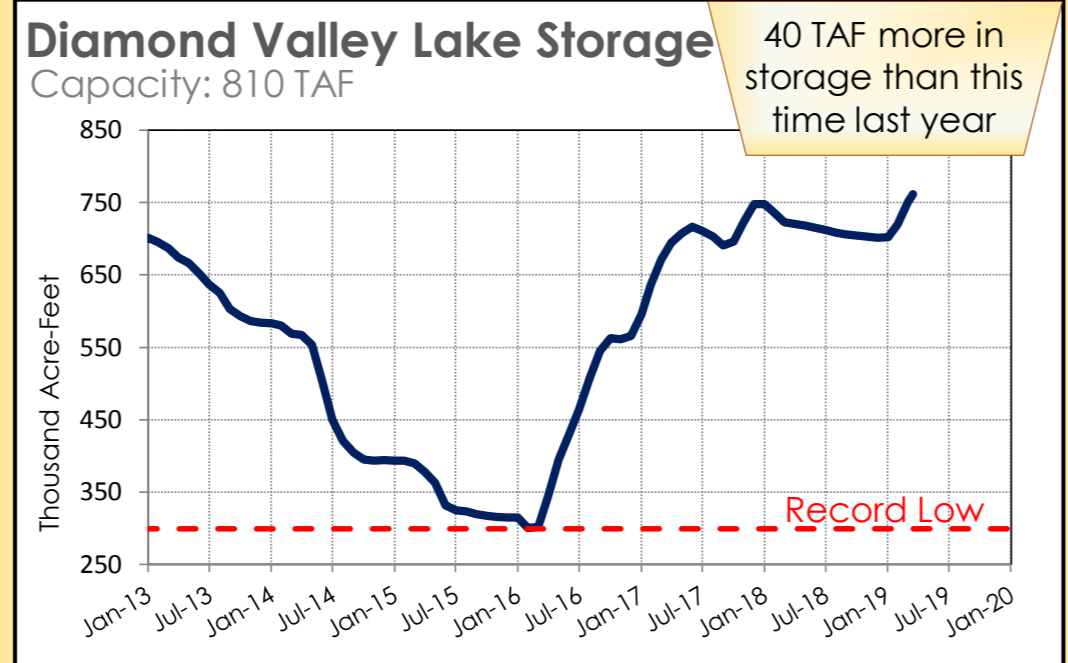


**2019 Colorado River**  
Upper Colorado River Basin  
**133%** Peak Snowpack % of Normal April 1  
962,555 AF  
77% of full CRA  
Does not include storage withdrawals

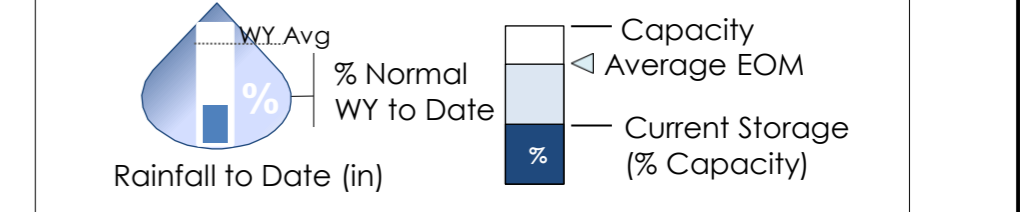
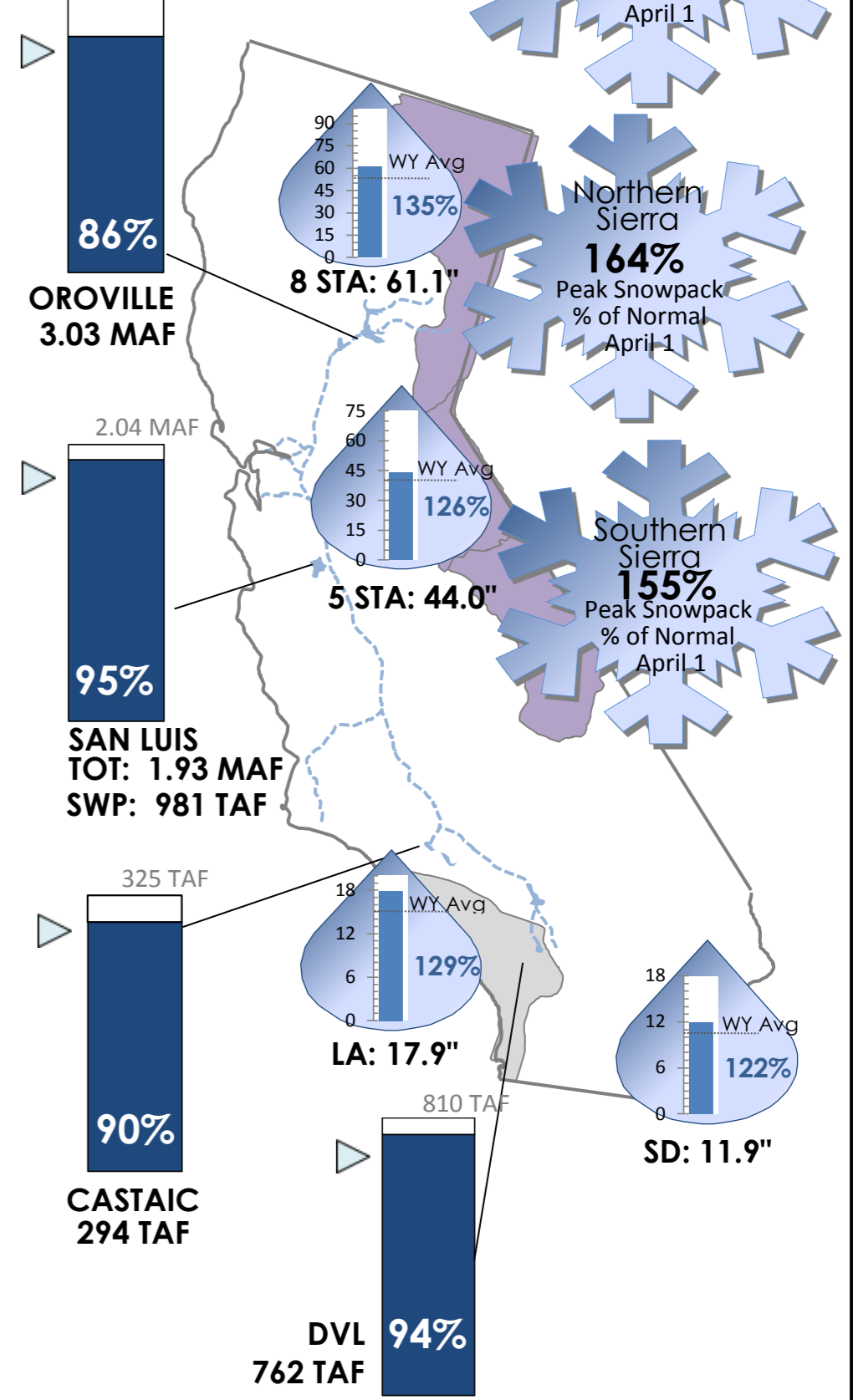


**Highlights**

- Statewide snowpack peaked at 162% of April 1 normal
- Sacramento River Runoff forecast is 136% of normal
- Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- Lake Powell inflow forecast is at 112% of normal



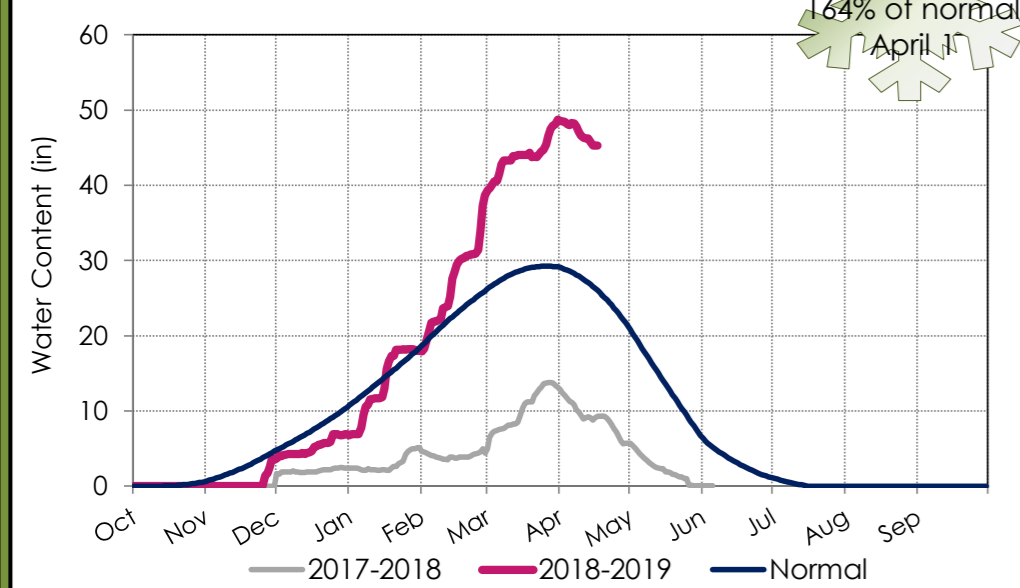
**2019 SWP Allocation**  
1,338,050 AF  
70% of Table A



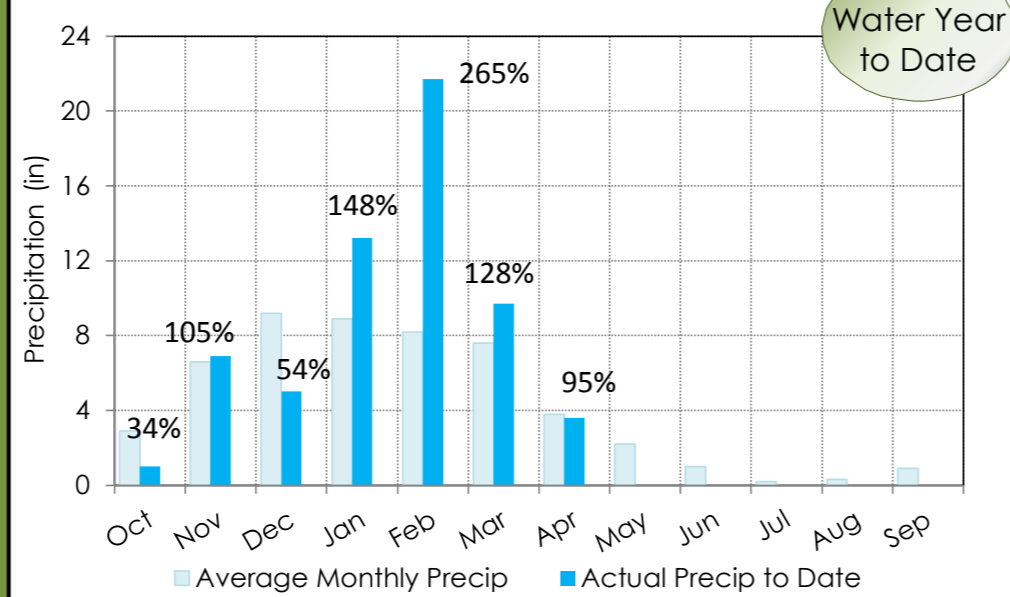
As of: 04/16/2019

# State Water Project Resources

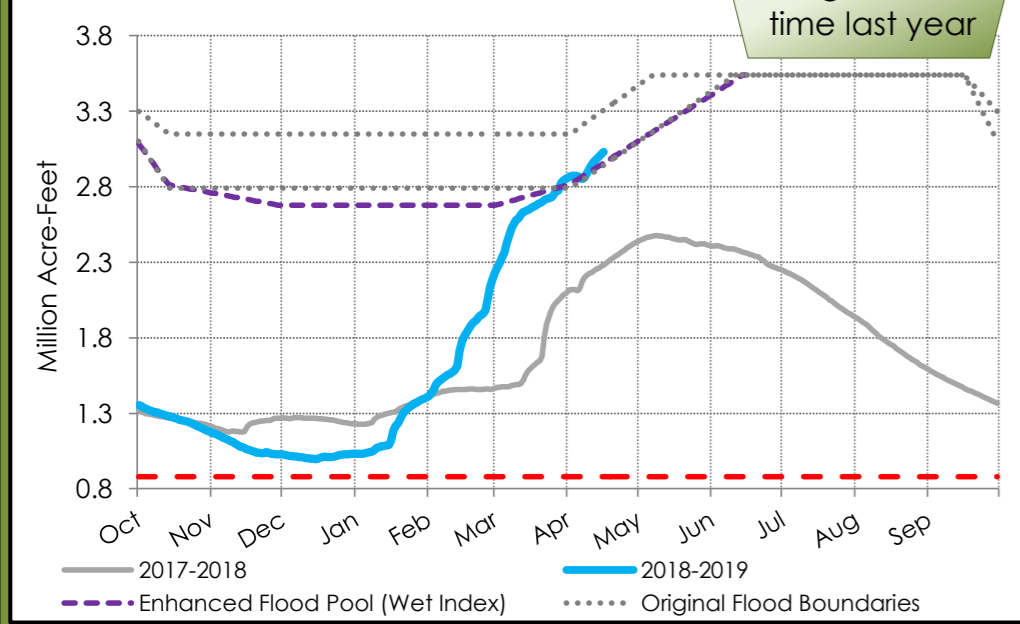
## Northern Sierra Snowpack



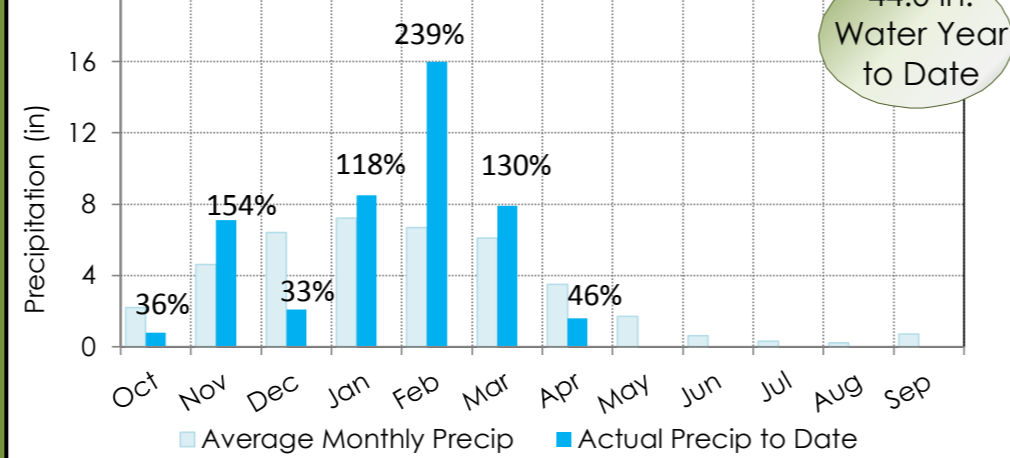
## 8 Station Index Precip



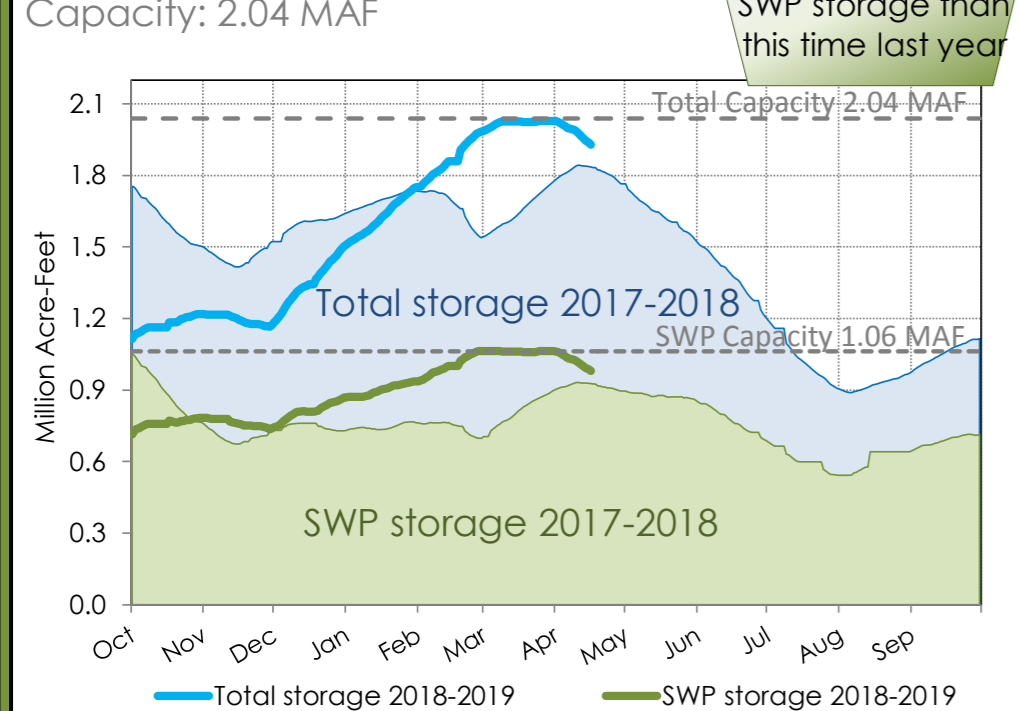
## Oroville Reservoir Storage



## 5 Station Index Precip



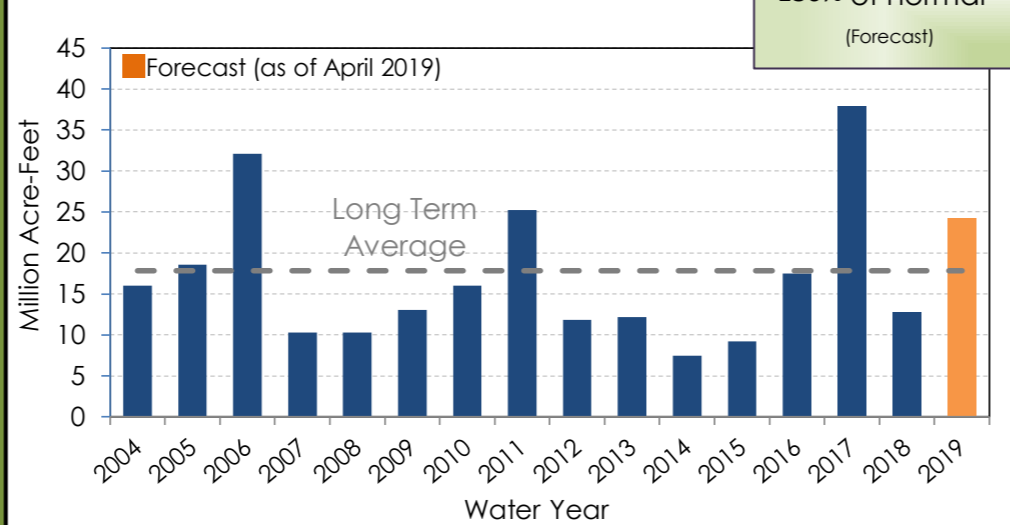
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	60,000
Carryover	94,000

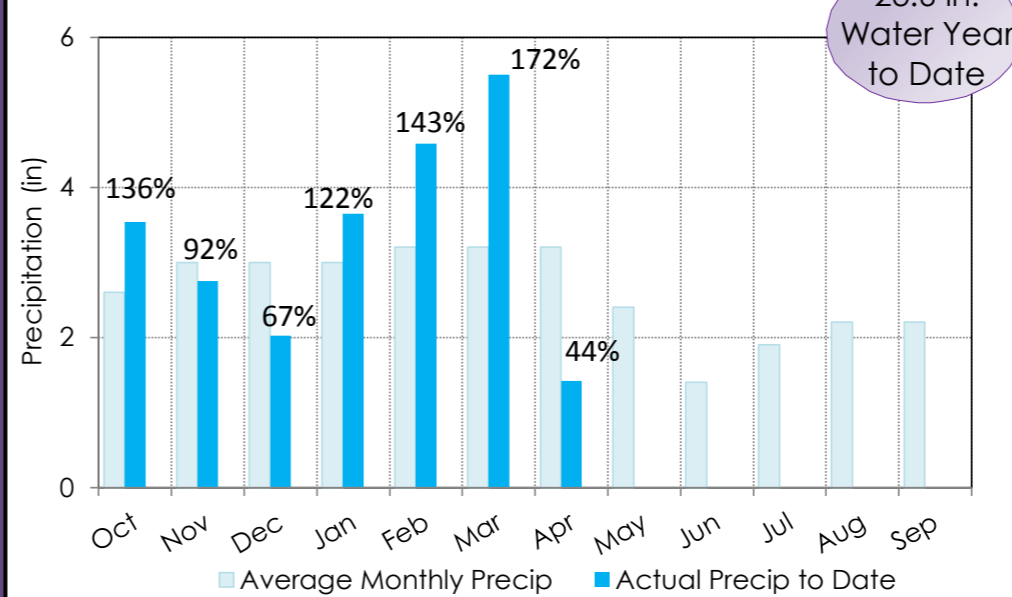
## Sacramento River Runoff



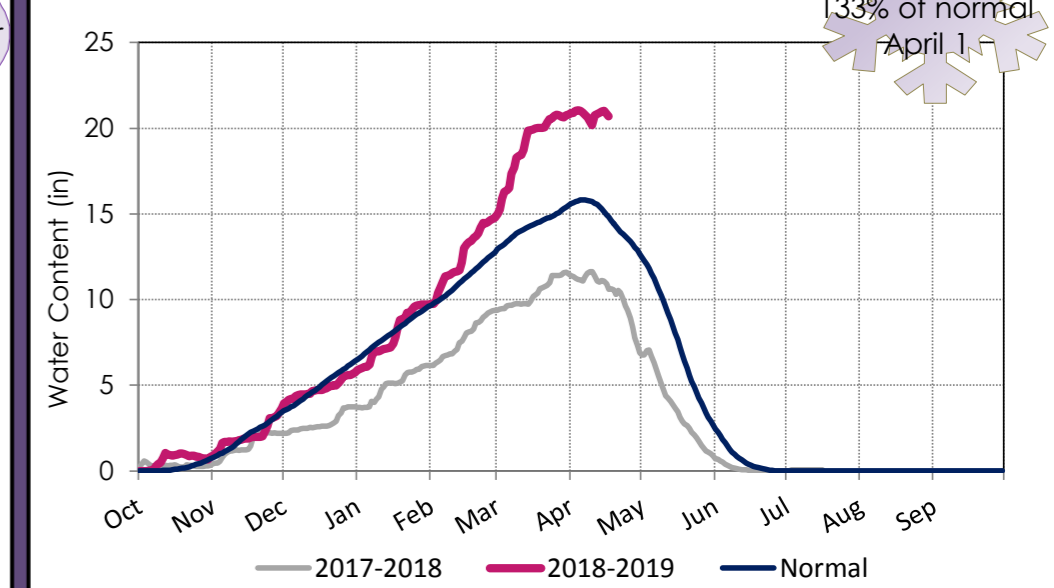
# Colorado River Resources

As of: 04/16/2019

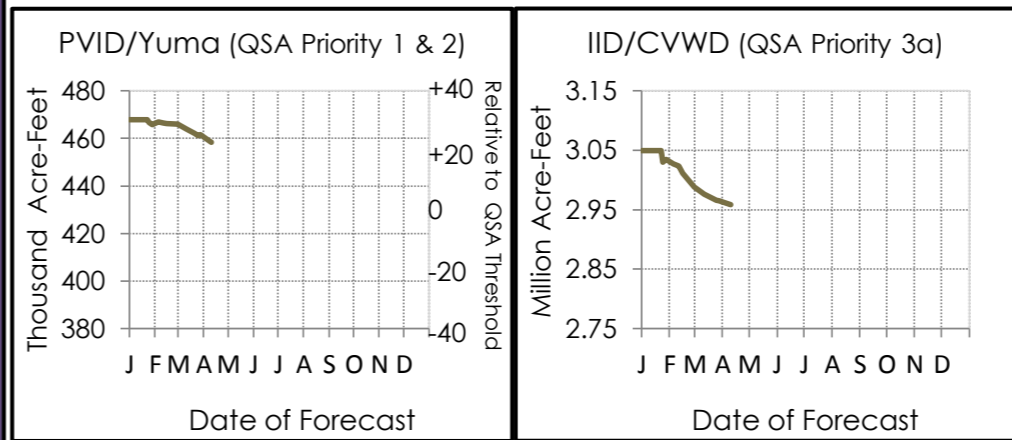
## Upper Colorado Basin Precip



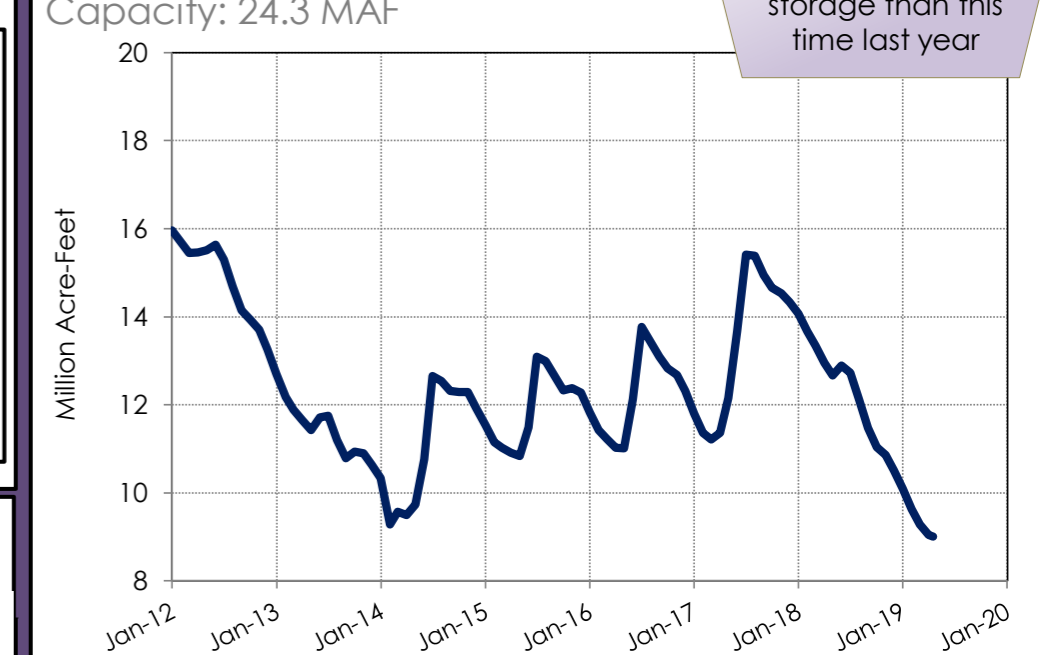
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



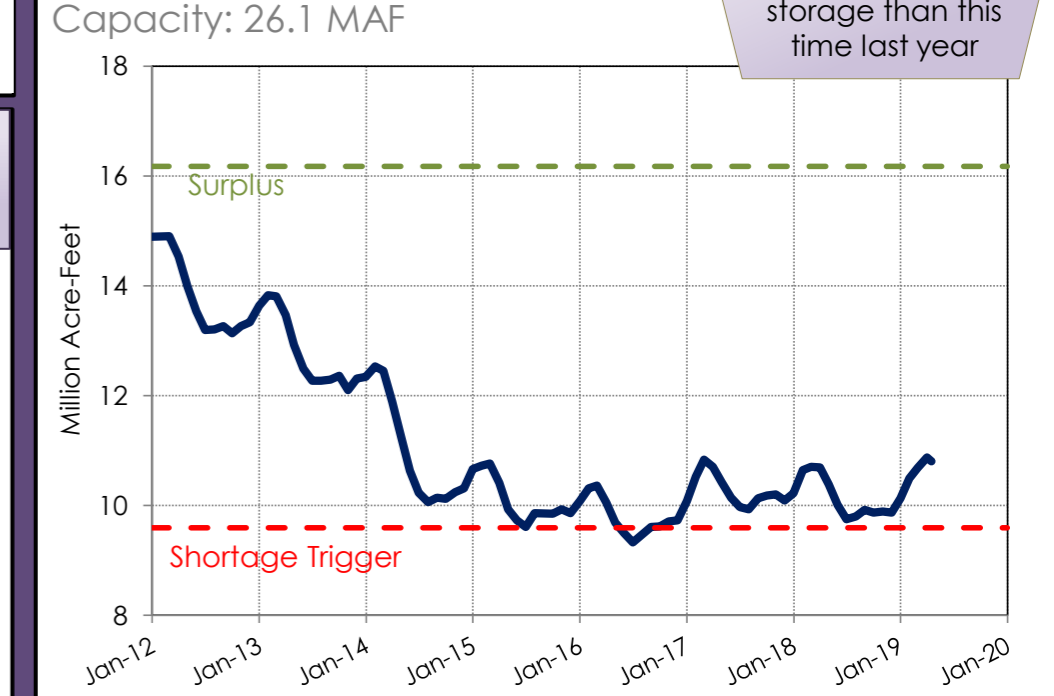
## Lake Powell Storage



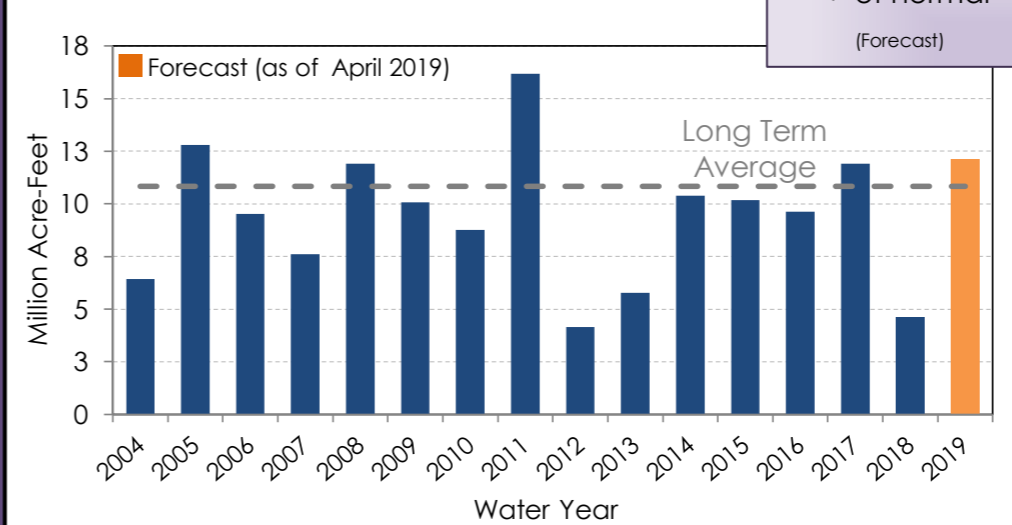
## Lake Mead Shortage/Surplus Outlook

This table will be updated once Reclamation publishes the next 24-month study in April 2019.

## Lake Mead Storage



## Powell Unregulated Inflow

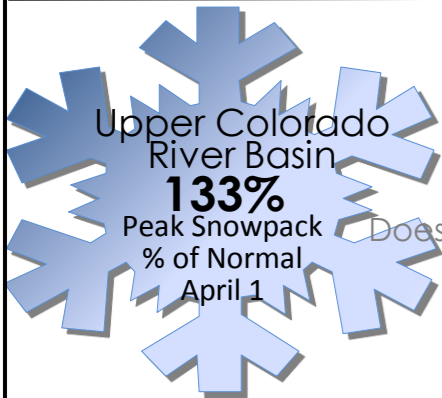




# Water Supply Conditions Report

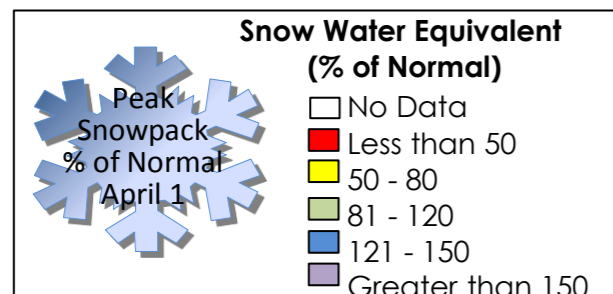
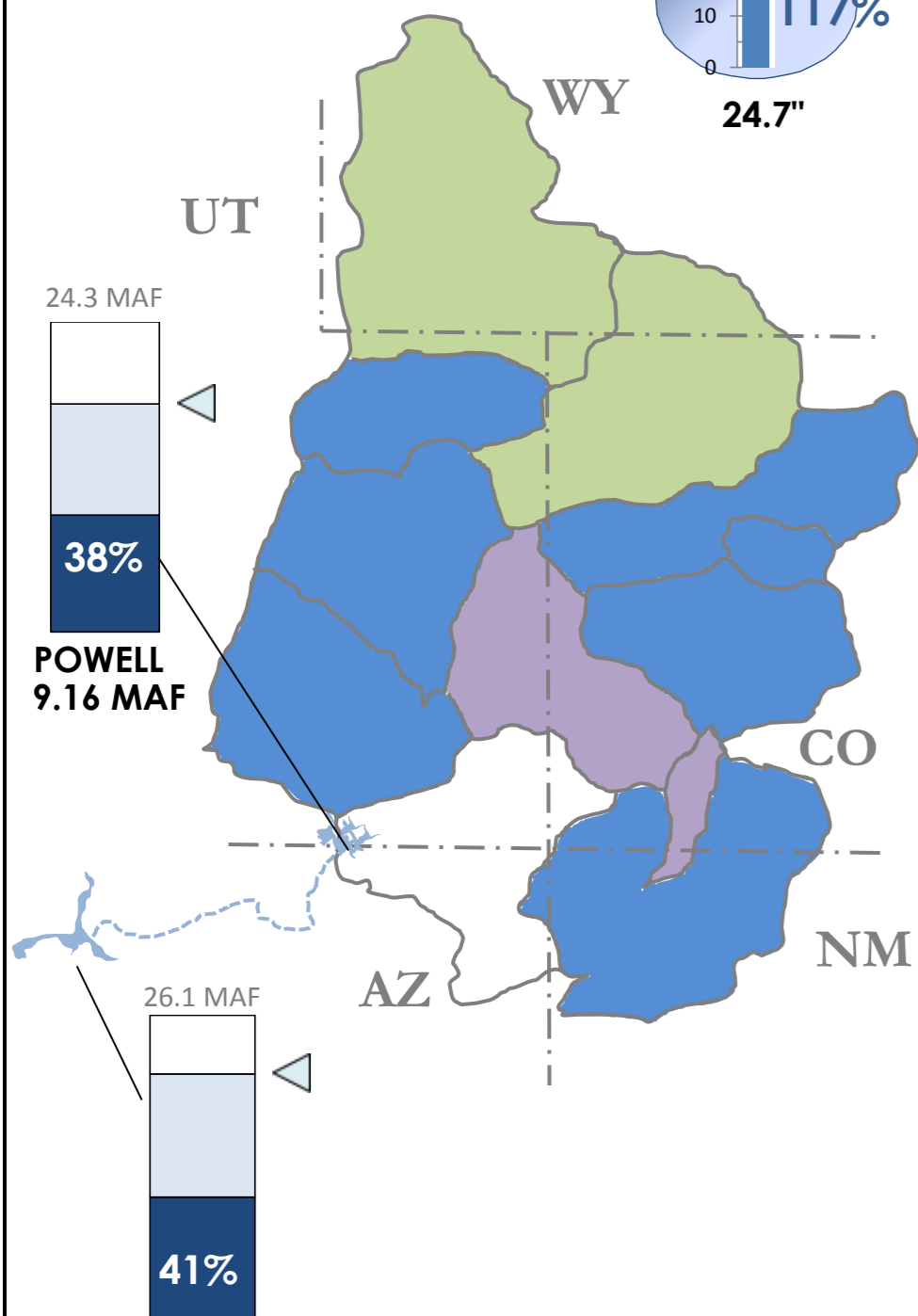
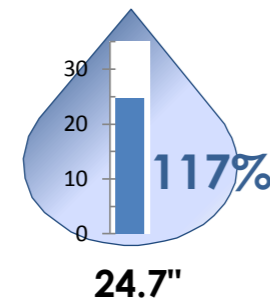
As of: 04/29/2019

## 2019 Colorado River



970,789 AF  
78% of full CRA

Does not include storage withdrawals



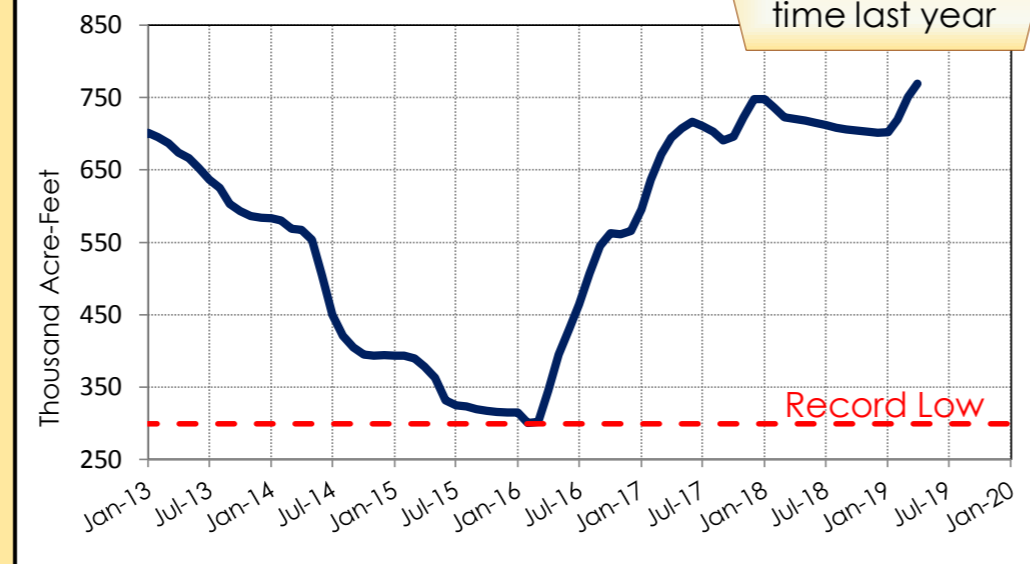
Turn page for more CRA Data

Flip Over for SWP Data

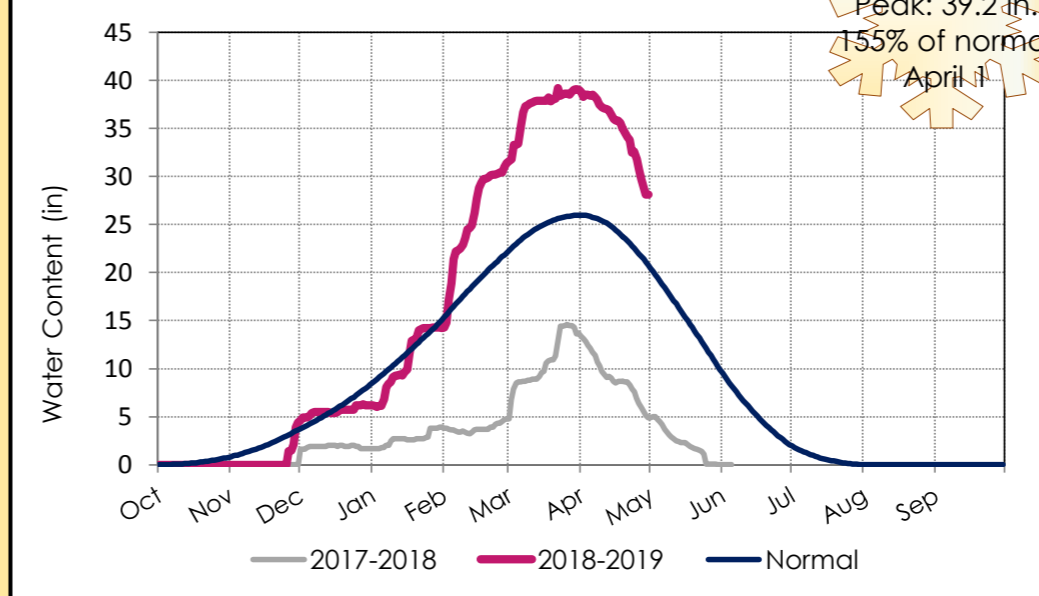
## Highlights

- Statewide snowpack peaked at 162% of April 1 normal
- Sacramento River Runoff forecast is 136% of normal
- Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- Lake Powell inflow forecast is at 112% of normal

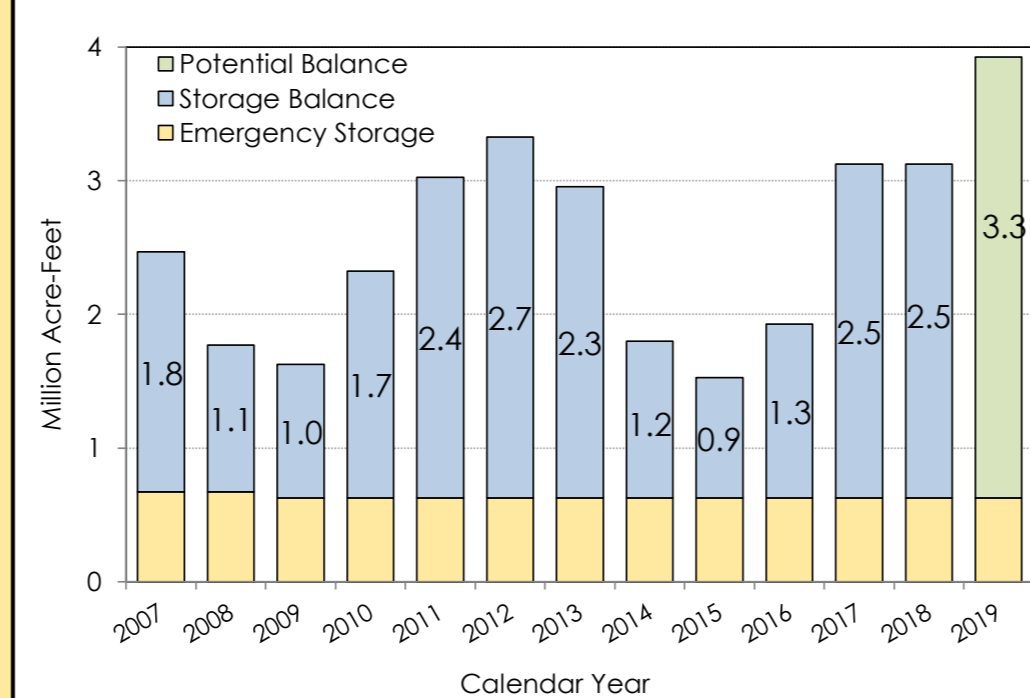
## Diamond Valley Lake Storage



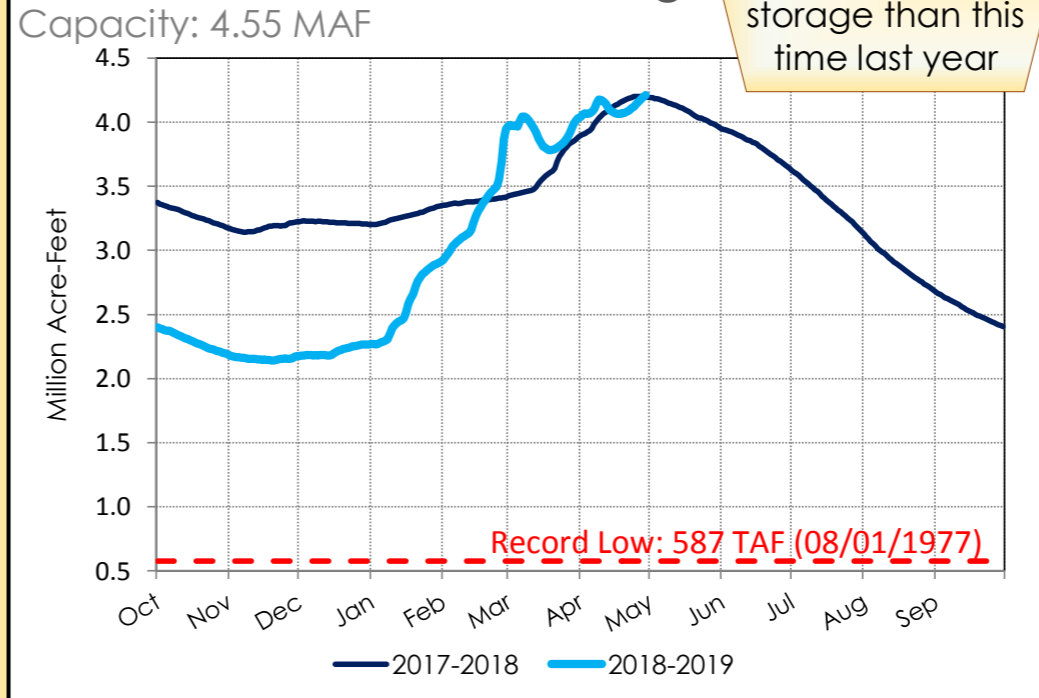
## Southern Sierra Snowpack



## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage



This report is produced by the Water Resource Management and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale.

<http://www.mwdh2o.com/WSCR>

This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters

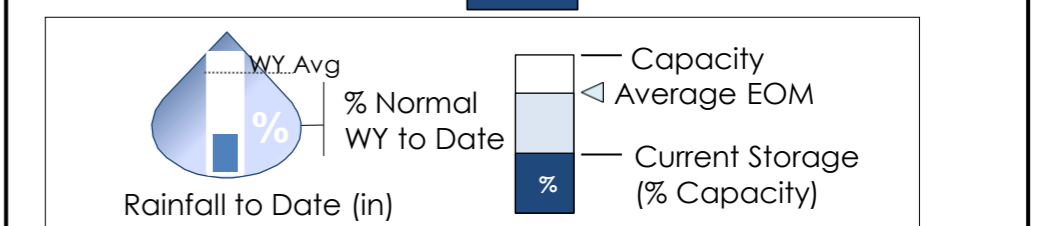
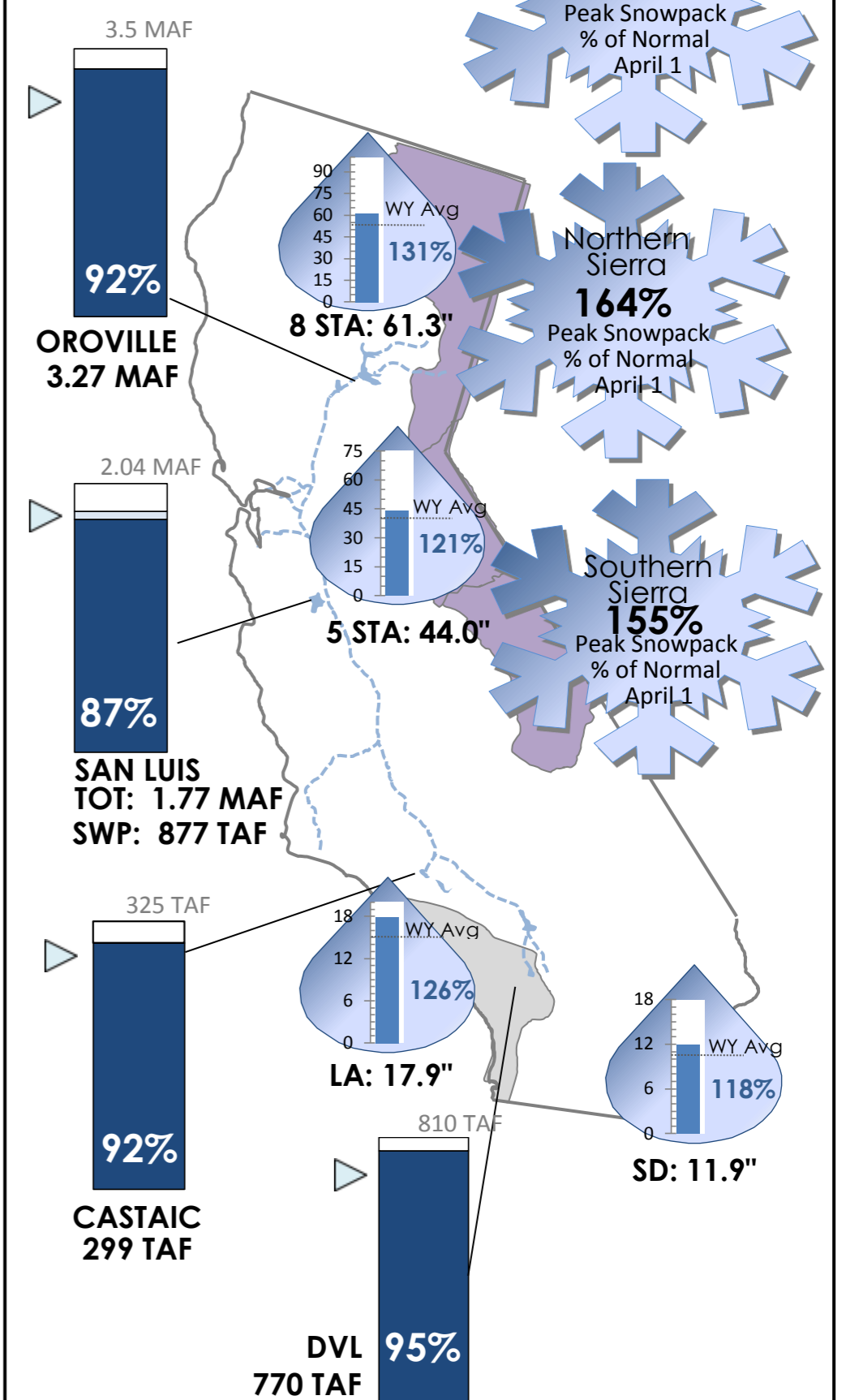


# Water Supply Conditions Report

As of: 04/29/2019

## 2019 SWP Allocation

1,338,050 AF  
70% of Table A



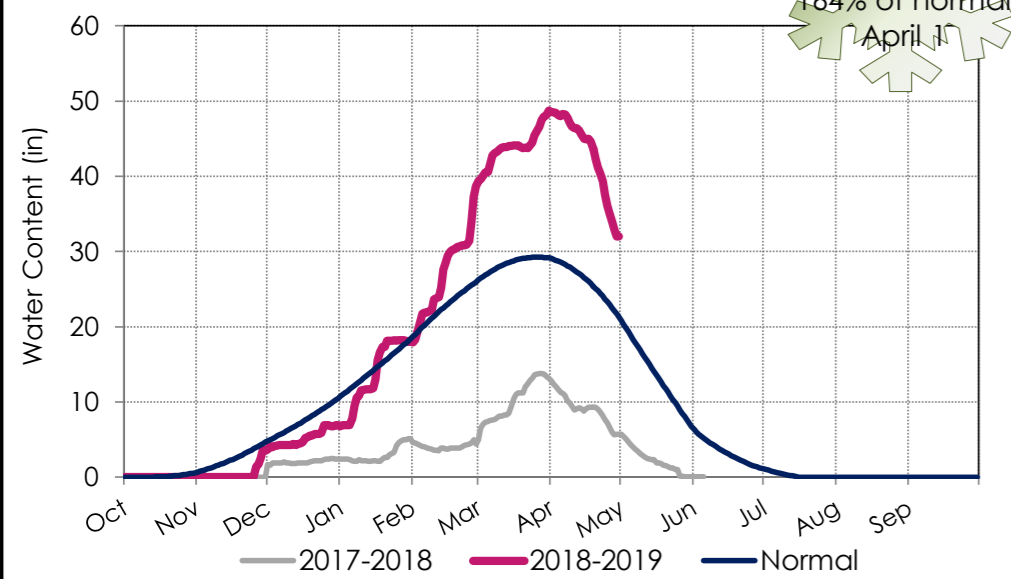
Flip Over for CRA Data

Turn page for more SWP Data

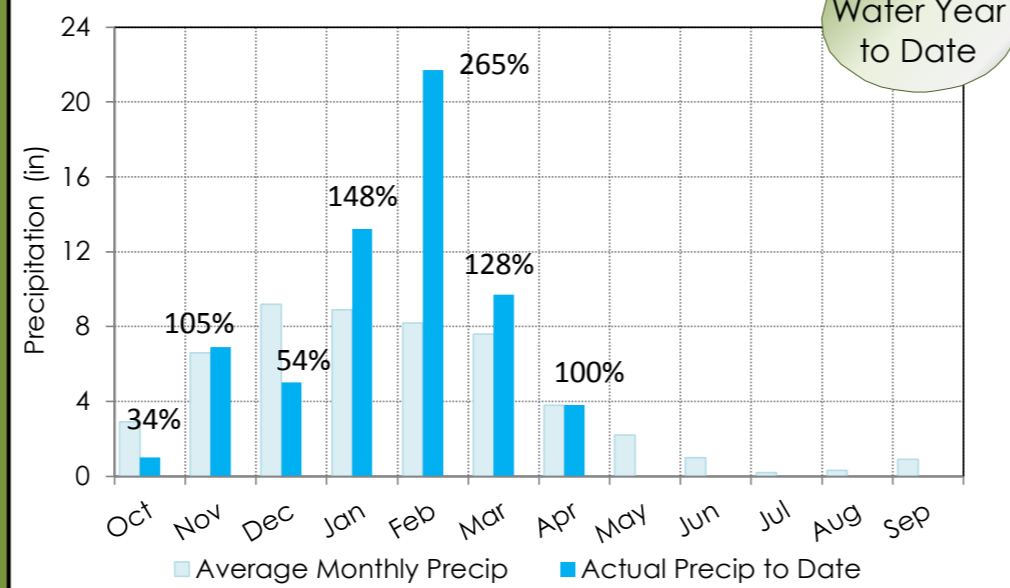
As of: 04/29/2019

# State Water Project Resources

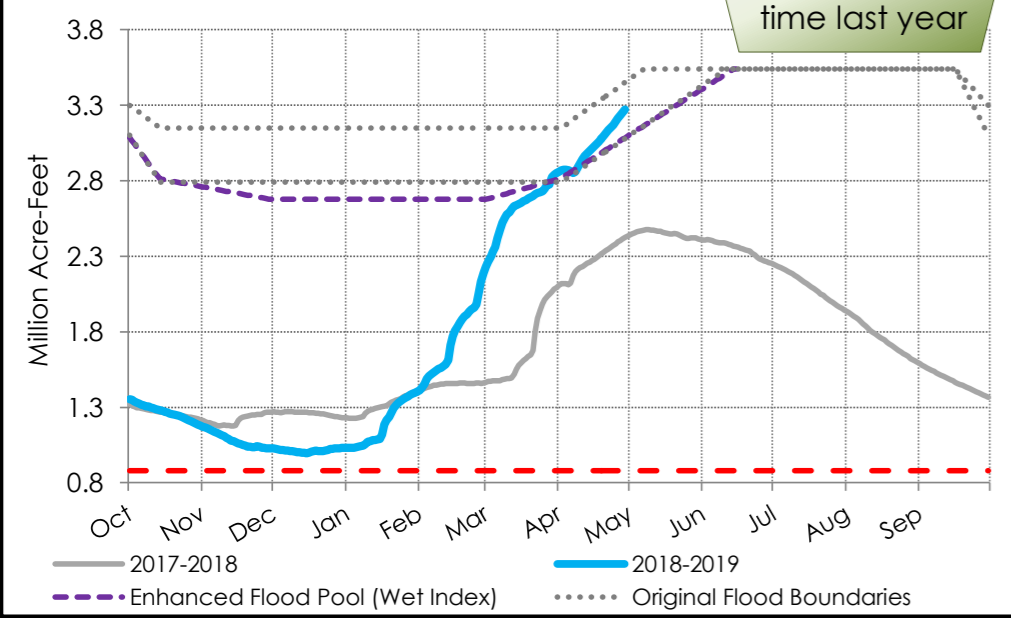
## Northern Sierra Snowpack



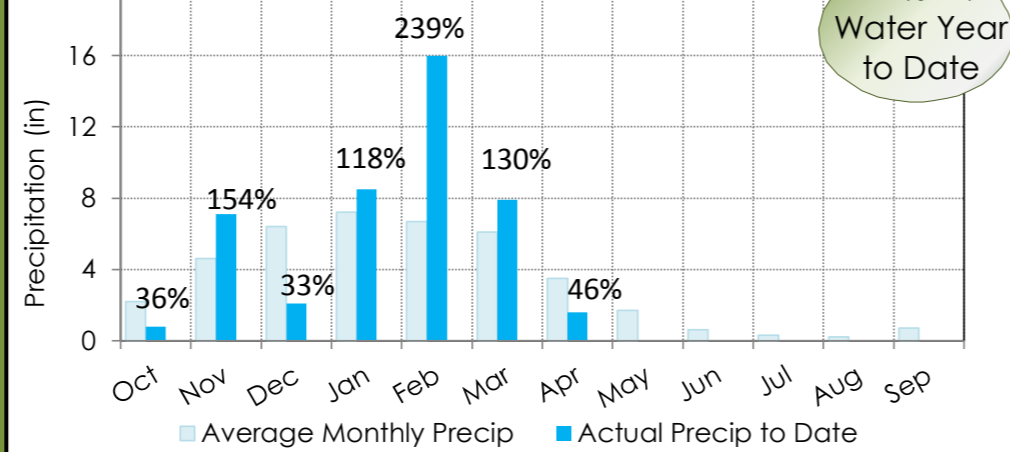
## 8 Station Index Precip



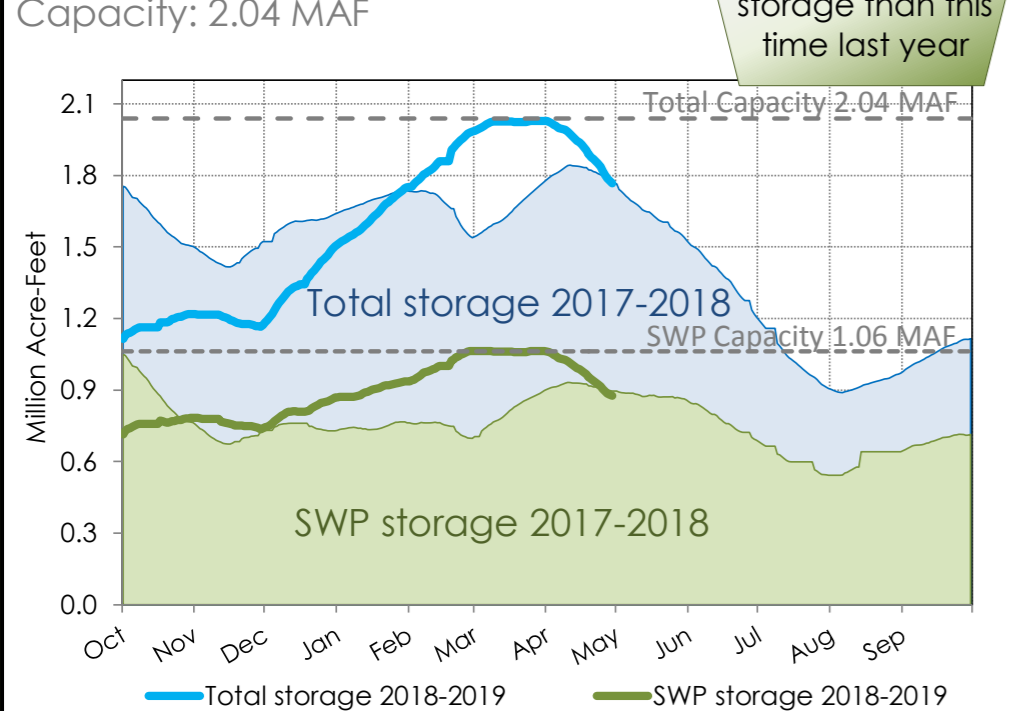
## Oroville Reservoir Storage



## 5 Station Index Precip



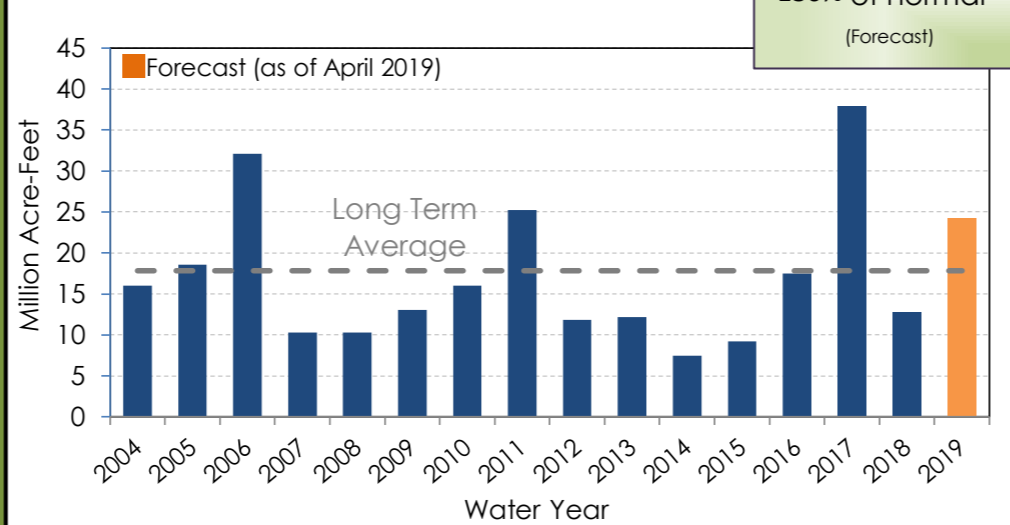
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	94,000

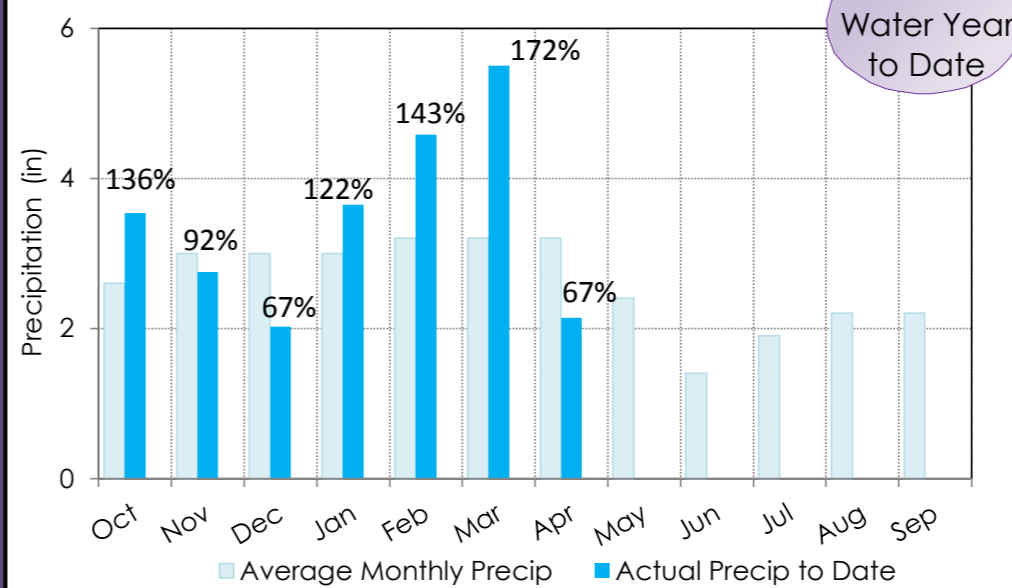
## Sacramento River Runoff



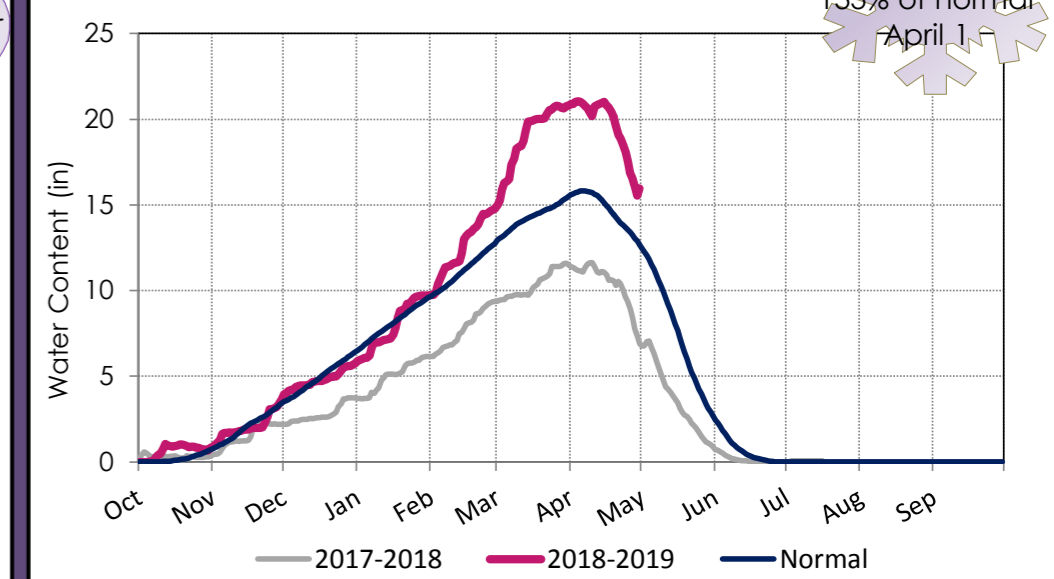
# Colorado River Resources

As of: 04/29/2019

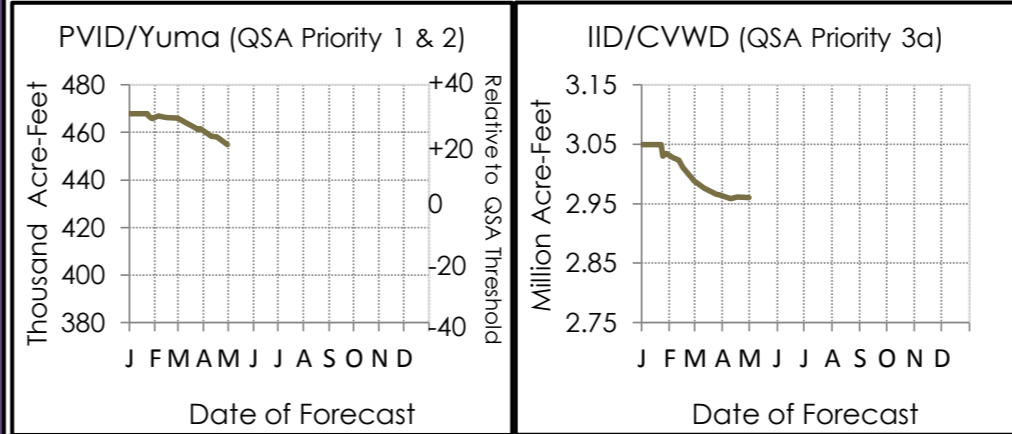
## Upper Colorado Basin Precip



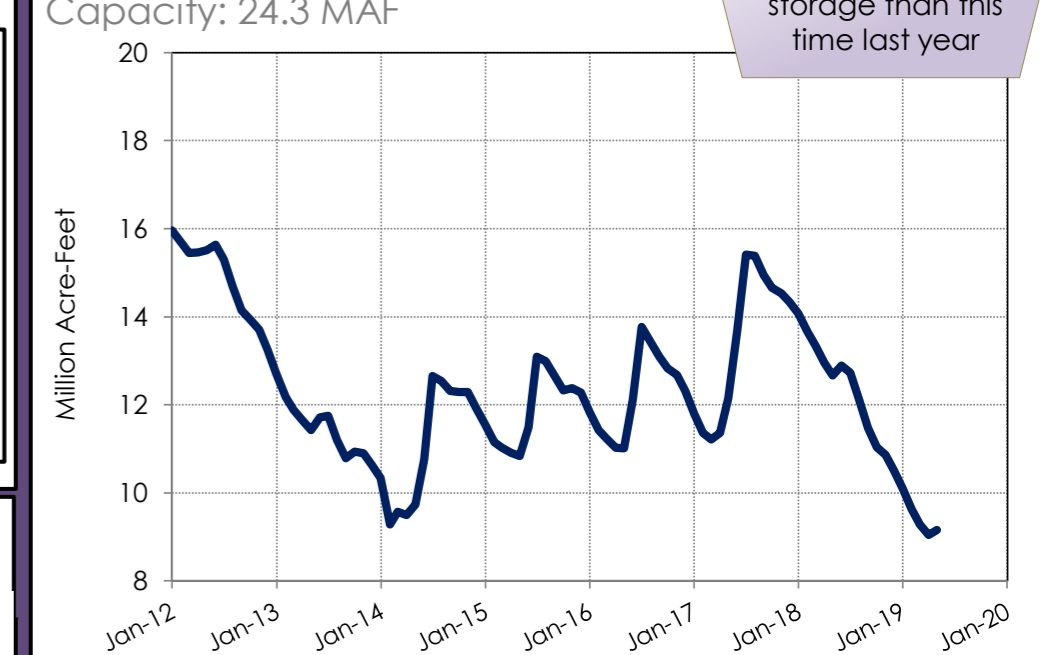
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



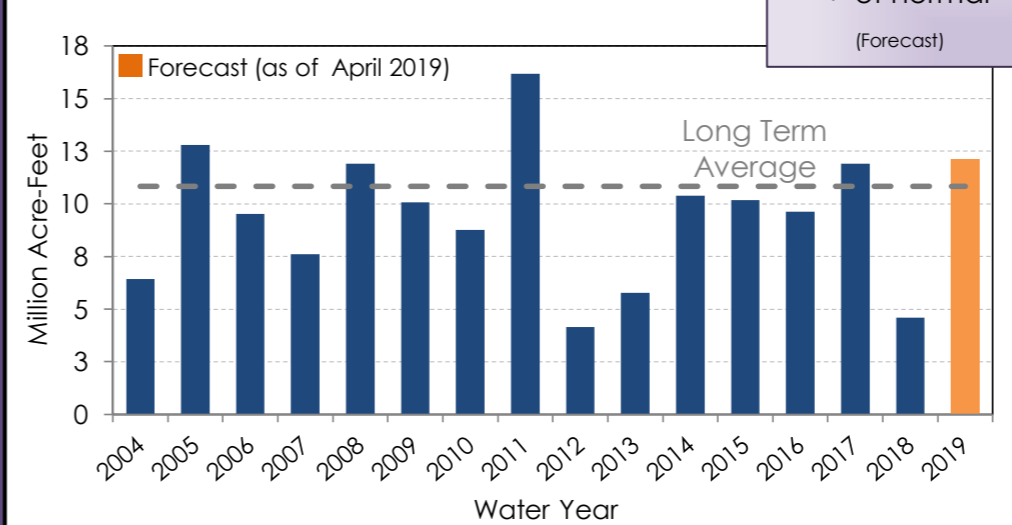
## Lake Powell Storage



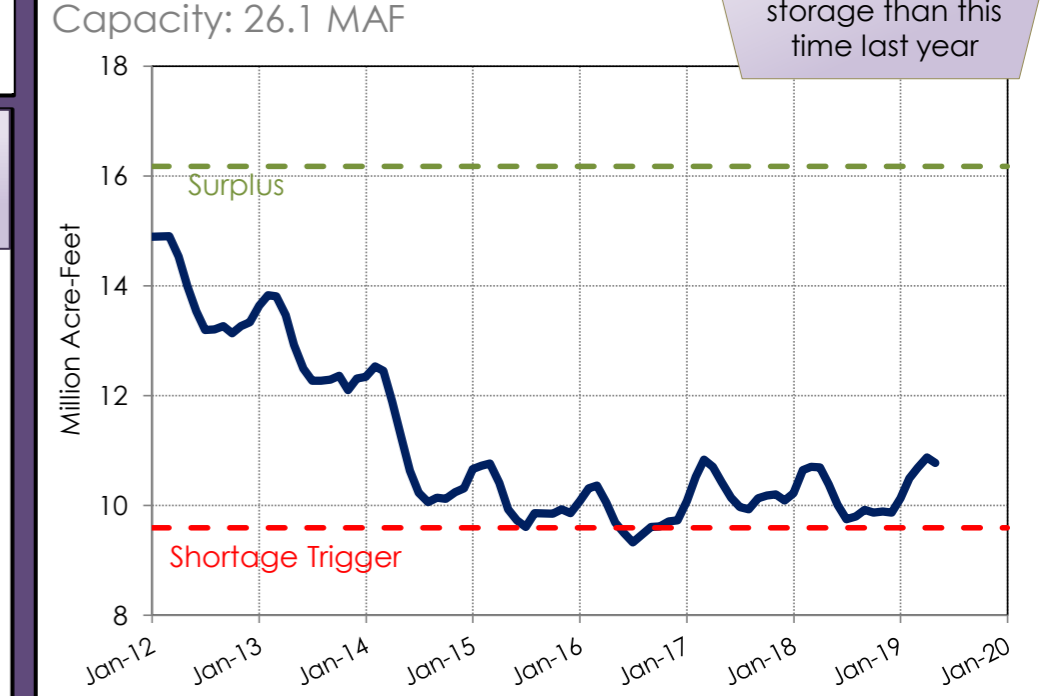
## Lake Mead Shortage/Surplus Outlook

Table Pending.

## Powell Unregulated Inflow



## Lake Mead Storage





# Water Supply Conditions Report

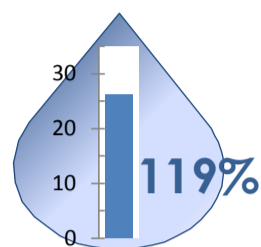
As of: 05/09/2019

## 2019 Colorado River

967,880 AF

77% of full CRA

Does not include storage withdrawals



26.3"

Upper Colorado River Basin  
Peak Snowpack % of Normal April 1  
**133%**

**112%**  
Runoff Forecast (WY)

24.3 MAF

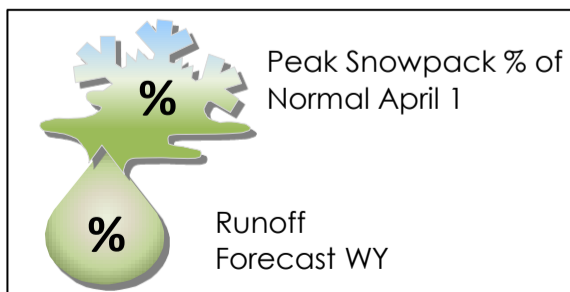
**39%**

POWELL  
9.57 MAF

26.1 MAF

**41%**

MEAD  
10.7 MAF  
1088.15 FT



Turn page for more CRA Data

Flip Over for SWP

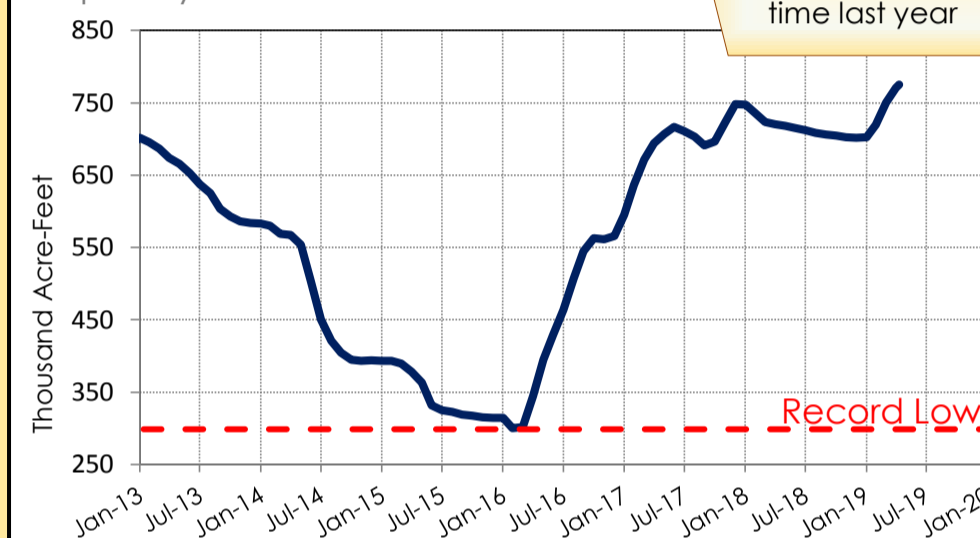
## Highlights

- Statewide snowpack peaked at 162% of April 1 normal
- Sacramento River Runoff forecast is 137% of normal
- Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- Lake Powell inflow forecast is at 112% of normal

## Diamond Valley Lake Storage

Capacity: 810 TAF

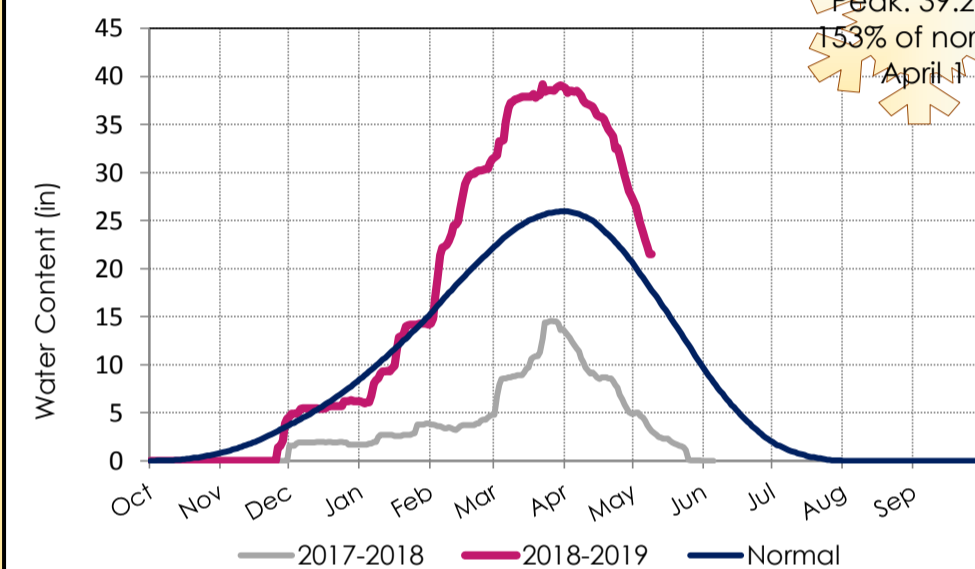
56 TAF more in storage than this time last year



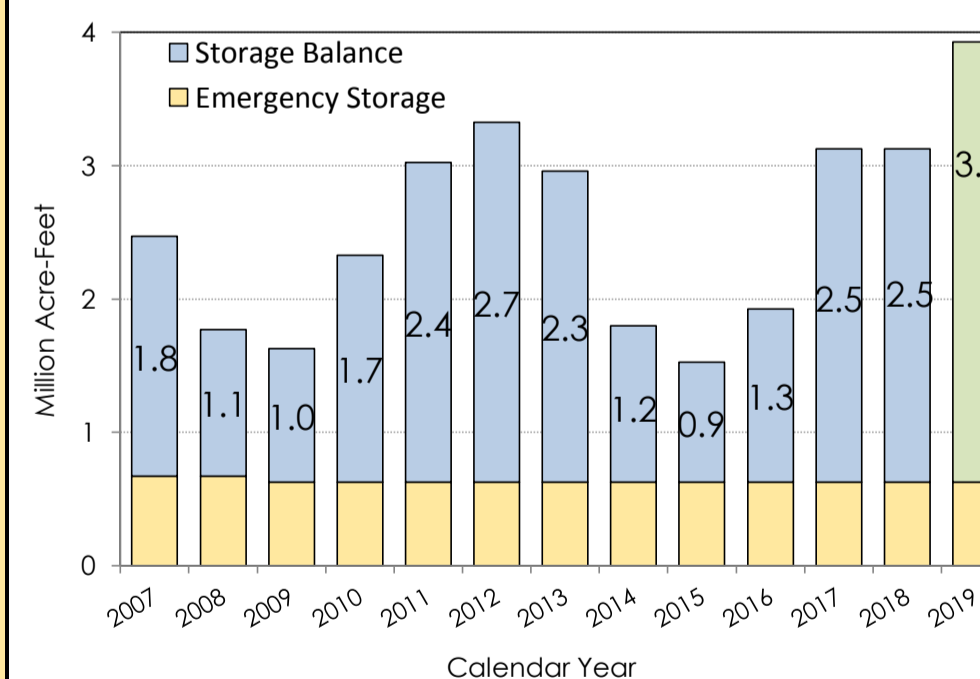
Record Low

## Southern Sierra Snowpack

Peak: 39.2 in.  
153% of normal April 1



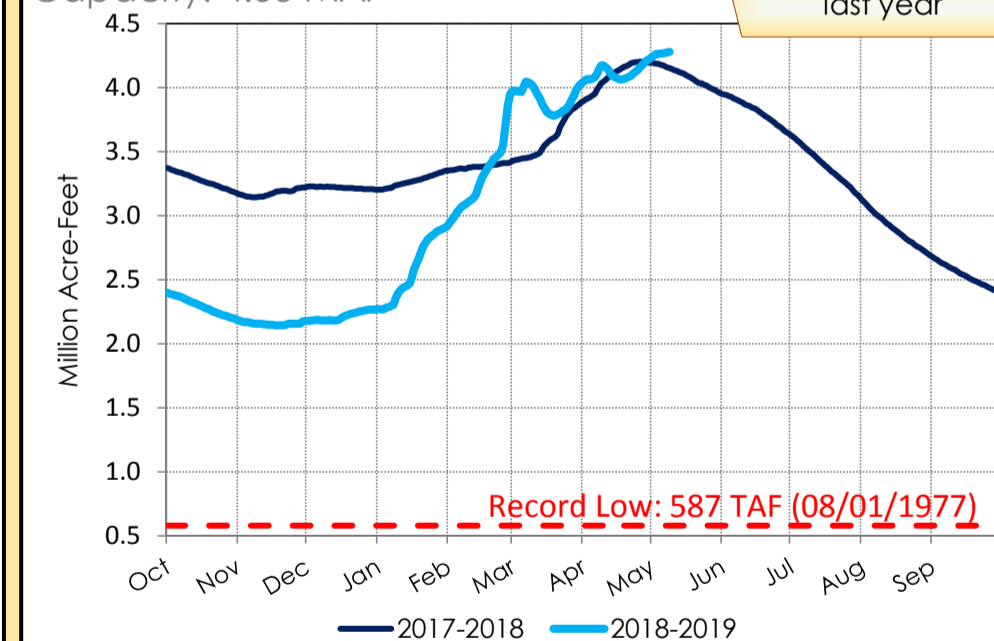
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

130 TAF more in storage than this time last year



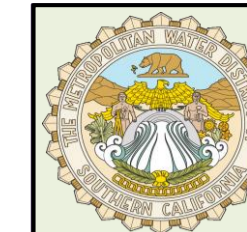
Record Low: 587 TAF (08/01/1977)



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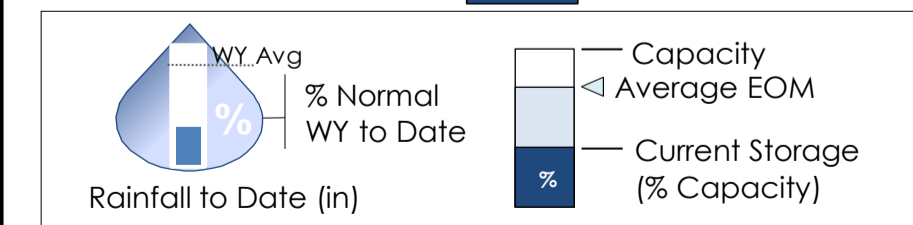
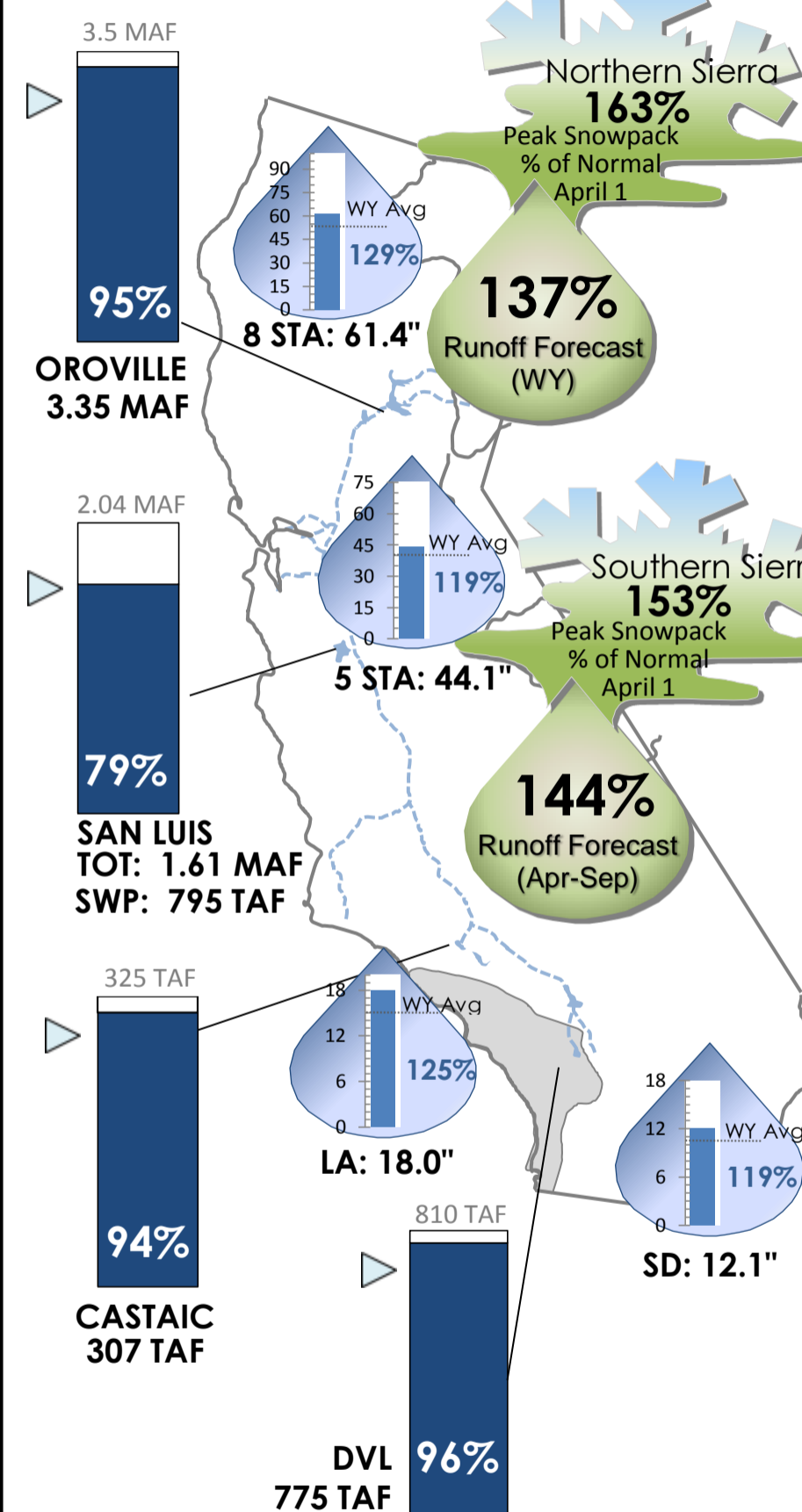
# Water Supply Conditions Report

As of: 05/09/2019

## 2019 SWP Allocation

1,338,050 AF

70% of Table A



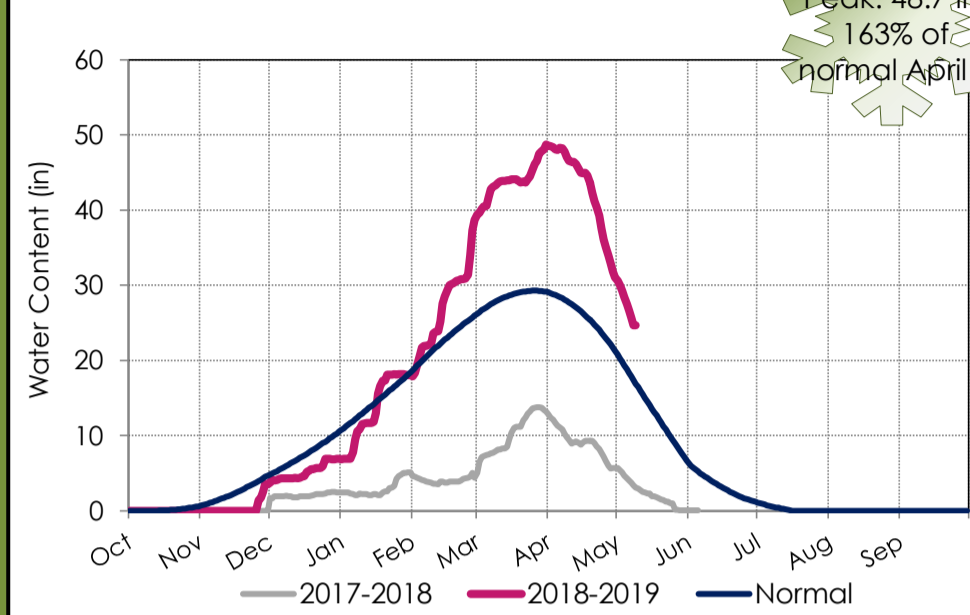
Flip Over for CRA Data

Turn page for more SWP Data

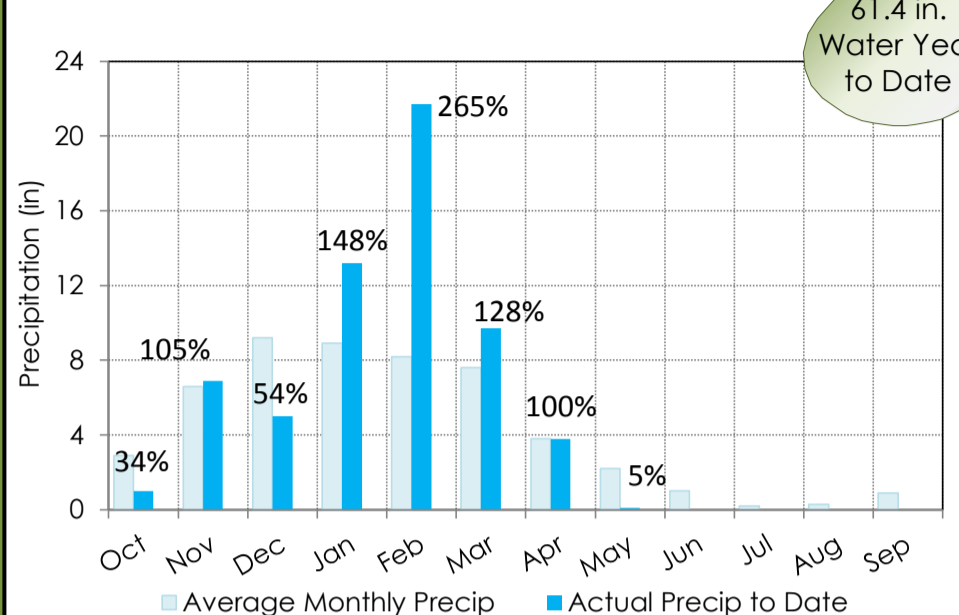
As of: 05/09/2019

# State Water Project Resources

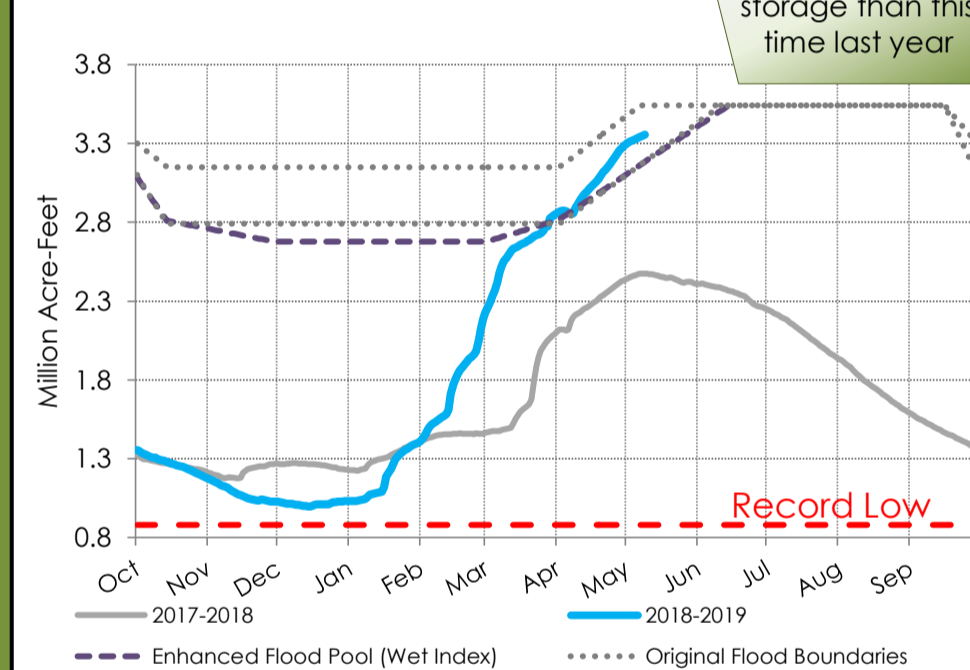
## Northern Sierra Snowpack



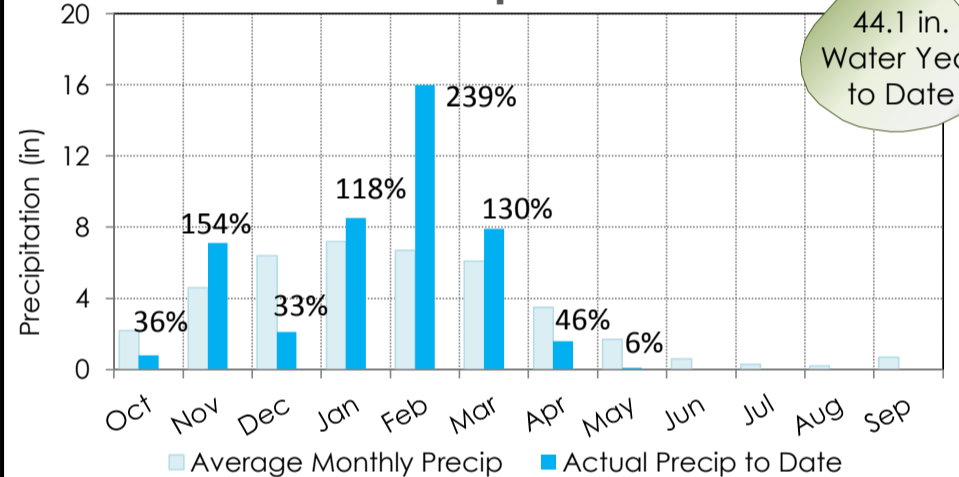
## 8 Station Index Precip



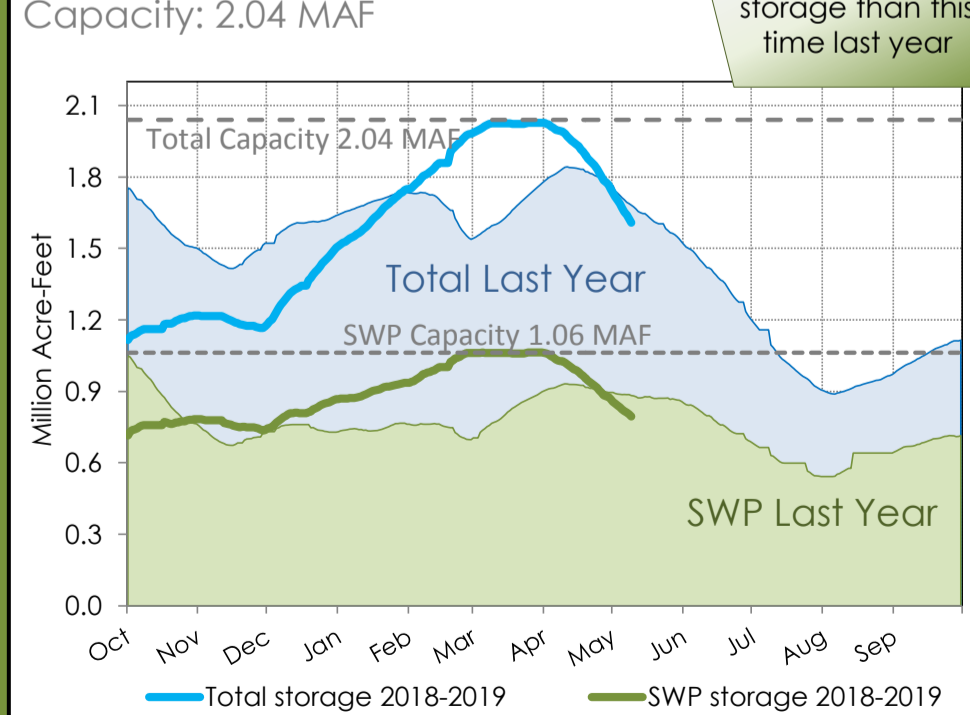
## Oroville Reservoir Storage



## 5 Station Index Precip



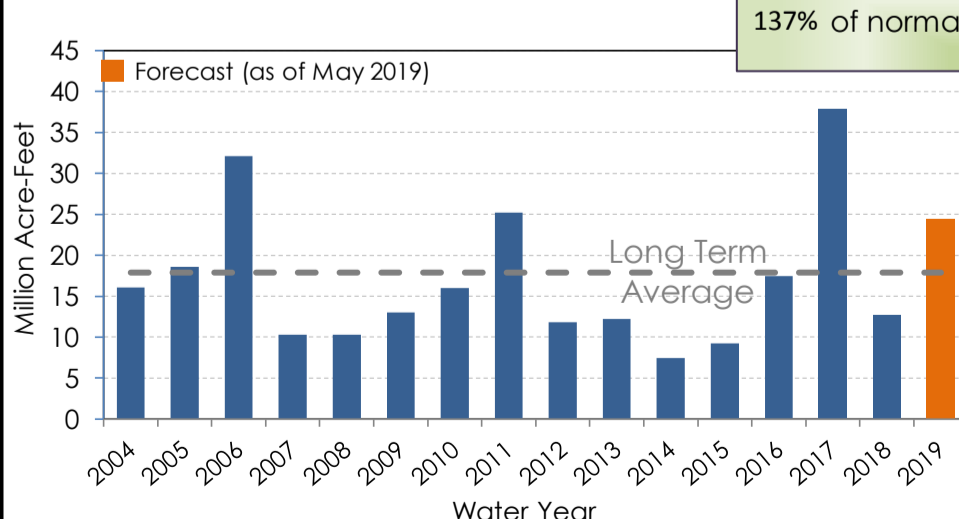
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

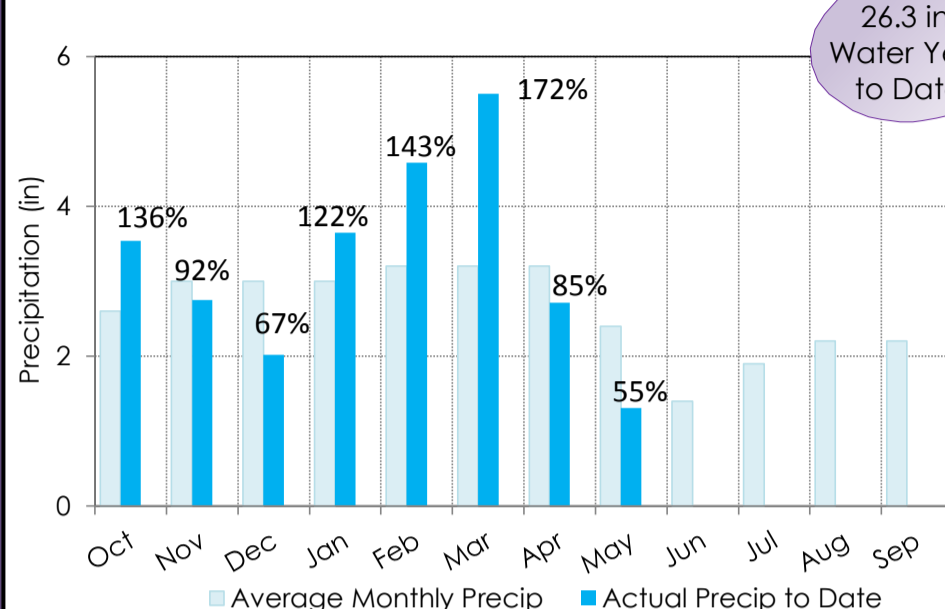
## Sacramento River Runoff



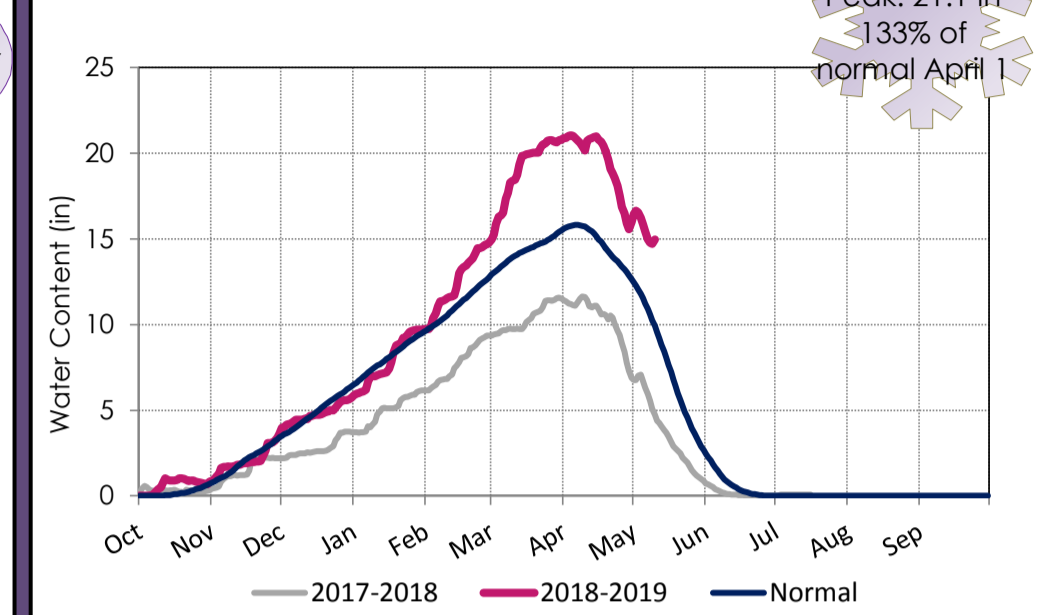
# Colorado River Resources

As of: 05/09/2019

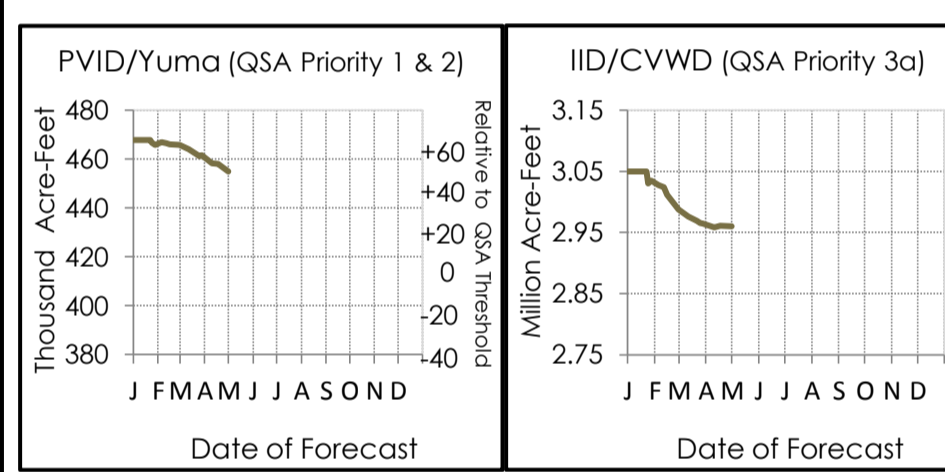
## Upper Colorado Basin Precip



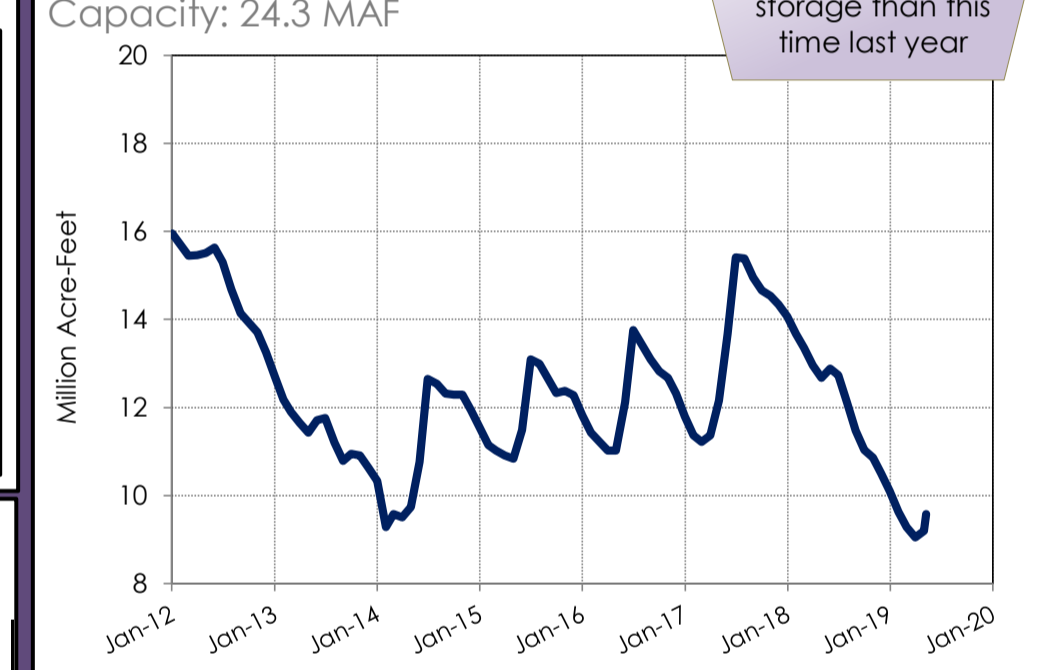
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



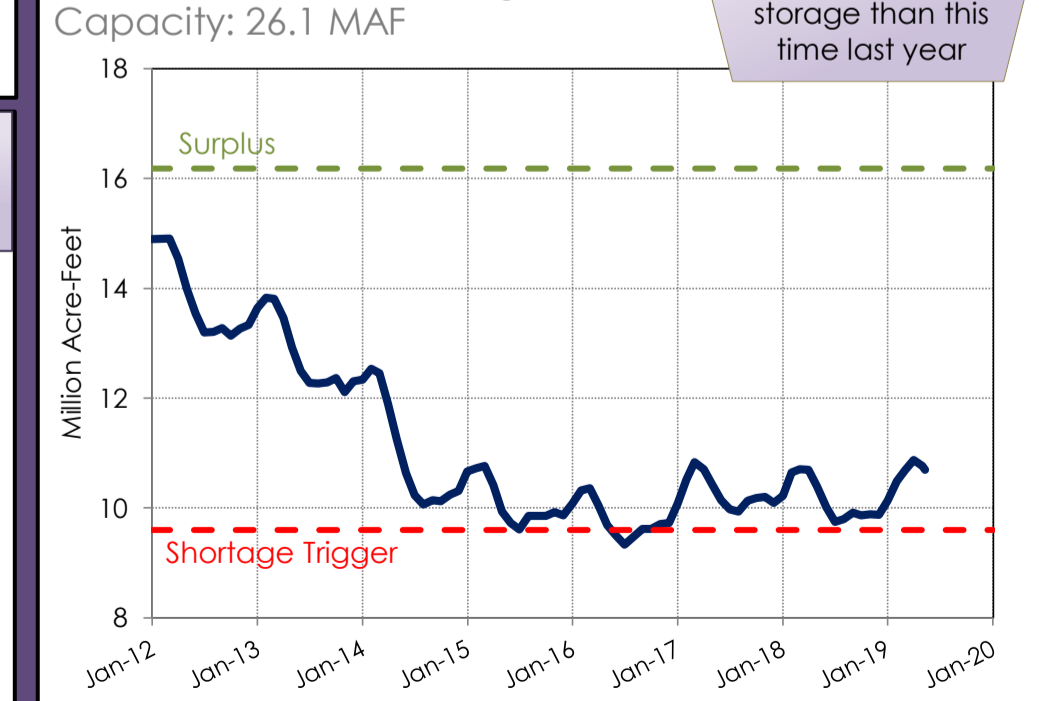
## Lake Powell Storage



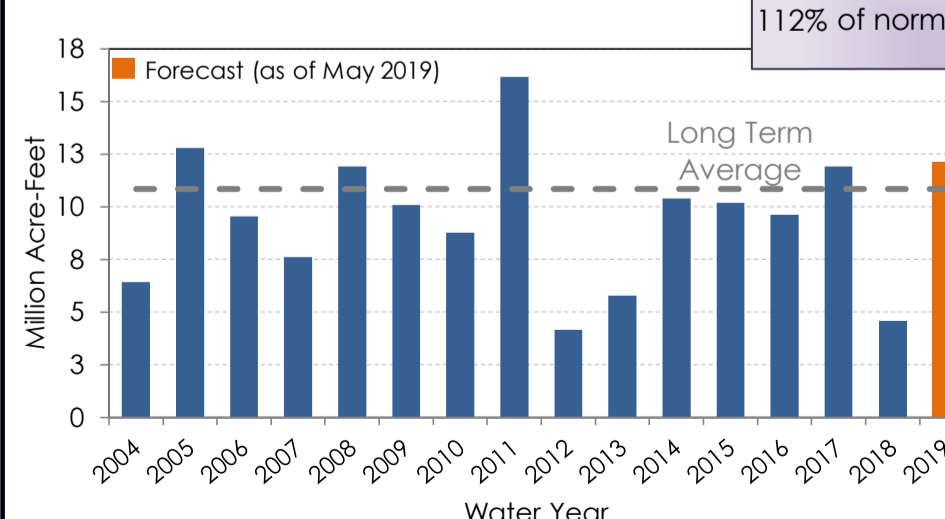
## Lake Mead Shortage/Surplus Outlook

Table Pending

## Lake Mead Storage



## Powell Unregulated Inflow





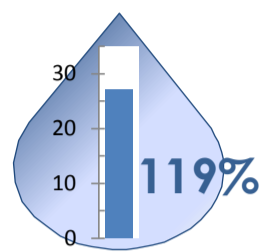


# Water Supply Conditions Report

As of: 05/19/2019

## 2019 Colorado River

969,113 AF  
78% of full CRA  
Does not include storage withdrawals



27.1"

24.3 MAF

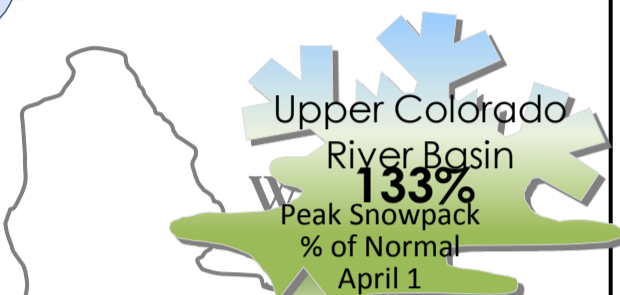
41%

POWELL  
9.88 MAF

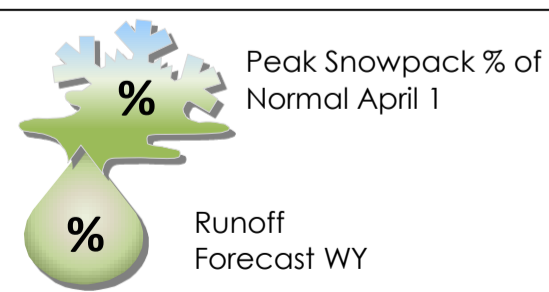
26.1 MAF

41%

MEAD  
10.66 MAF  
1087.76 FT



112%  
Runoff Forecast (WY)



Turn page for more CRA Data

Flip Over for SWP

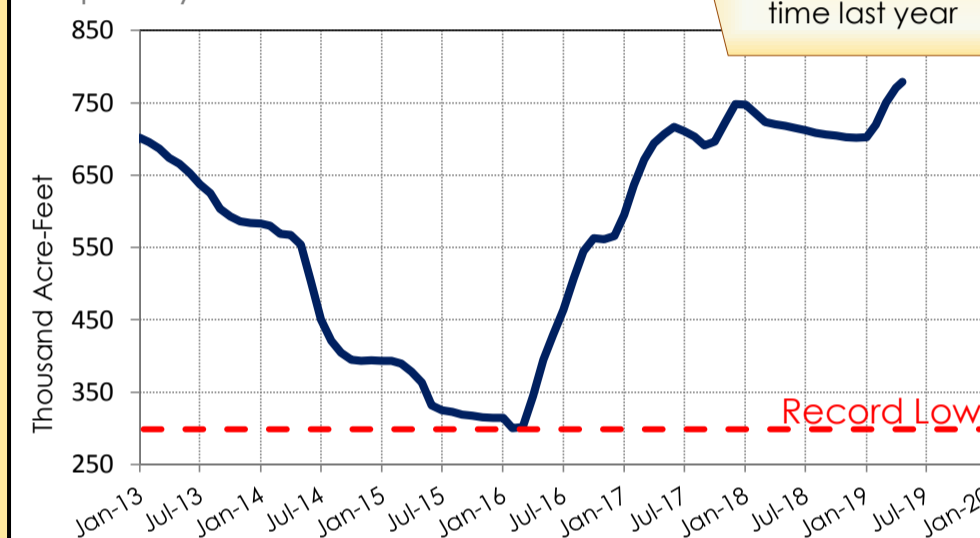
## Highlights

- Statewide snowpack peaked at 162% of April 1 normal
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- Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- Lake Powell inflow forecast is at 112% of normal

## Diamond Valley Lake Storage

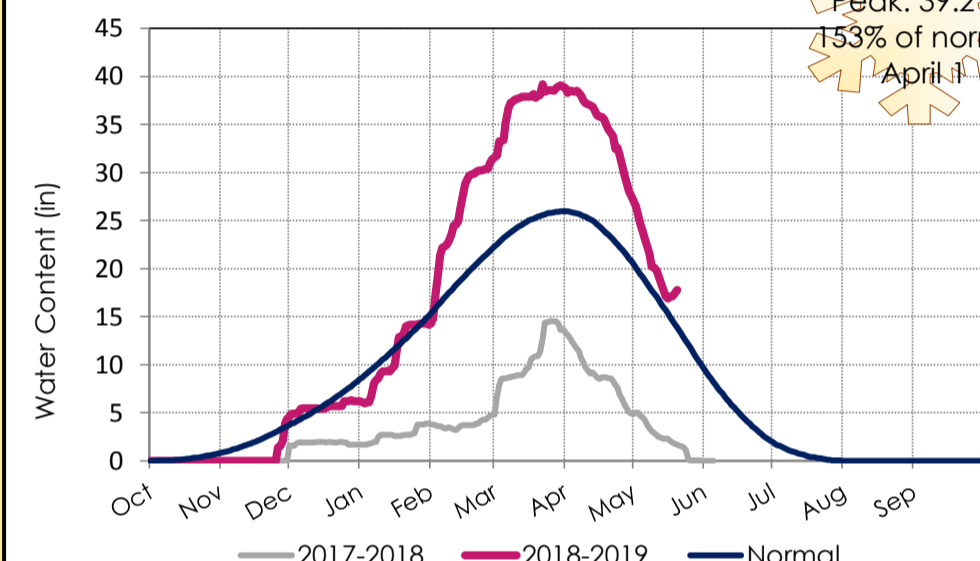
Capacity: 810 TAF

60 TAF more in storage than this time last year

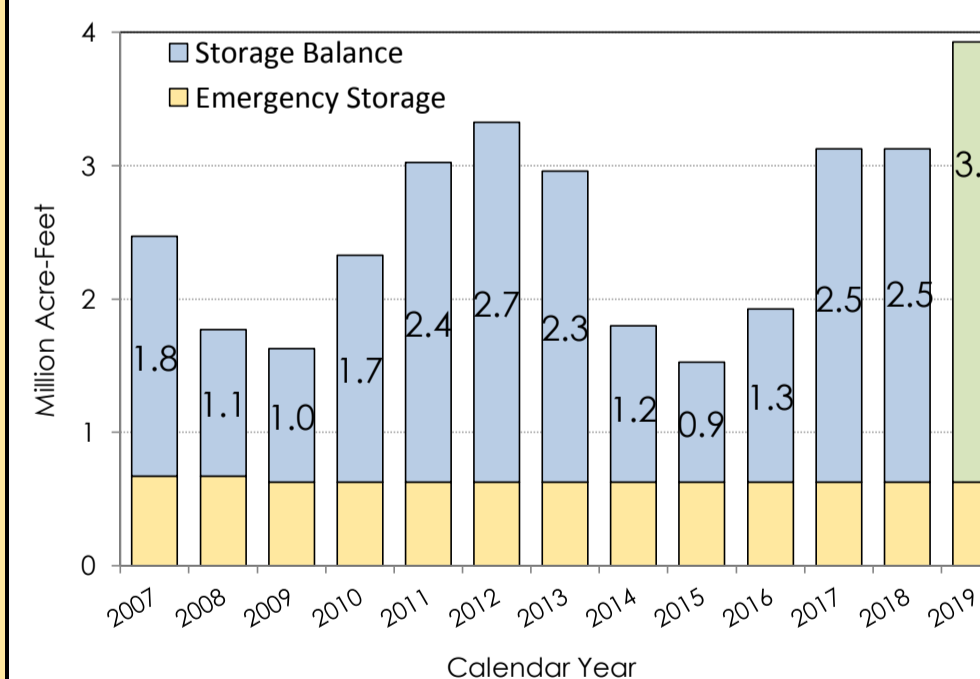


## Southern Sierra Snowpack

Peak: 39.2 in.  
153% of normal  
April 1



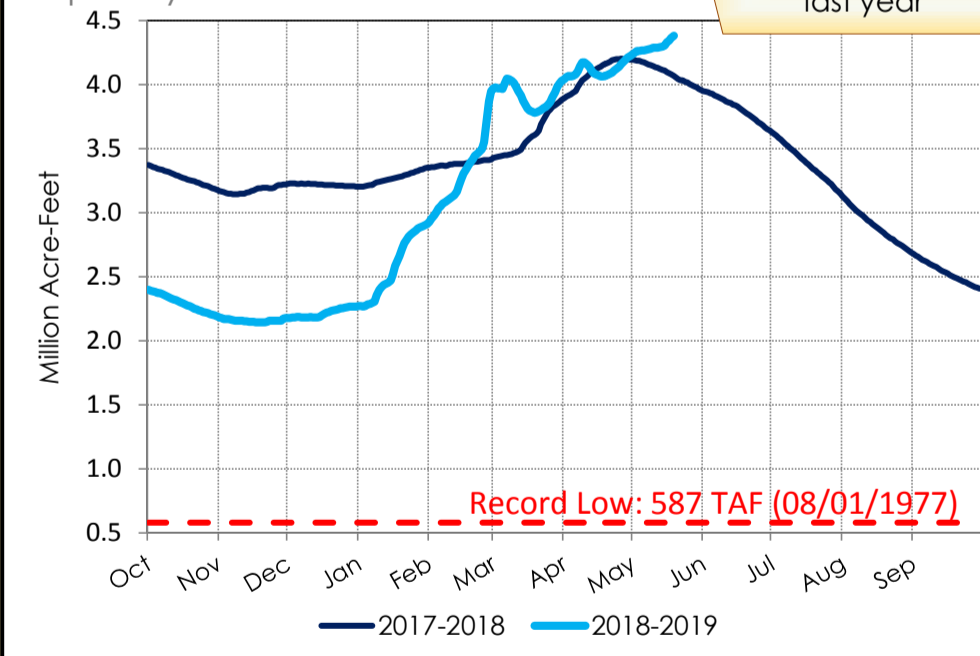
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

317 TAF more in storage than this time last year



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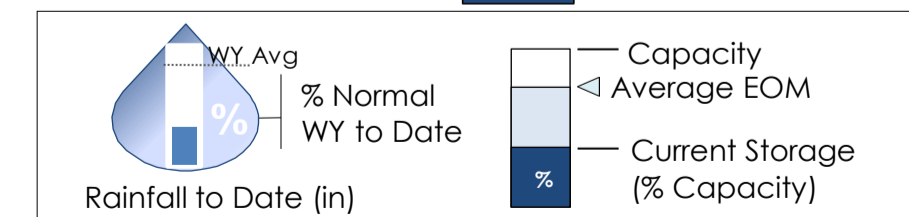
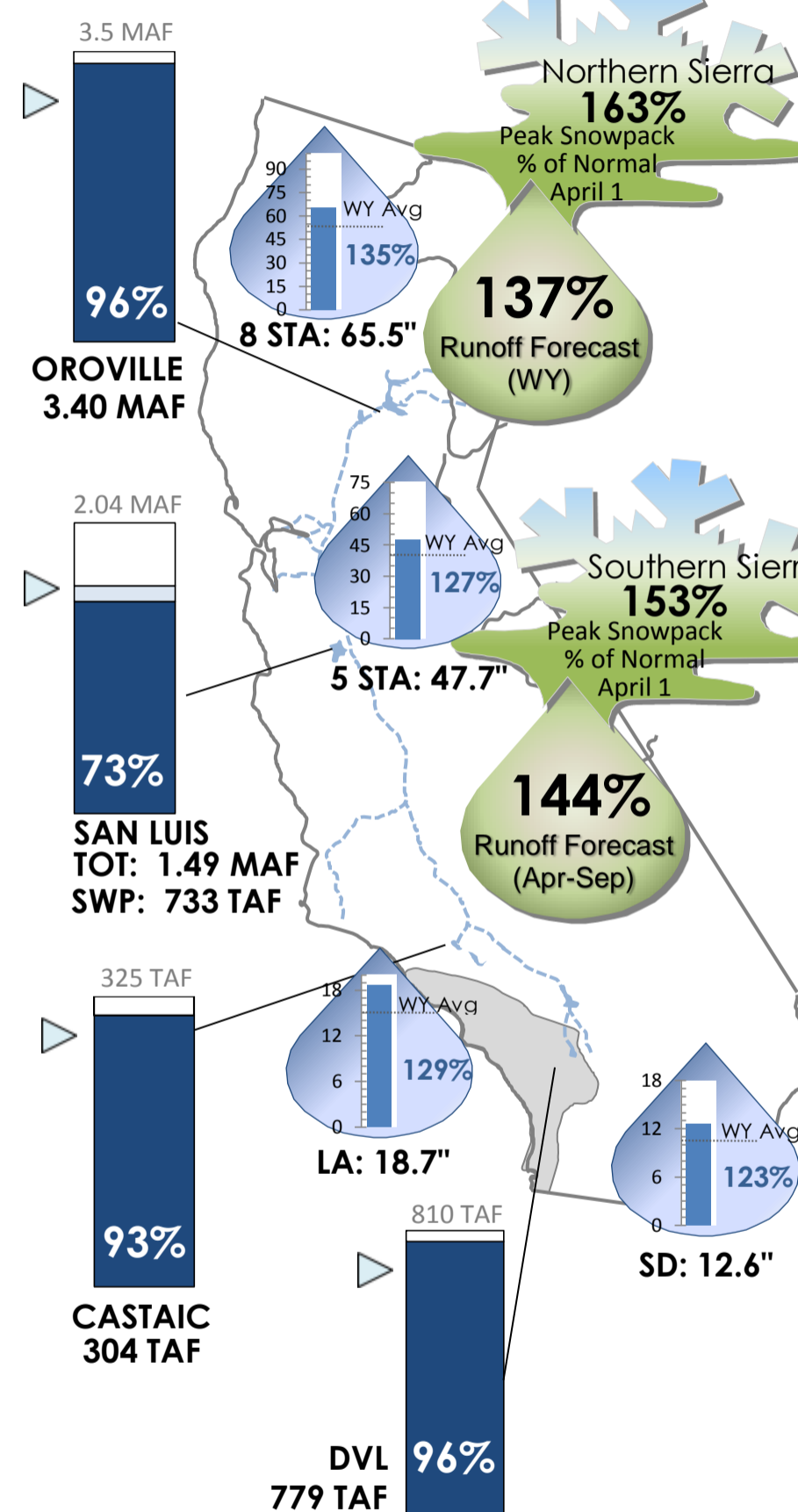


# Water Supply Conditions Report

As of: 05/19/2019

## 2019 SWP Allocation

1,338,050 AF  
70% of Table A



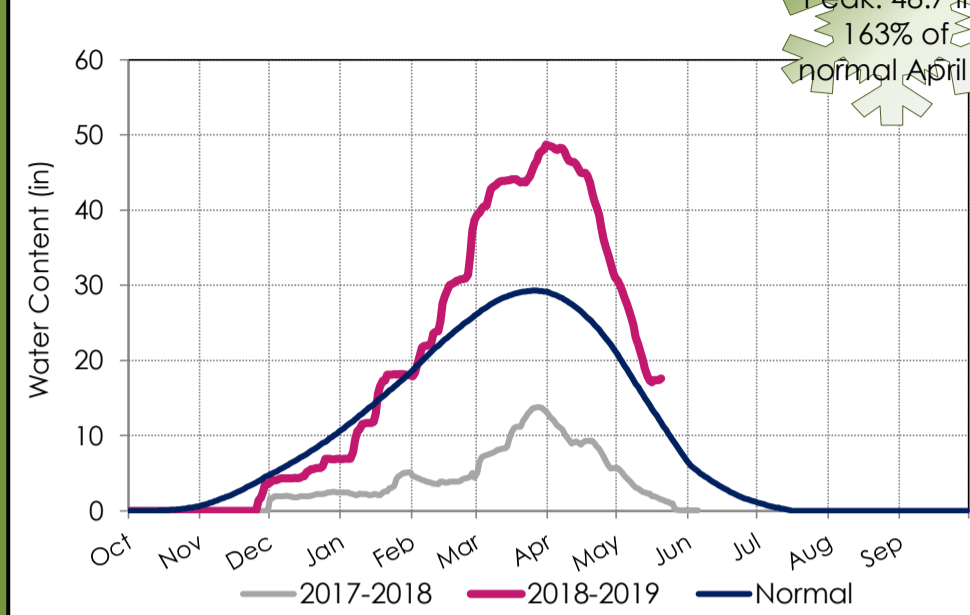
Flip Over for CRA Data

Turn page for more SWP Data

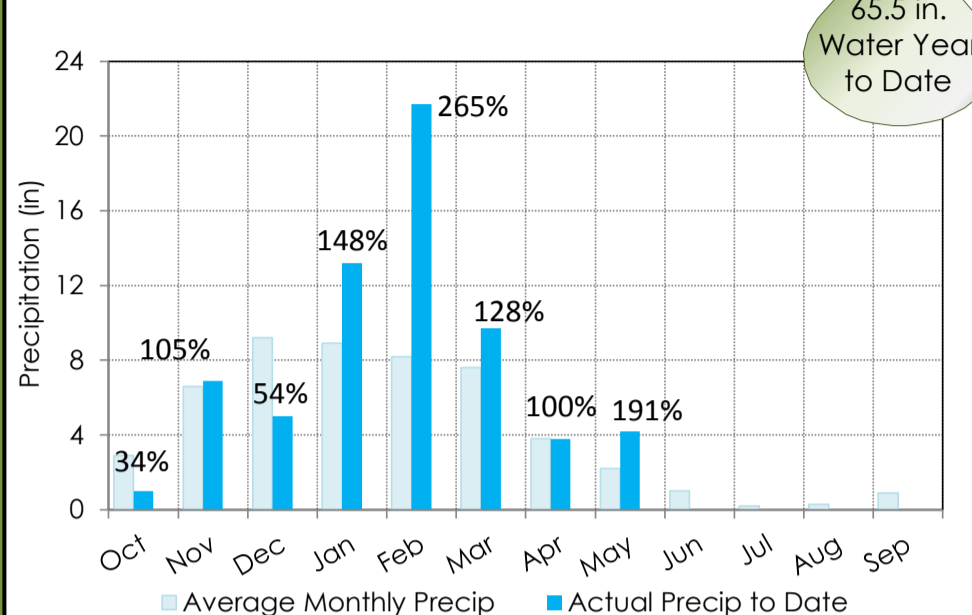
As of: 05/19/2019

# State Water Project Resources

## Northern Sierra Snowpack



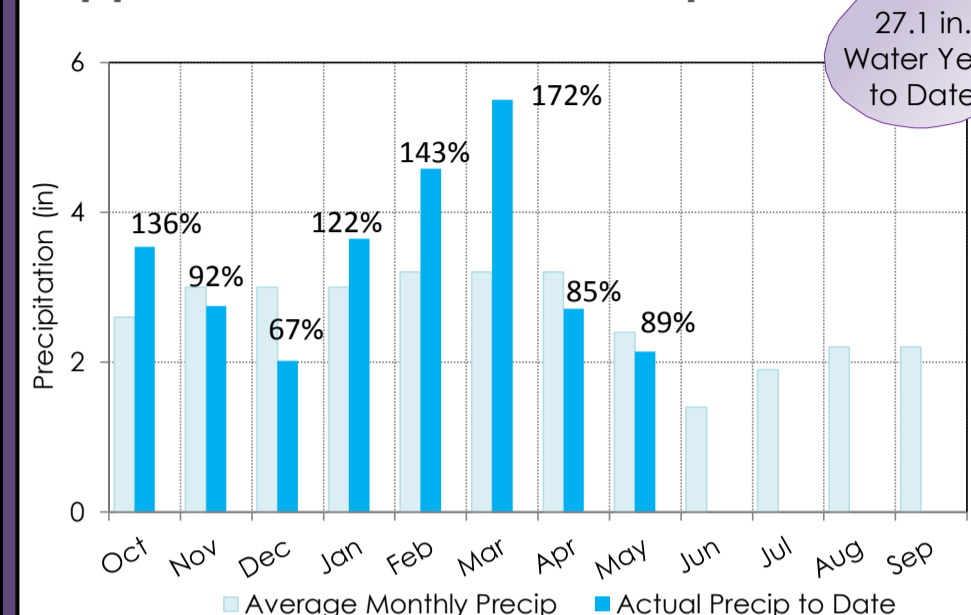
## 8 Station Index Precip



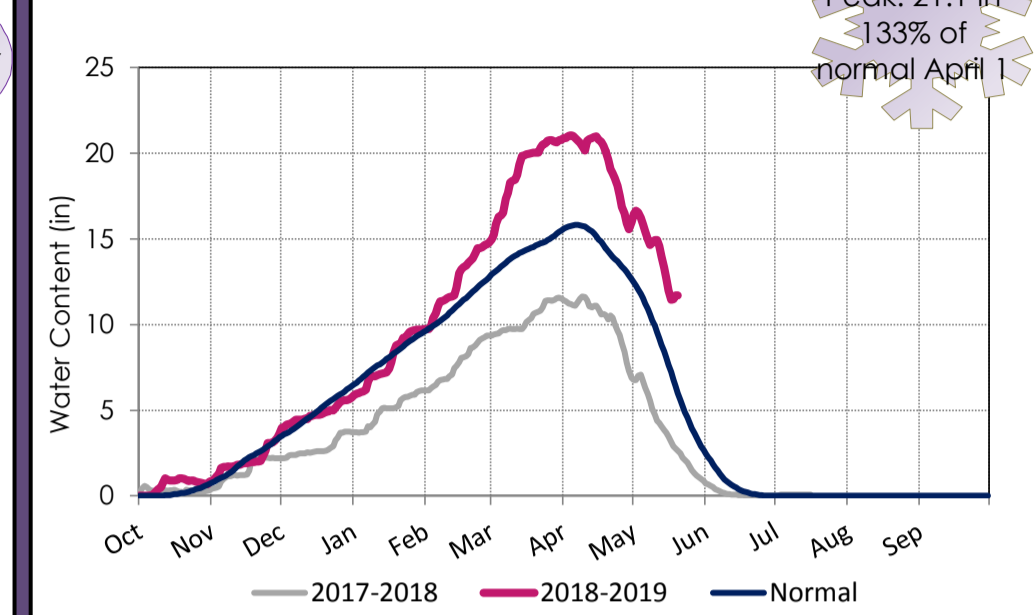
# Colorado River Resources

As of: 05/19/2019

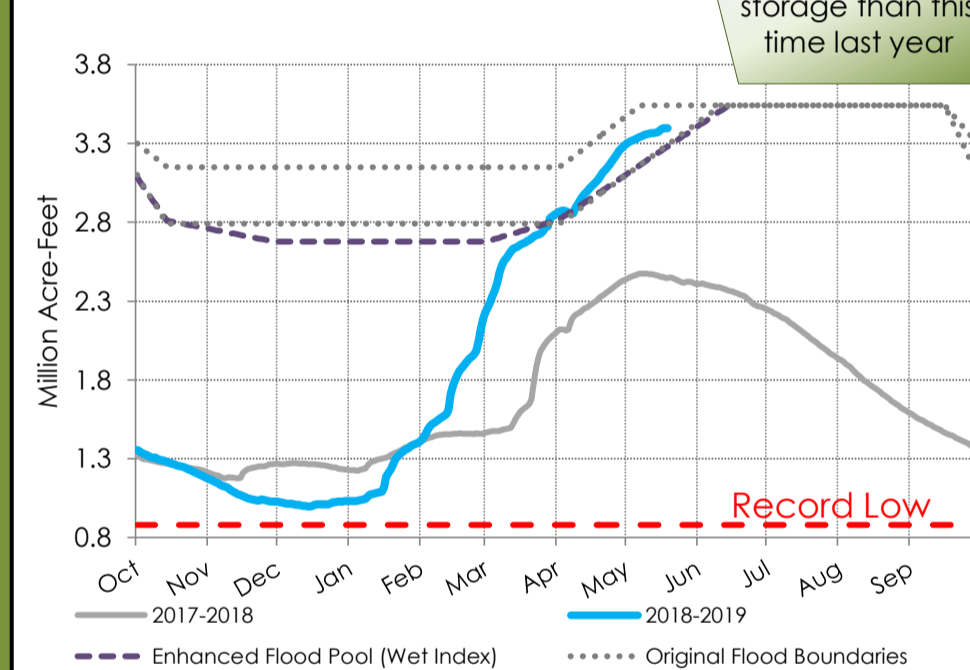
## Upper Colorado Basin Precip



## Upper Colorado Basin Snowpack



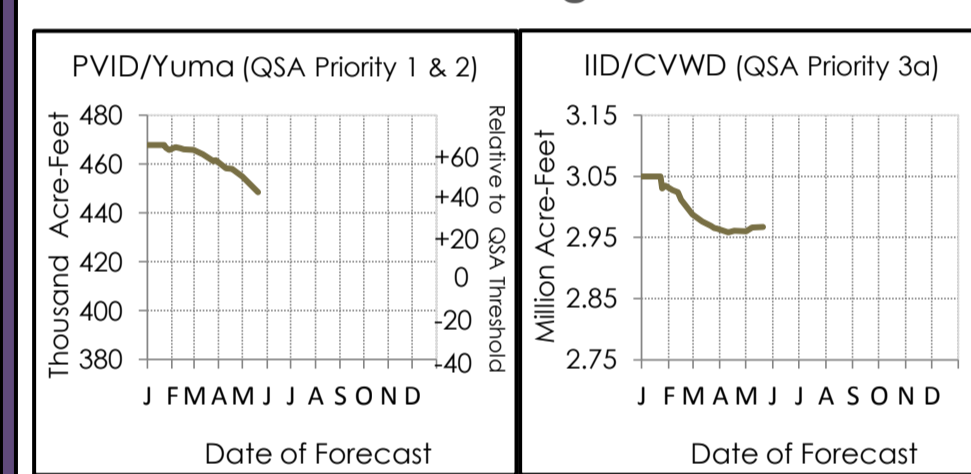
## Oroville Reservoir Storage



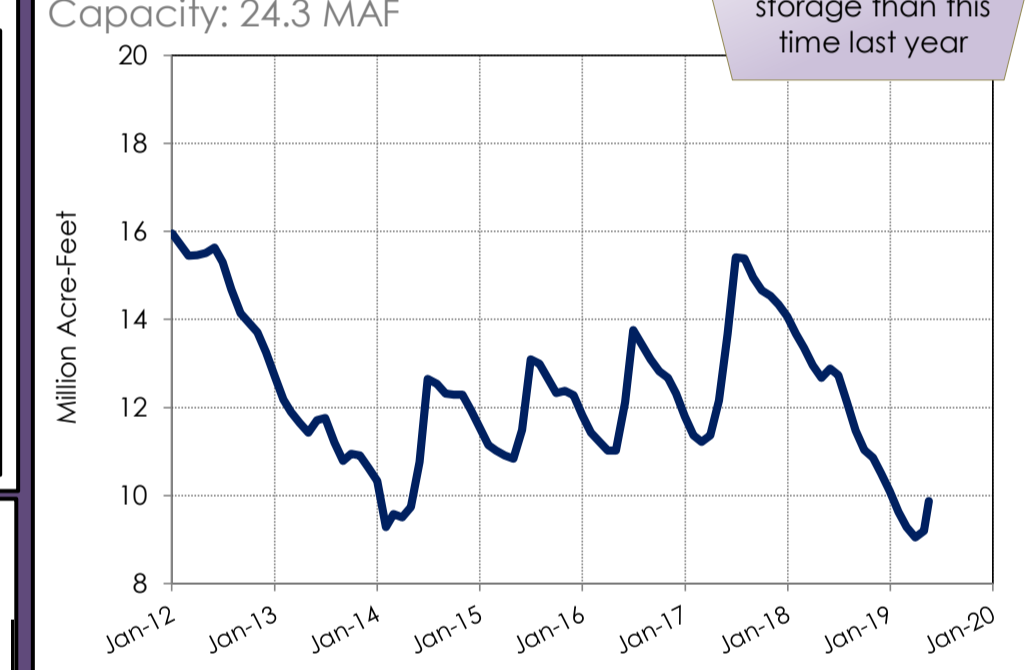
## 5 Station Index Precip



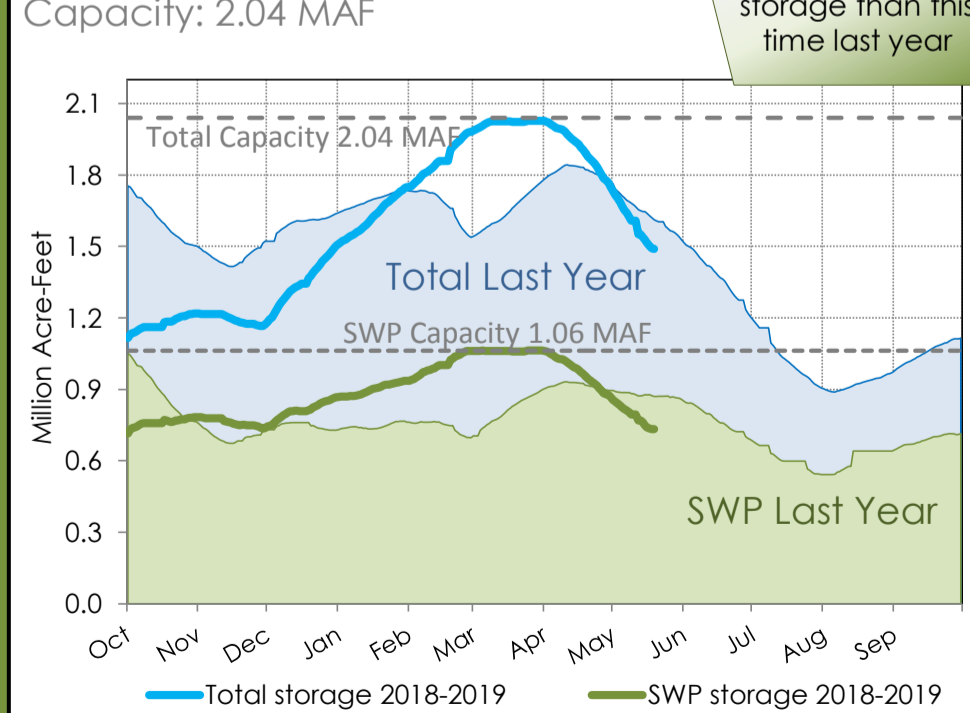
## 2018 Colorado River Ag Use



## Lake Powell Storage



## San Luis Reservoir Storage



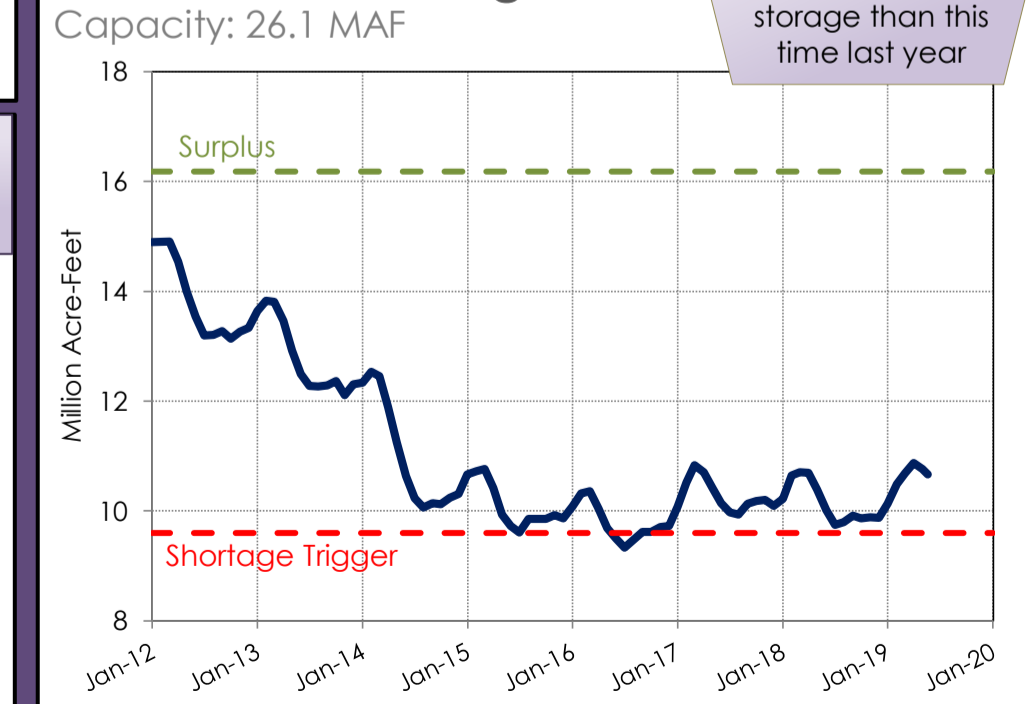
## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

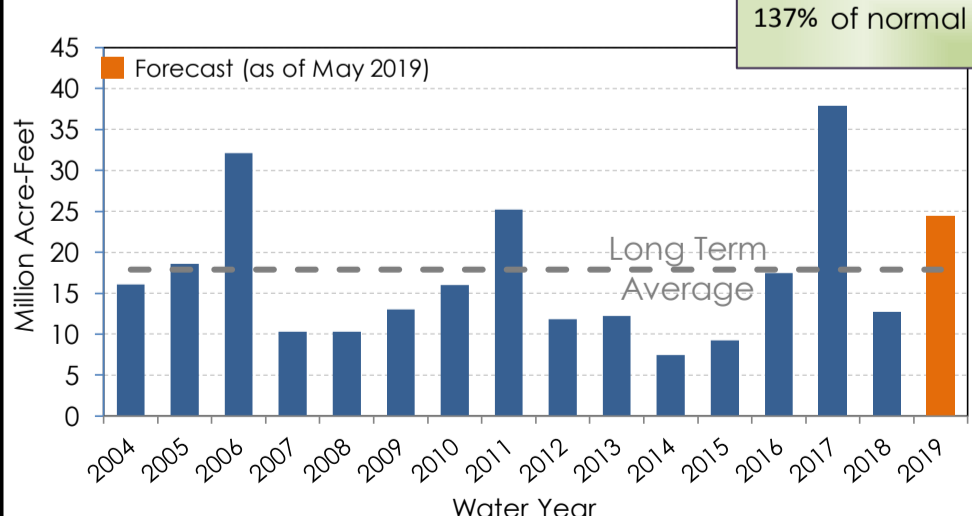
## Lake Mead Shortage/Surplus Outlook

Table Pending

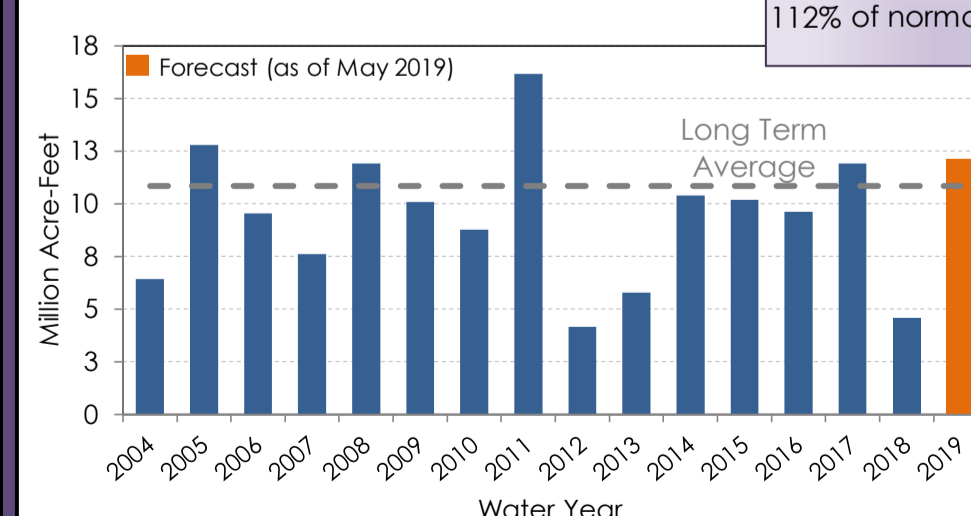
## Lake Mead Storage



## Sacramento River Runoff



## Powell Unregulated Inflow



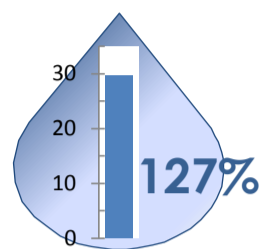


# Water Supply Conditions Report

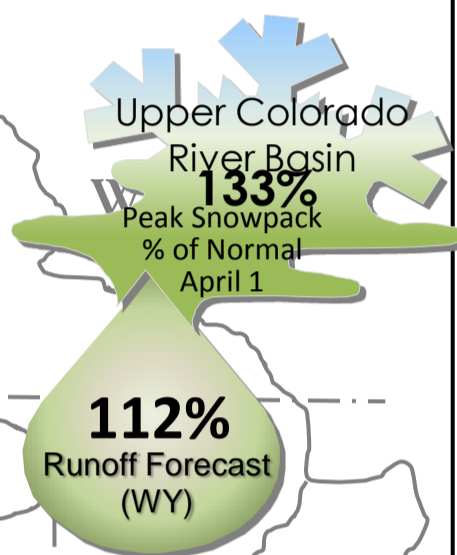
As of: 05/29/2019

## 2019 Colorado River

972,931 AF  
78% of full CRA  
Does not include storage withdrawals



29.6"



112%  
Runoff Forecast (WY)

24.3 MAF

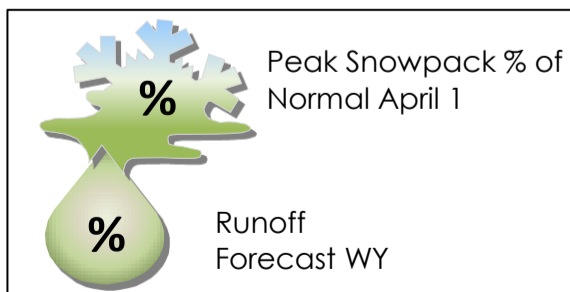
42%

POWELL  
10.27 MAF

26.1 MAF

40%

MEAD  
10.57 MAF  
1086.7 FT



Turn page for more CRA Data

Flip Over for SWP

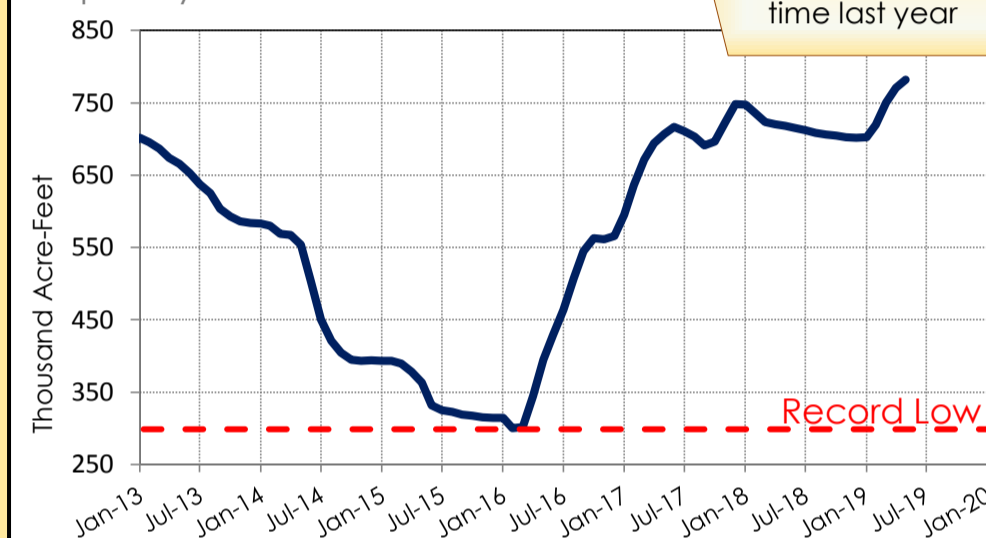
## Highlights

- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal

## Diamond Valley Lake Storage

Capacity: 810 TAF

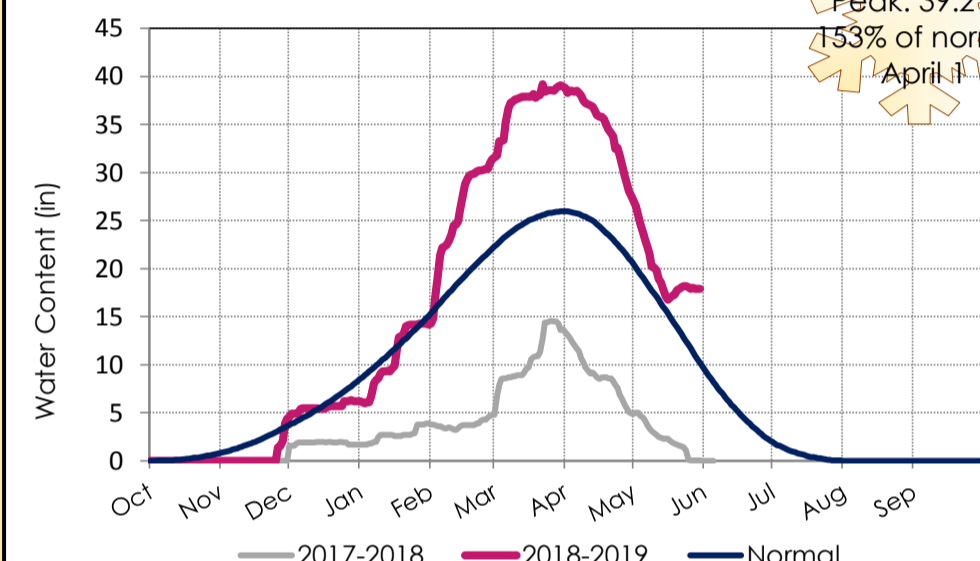
64 TAF more in storage than this time last year



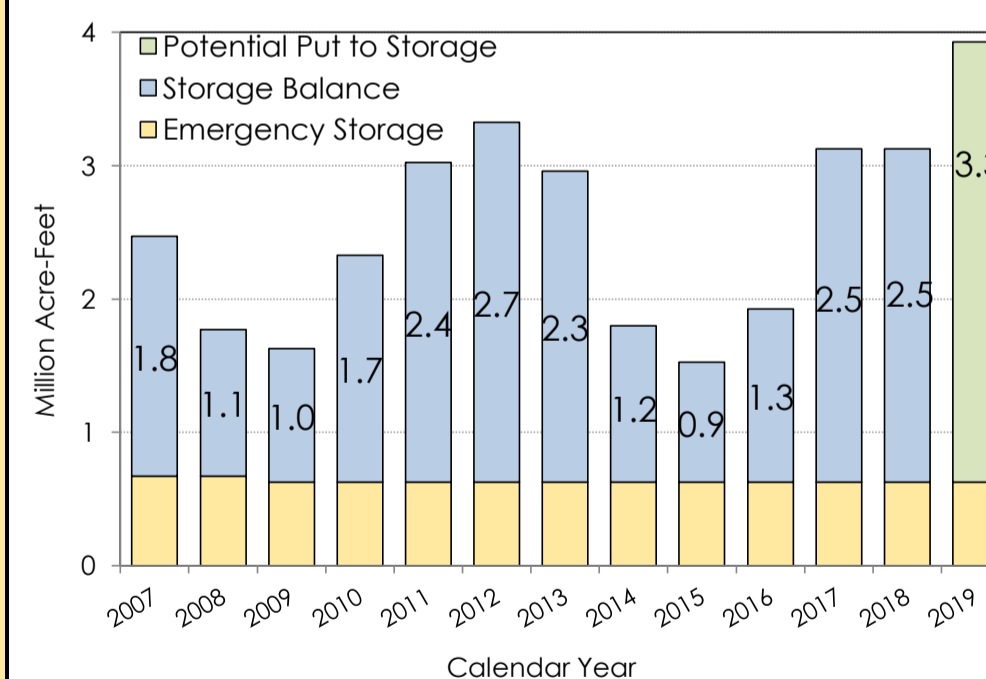
Record Low

## Southern Sierra Snowpack

Peak: 39.2 in.  
153% of normal  
April 1



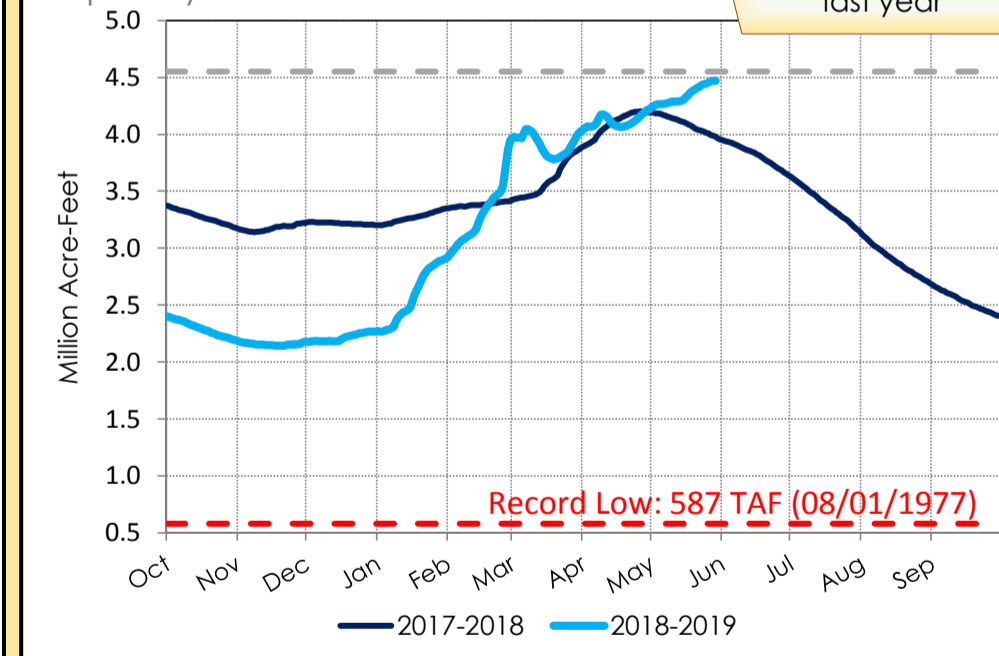
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

491 TAF more in storage than this time last year



Record Low: 587 TAF (08/01/1977)



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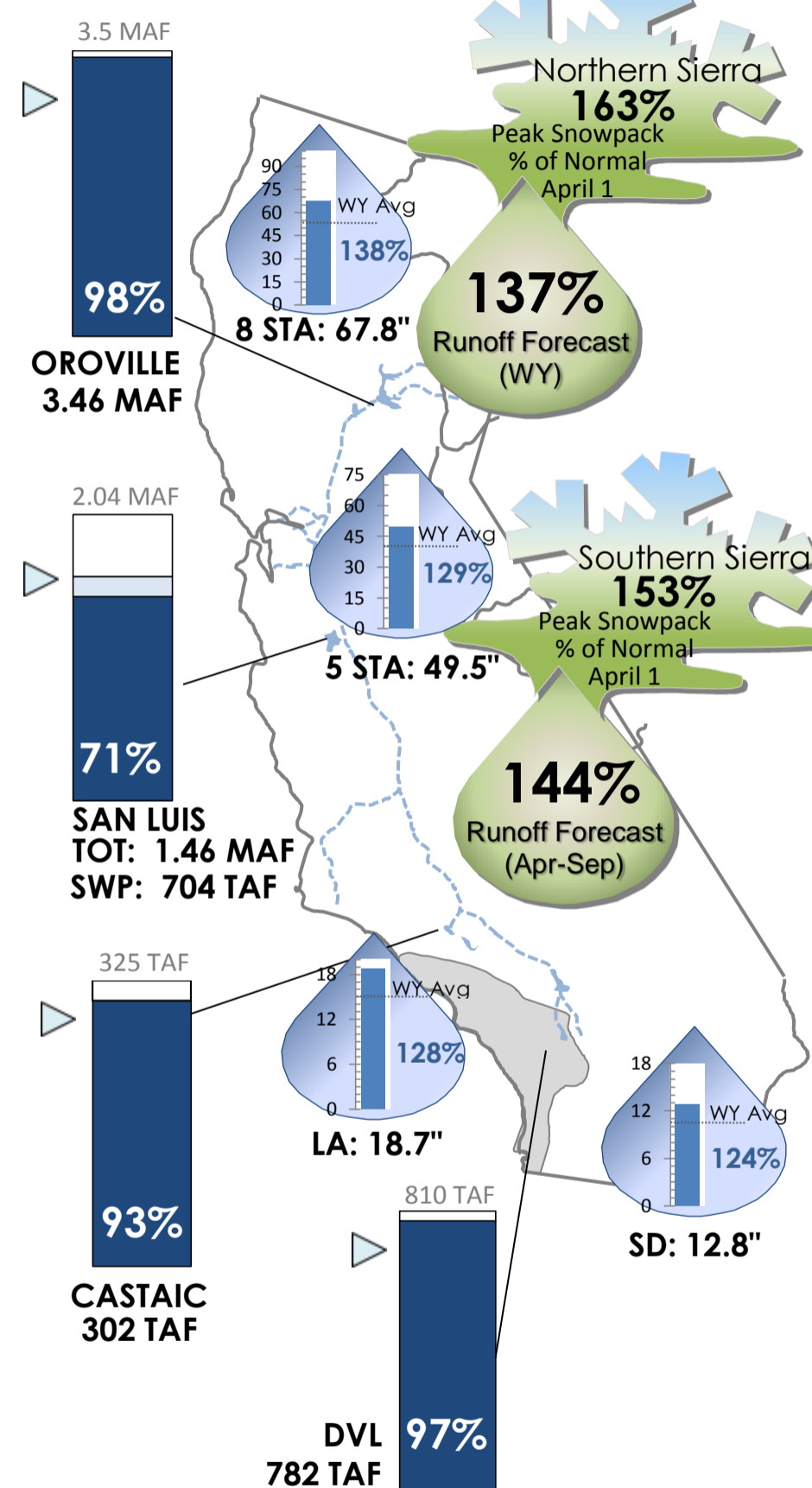


# Water Supply Conditions Report

As of: 05/29/2019

## 2019 SWP Allocation

1,338,050 AF  
70% of Table A

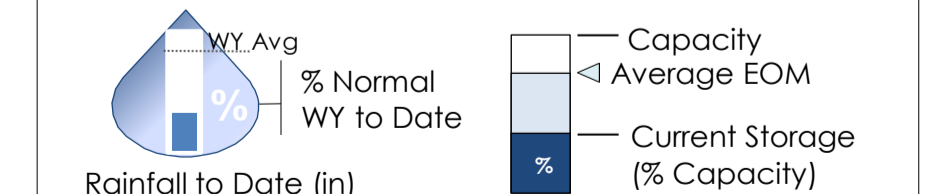


98%  
OROVILLE  
3.46 MAF

71%  
SAN LUIS  
TOT: 1.46 MAF  
SWP: 704 TAF

93%  
CASTAIC  
302 TAF

DVL  
782 TAF



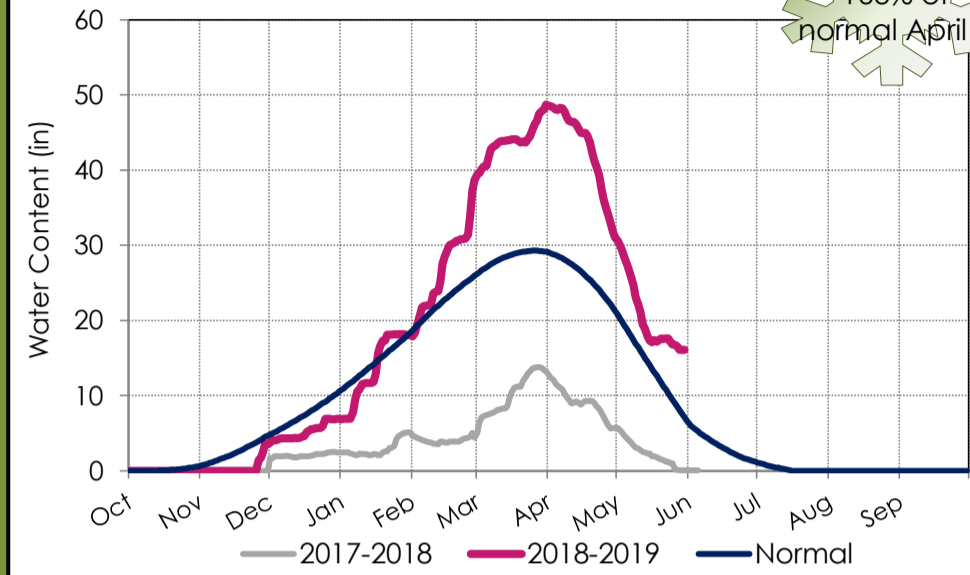
Flip Over for CRA Data

Turn page for more SWP Data

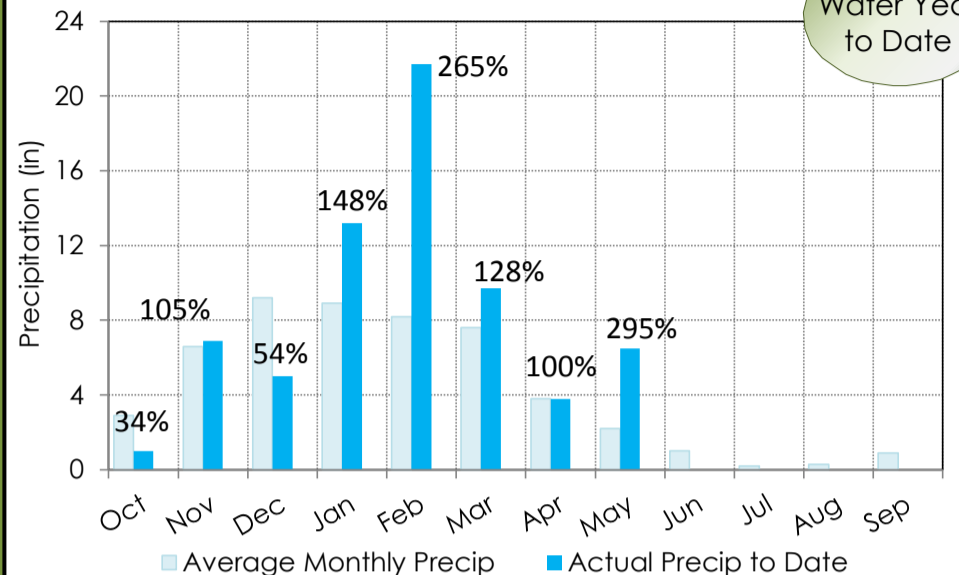
As of: 05/29/2019

# State Water Project Resources

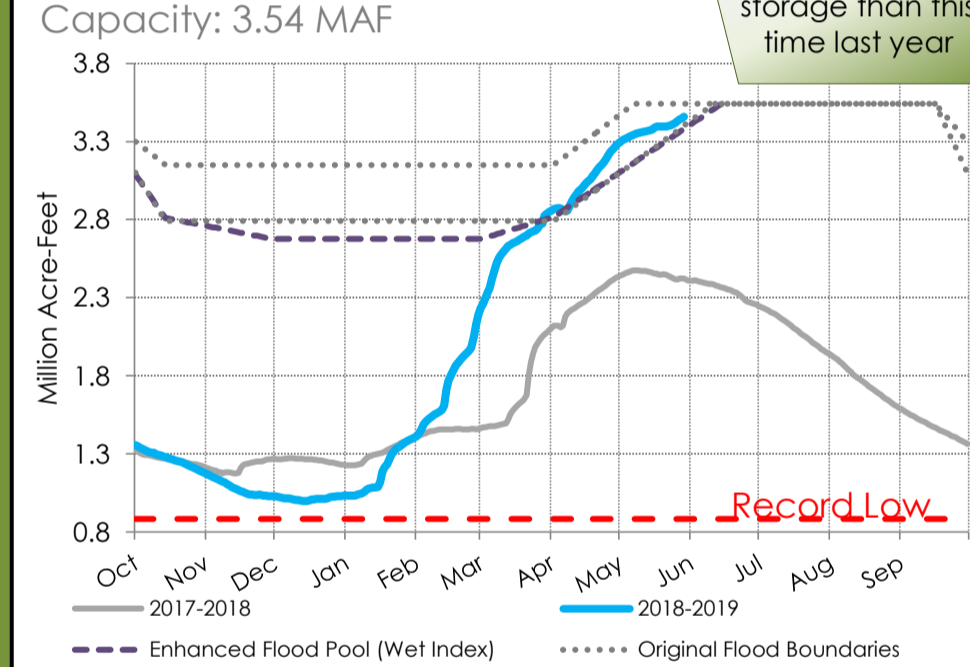
## Northern Sierra Snowpack



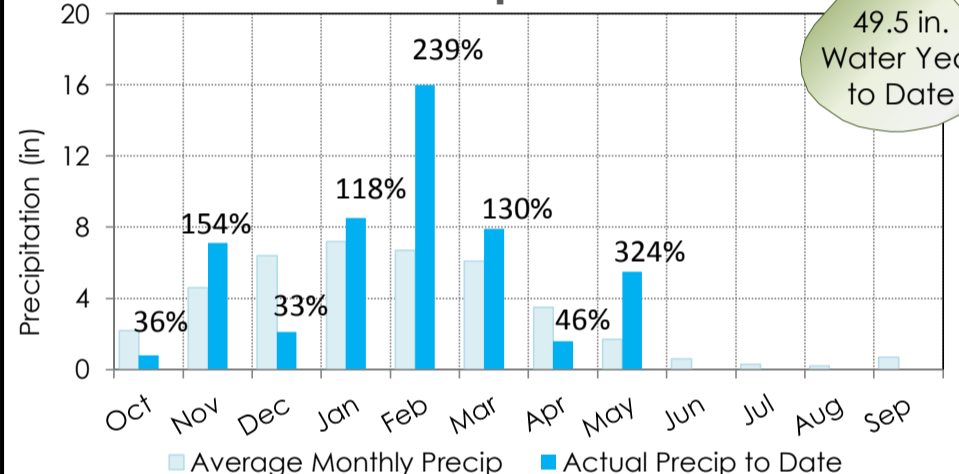
## 8 Station Index Precip



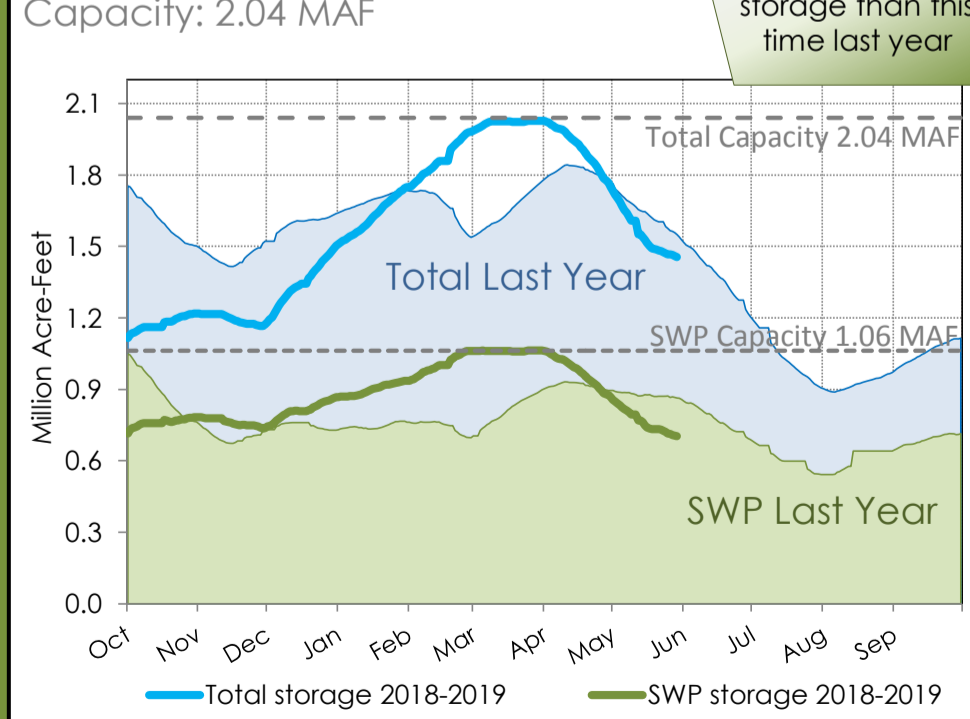
## Oroville Reservoir Storage



## 5 Station Index Precip



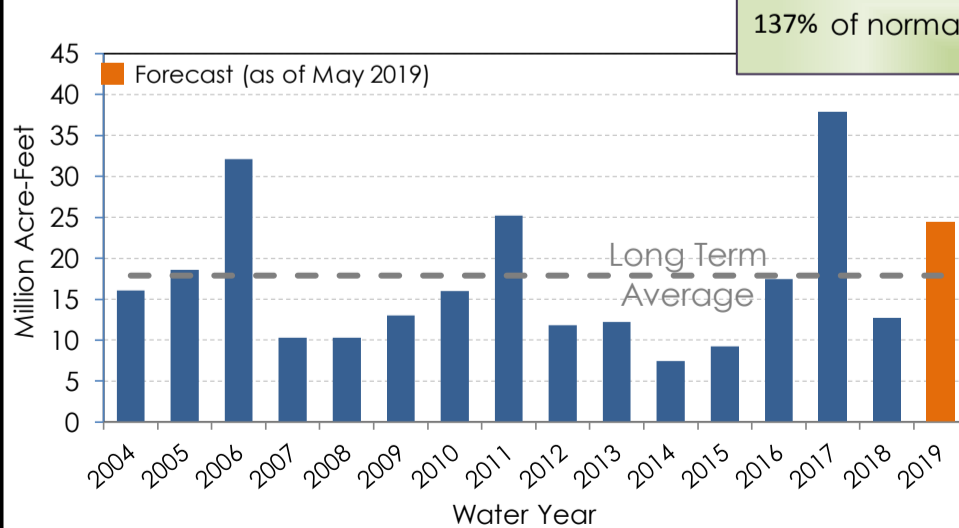
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

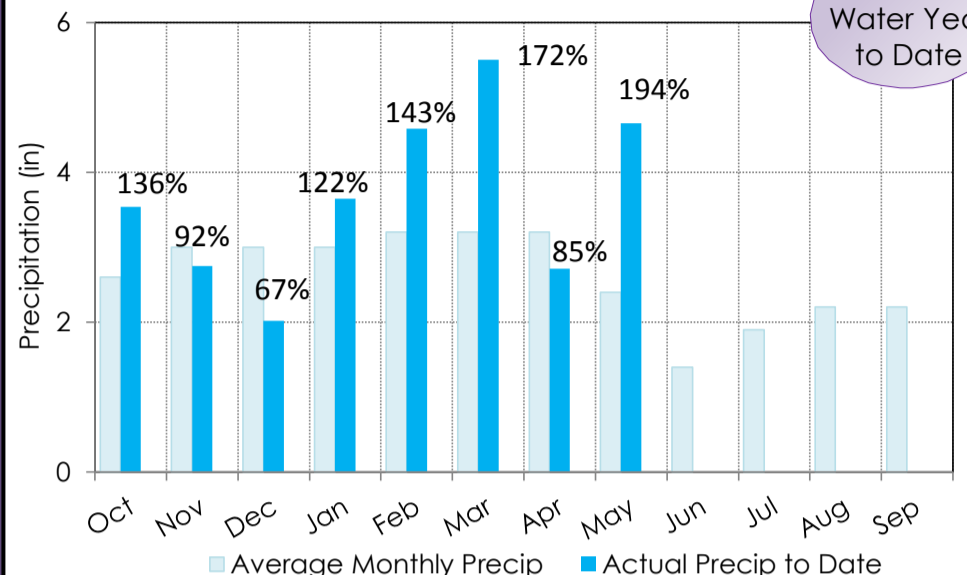
## Sacramento River Runoff



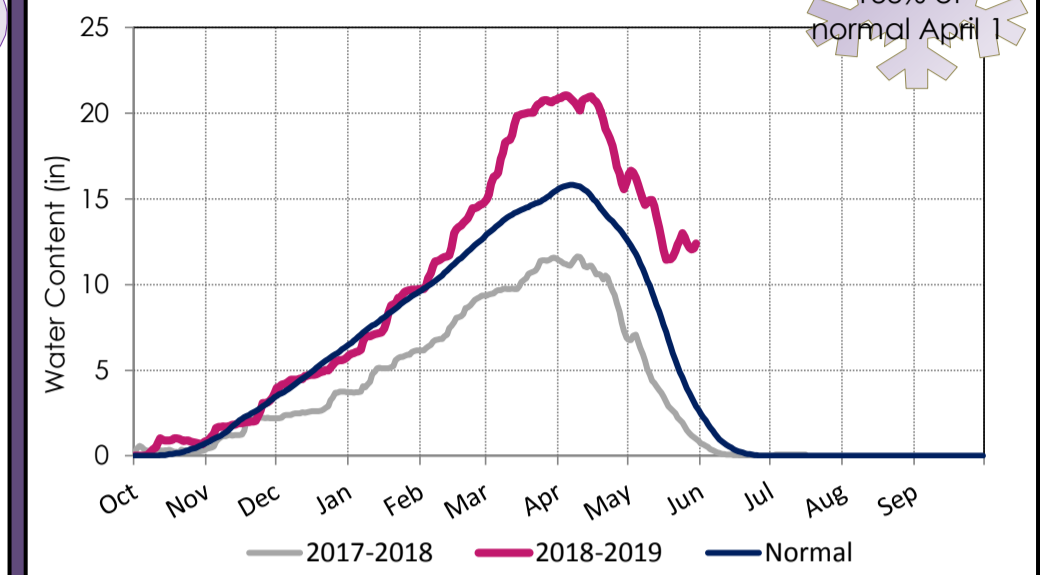
# Colorado River Resources

As of: 05/29/2019

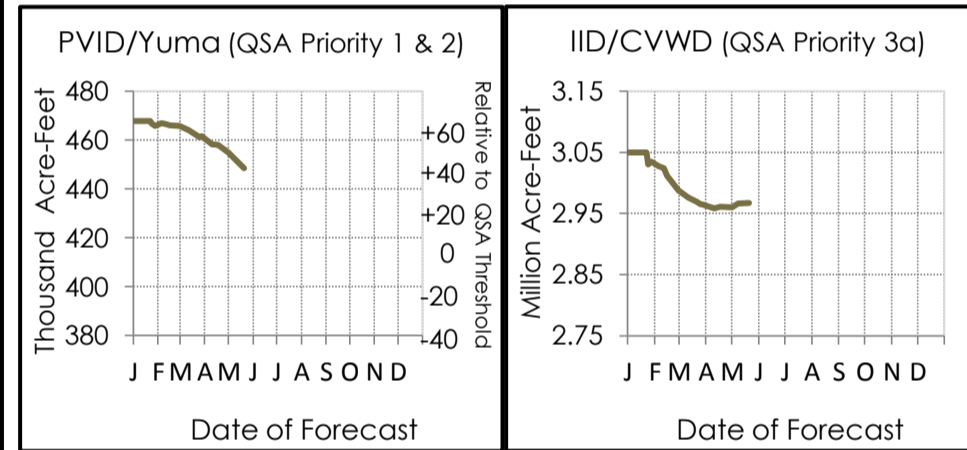
## Upper Colorado Basin Precip



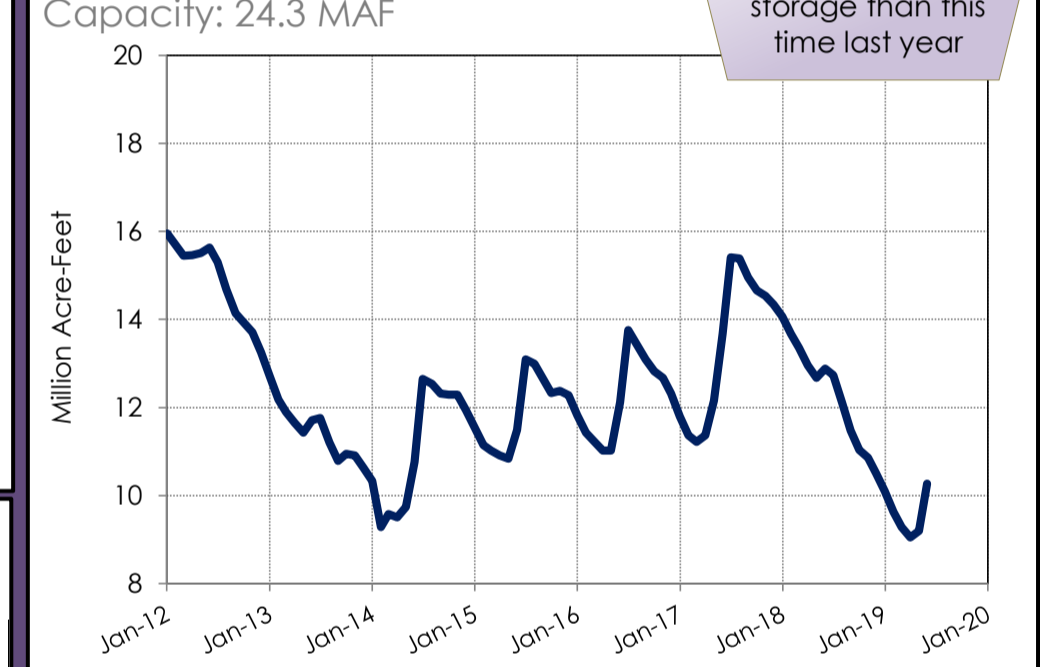
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



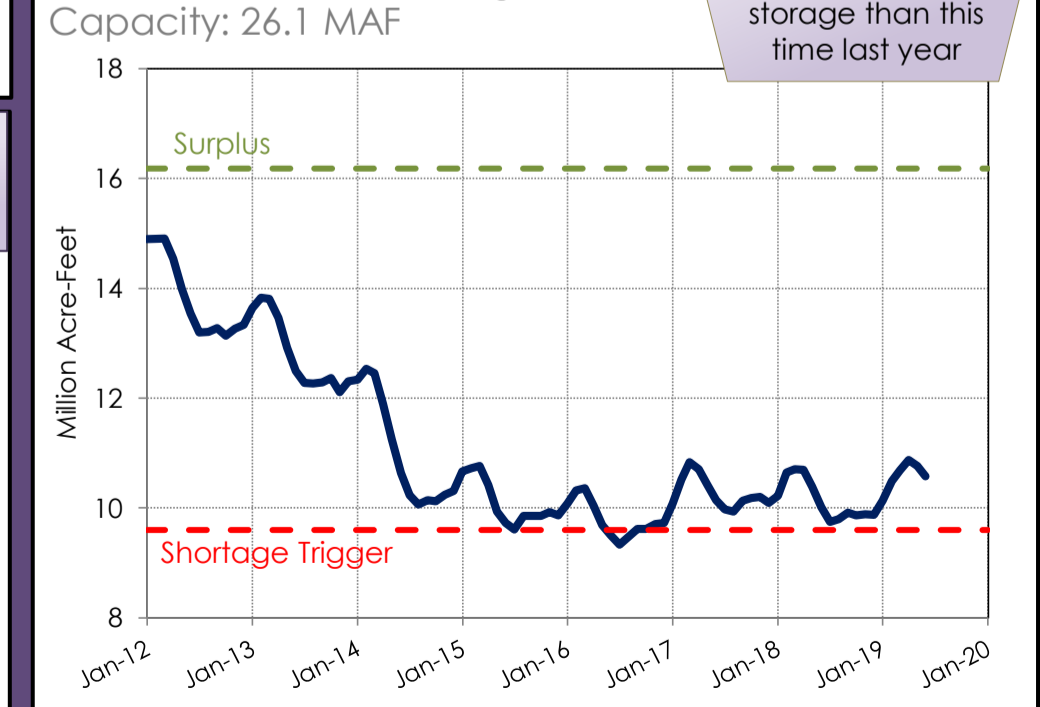
## Lake Powell Storage



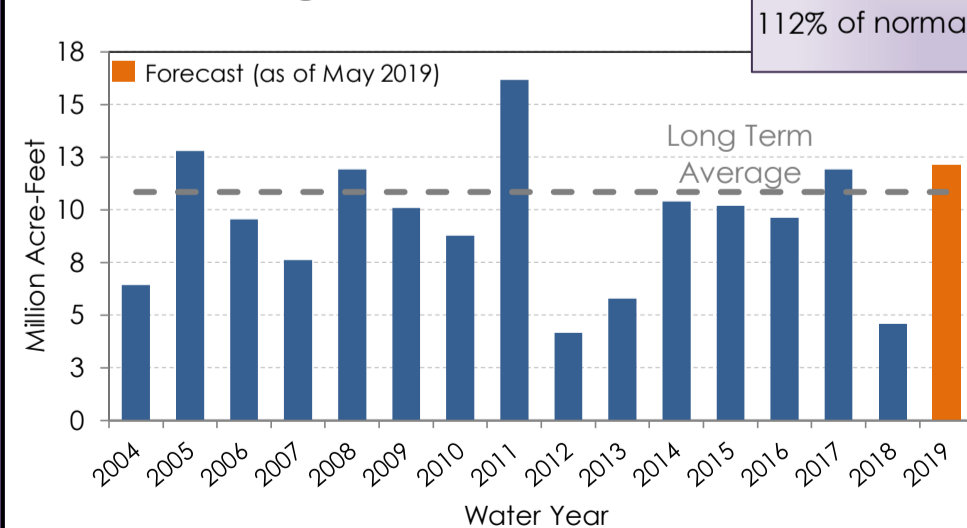
## Lake Mead Shortage/Surplus Outlook

Table Pending

## Lake Mead Storage



## Powell Unregulated Inflow



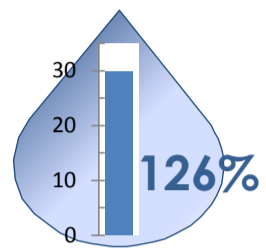


# Water Supply Conditions Report

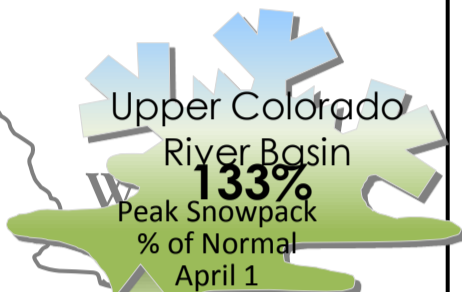
As of: 06/06/2019

## 2019 Colorado River

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Does not include storage withdrawals



29.9"



124%  
Runoff Forecast (WY)

24.3 MAF

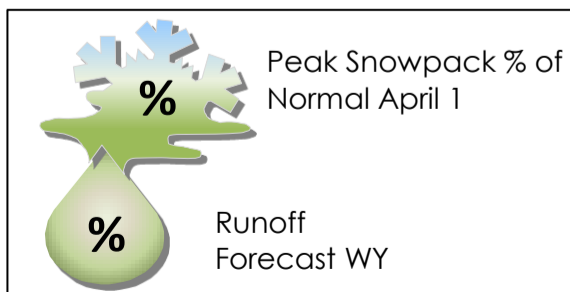
44%

POWELL  
10.6 MAF

26.1 MAF

40%

MEAD  
10.5 MAF  
1085.79 FT



Turn page for more CRA Data

Flip Over for SWP

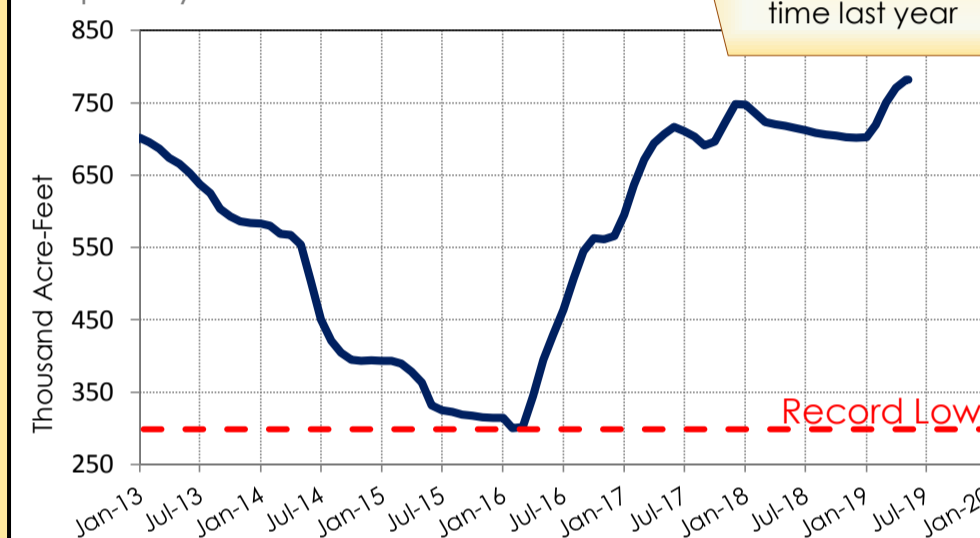
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- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- ◆ Lake Powell inflow forecast is at 124% of normal

## Diamond Valley Lake Storage

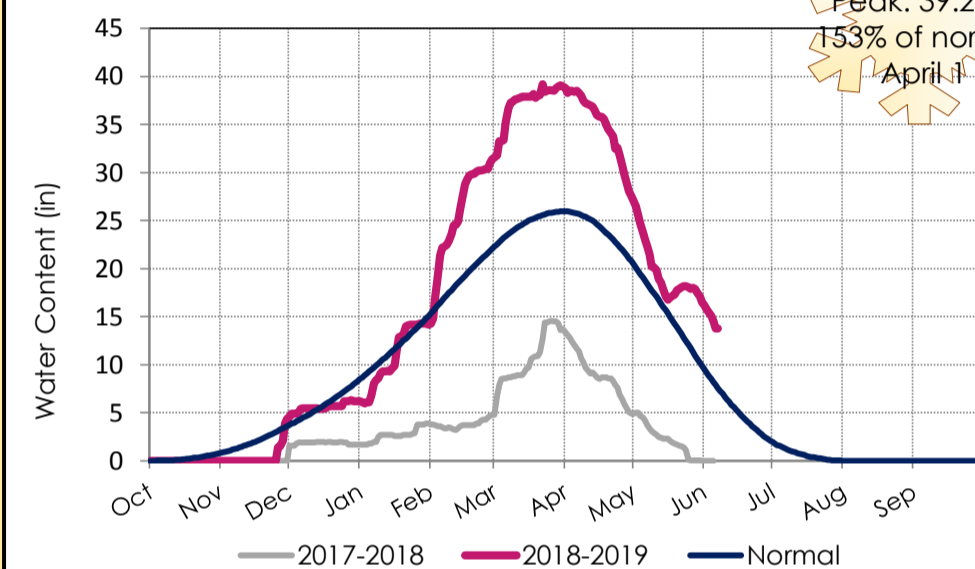
Capacity: 810 TAF

65 TAF more in storage than this time last year

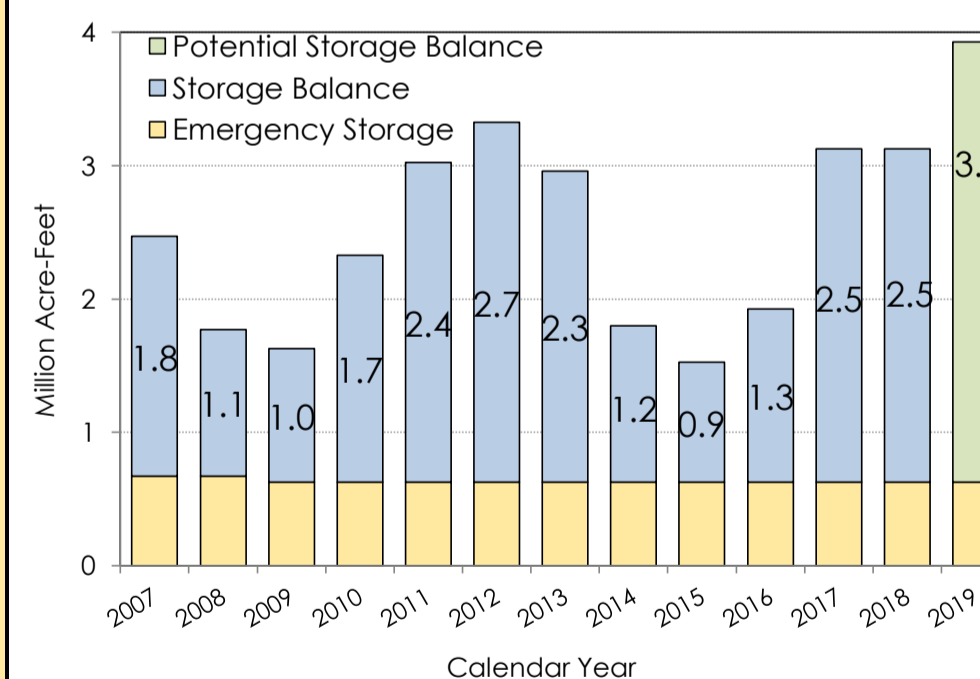


## Southern Sierra Snowpack

Peak: 39.2 in.  
153% of normal  
April 1



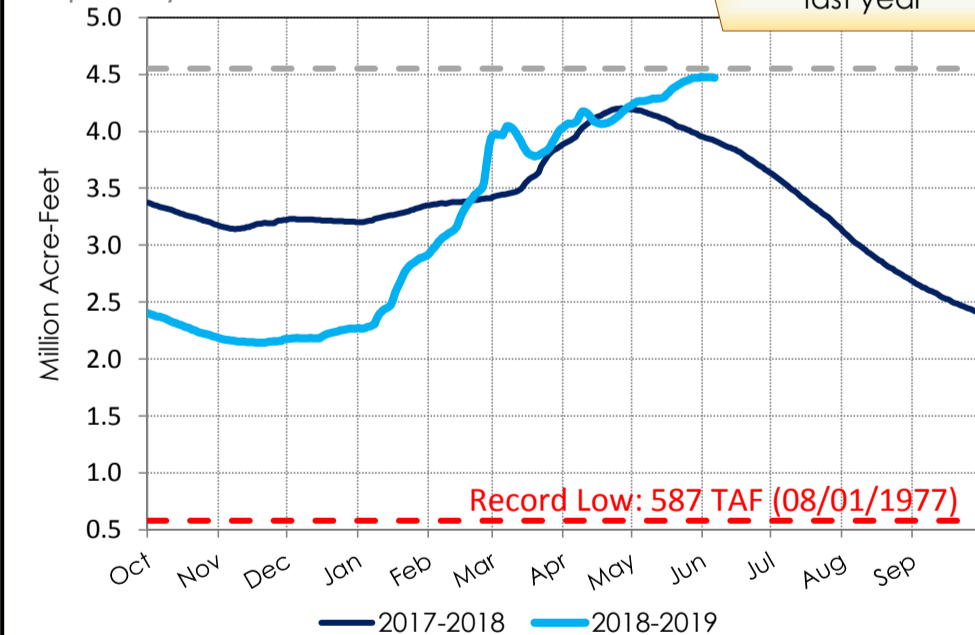
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

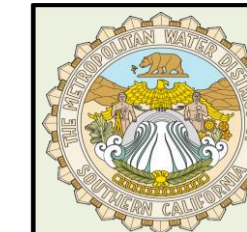
555 TAF more in storage than this time last year



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<http://www.mwdh2o.com/WSCR>

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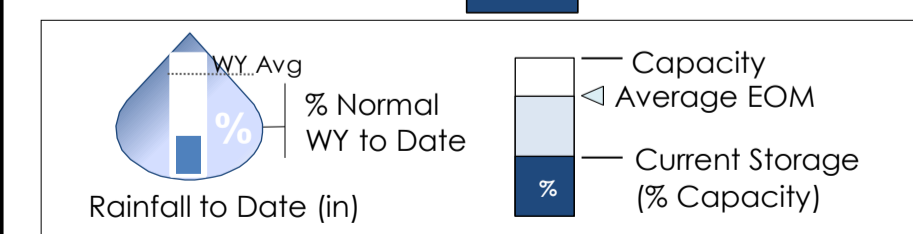
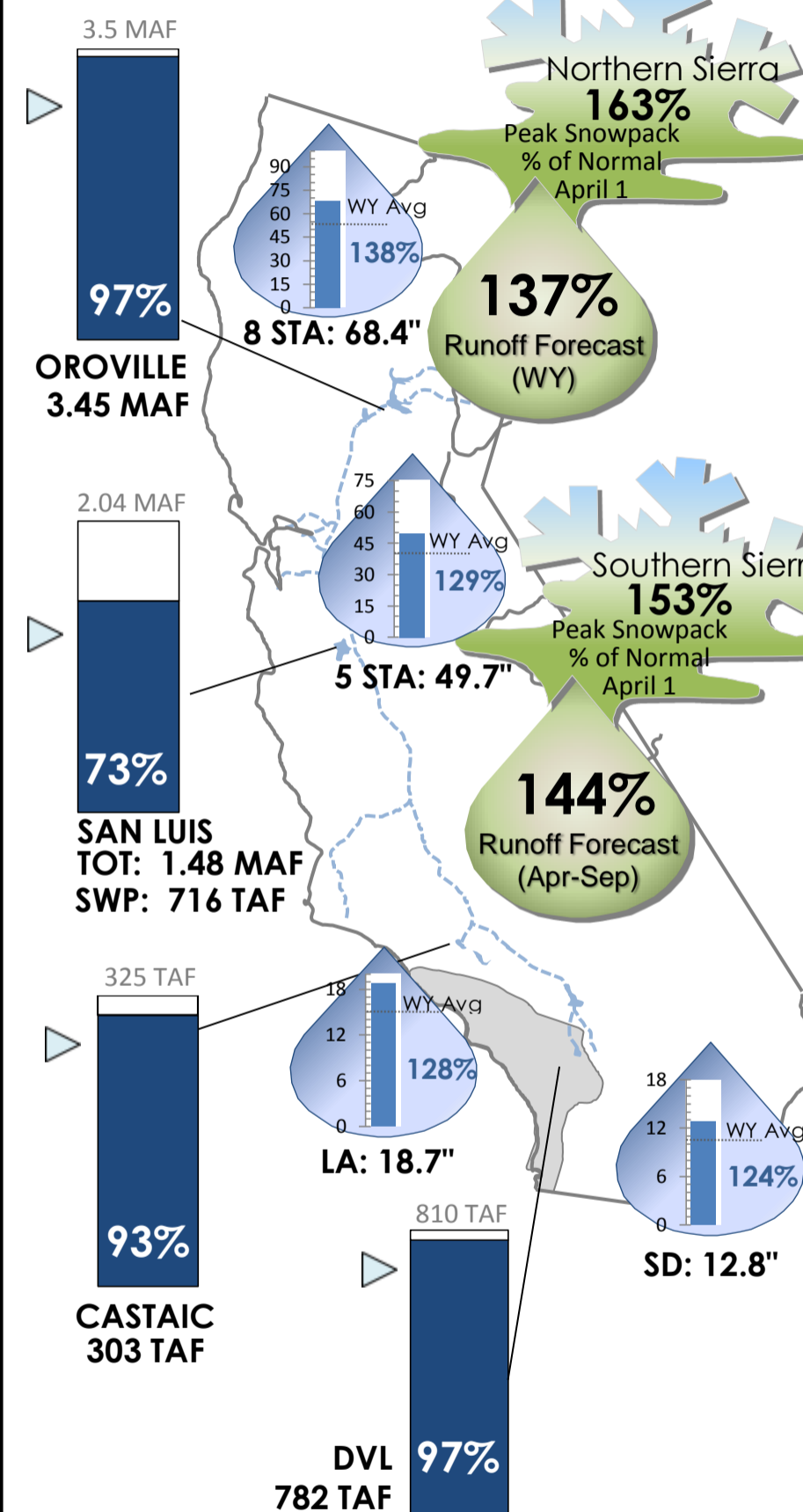


# Water Supply Conditions Report

As of: 06/06/2019

## 2019 SWP Allocation

1,338,050 AF  
70% of Table A



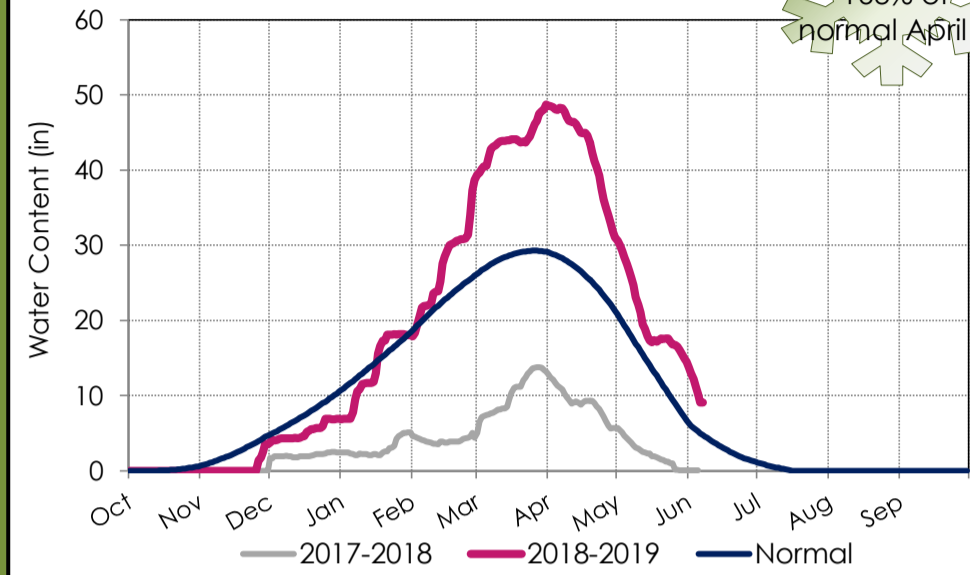
Flip Over for CRA Data

Turn page for more SWP Data

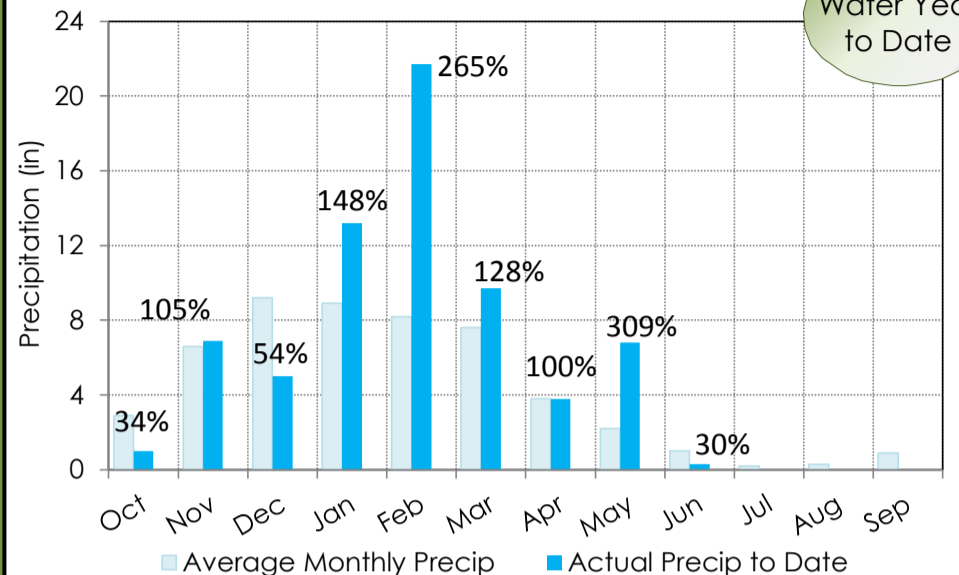
As of: 06/06/2019

# State Water Project Resources

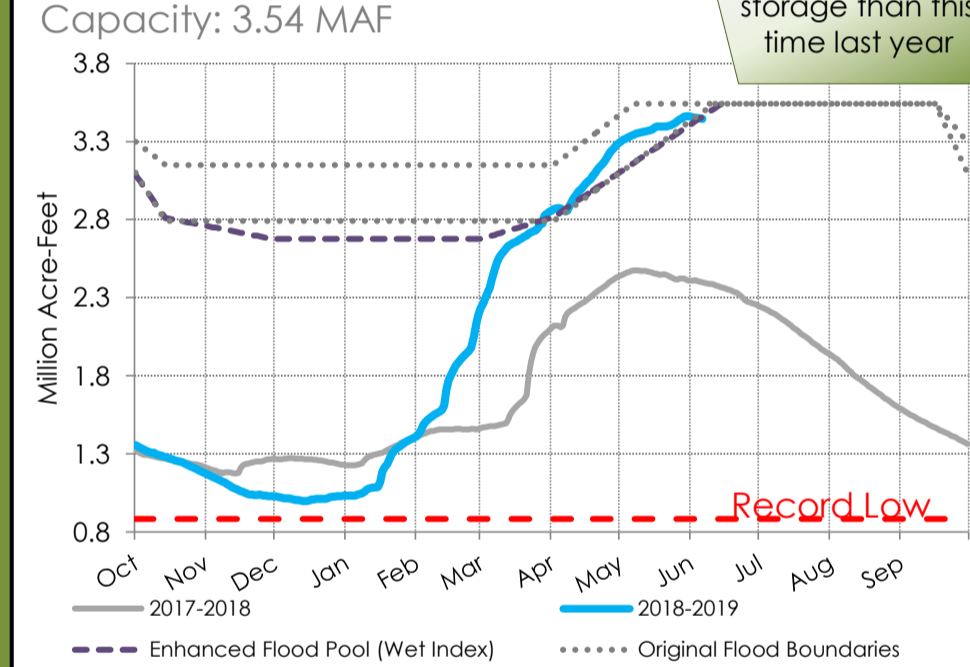
## Northern Sierra Snowpack



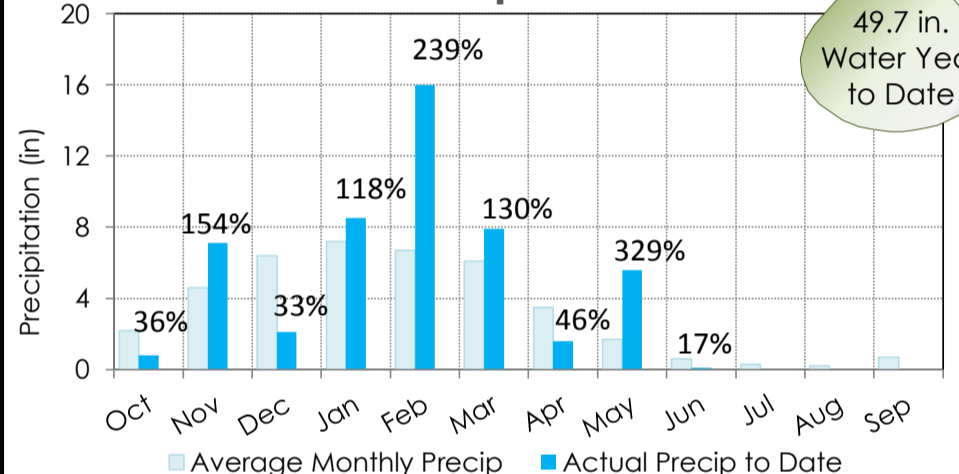
## 8 Station Index Precip



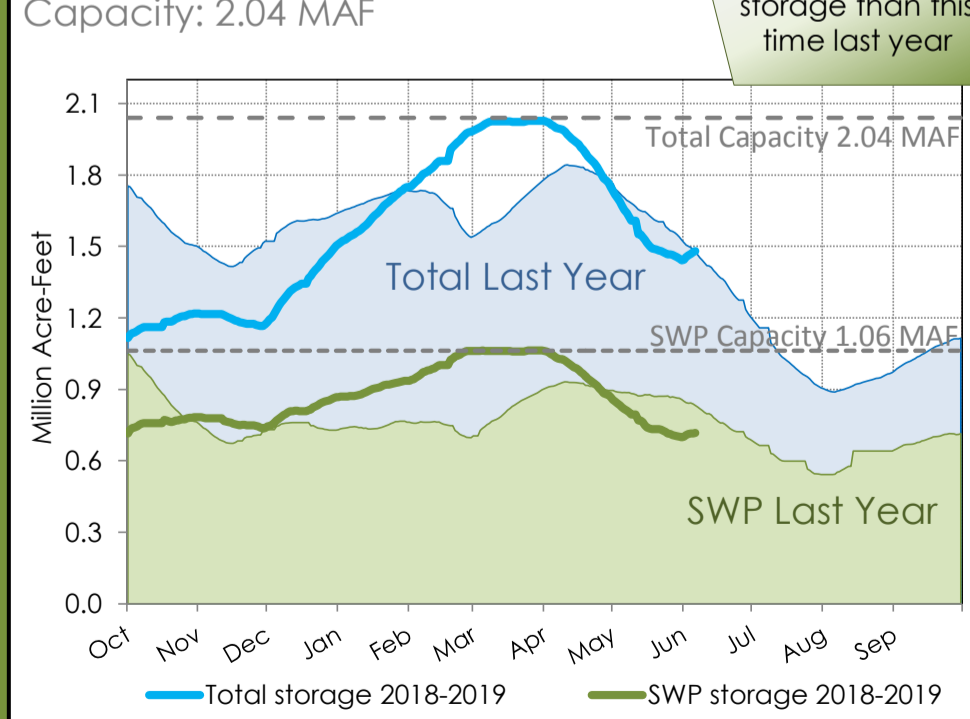
## Oroville Reservoir Storage



## 5 Station Index Precip



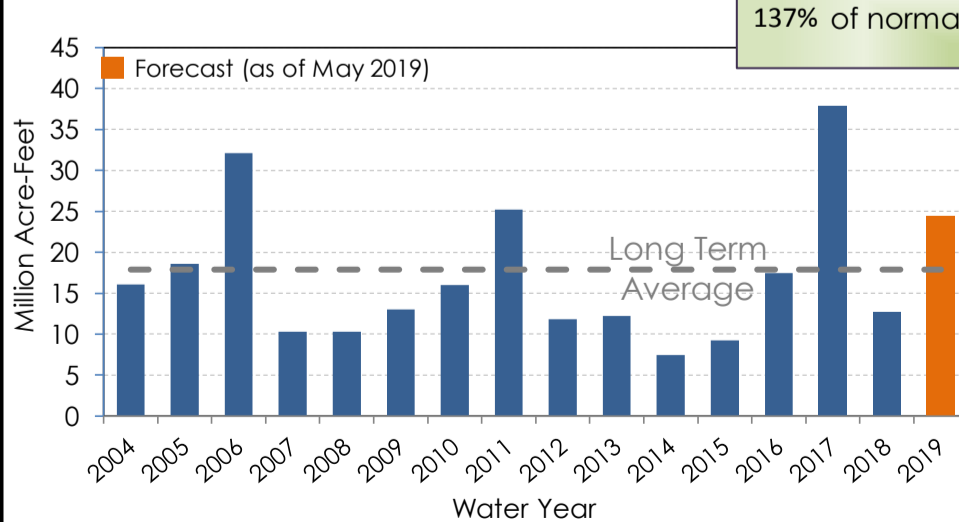
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

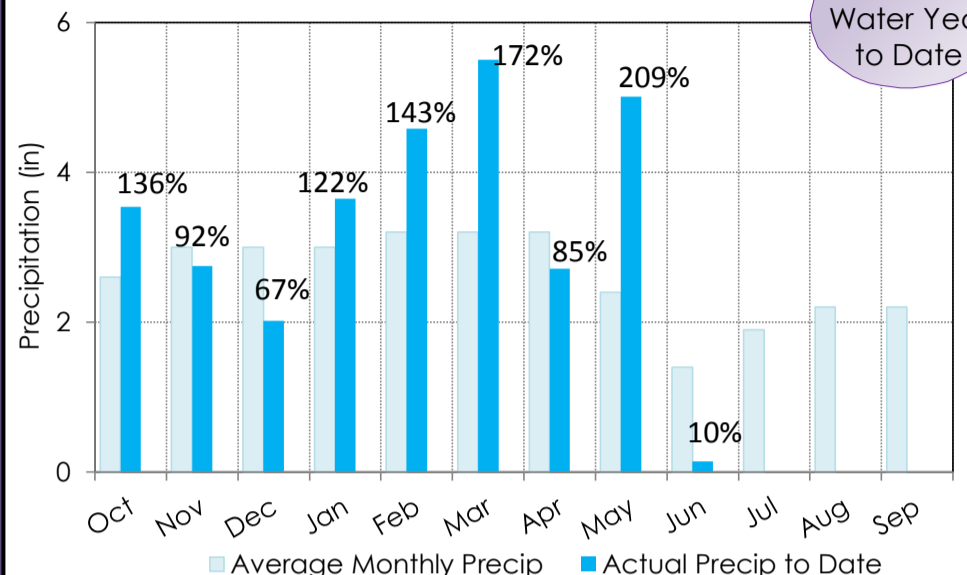
## Sacramento River Runoff



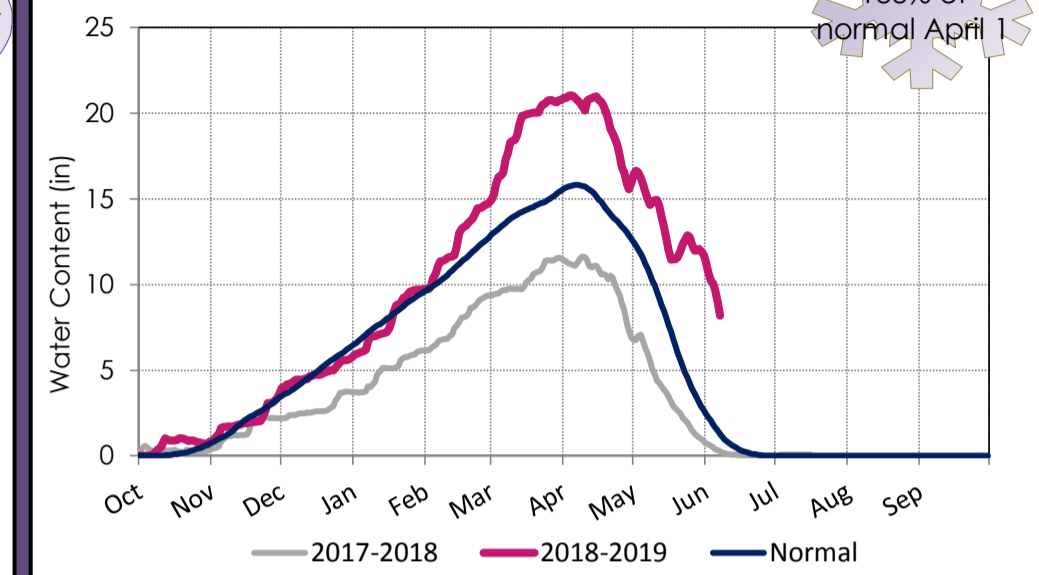
# Colorado River Resources

As of: 06/06/2019

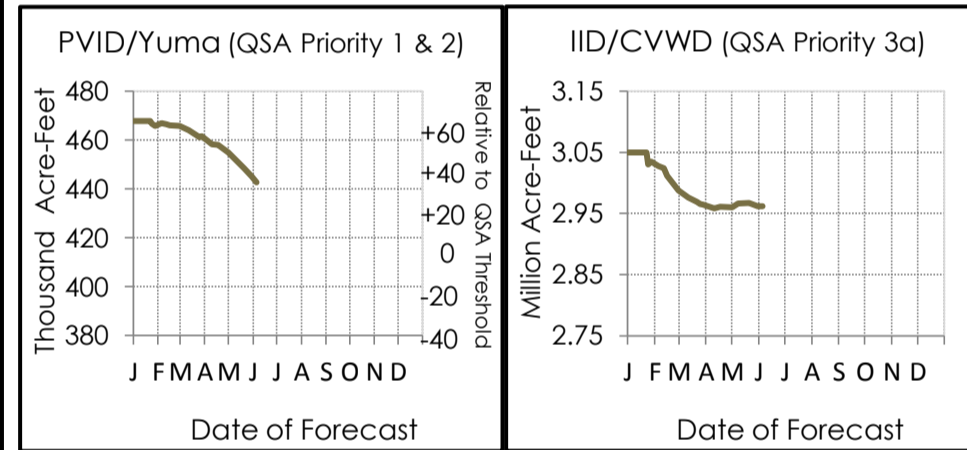
## Upper Colorado Basin Precip



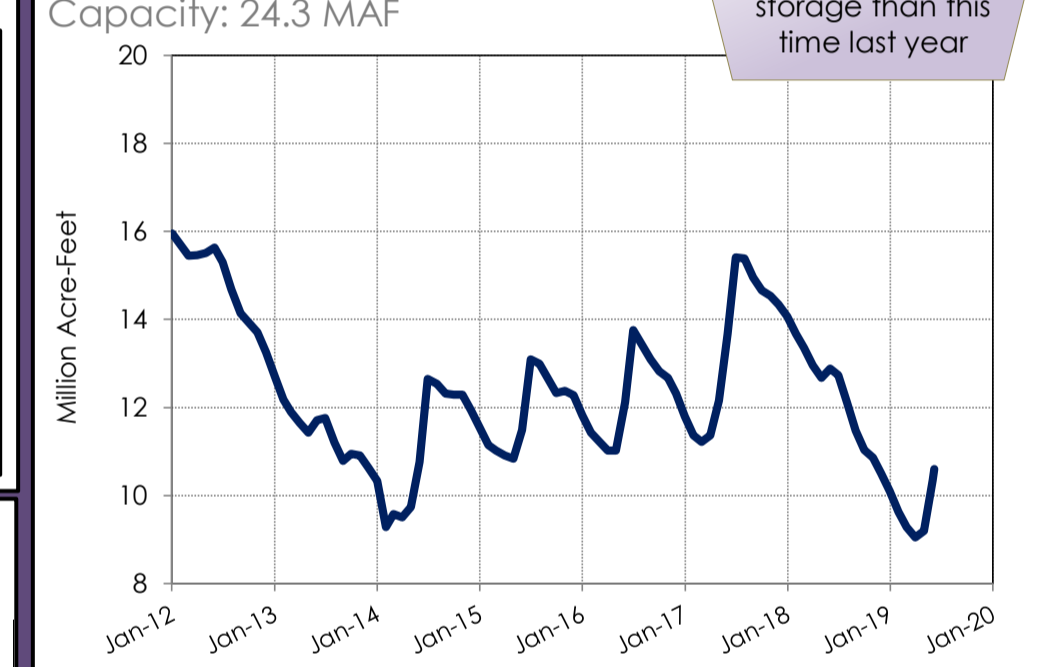
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



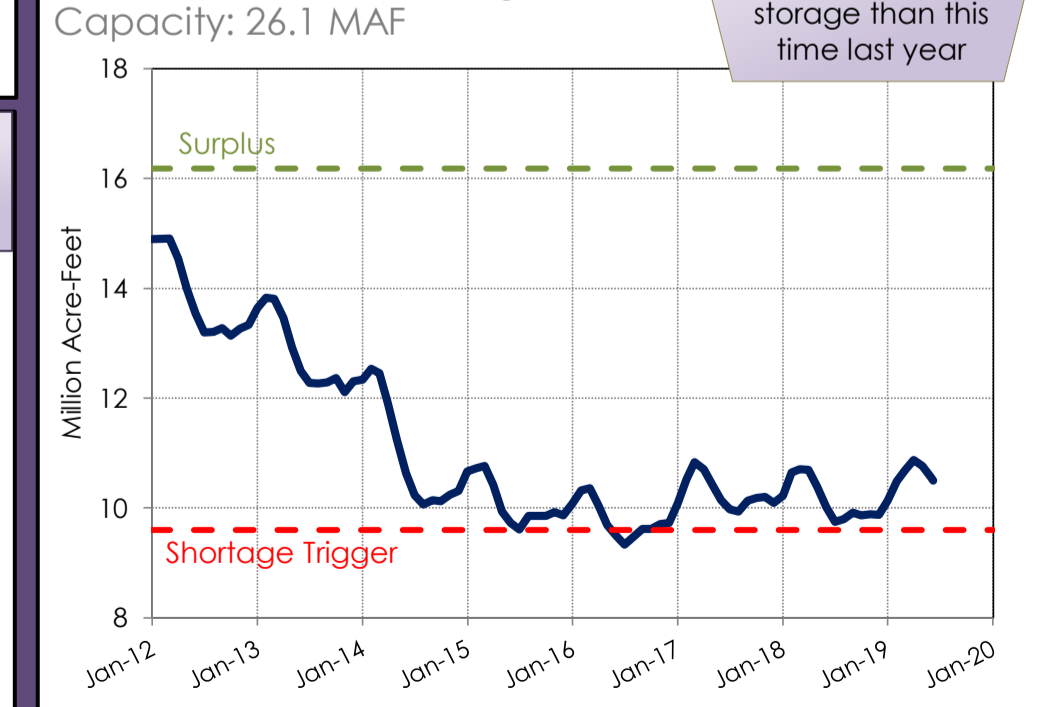
## Lake Powell Storage



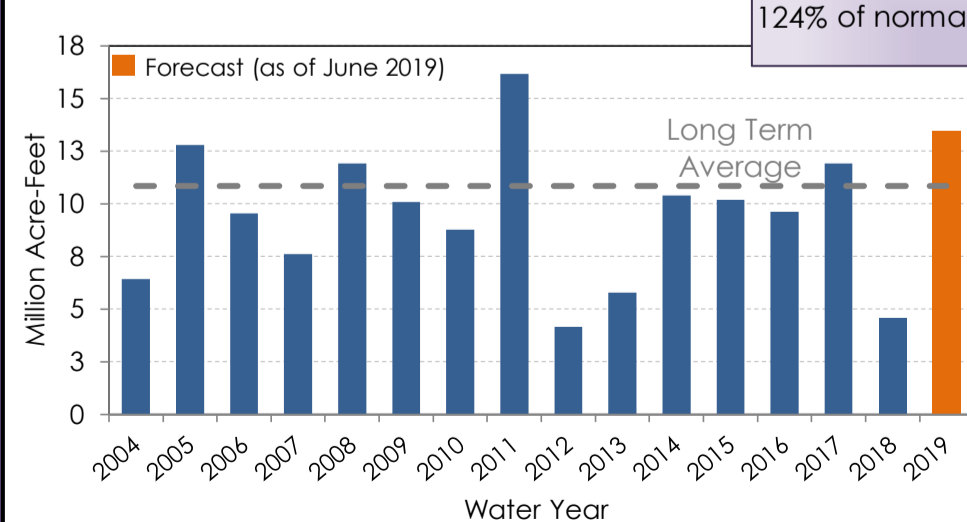
## Lake Mead Shortage/Surplus Outlook

Table Pending

## Lake Mead Storage



## Powell Unregulated Inflow



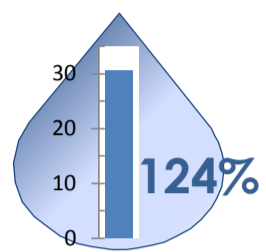


# Water Supply Conditions Report

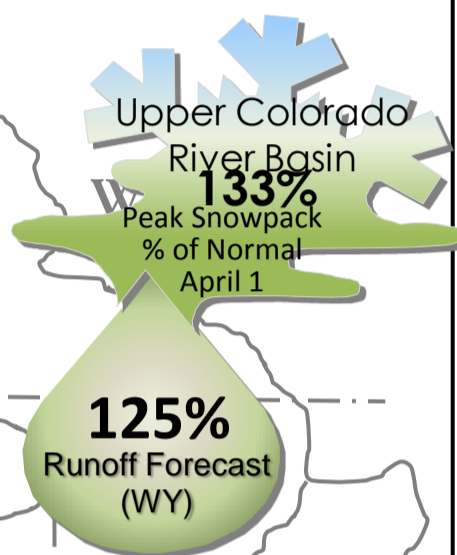
As of: 06/20/2019

## 2019 Colorado River

972,931 AF  
78% of full CRA  
Does not include storage withdrawals



30.6"



125%  
Runoff Forecast (WY)

24.3 MAF

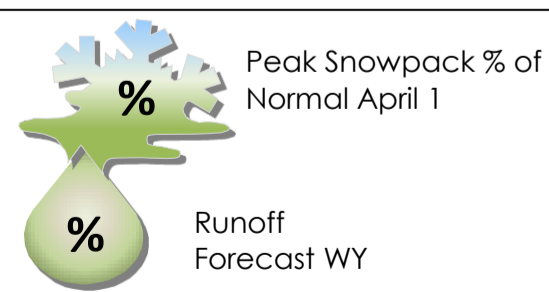
50%

POWELL  
12.06 MAF

26.1 MAF

40%

MEAD  
10.43 MAF  
1085.05 FT



Peak Snowpack % of Normal April 1

Runoff Forecast WY

Turn page for more CRA Data

Flip Over for SWP

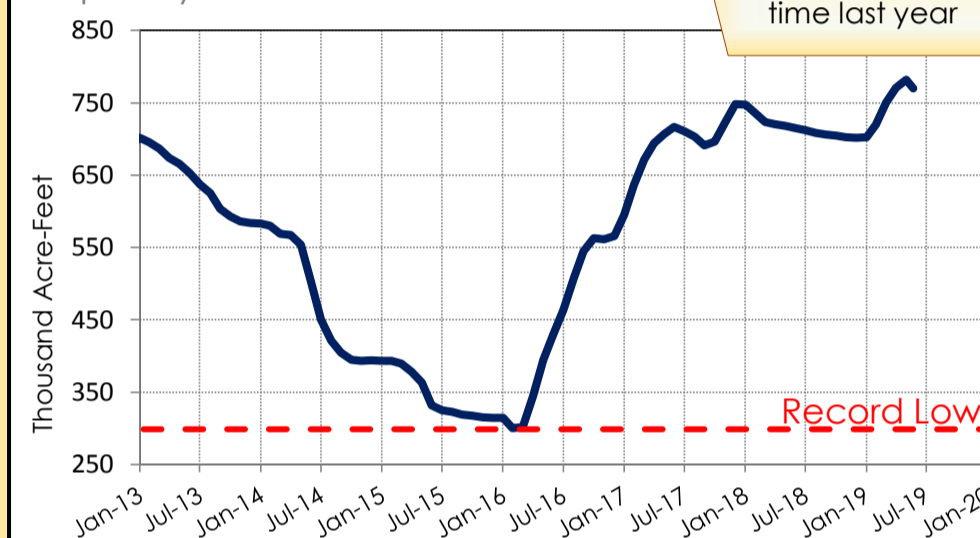
## Highlights

- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- ◆ Lake Powell inflow forecast is at 125% of normal

## Diamond Valley Lake Storage

Capacity: 810 TAF

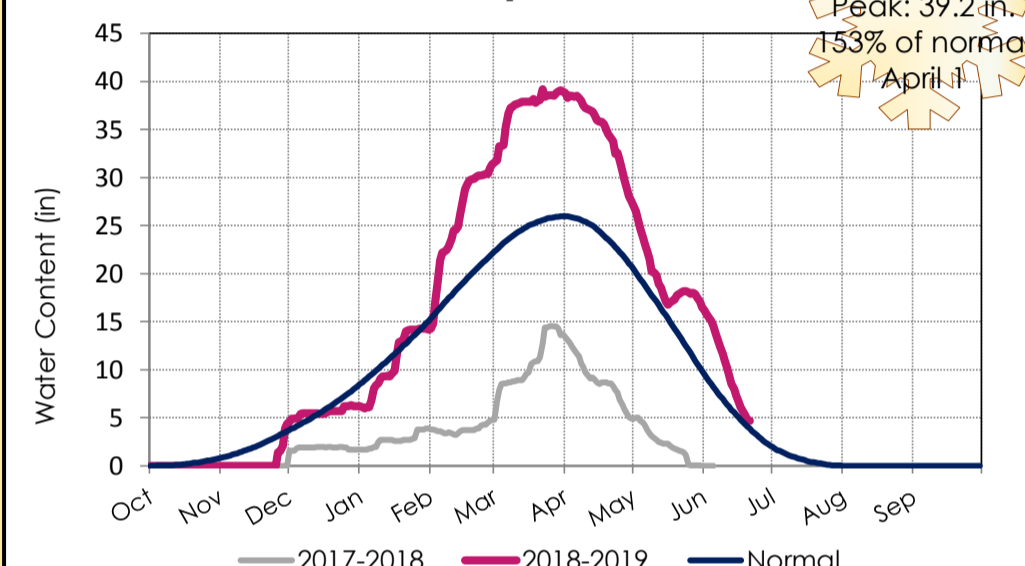
54 TAF more in storage than this time last year



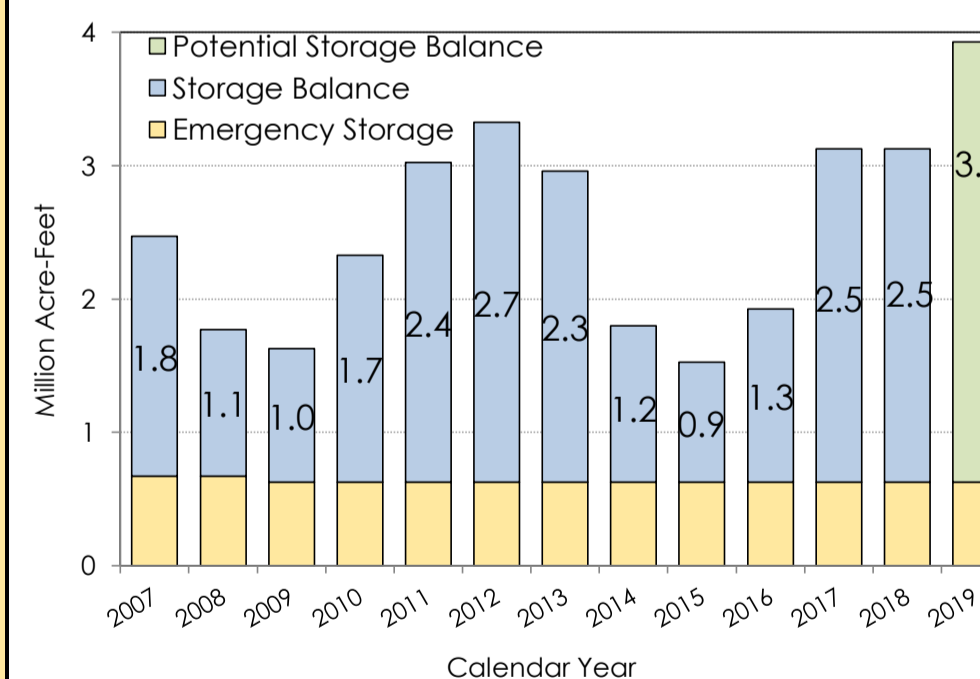
Record Low

## Southern Sierra Snowpack

Peak: 39.2 in.  
153% of normal April 1



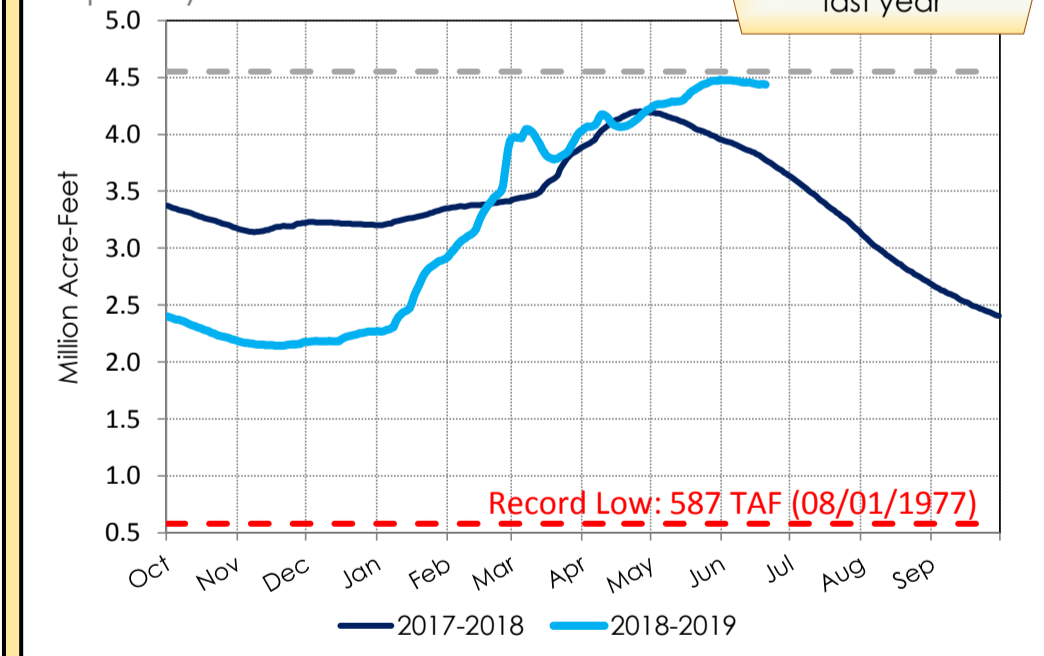
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

662 TAF more in storage than this time last year



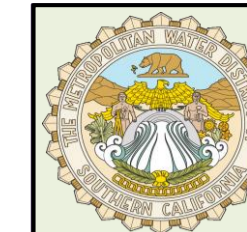
Record Low: 587 TAF (08/01/1977)

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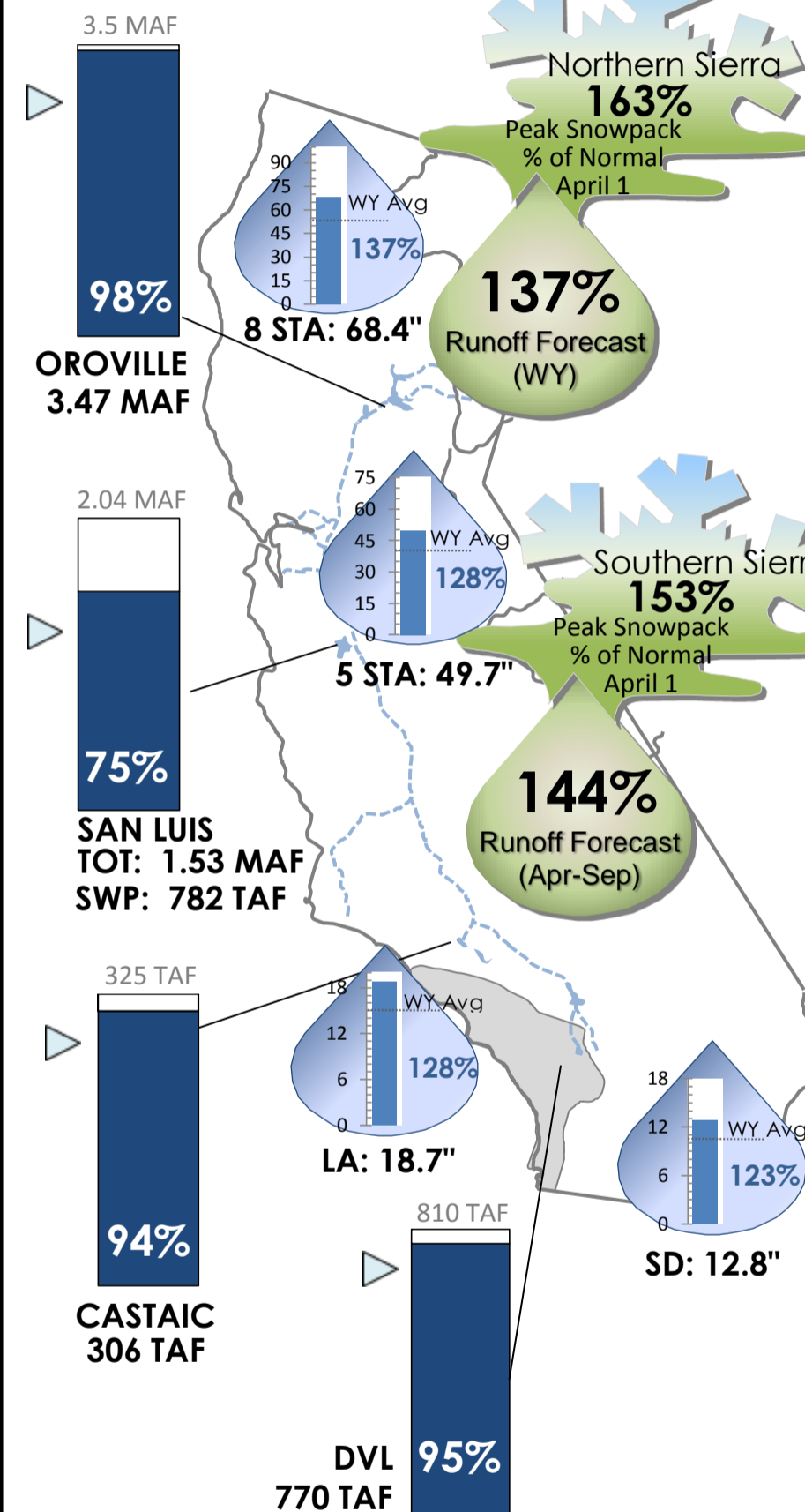


# Water Supply Conditions Report

As of: 06/20/2019

## 2019 SWP Allocation

1,433,625 AF  
75% of Table A



3.5 MAF  
98%  
OROVILLE  
3.47 MAF

2.04 MAF  
75%  
SAN LUIS  
TOT: 1.53 MAF  
SWP: 782 TAF

325 TAF  
94%  
CASTAIC  
306 TAF

810 TAF  
95%  
DVL  
770 TAF

Northern Sierra  
163%  
Peak Snowpack % of Normal April 1

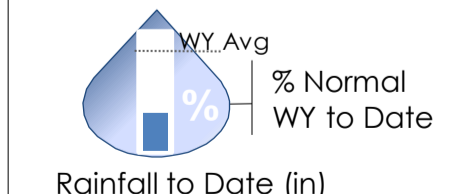
137%  
Runoff Forecast (WY)

Southern Sierra  
153%  
Peak Snowpack % of Normal April 1

144%  
Runoff Forecast (Apr-Sep)

18" WY Avg  
128%  
LA: 18.7"

18" WY Avg  
123%  
SD: 12.8"



Capacity  
Average EOM  
Current Storage (% Capacity)

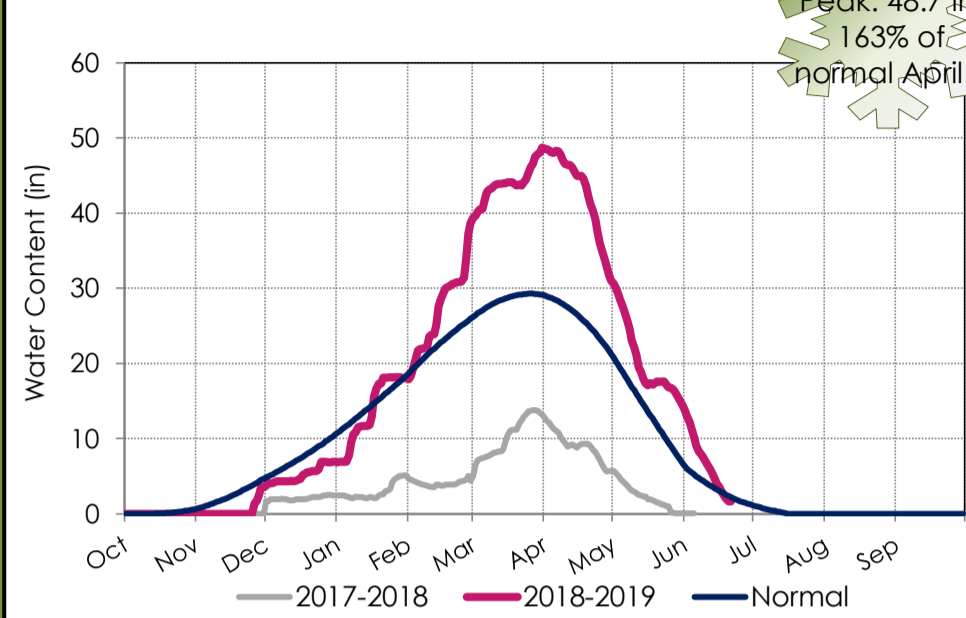
Flip Over for CRA Data

Turn page for more SWP Data

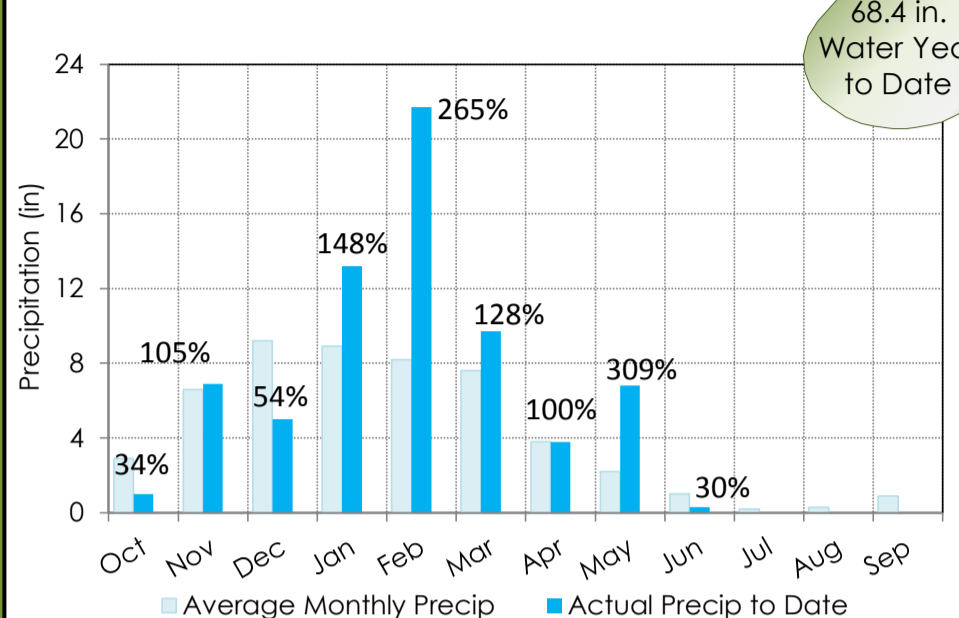
As of: 06/20/2019

# State Water Project Resources

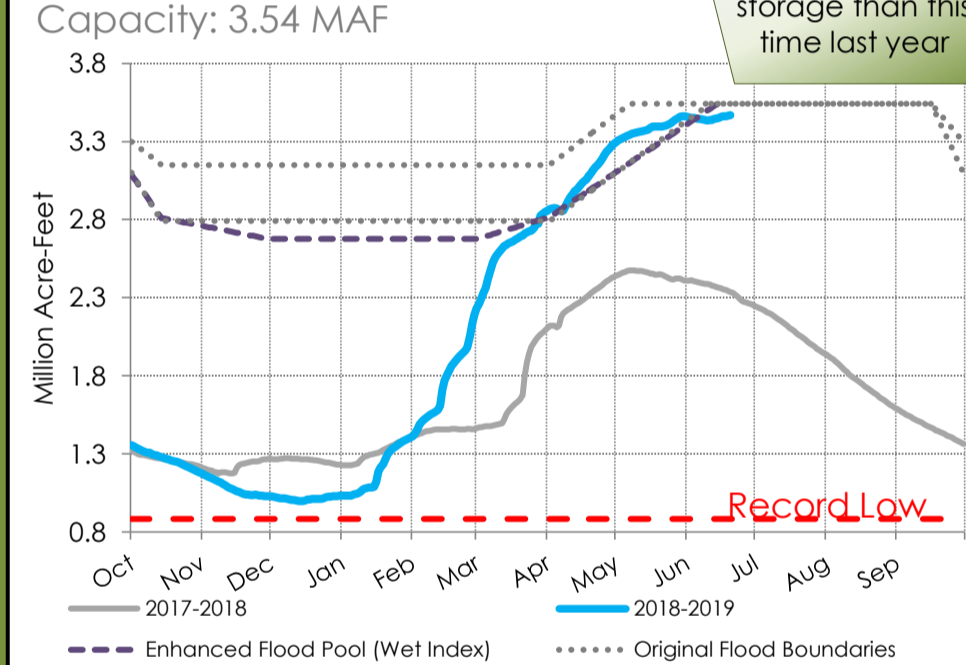
## Northern Sierra Snowpack



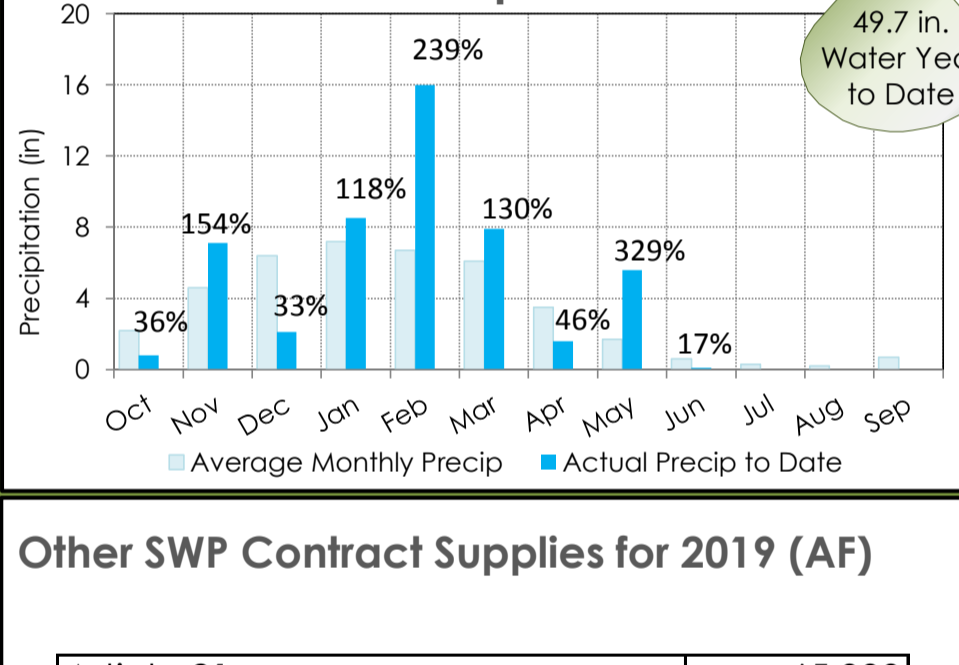
## 8 Station Index Precip



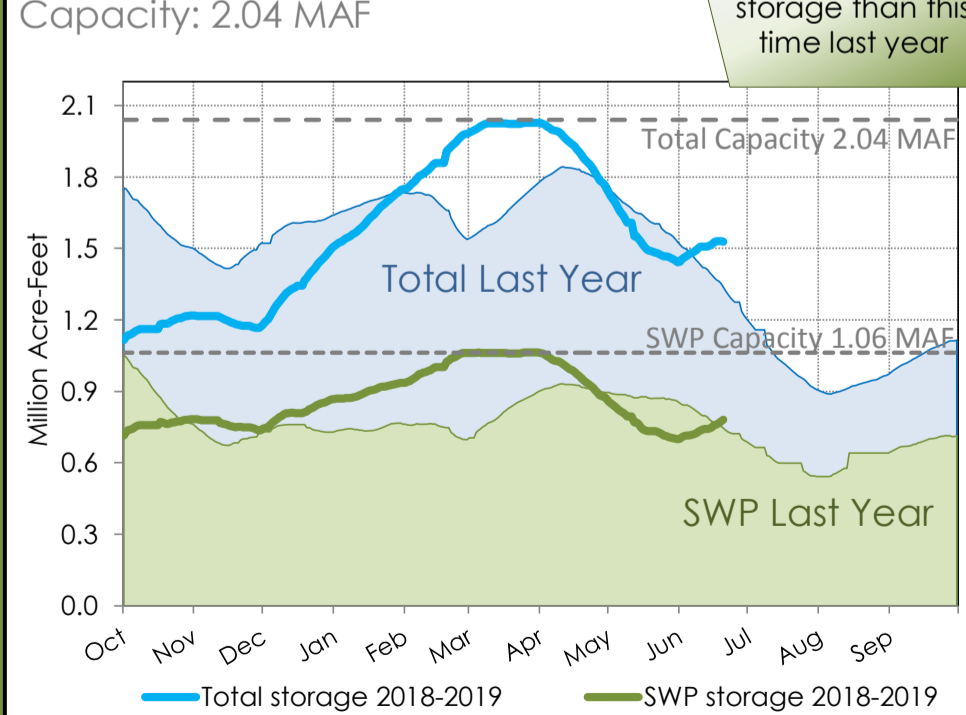
## Oroville Reservoir Storage



## 5 Station Index Precip



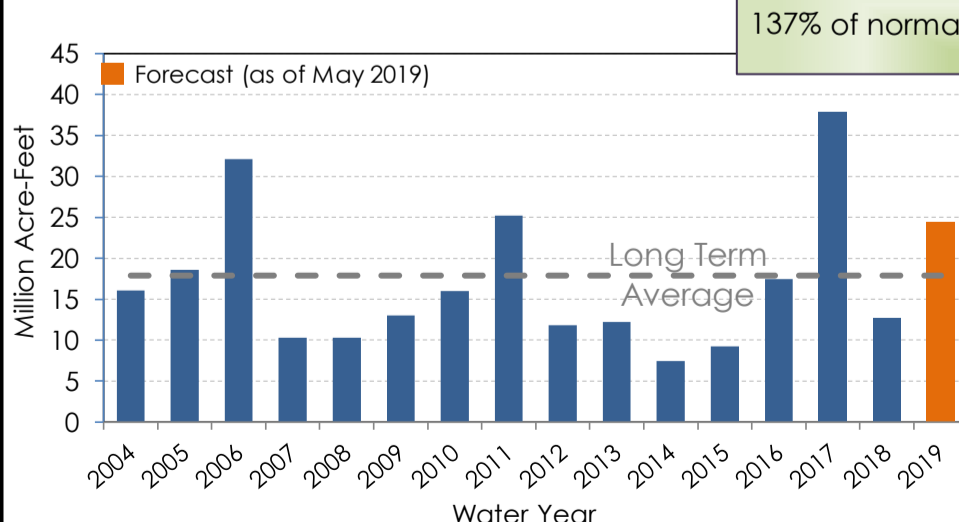
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

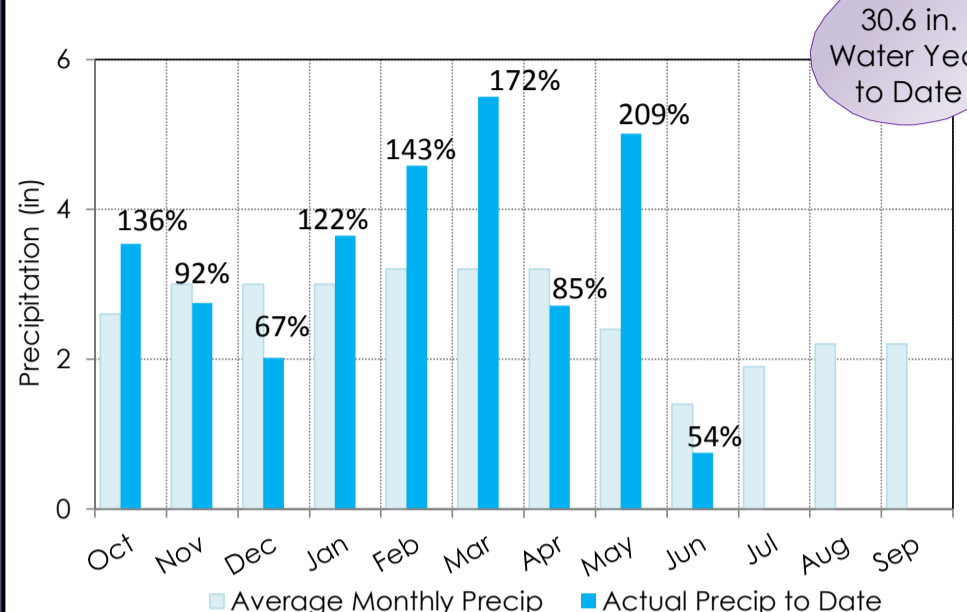
## Sacramento River Runoff



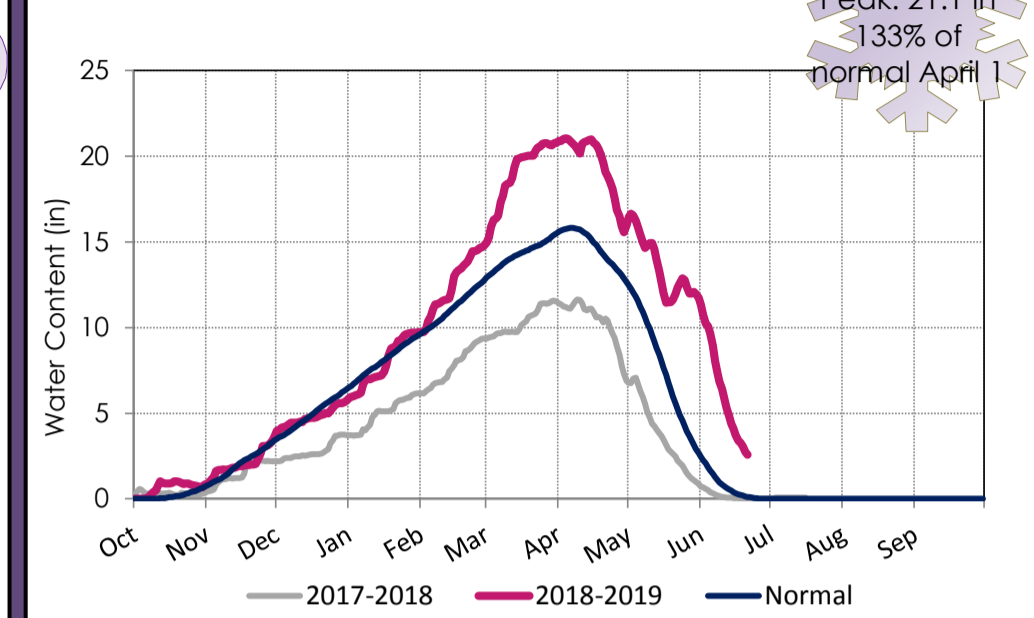
# Colorado River Resources

As of: 06/20/2019

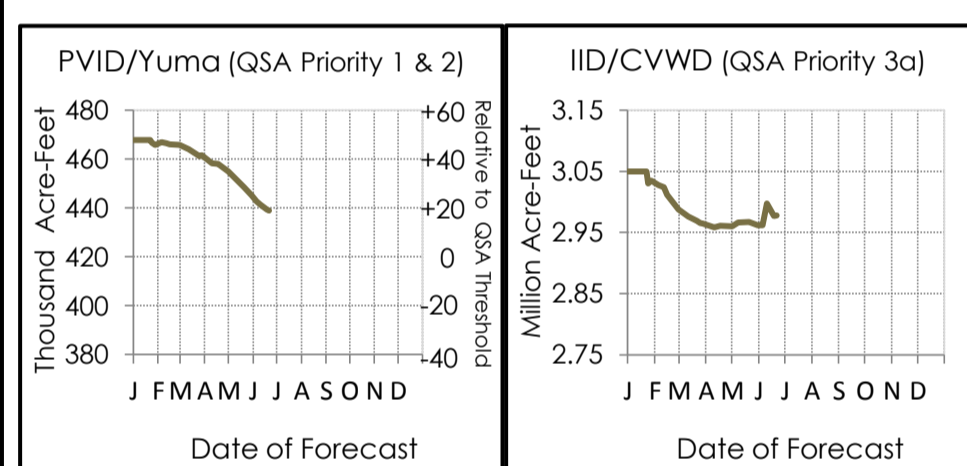
## Upper Colorado Basin Precip



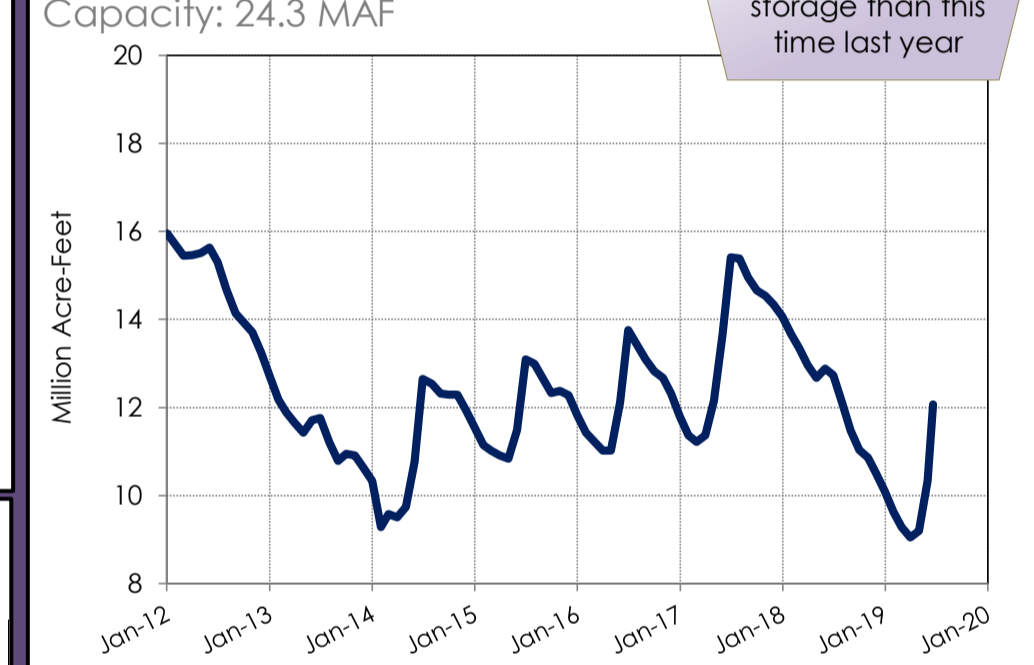
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



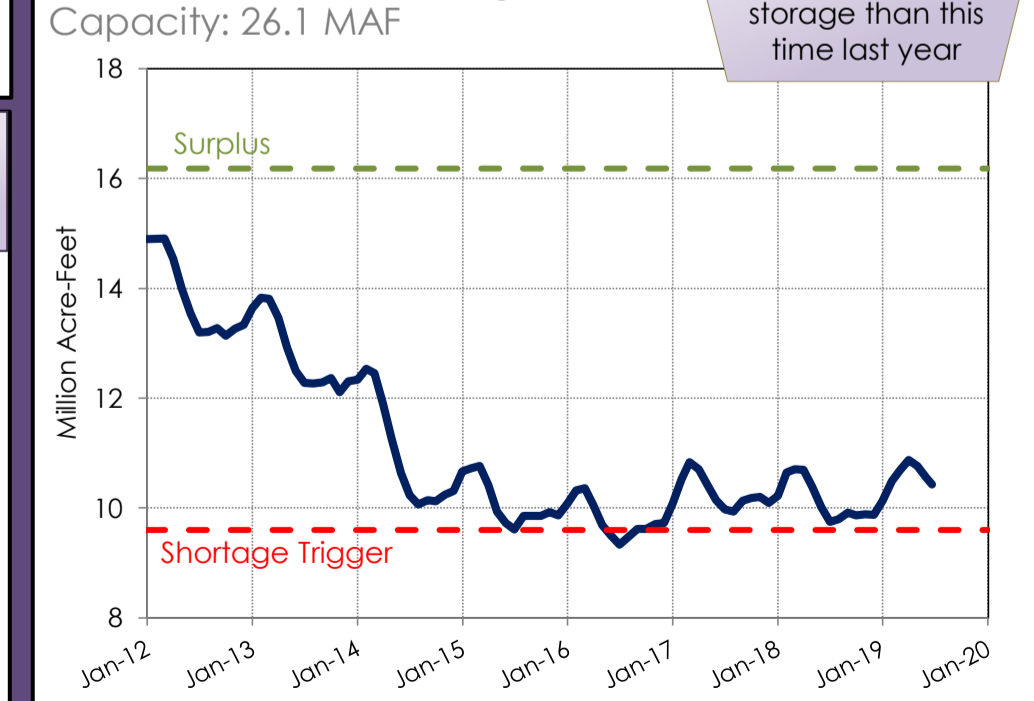
## Lake Powell Storage



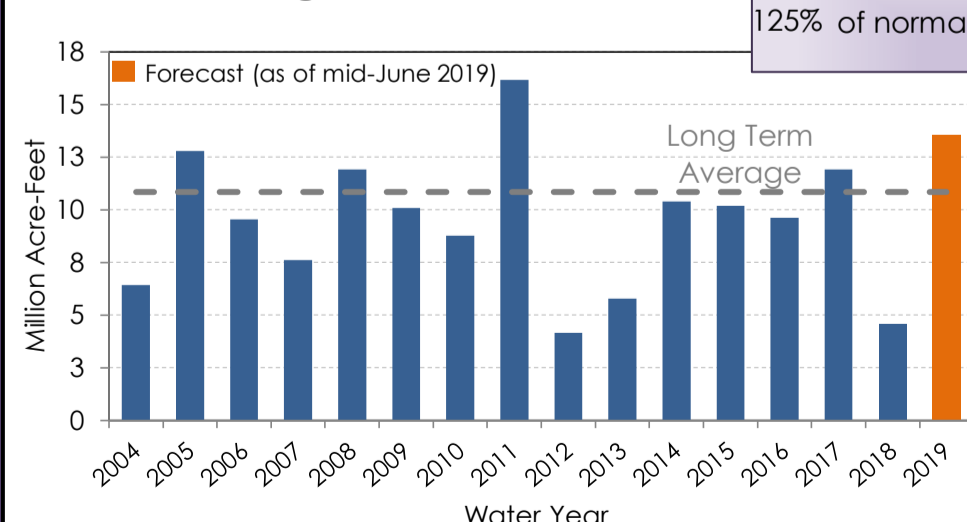
## Lake Mead Shortage/Surplus Outlook

Table Pending

## Lake Mead Storage



## Powell Unregulated Inflow





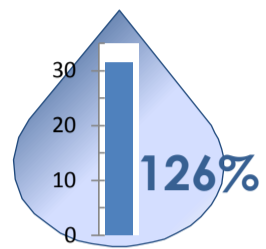


# Water Supply Conditions Report

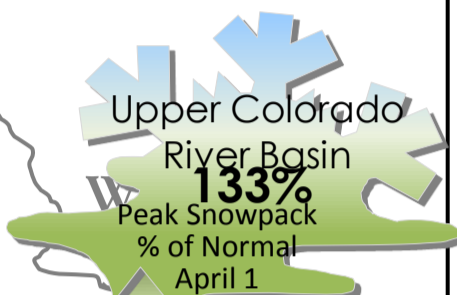
As of: 07/01/2019

## 2019 Colorado River

976,341 AF  
78% of full CRA  
Does not include storage withdrawals



31.5"



128%  
Runoff Forecast (WY)

24.3 MAF

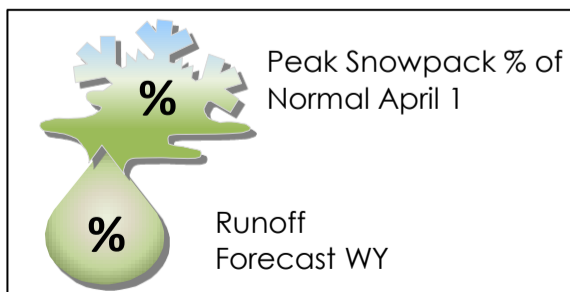
53%

POWELL  
12.98 MAF

26.1 MAF

40%

MEAD  
10.4 MAF  
1084.65 FT



Turn page for more CRA Data

Flip Over for SWP

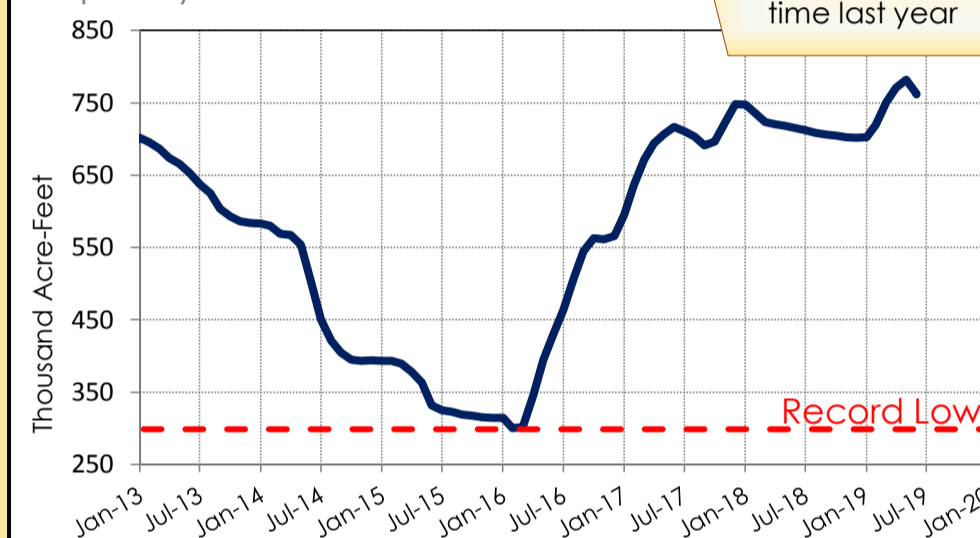
## Highlights

- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- ◆ Lake Powell inflow forecast is at 128% of normal

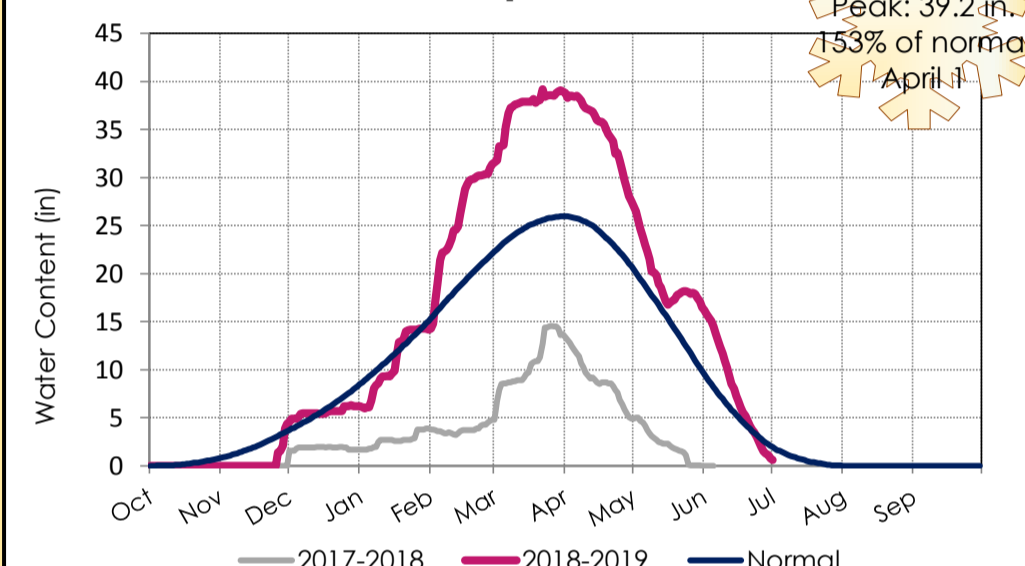
## Diamond Valley Lake Storage

Capacity: 810 TAF

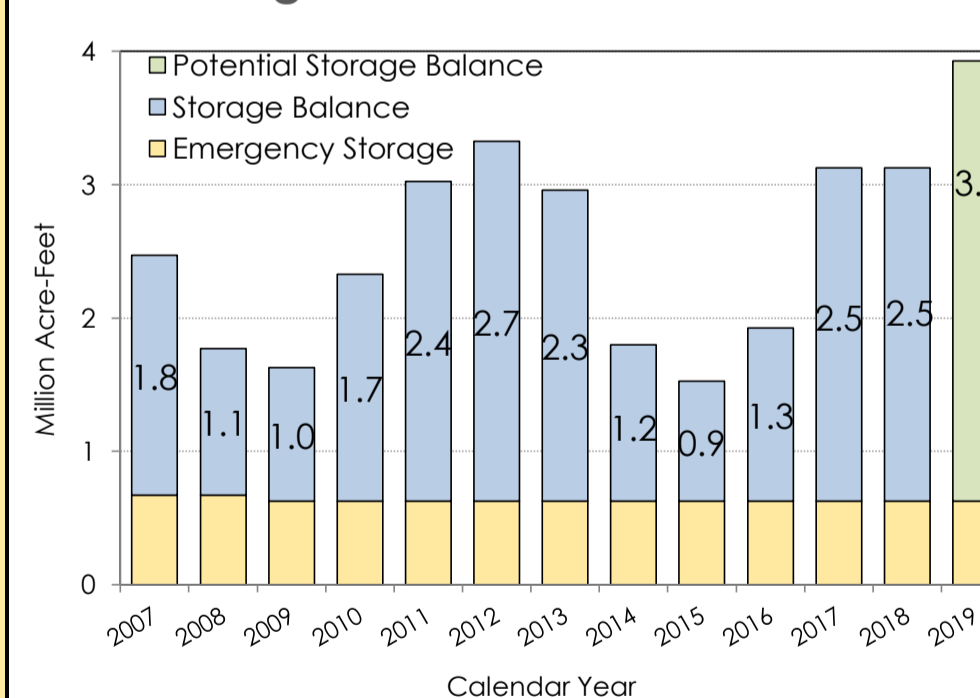
47 TAF more in storage than this time last year



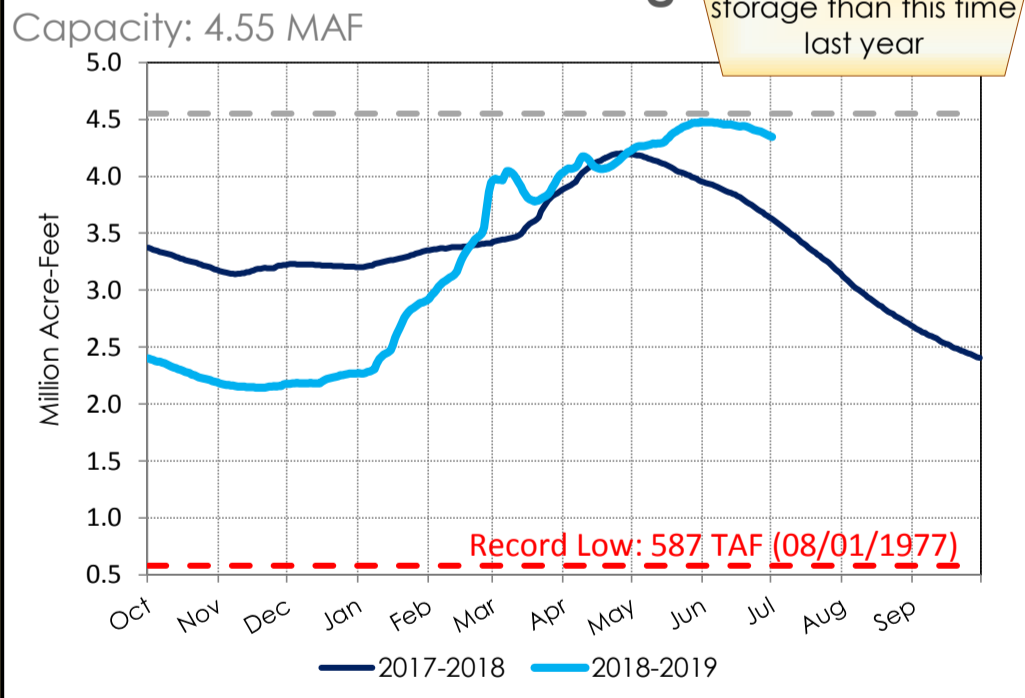
## Southern Sierra Snowpack



## MWD Storage Reserve Levels



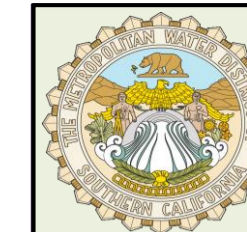
## Lake Shasta Reservoir Storage



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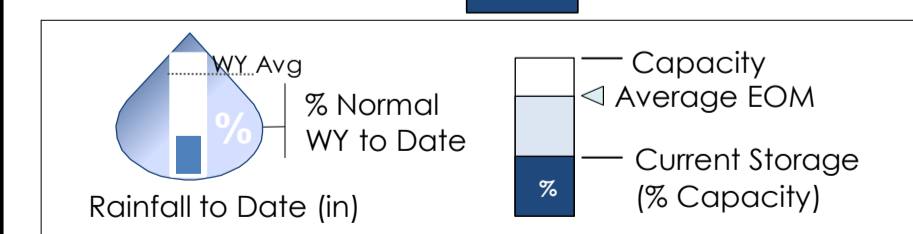
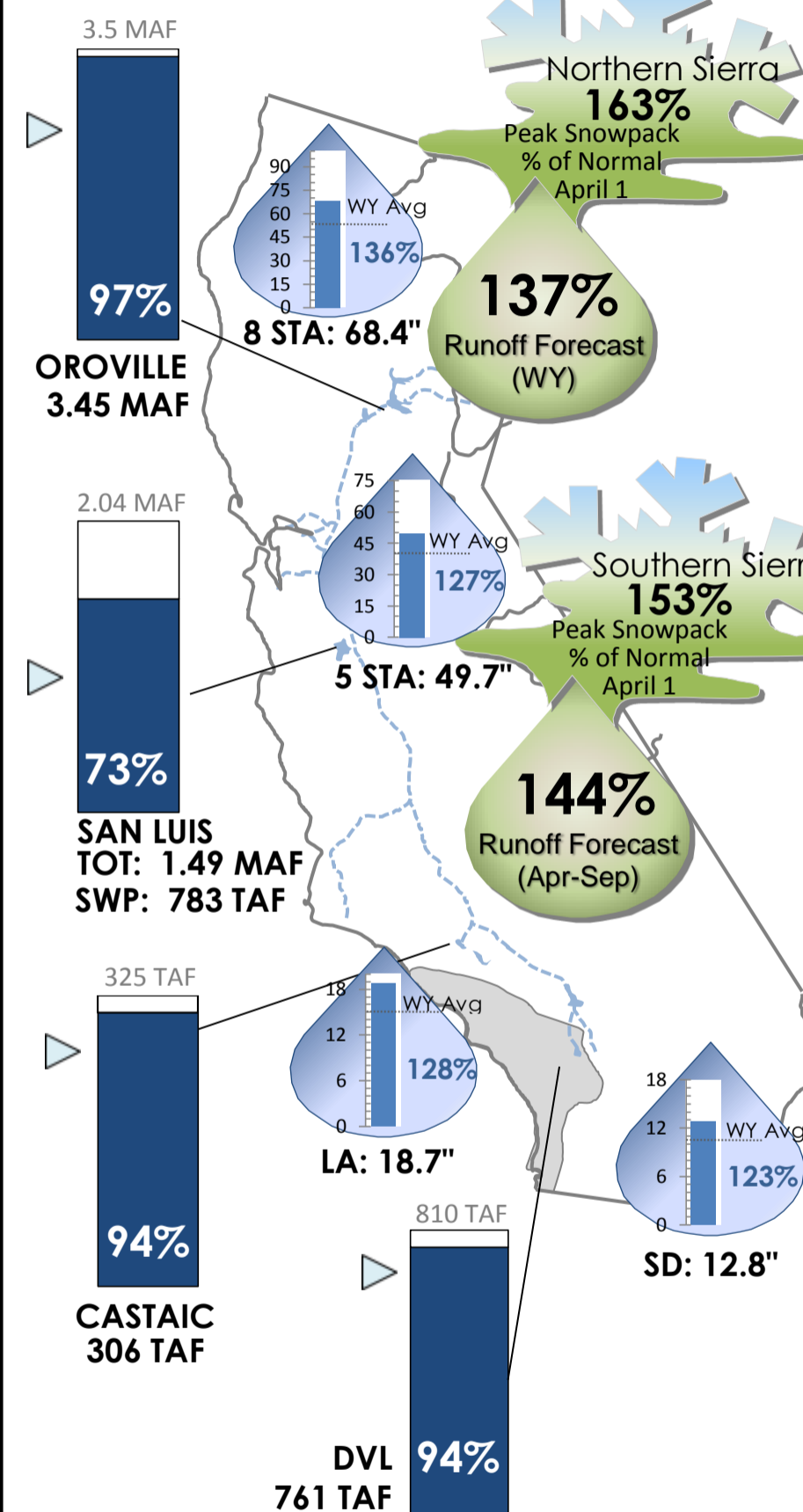


# Water Supply Conditions Report

As of: 07/01/2019

## 2019 SWP Allocation

1,433,625 AF  
75% of Table A



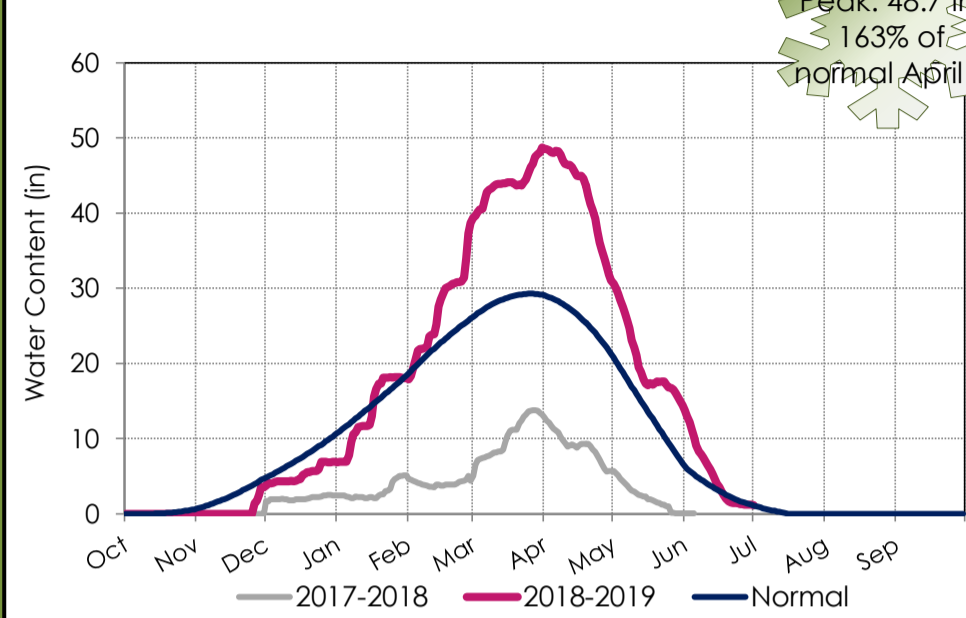
Flip Over for CRA Data

Turn page for more SWP Data

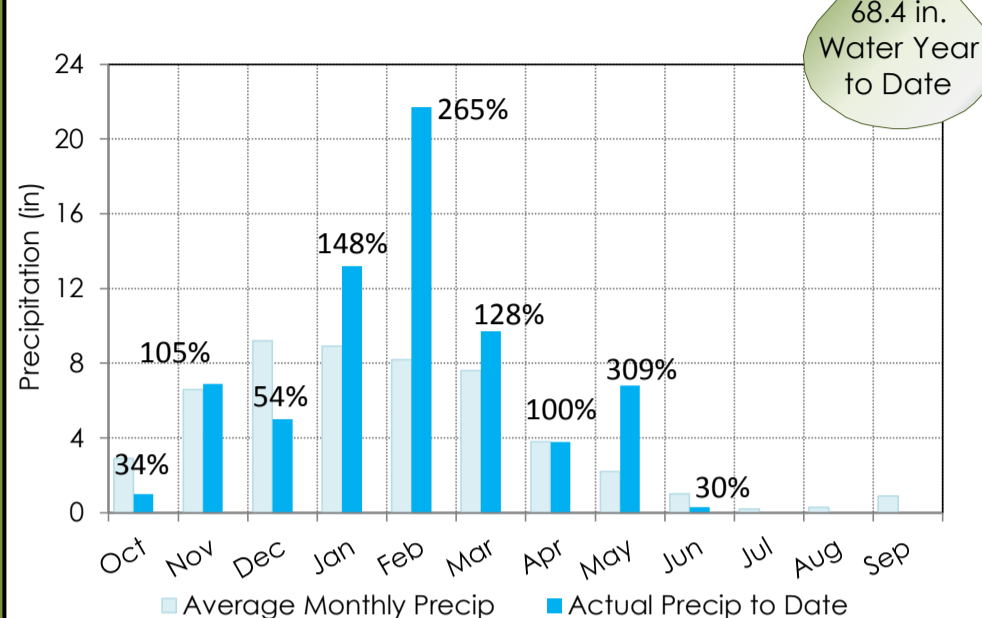
As of: 07/01/2019

# State Water Project Resources

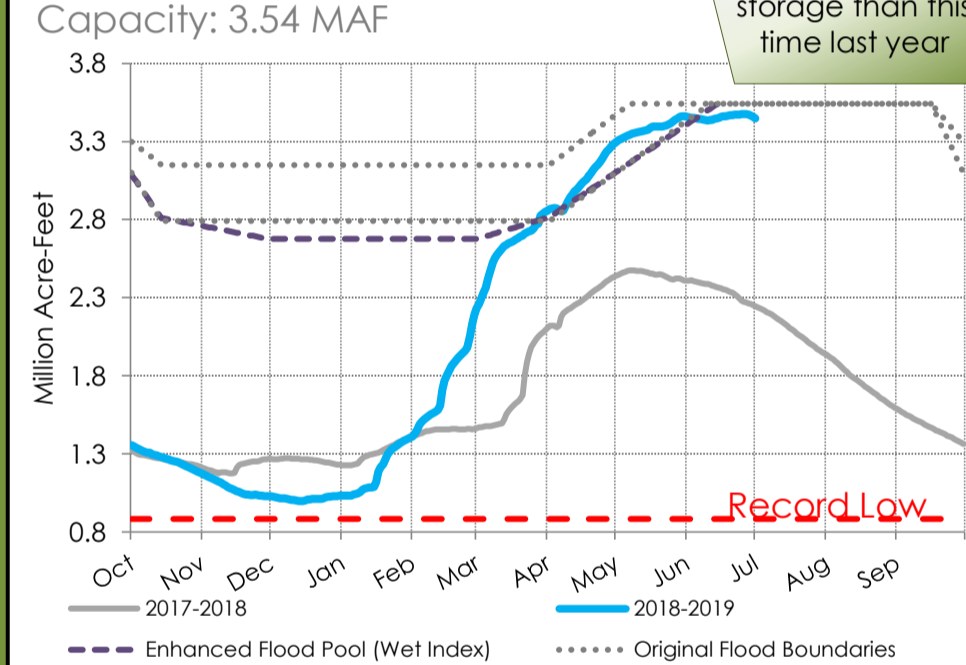
## Northern Sierra Snowpack



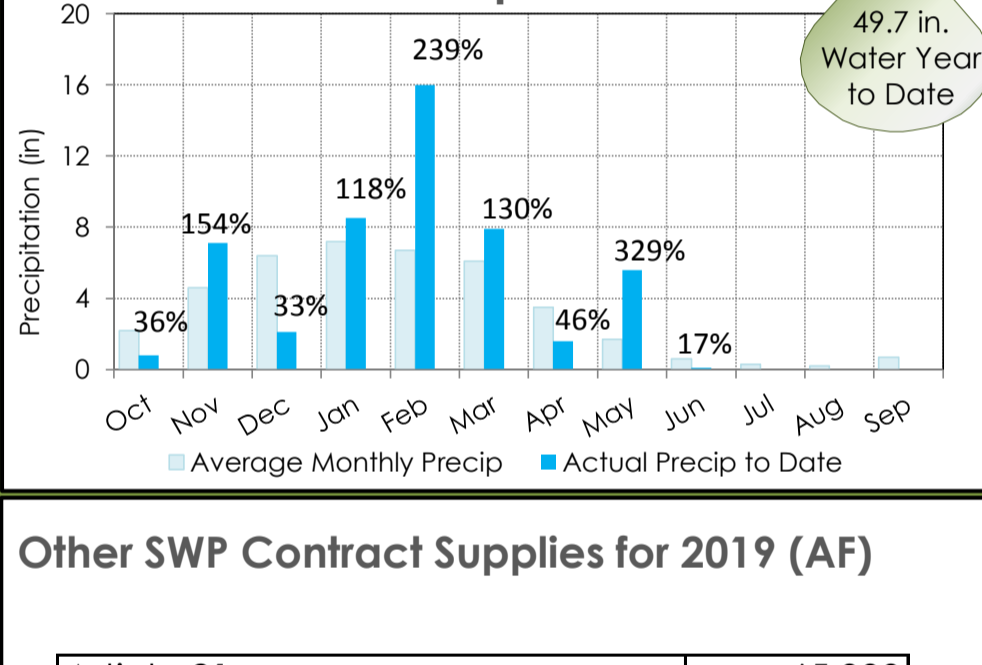
## 8 Station Index Precip



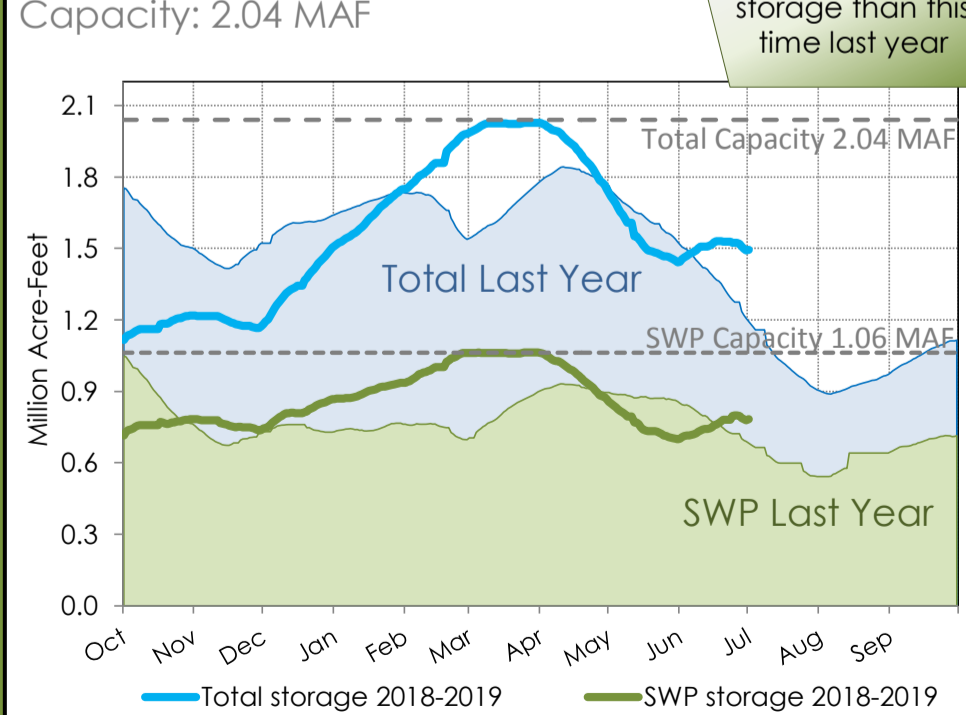
## Oroville Reservoir Storage



## 5 Station Index Precip



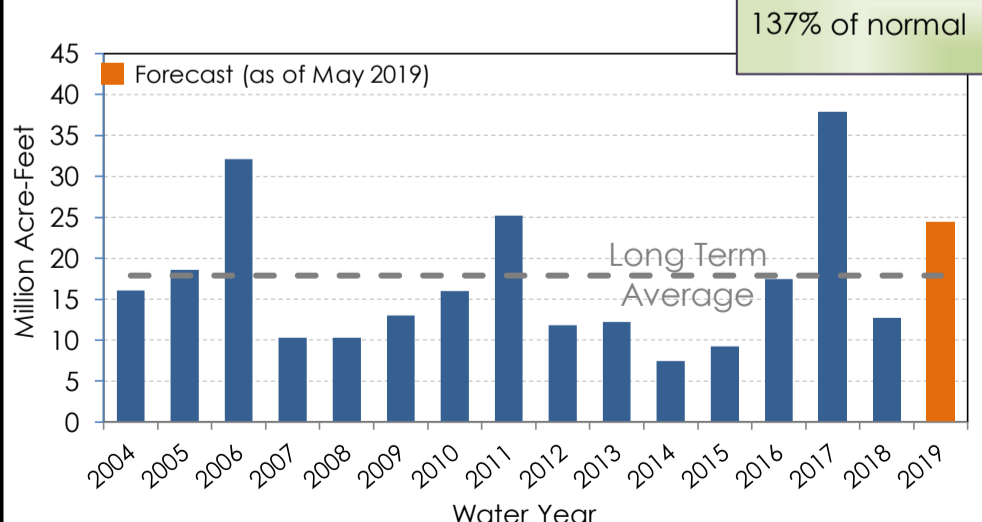
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

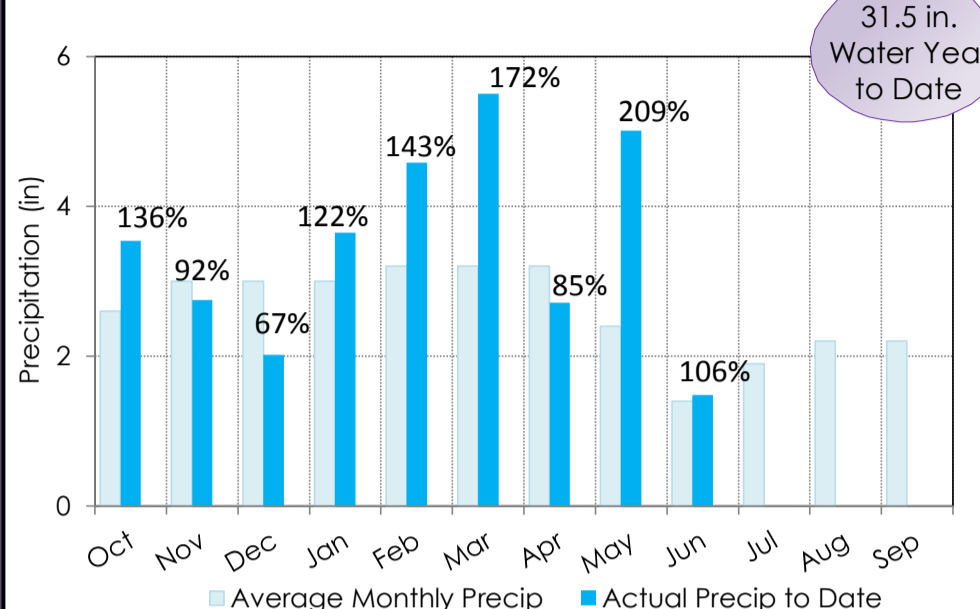
## Sacramento River Runoff



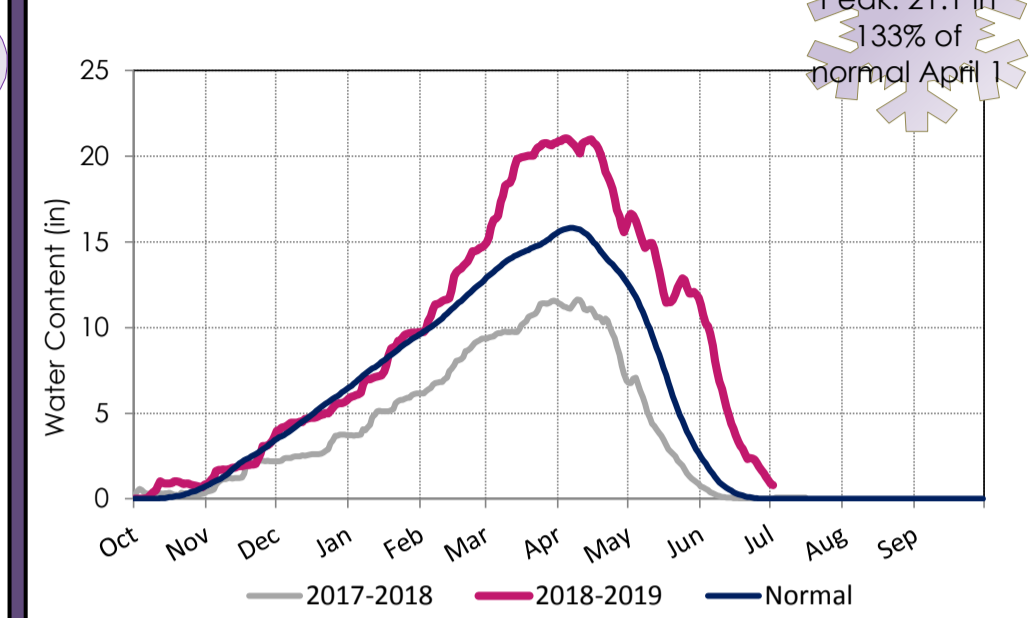
# Colorado River Resources

As of: 07/01/2019

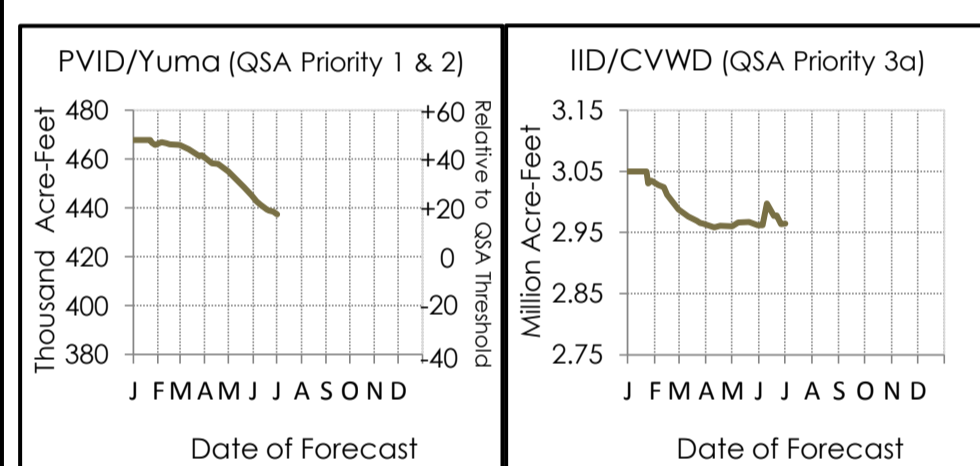
## Upper Colorado Basin Precip



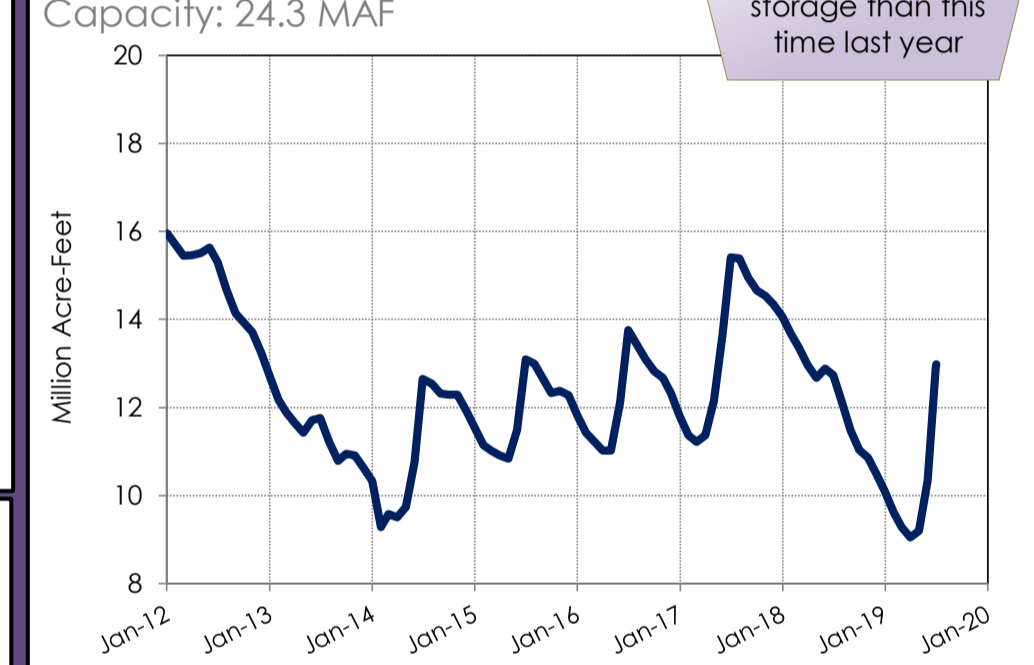
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

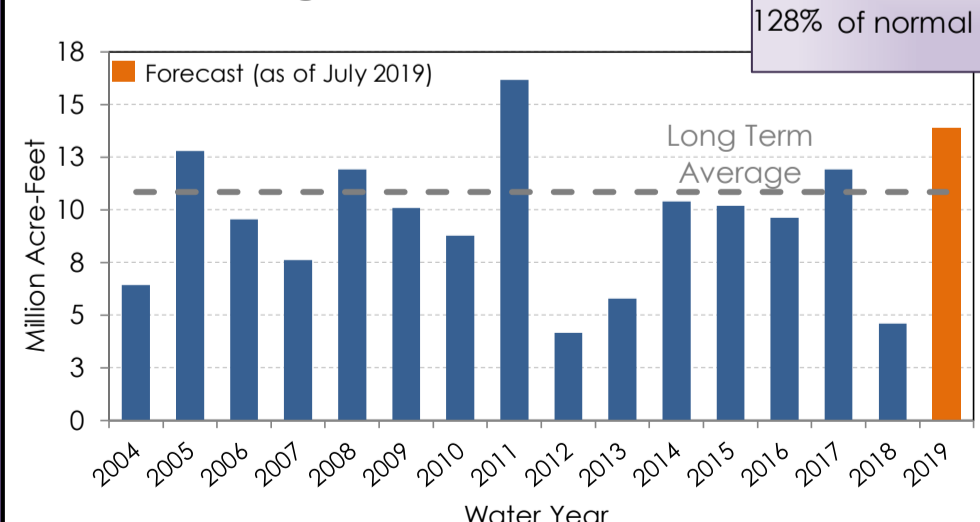


## Lake Mead Shortage/Surplus Outlook

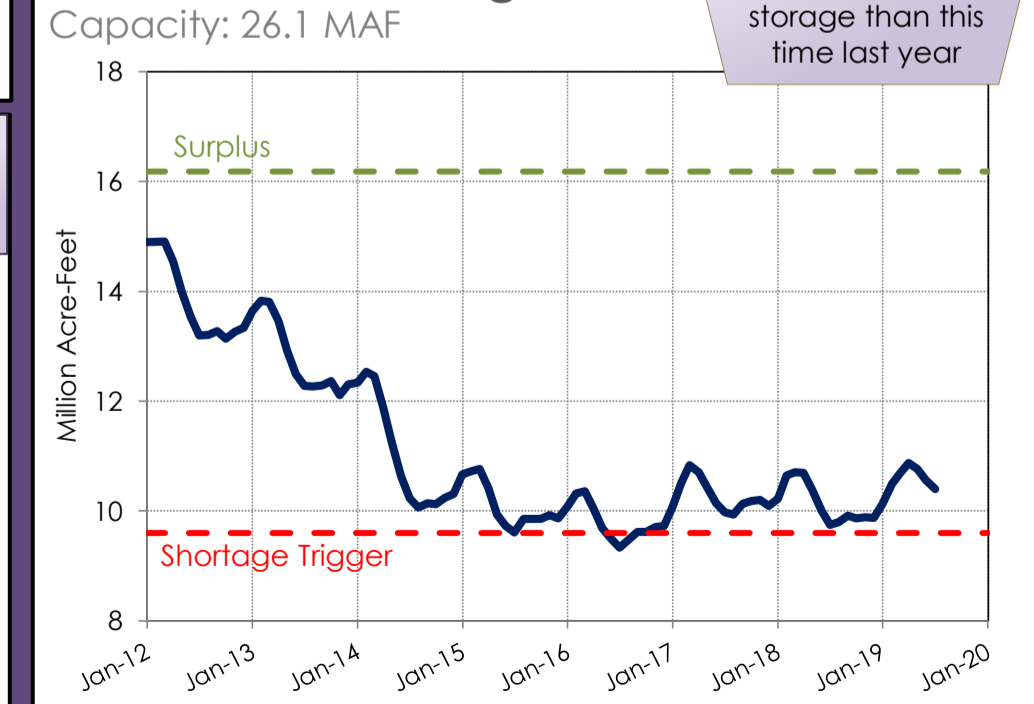
	2020	2021	2022	2023	2024
Shortage	0%	6%	26%	31%	37%
Surplus	0%	< 1%	8%	13%	19%

Likelihood based on results from the June 2019 MTOM/CRSS model run. Includes DCP Contributions.

## Powell Unregulated Inflow



## Lake Mead Storage





# Water Supply Conditions Report

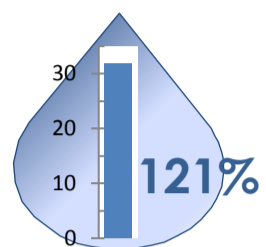
As of: 07/22/2019

## 2019 Colorado River

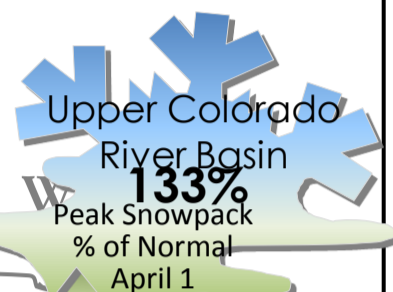
959,745 AF

77% of full CRA

Does not include storage withdrawals



31.8"



128%  
Runoff Forecast (WY)

24.3 MAF

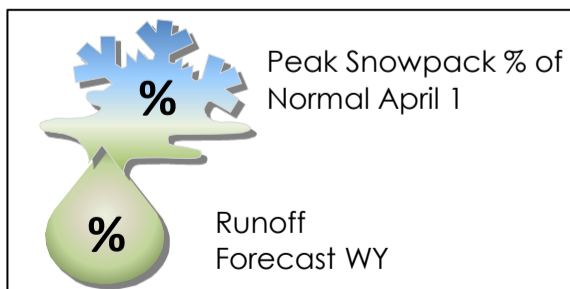
57%

POWELL  
13.88 MAF

26.1 MAF

39%

MEAD  
10.32 MAF  
1083.7 FT



Turn page for more CRA Data

Flip Over for SWP

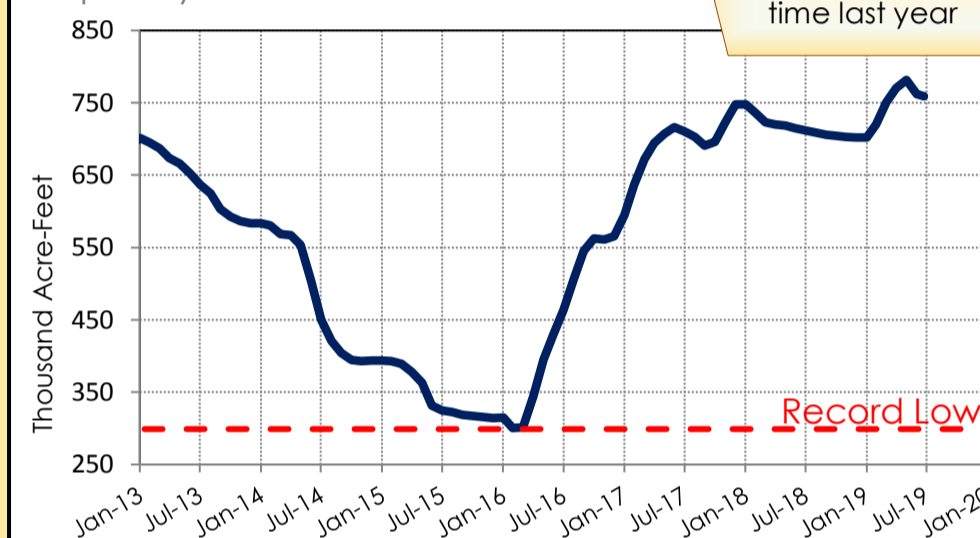
## Highlights

- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- ◆ Lake Powell inflow forecast is at 128% of normal

## Diamond Valley Lake Storage

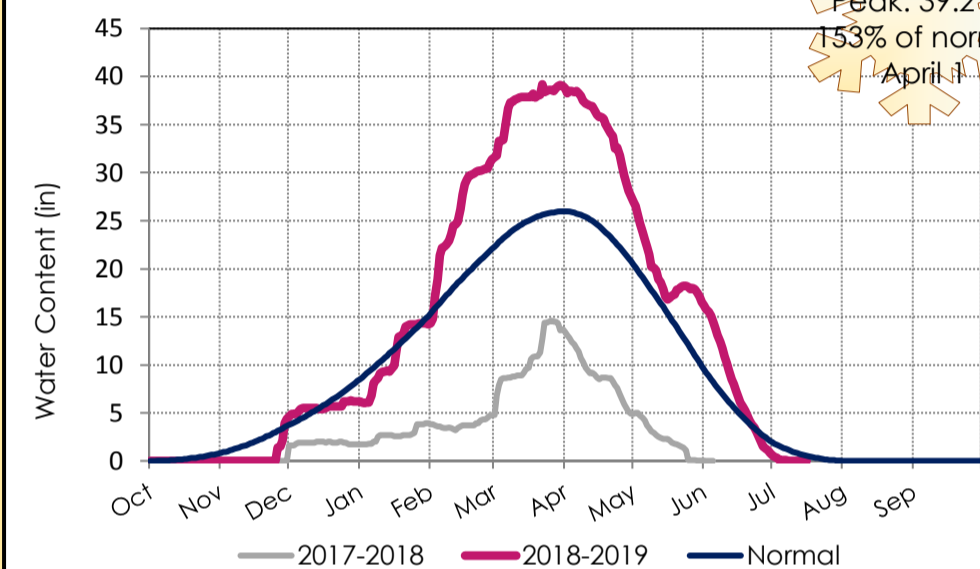
Capacity: 810 TAF

46 TAF more in storage than this time last year

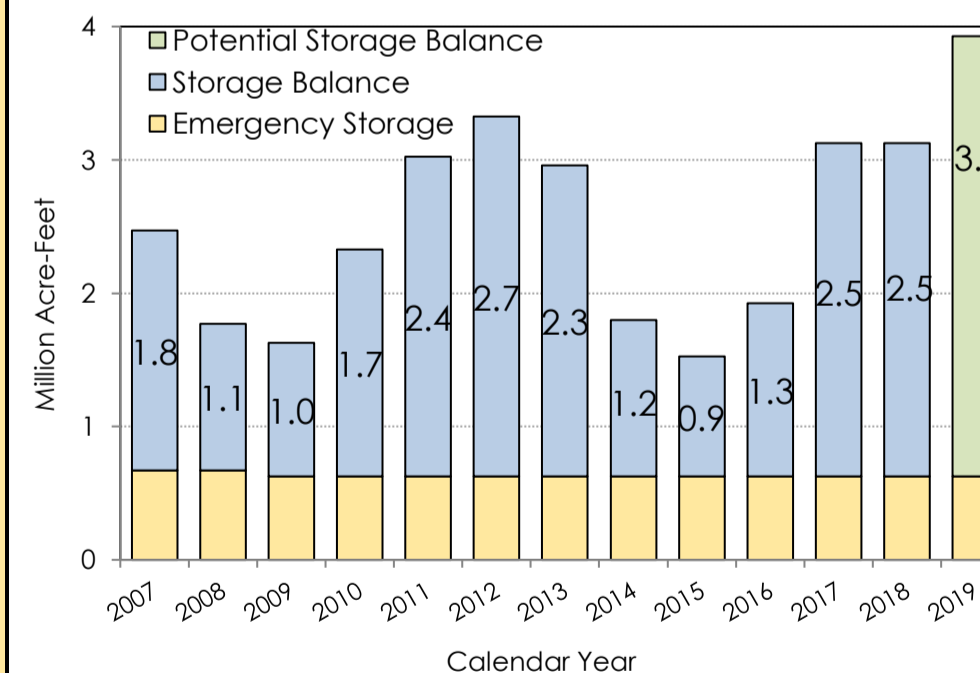


## Southern Sierra Snowpack

Peak: 39.2 in.  
153% of normal  
April 1



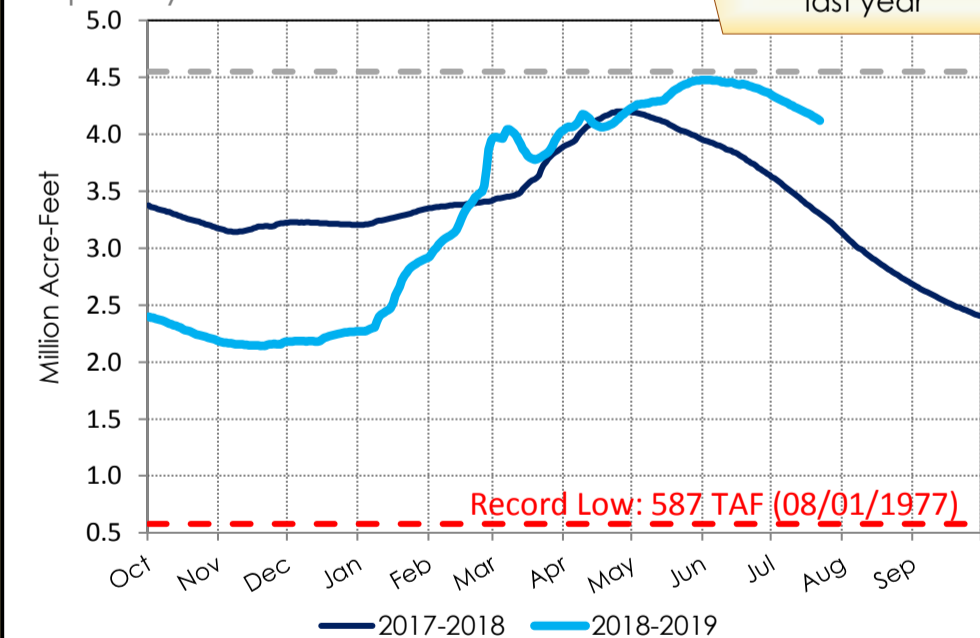
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

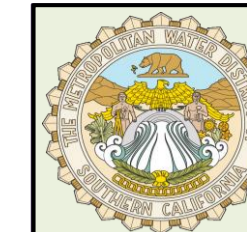
821 TAF more in storage than this time last year



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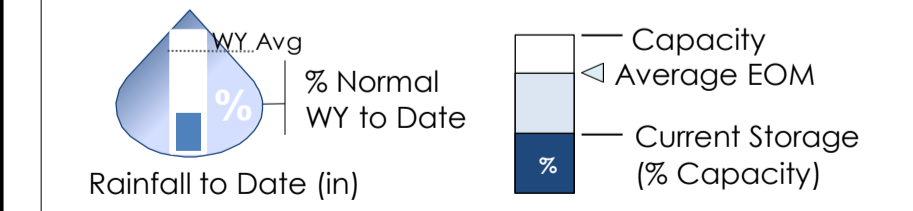
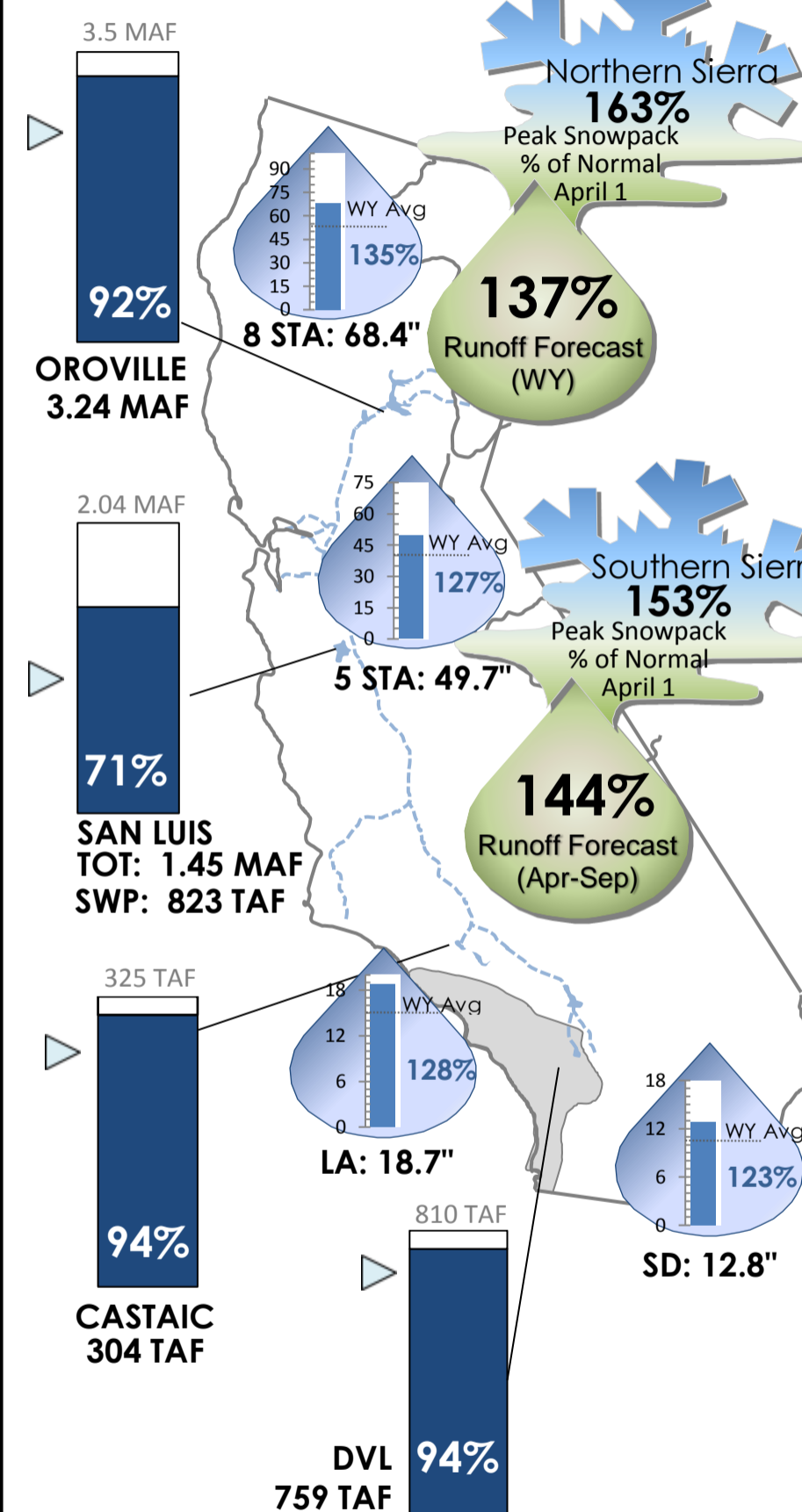
# Water Supply Conditions Report

As of: 07/22/2019

## 2019 SWP Allocation

1,433,625 AF

75% of Table A



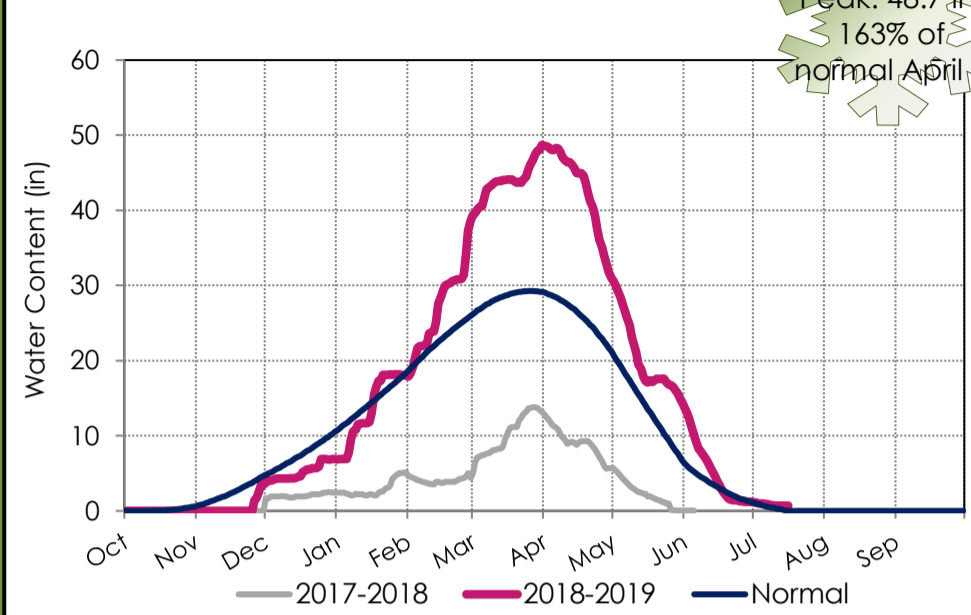
Flip Over for CRA Data

Turn page for more SWP Data

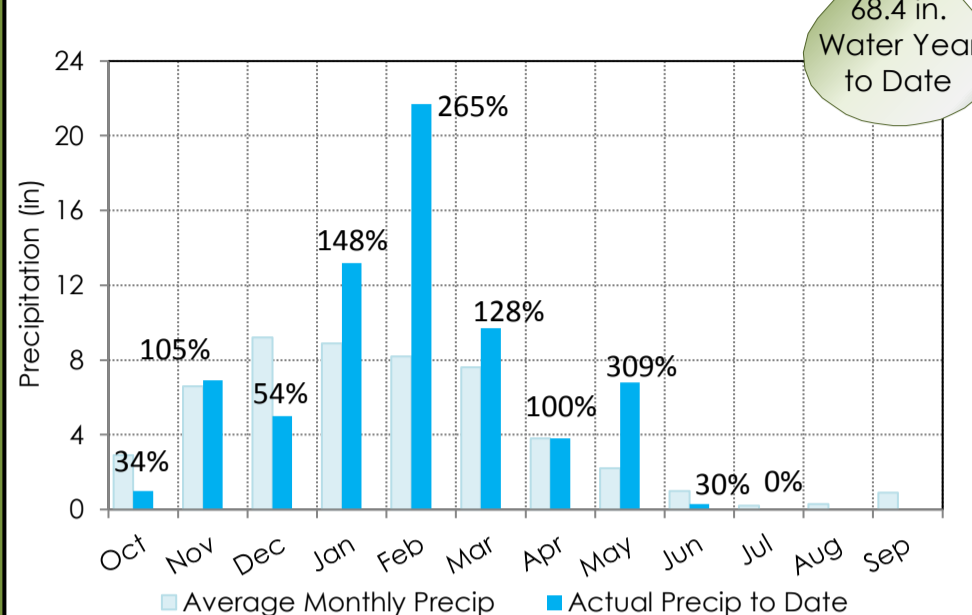
As of: 07/22/2019

# State Water Project Resources

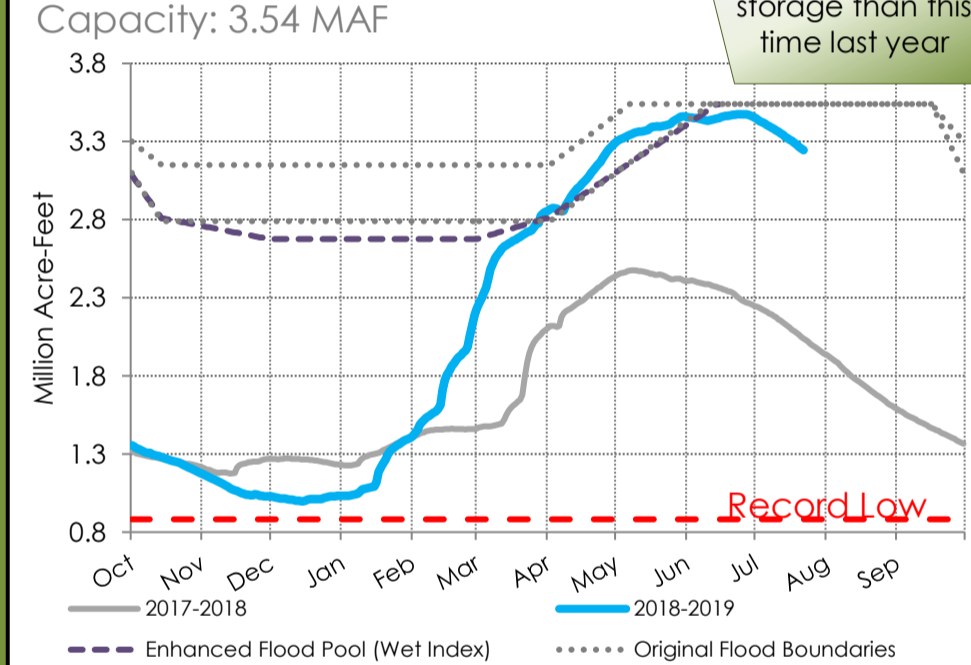
## Northern Sierra Snowpack



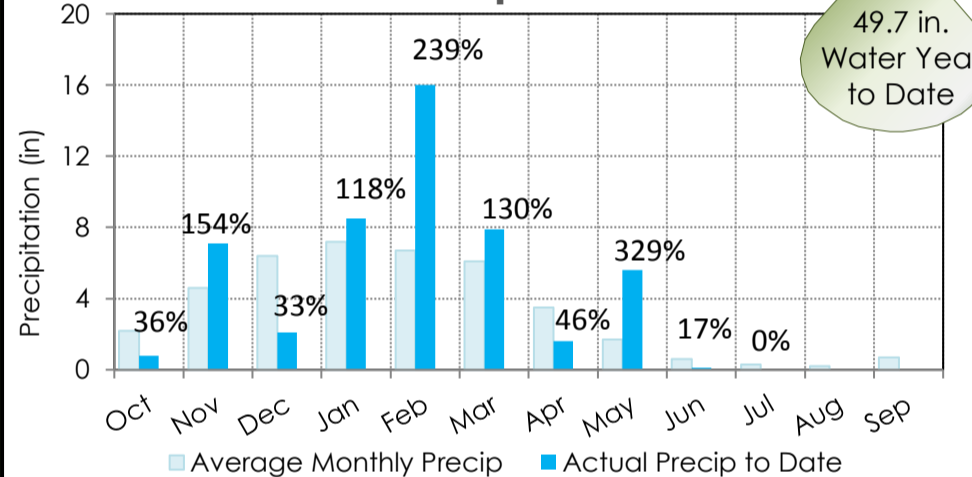
## 8 Station Index Precip



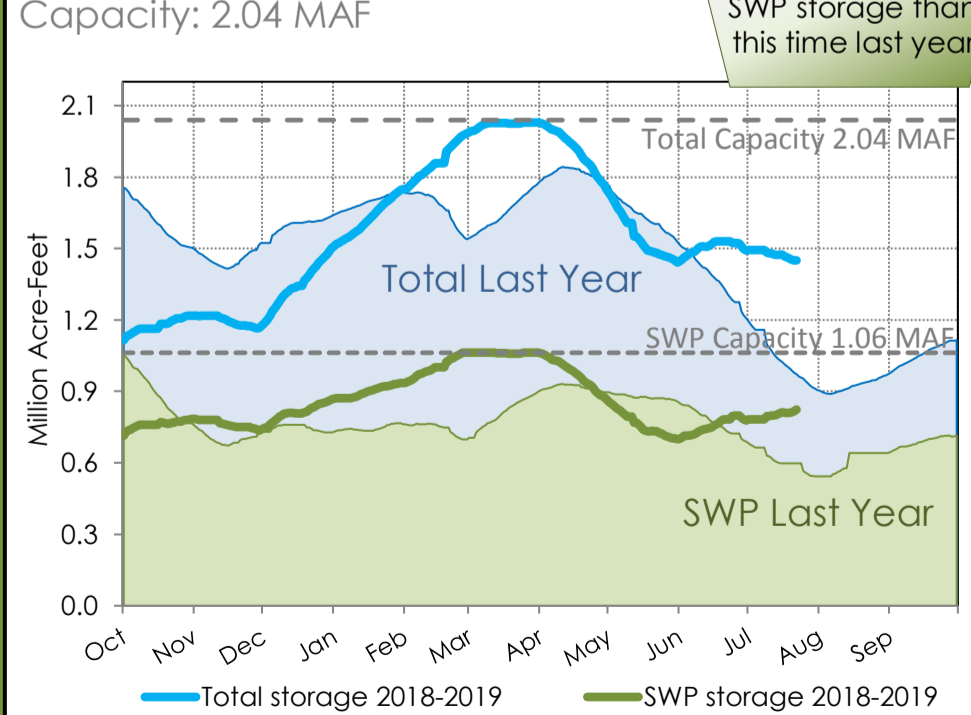
## Oroville Reservoir Storage



## 5 Station Index Precip



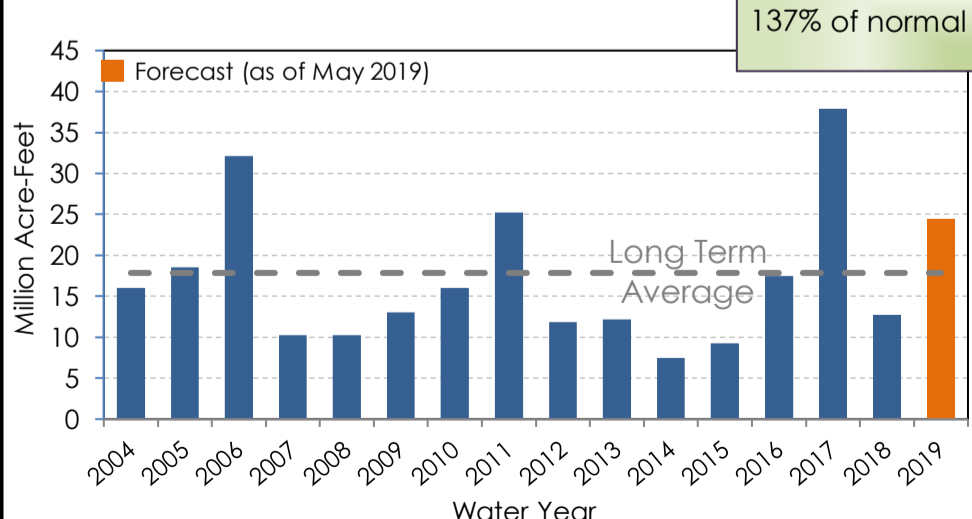
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

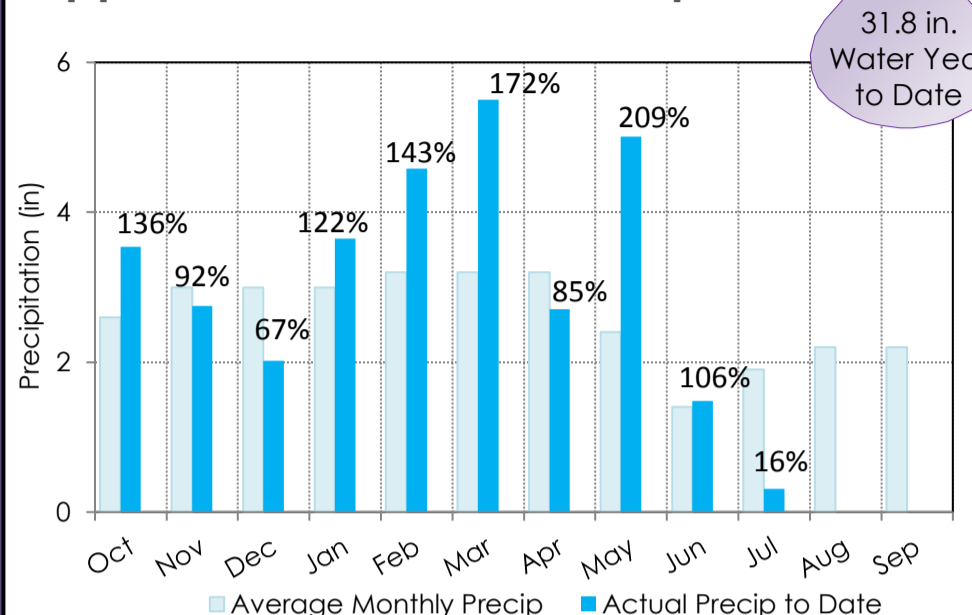
## Sacramento River Runoff



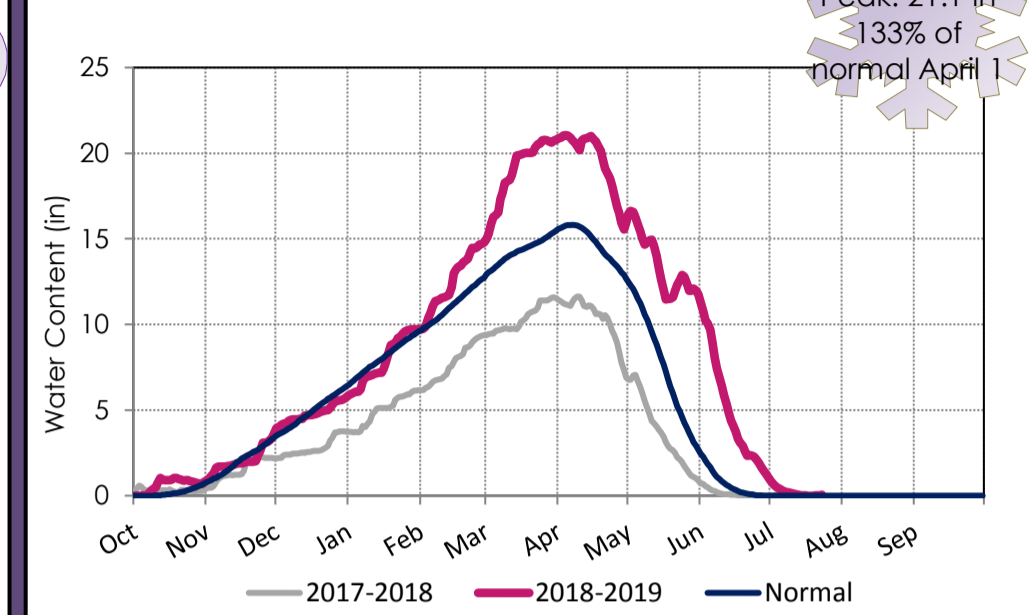
# Colorado River Resources

As of: 07/22/2019

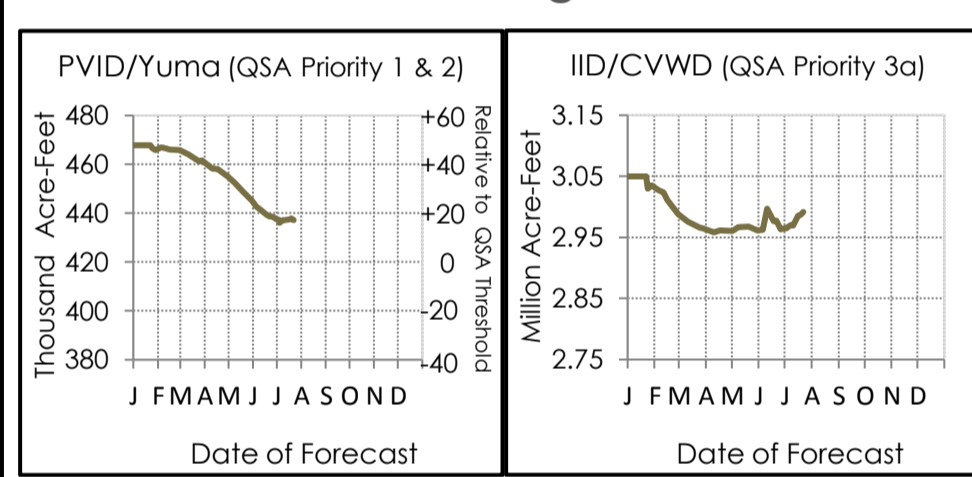
## Upper Colorado Basin Precip



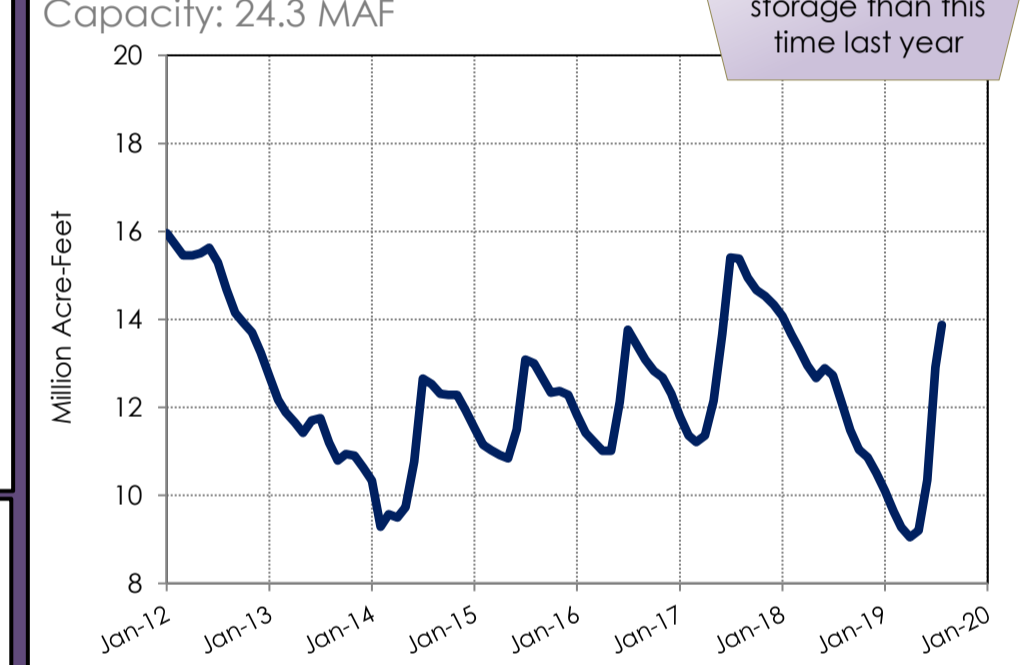
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

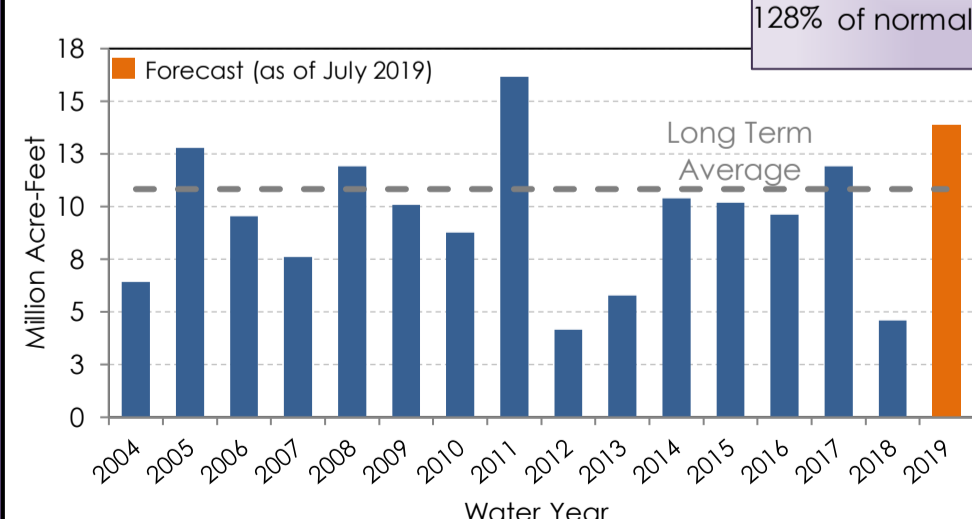


## Lake Mead Shortage/Surplus Outlook

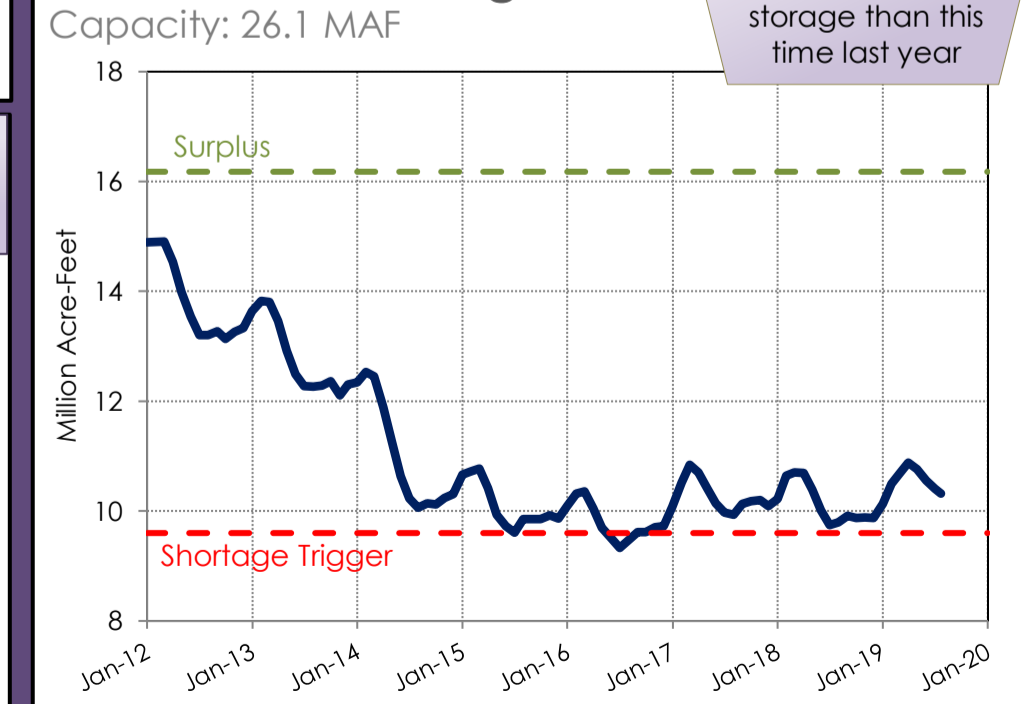
	2020	2021	2022	2023	2024
Shortage	0%	6%	26%	31%	37%
Surplus	0%	< 1%	8%	13%	19%

Likelihood based on results from the June 2019 MTOM/CRSS model run. Includes DCP Contributions.

## Powell Unregulated Inflow



## Lake Mead Storage





# Water Supply Conditions Report

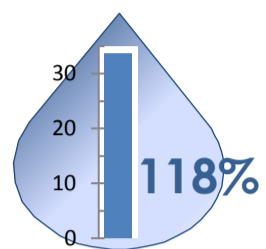
As of: 08/20/2019

## 2019 Colorado River

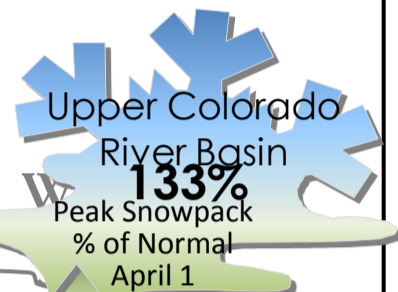
930,564 AF

74% of full CRA

Does not include storage withdrawals



33.5"



125%  
Runoff Forecast (WY)

24.3 MAF

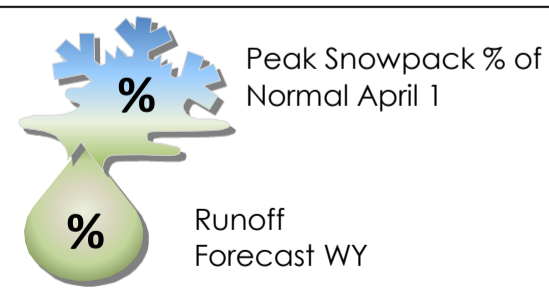
57%

POWELL  
13.8 MAF

26.1 MAF

39%

MEAD  
10.28 MAF  
1083.26 FT



Turn page for more CRA Data

Flip Over for SWP

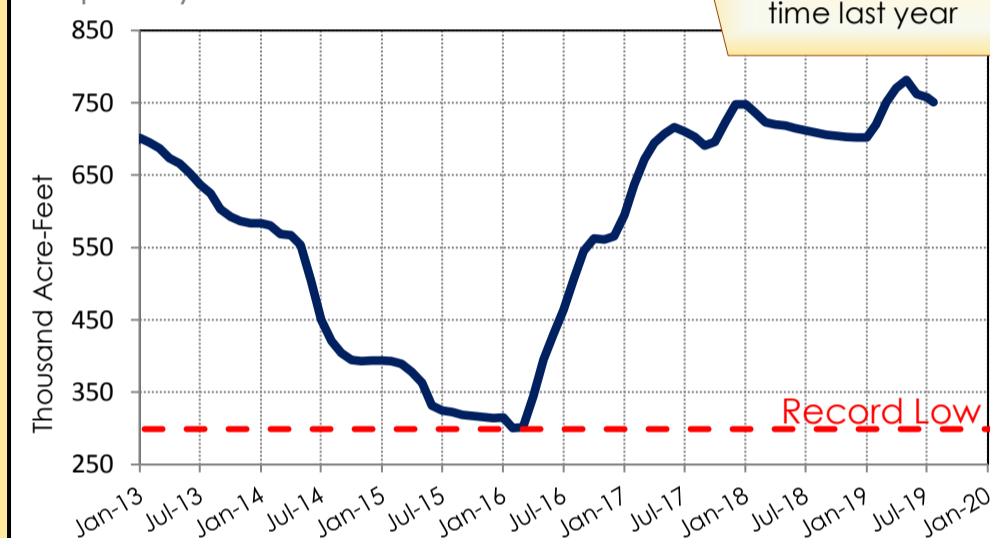
## Highlights

- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- ◆ Lake Powell inflow forecast is at 125% of normal

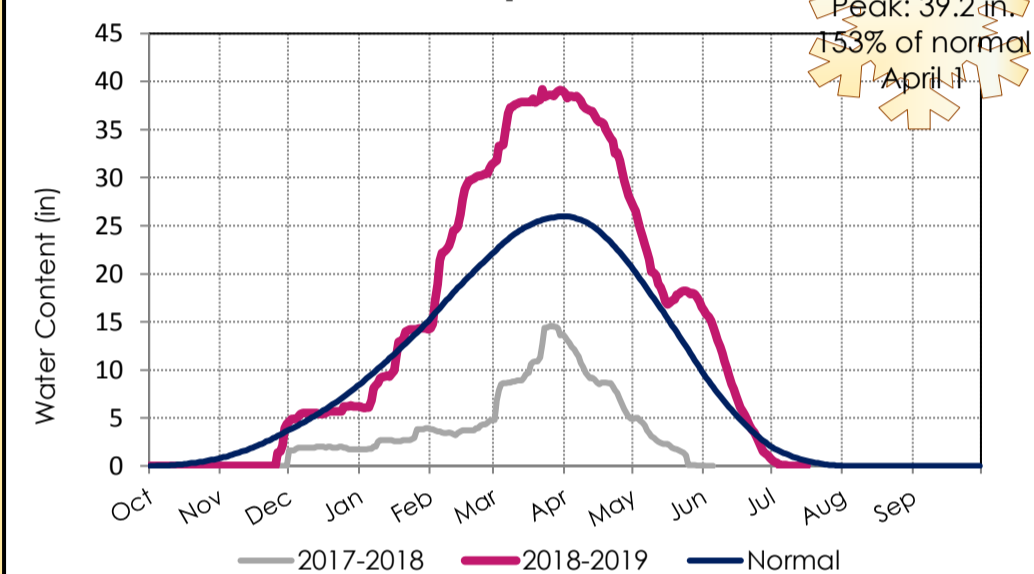
## Diamond Valley Lake Storage

Capacity: 810 TAF

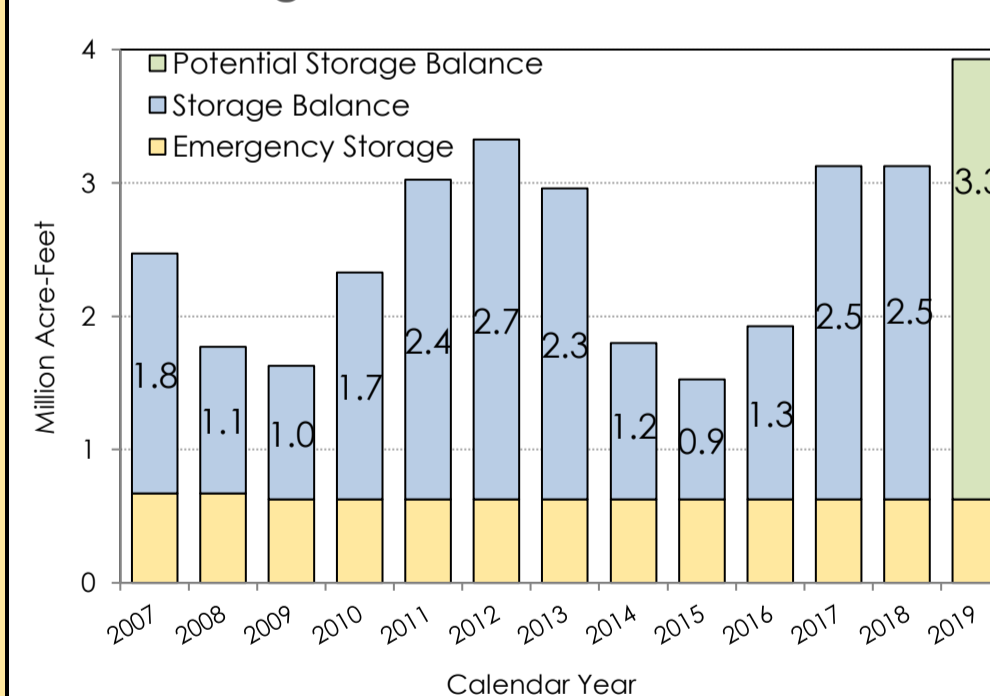
41 TAF more in storage than this time last year



## Southern Sierra Snowpack



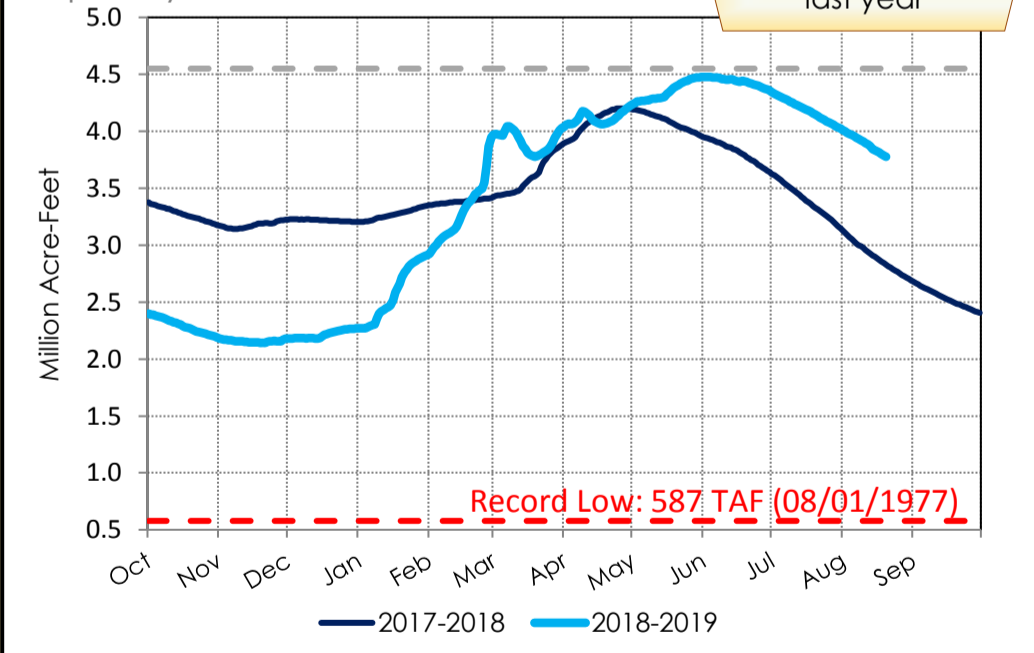
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

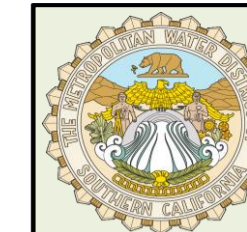
949 TAF more in storage than this time last year



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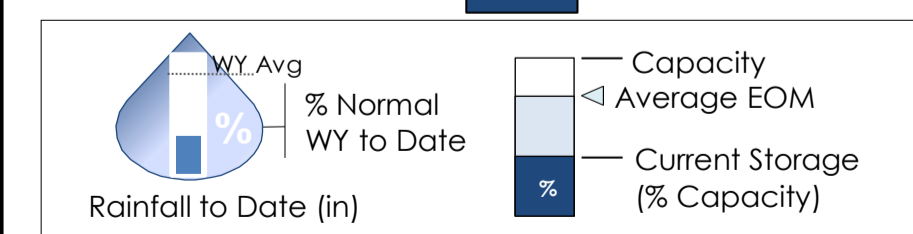
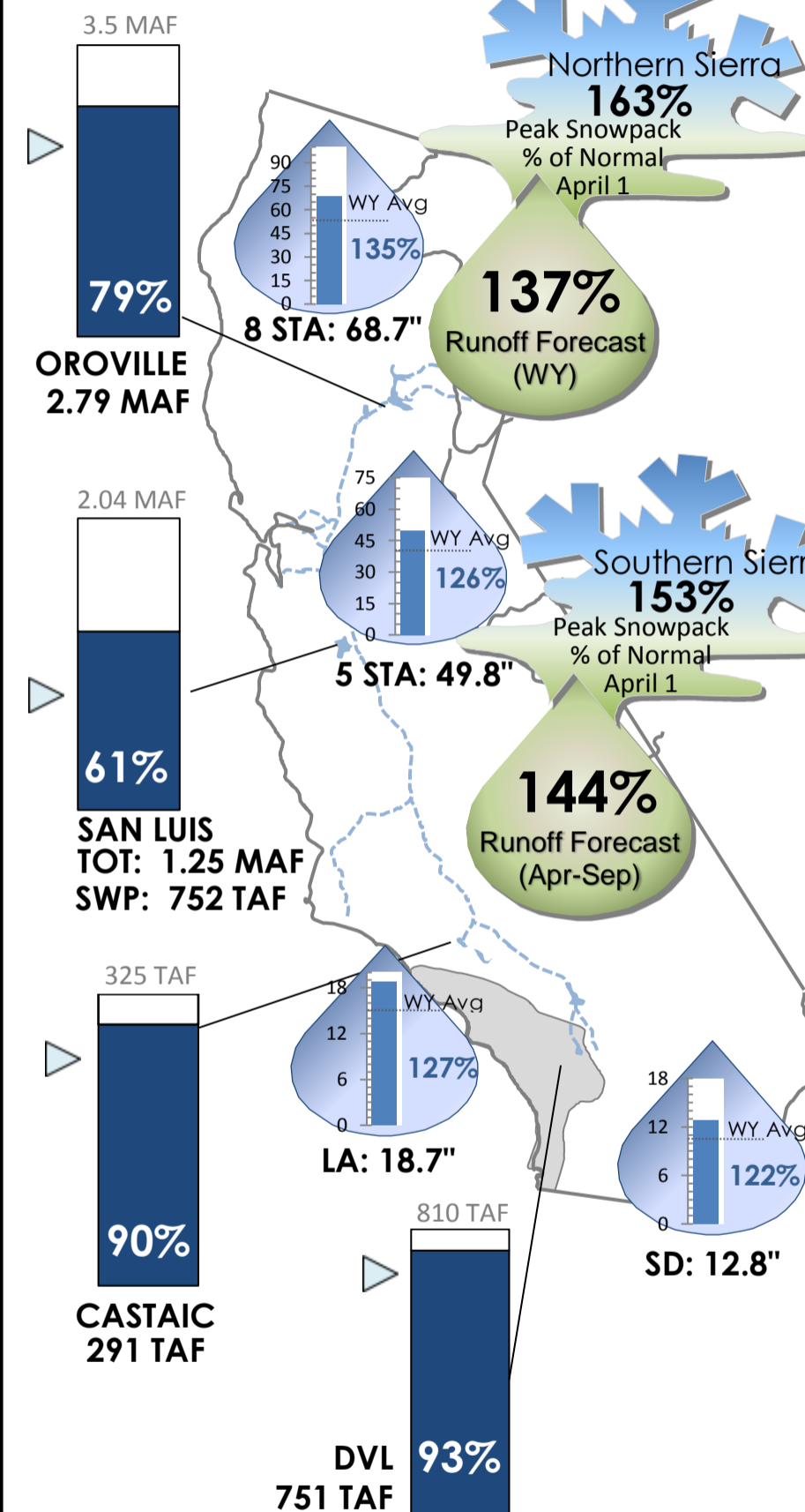
# Water Supply Conditions Report

As of: 08/20/2019

## 2019 SWP Allocation

1,433,625 AF

75% of Table A



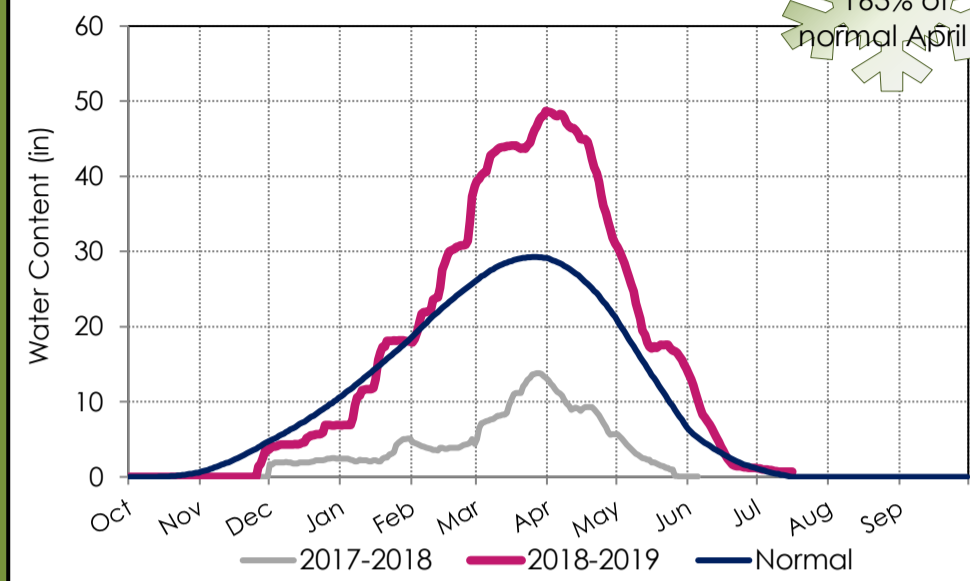
Flip Over for CRA Data

Turn page for more SWP Data

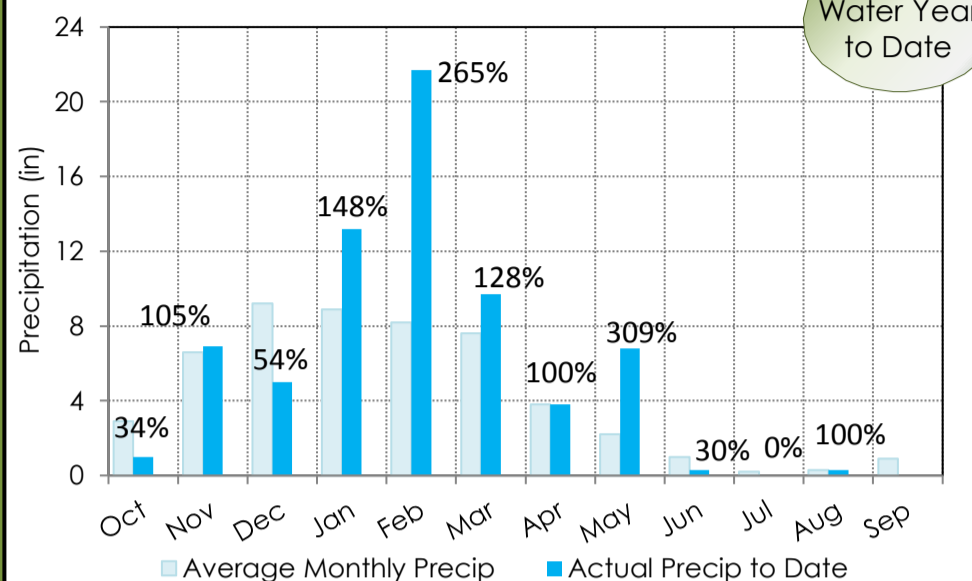
As of: 08/20/2019

# State Water Project Resources

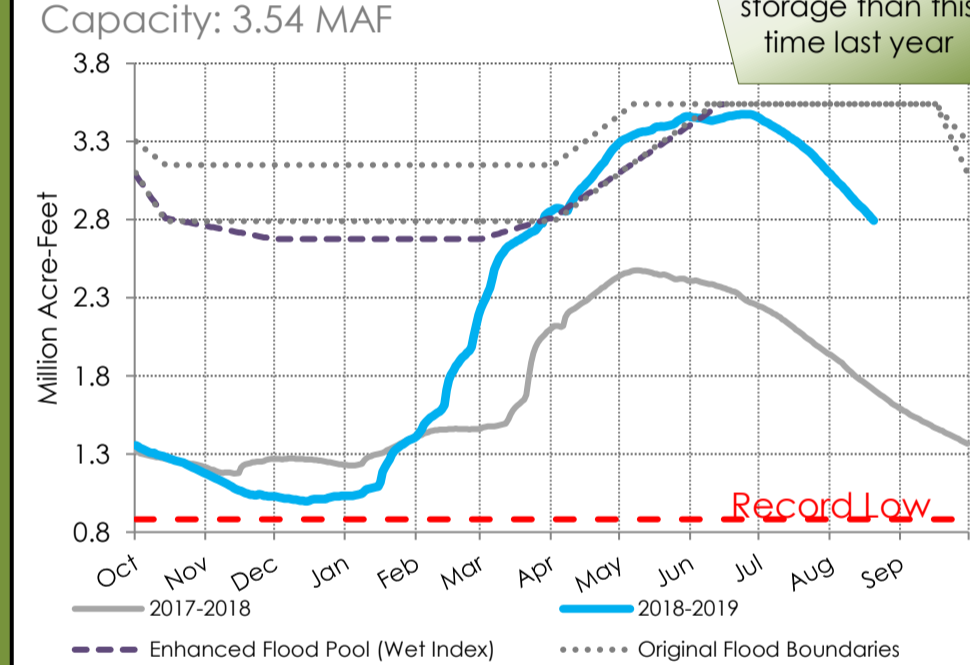
## Northern Sierra Snowpack



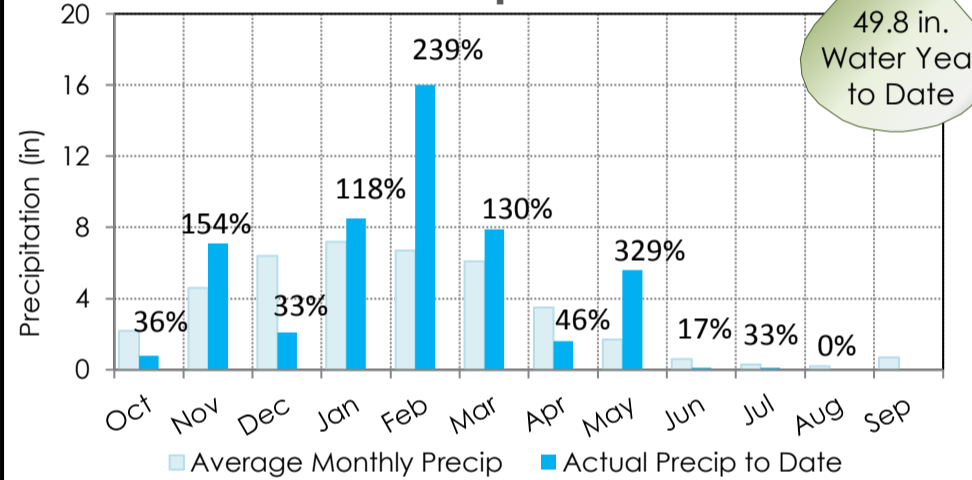
## 8 Station Index Precip



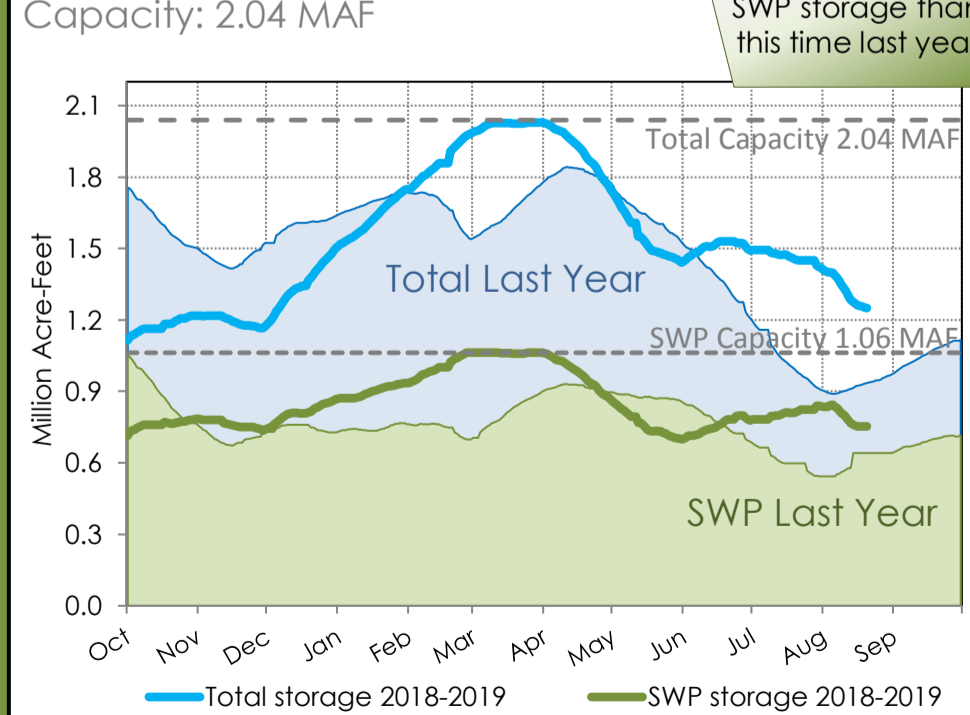
## Oroville Reservoir Storage



## 5 Station Index Precip



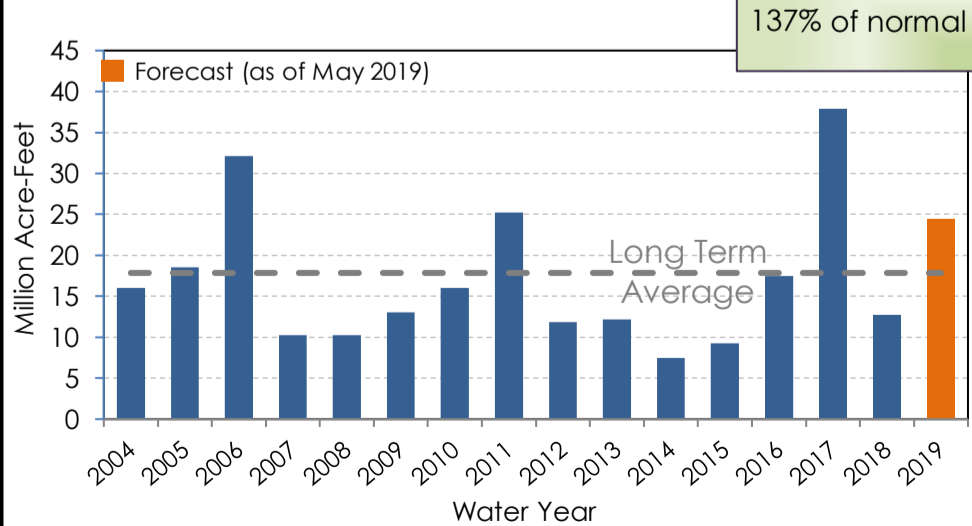
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

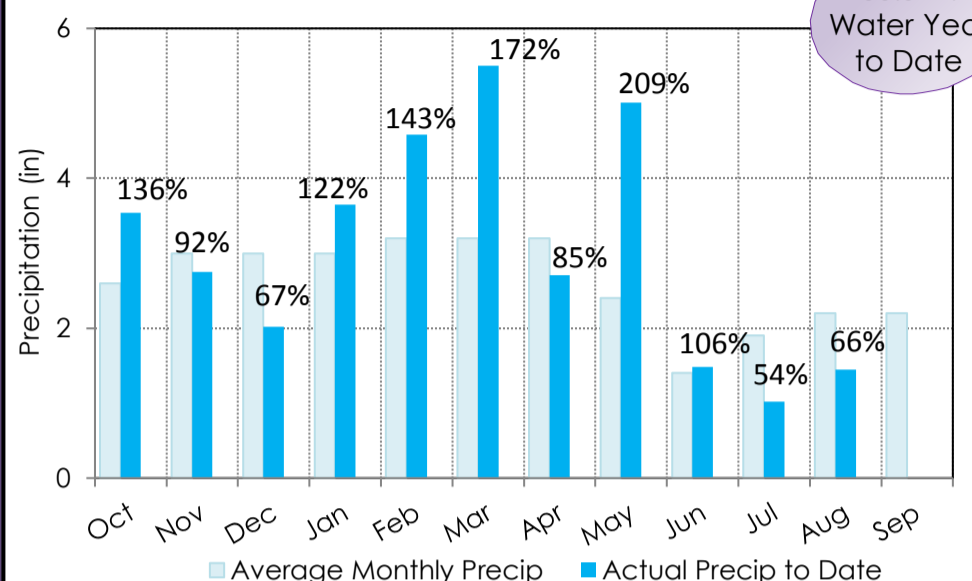
## Sacramento River Runoff



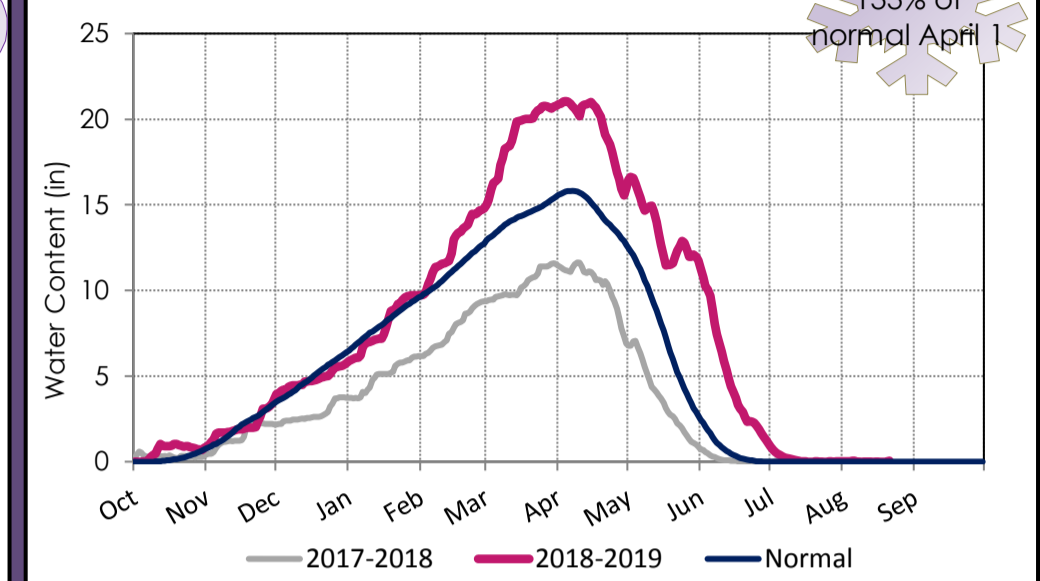
# Colorado River Resources

As of: 08/20/2019

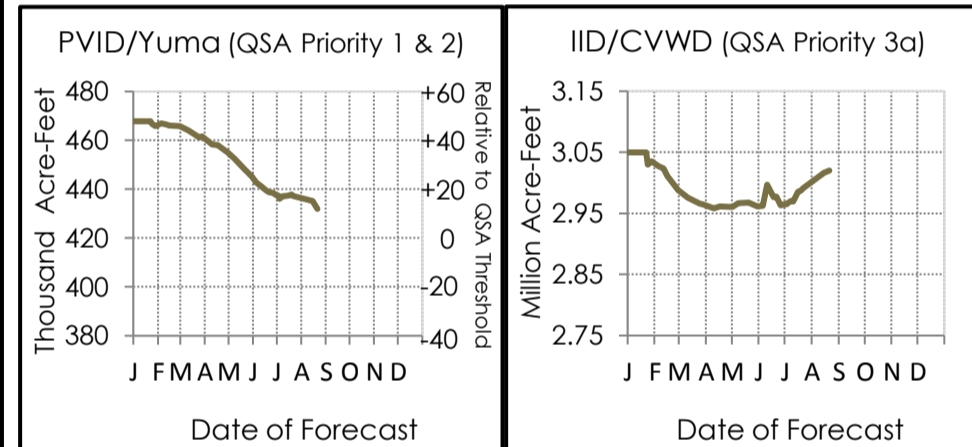
## Upper Colorado Basin Precip



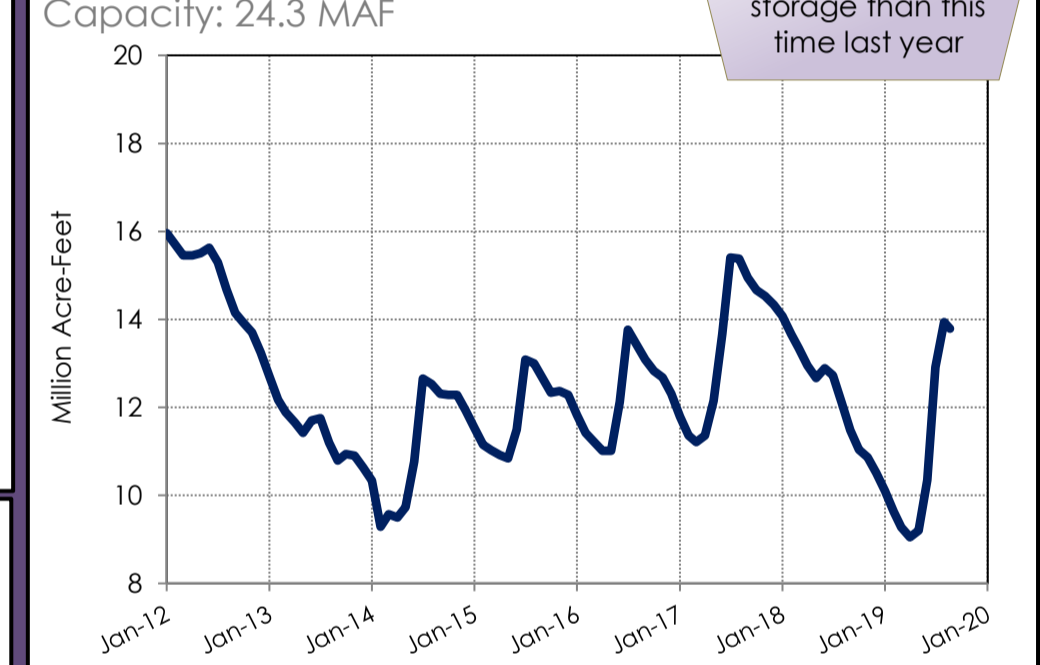
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

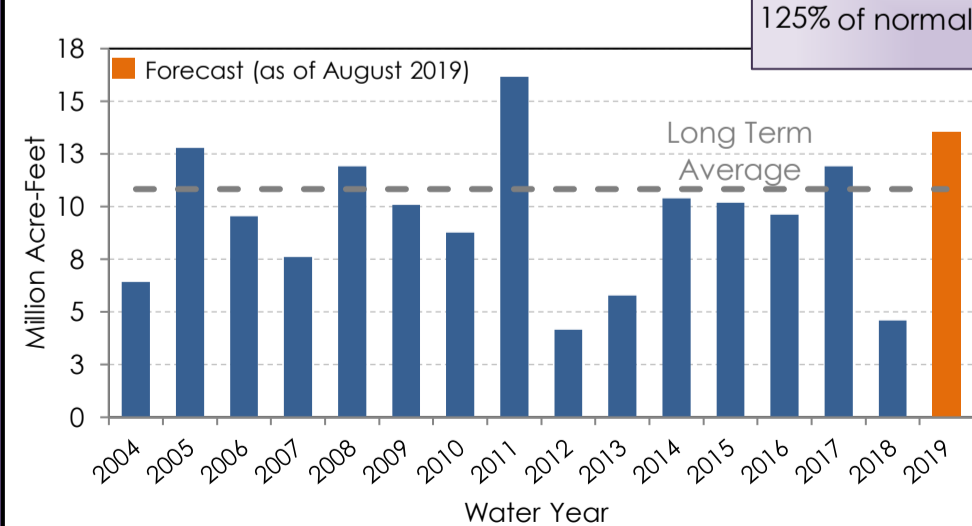


## Lake Mead Shortage/Surplus Outlook

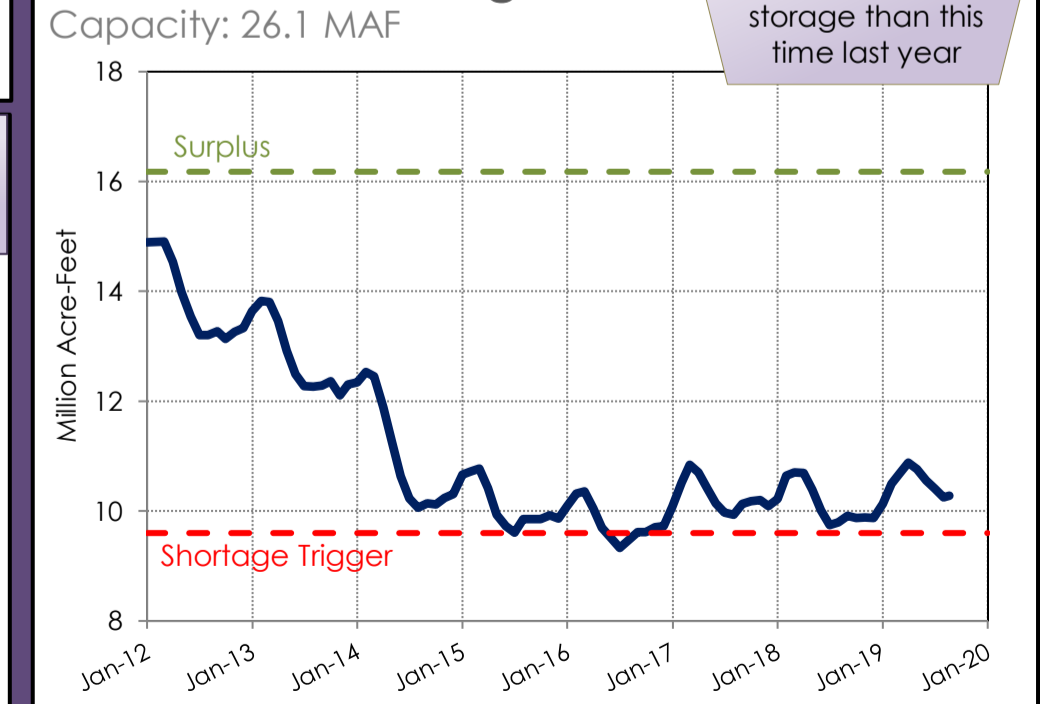
	2020	2021	2022	2023	2024
Shortage	0%	6%	26%	31%	37%
Surplus	0%	< 1%	8%	13%	19%

Likelihood based on results from the June 2019 MTOM/CRSS model run. Includes DCP Contributions.

## Powell Unregulated Inflow



## Lake Mead Storage



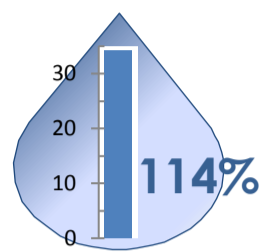


# Water Supply Conditions Report

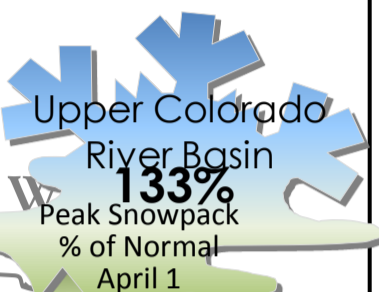
As of: 09/12/2019

## 2019 Colorado River

925,336 AF  
74% of full CRA  
Does not include storage withdrawals



34.3"



122%  
Runoff Forecast (WY)

24.3 MAF

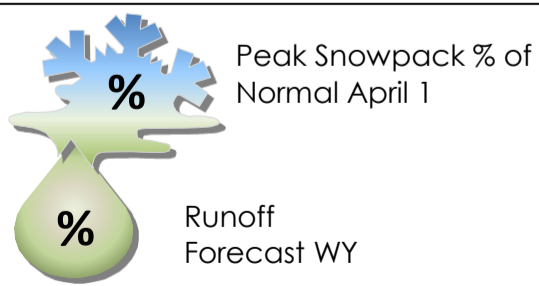
55%

POWELL  
13.47 MAF

26.1 MAF

39%

MEAD  
10.29 MAF  
1083.32 FT



Turn page for more CRA Data

Flip Over for SWP

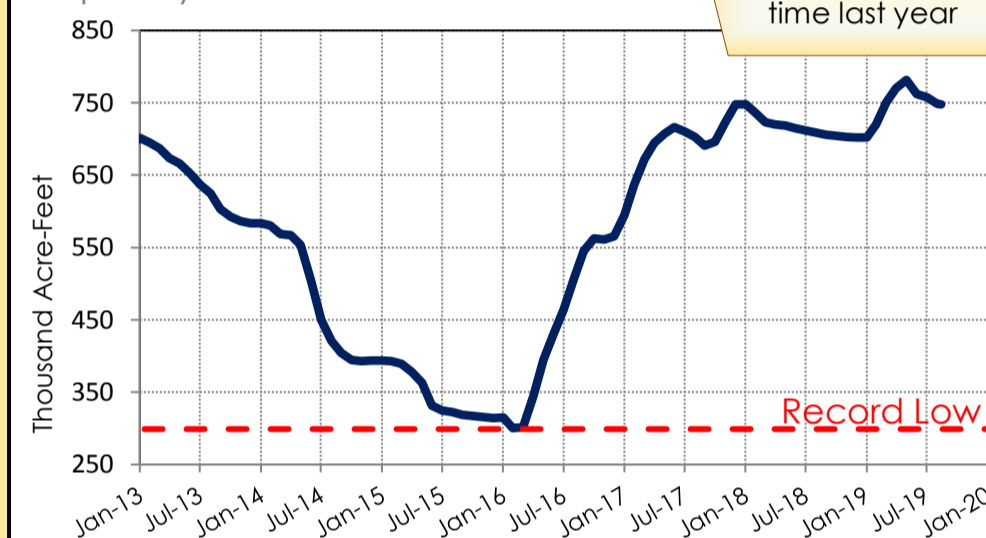
## Highlights

- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- ◆ Lake Powell inflow forecast is at 122% of normal

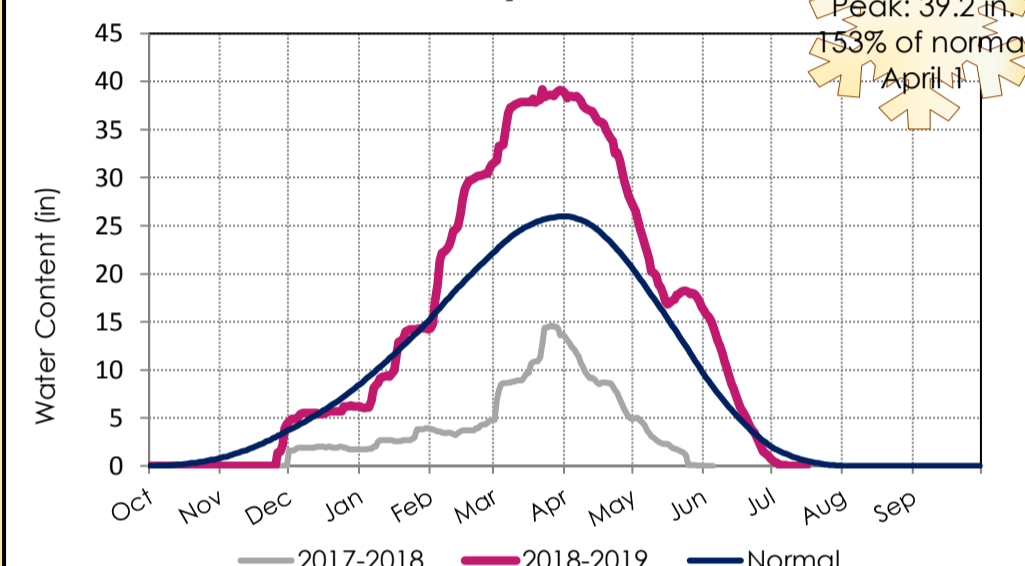
## Diamond Valley Lake Storage

Capacity: 810 TAF

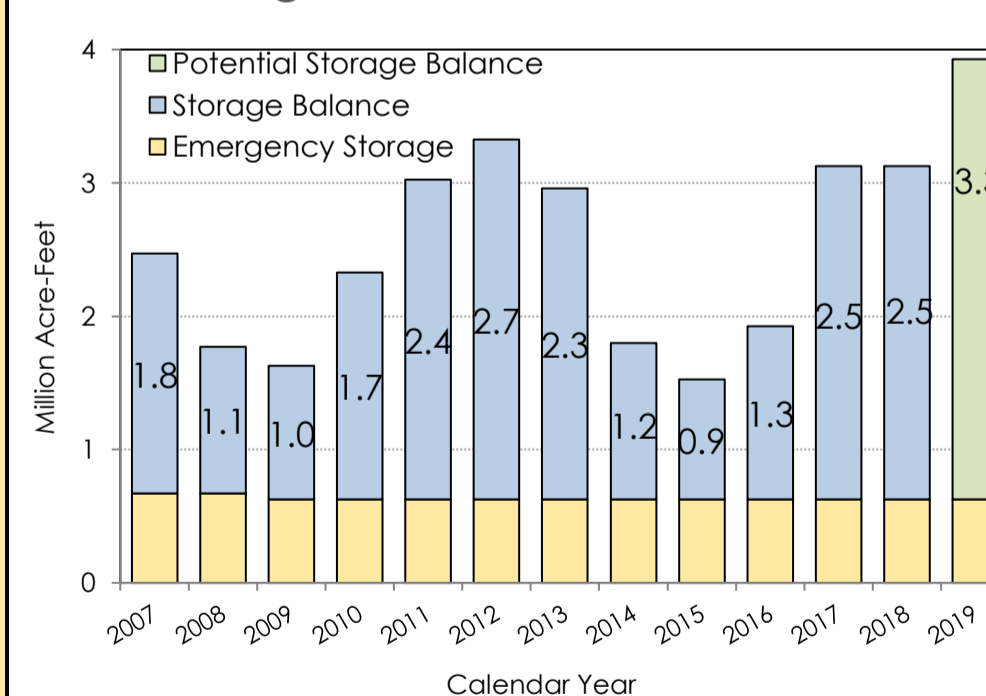
40 TAF more in storage than this time last year



## Southern Sierra Snowpack



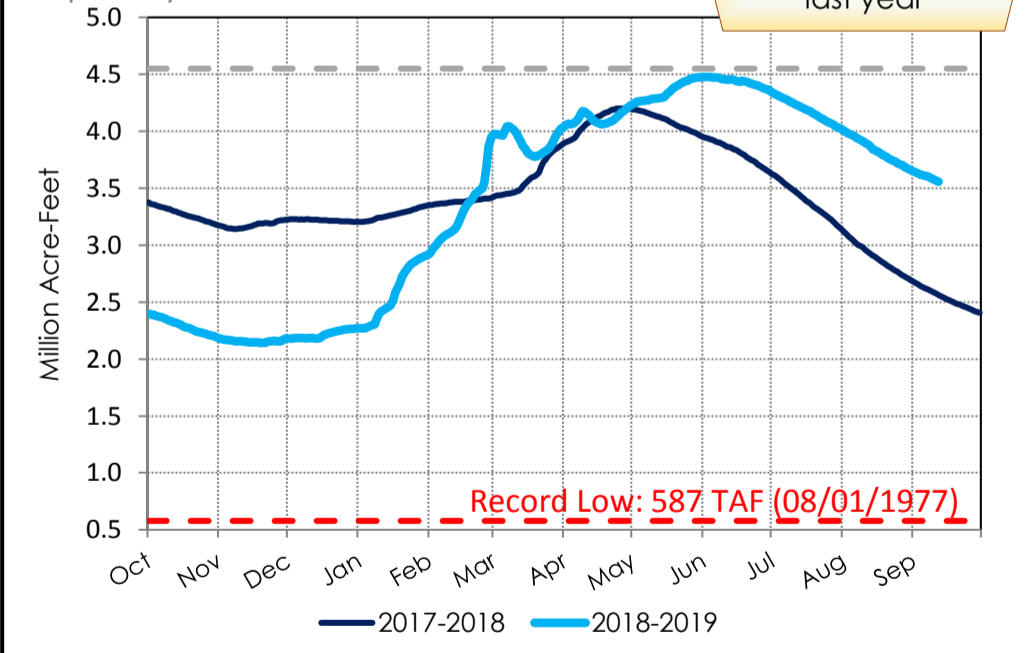
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

993 TAF more in storage than this time last year



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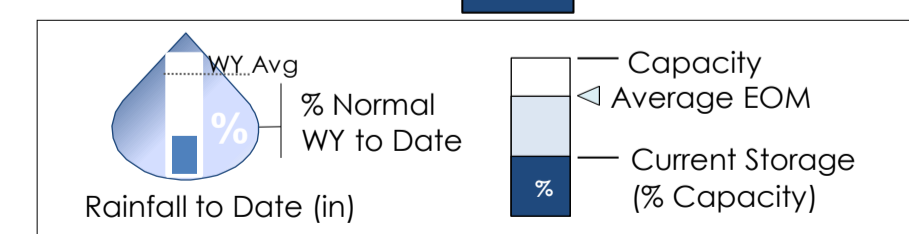
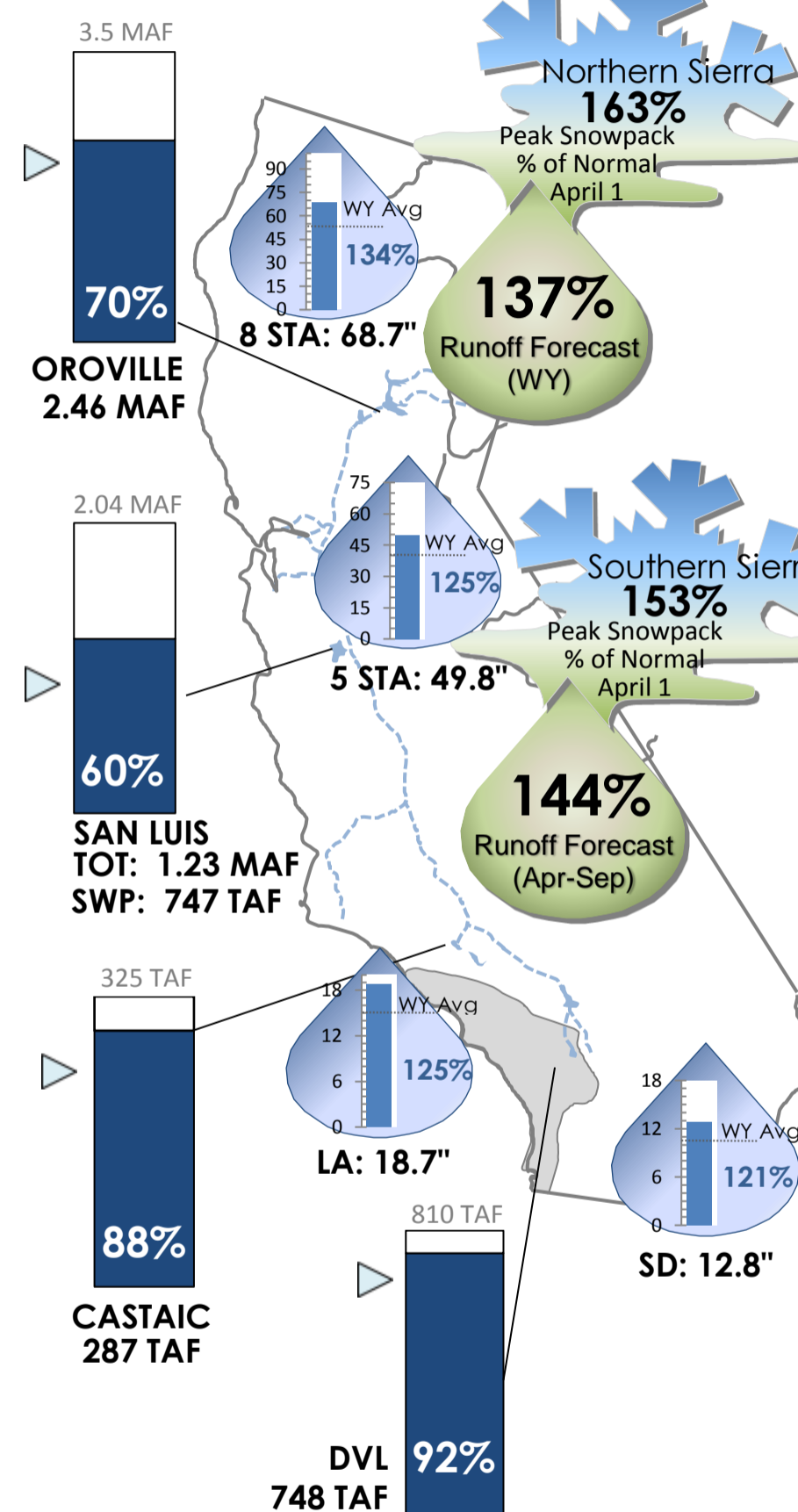


# Water Supply Conditions Report

As of: 09/12/2019

## 2019 SWP Allocation

1,433,625 AF  
75% of Table A



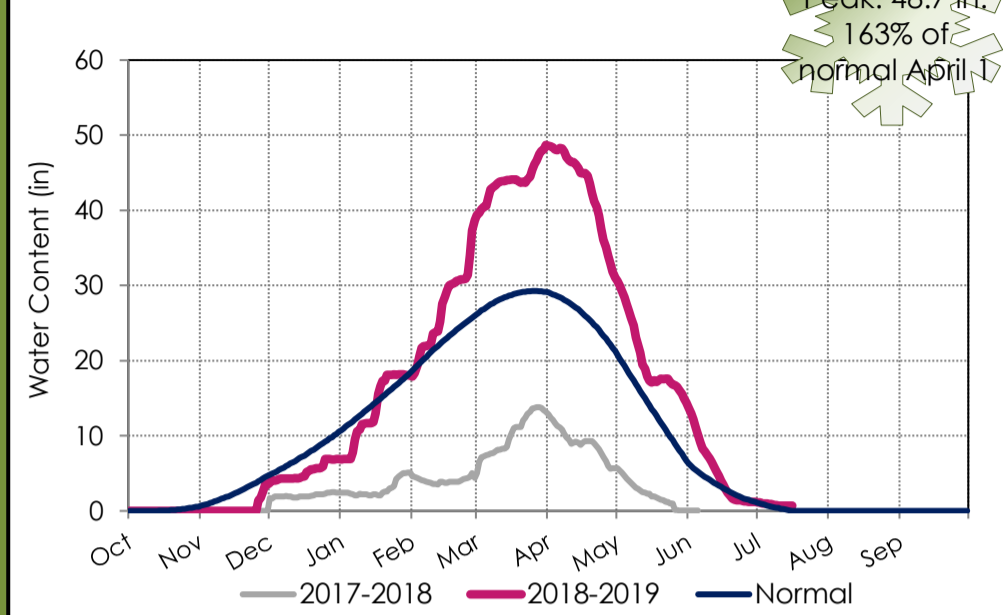
Flip Over for CRA Data

Turn page for more SWP Data

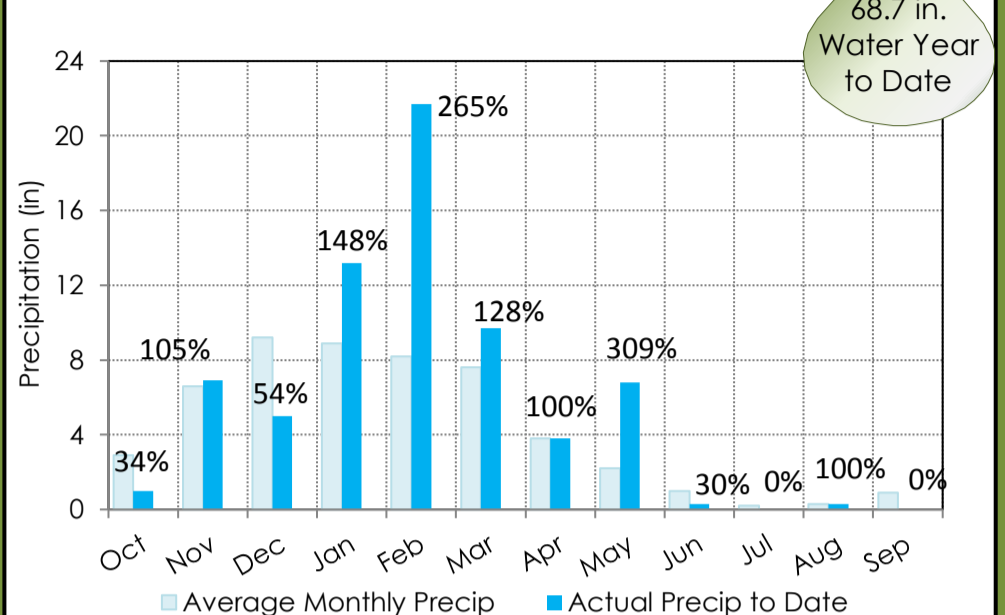
As of: 09/12/2019

# State Water Project Resources

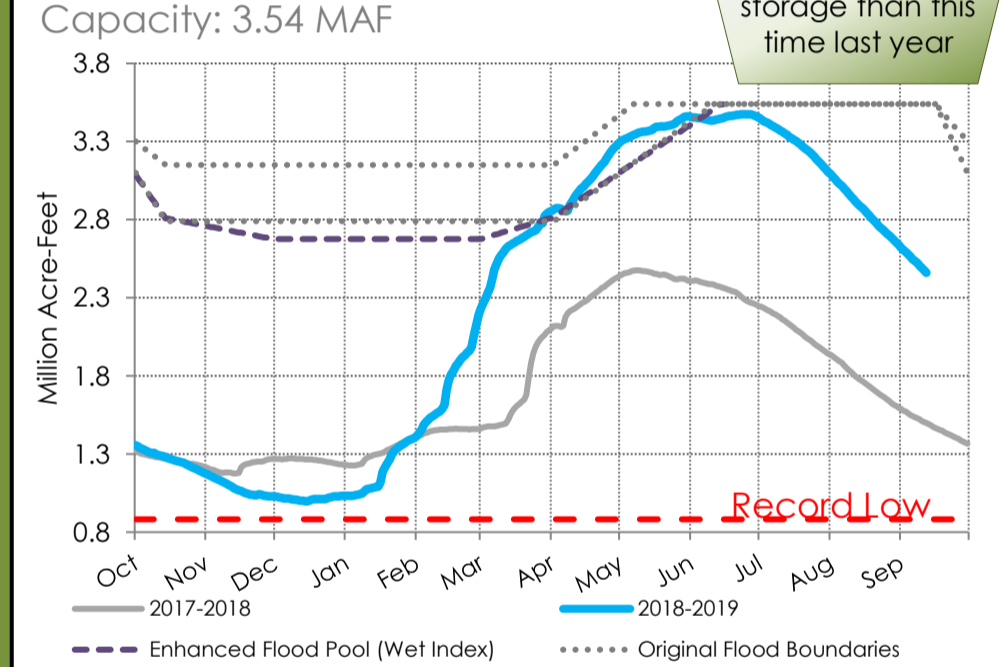
## Northern Sierra Snowpack



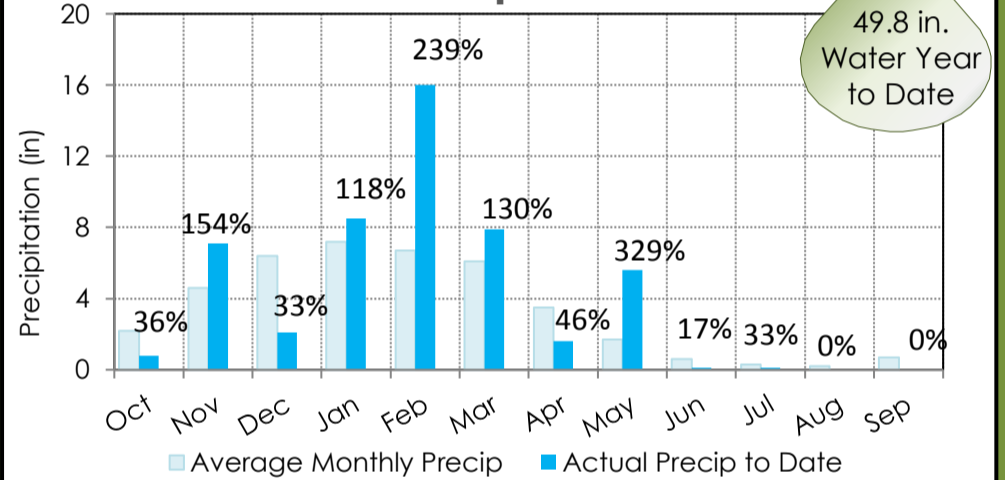
## 8 Station Index Precip



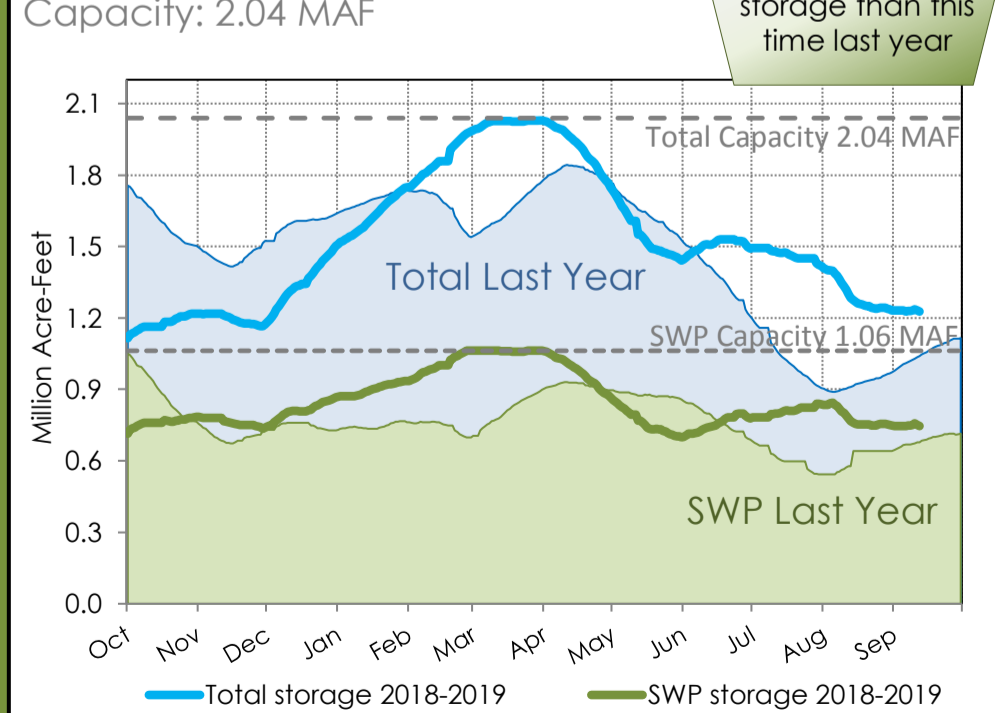
## Oroville Reservoir Storage



## 5 Station Index Precip



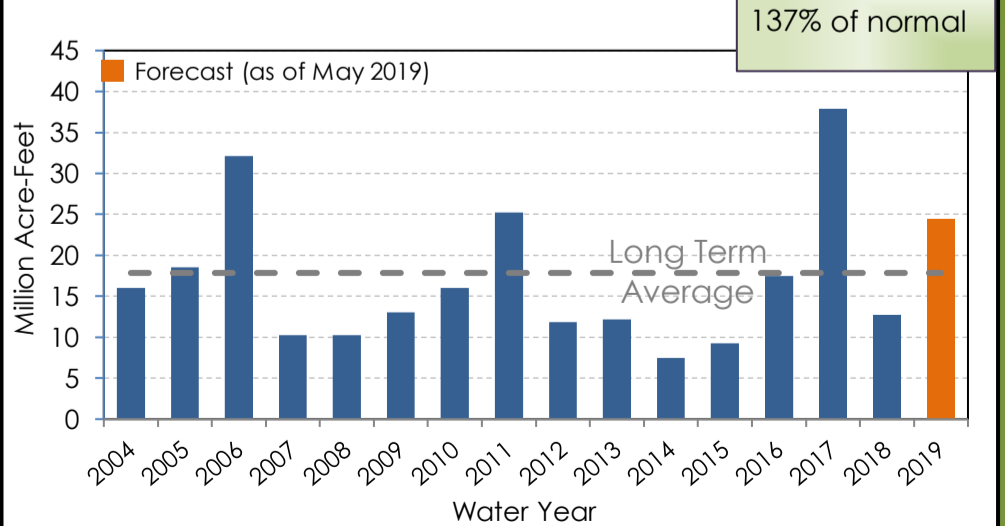
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

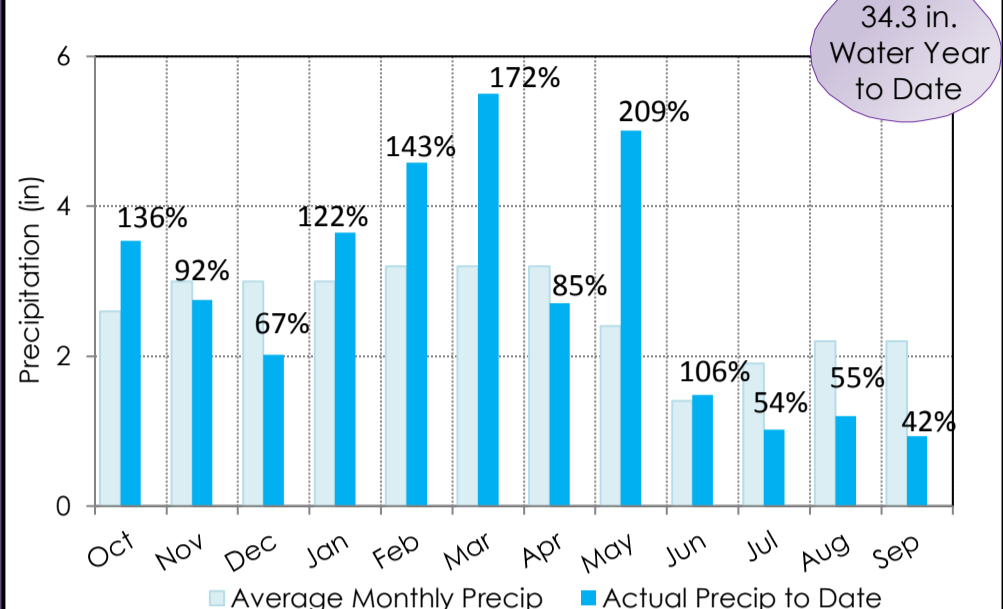
## Sacramento River Runoff



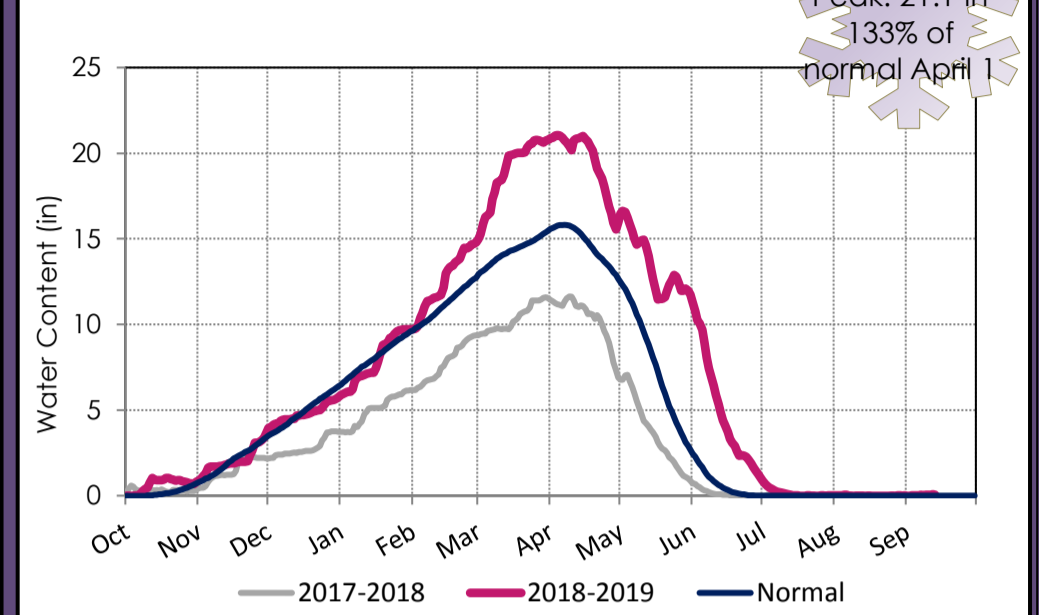
# Colorado River Resources

As of: 09/12/2019

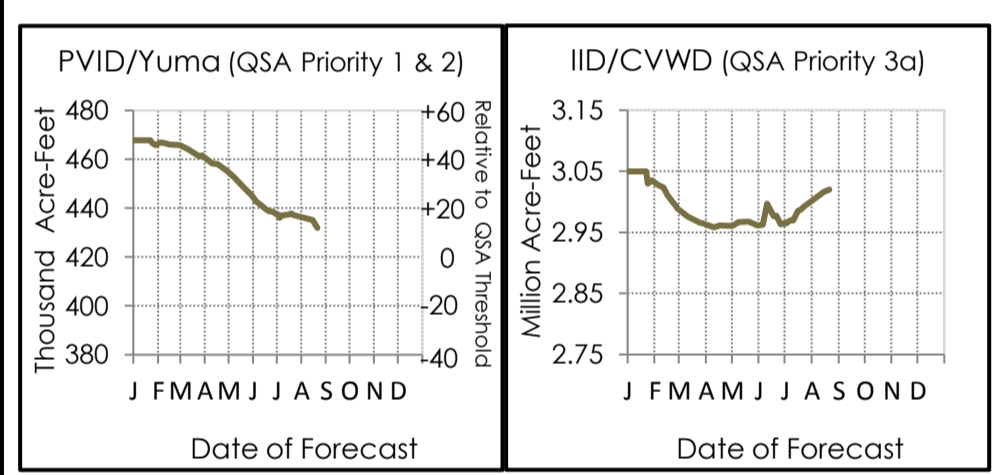
## Upper Colorado Basin Precip



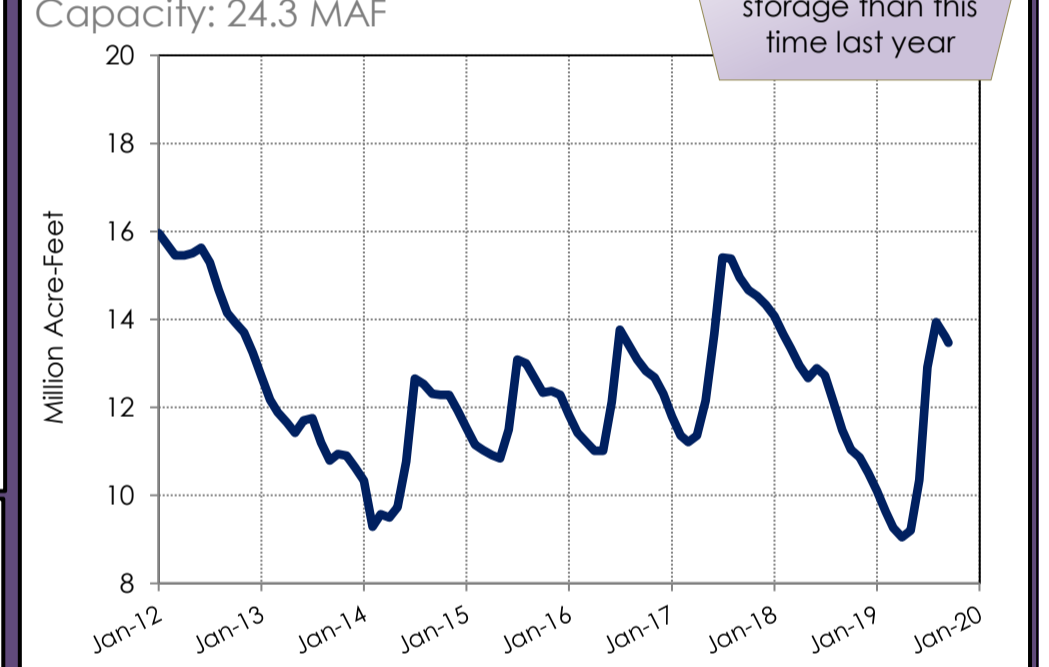
## Upper Colorado Basin Snowpack



## 2018 Colorado River Ag Use



## Lake Powell Storage

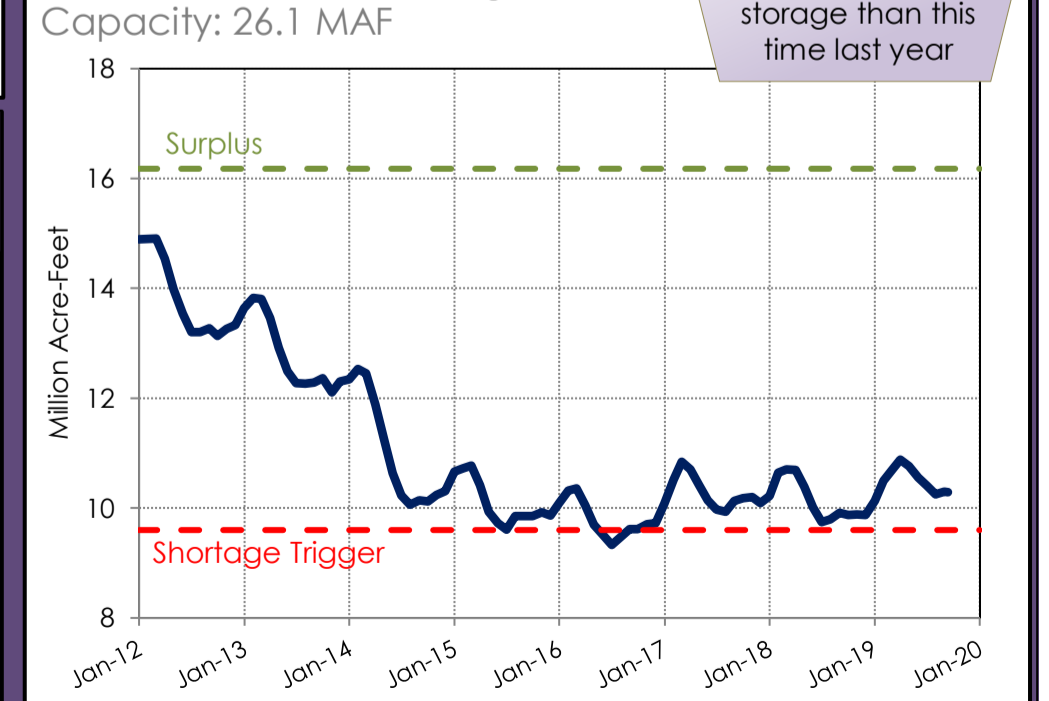


## Lake Mead Shortage/Surplus Outlook

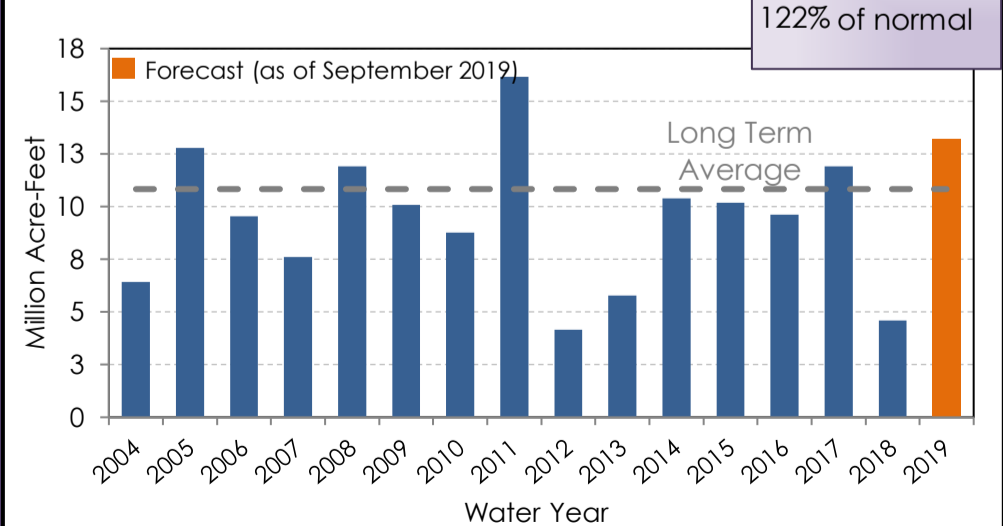
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



## Powell Unregulated Inflow







# Water Supply Conditions Report

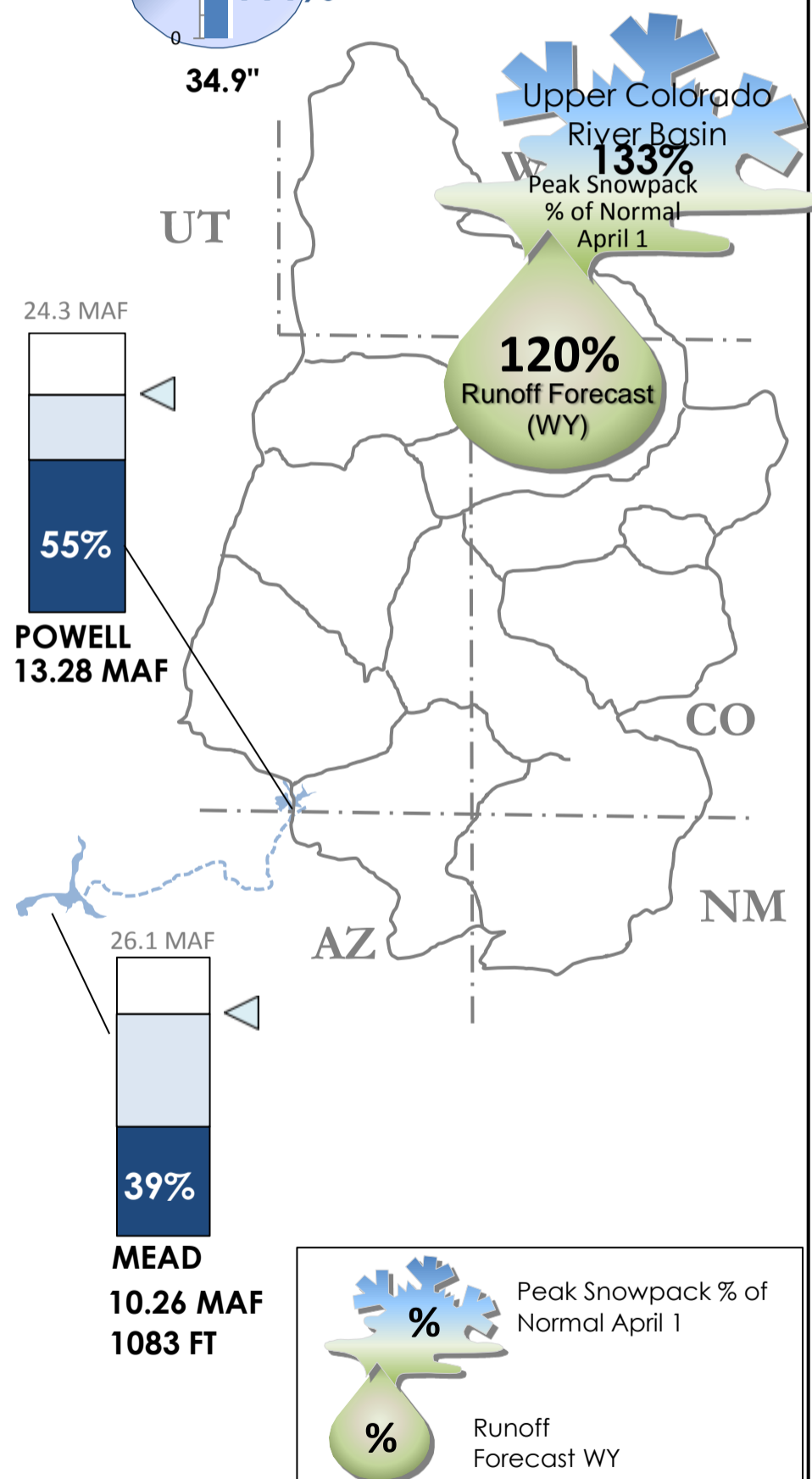
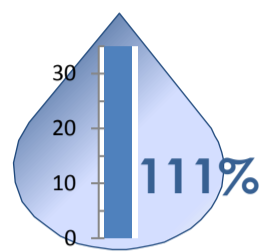
As of: 09/30/2019

## 2019 Colorado River

925,336 AF

74% of full CRA

Does not include storage withdrawals



Turn page for more CRA Data

Flip Over for SWP

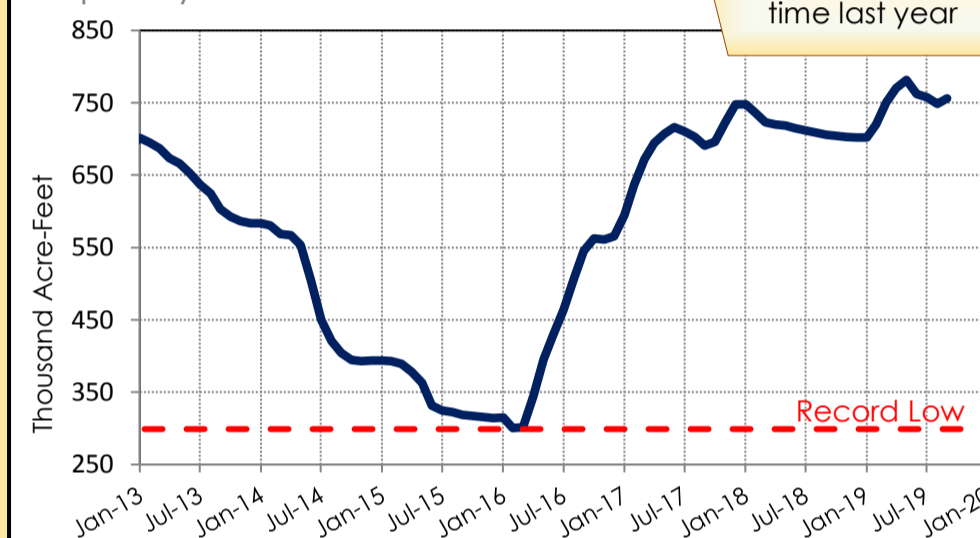
## Highlights

- ◆ Northern Sierra snowpack peaked at 163% of April 1 normal
- ◆ Sacramento River Runoff forecast is 137% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- ◆ Lake Powell inflow is 120% of normal

## Diamond Valley Lake Storage

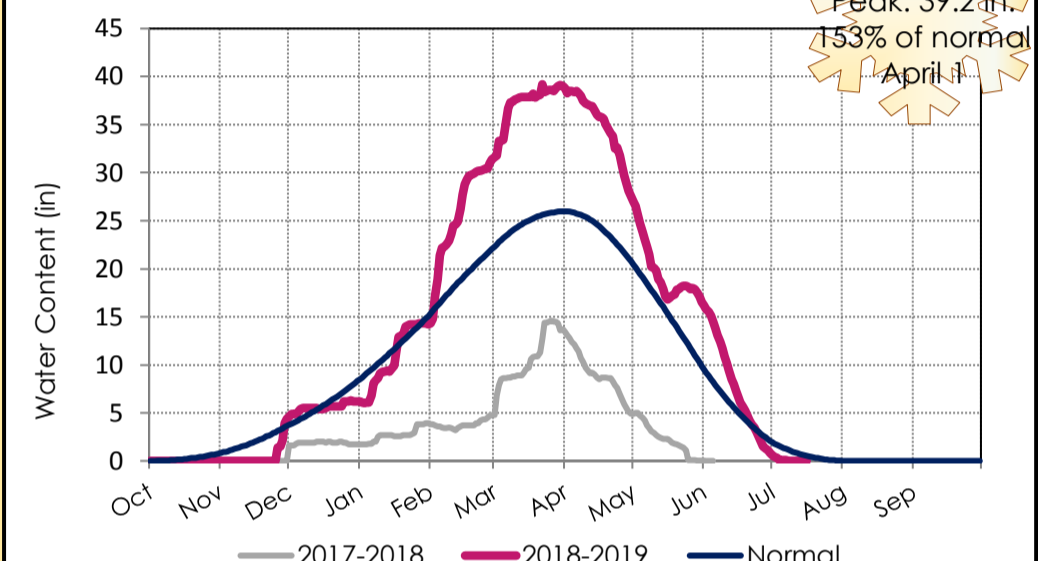
Capacity: 810 TAF

50 TAF more in storage than this time last year

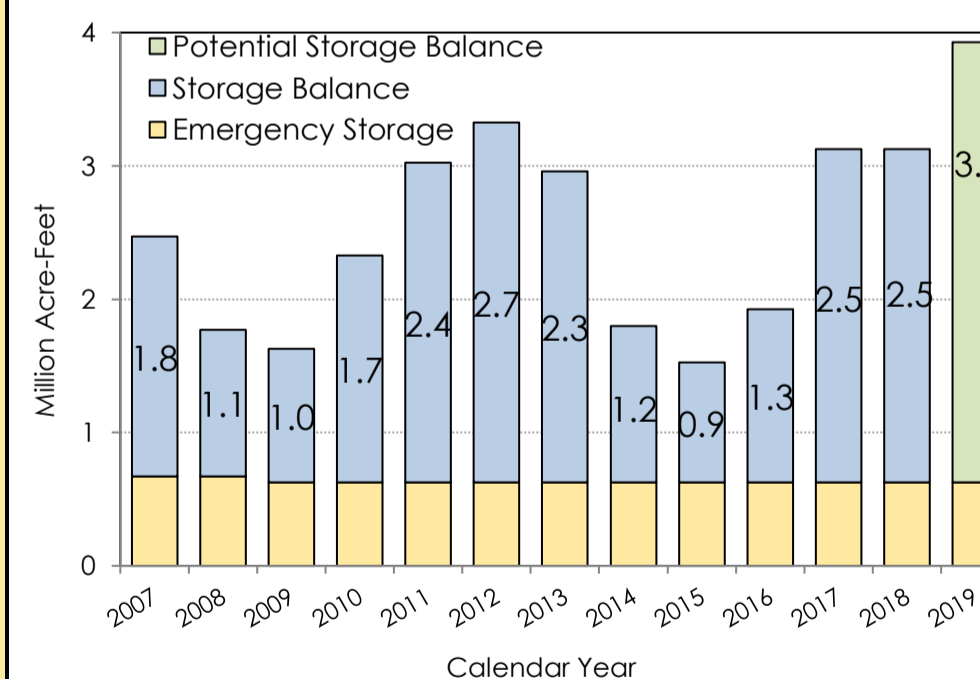


## Southern Sierra Snowpack

Peak: 39.2 in. 153% of normal April 1



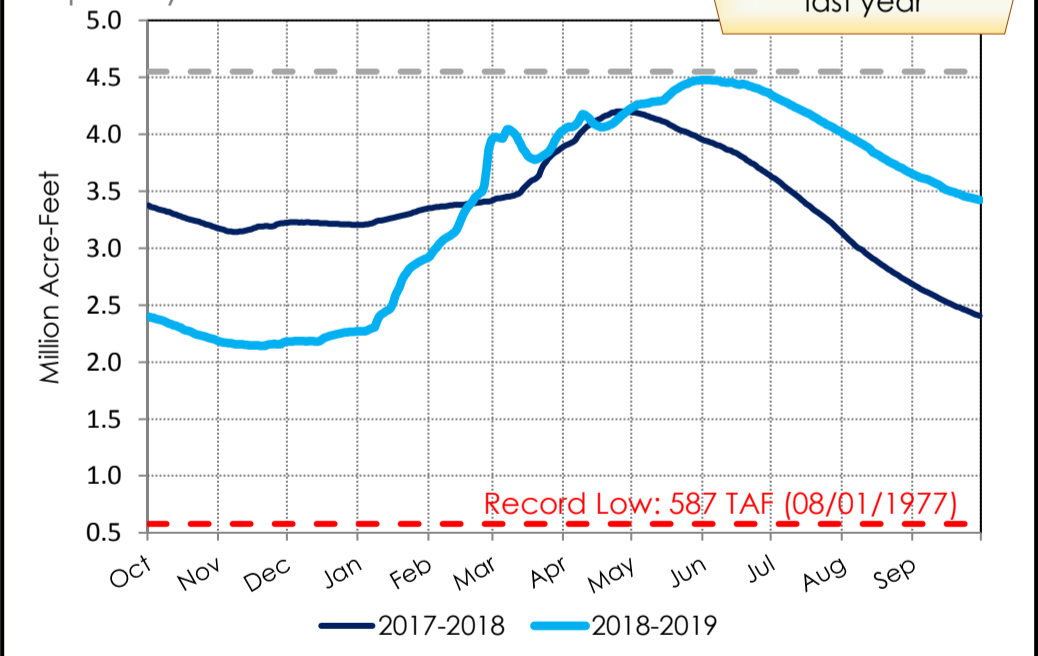
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

1.02 MAF more in storage than this time last year



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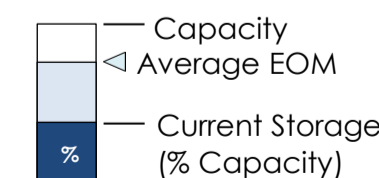
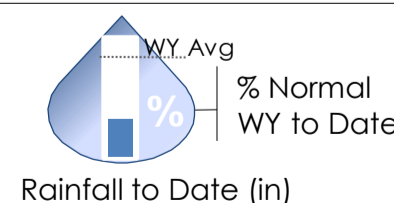
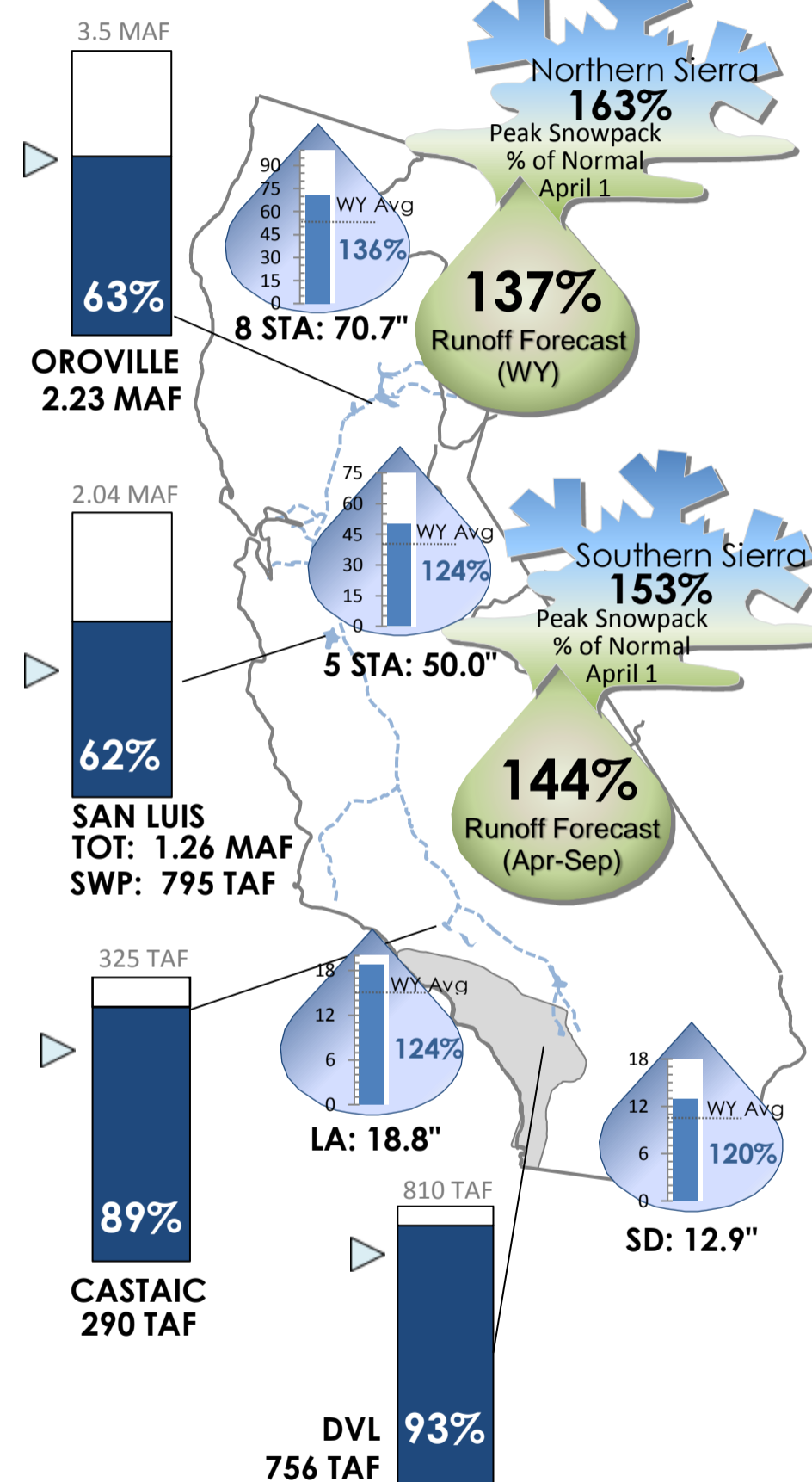
# Water Supply Conditions Report

As of: 09/30/2019

## 2019 SWP Allocation

1,433,625 AF

75% of Table A



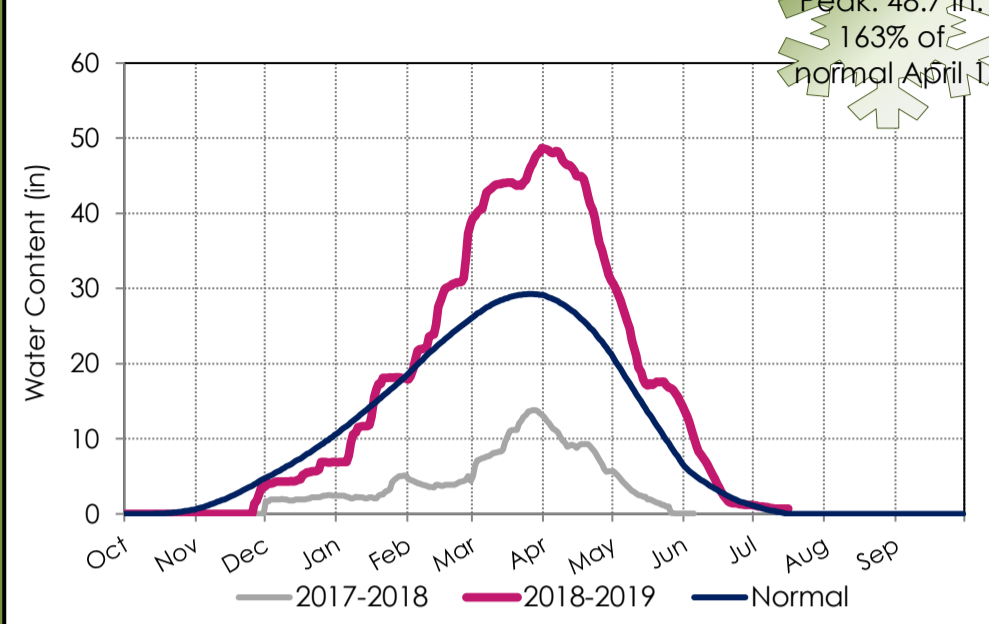
Flip Over for CRA Data

Turn page for more SWP Data

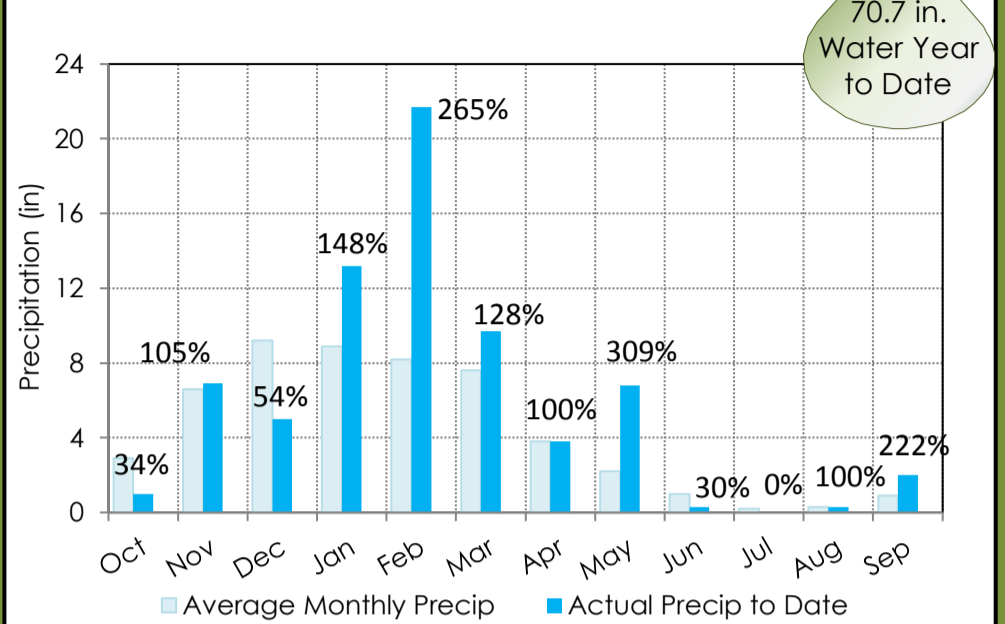
As of: 09/30/2019

# State Water Project Resources

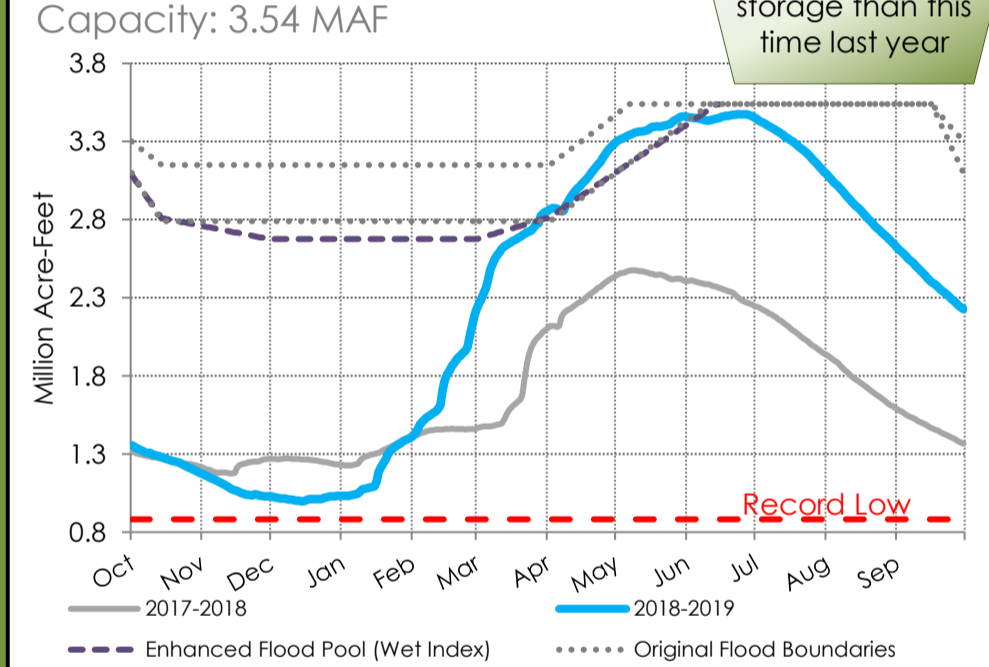
## Northern Sierra Snowpack



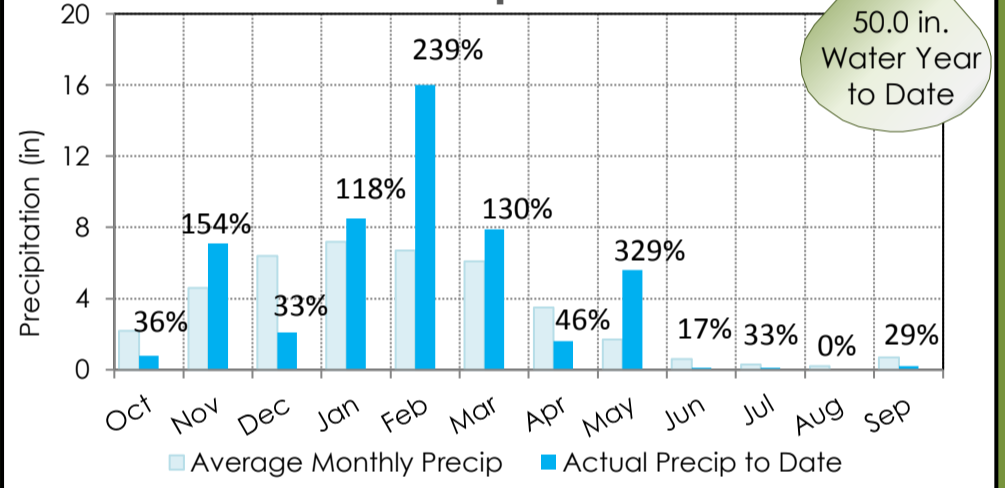
## 8 Station Index Precip



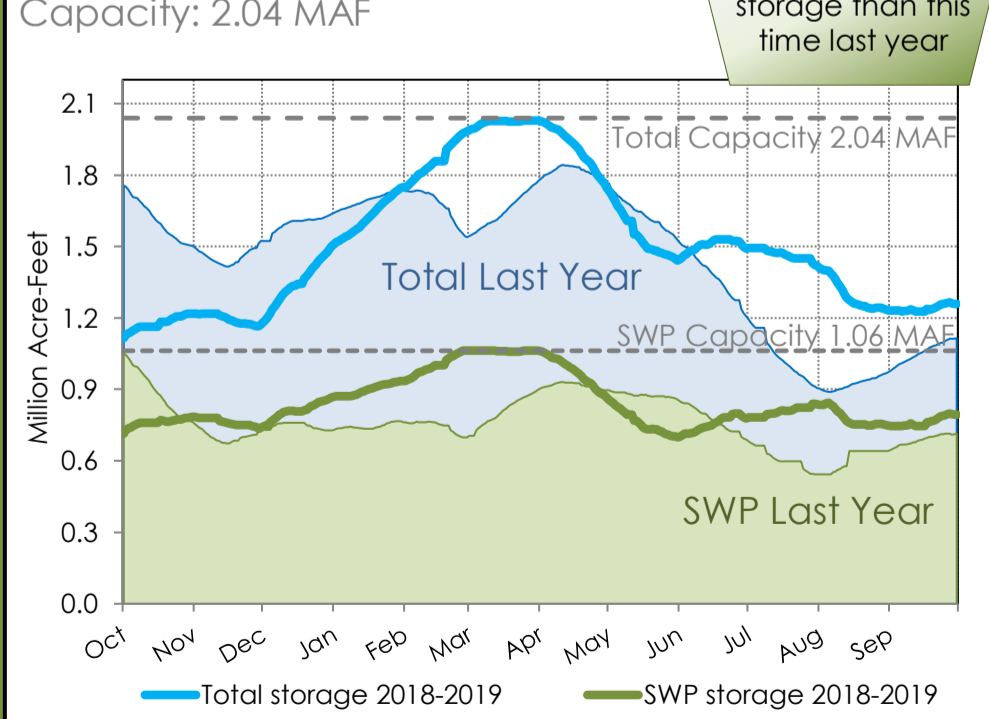
## Oroville Reservoir Storage



## 5 Station Index Precip



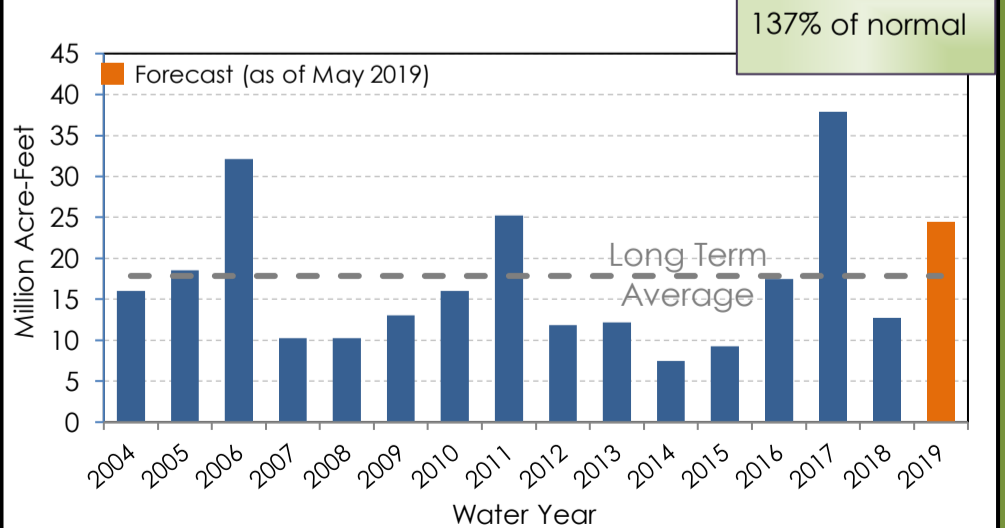
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

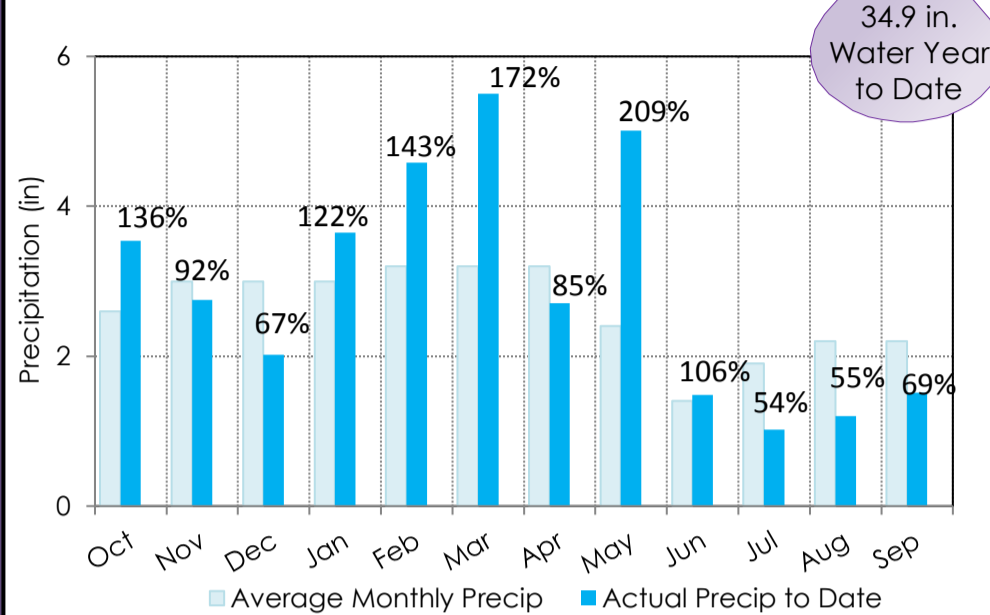
## Sacramento River Runoff



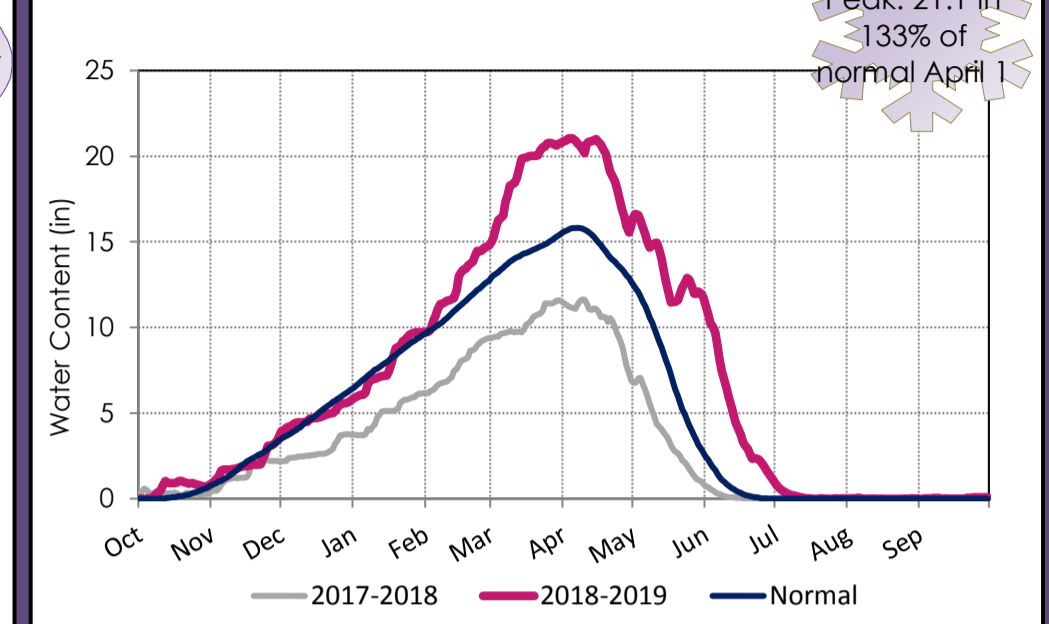
# Colorado River Resources

As of: 09/30/2019

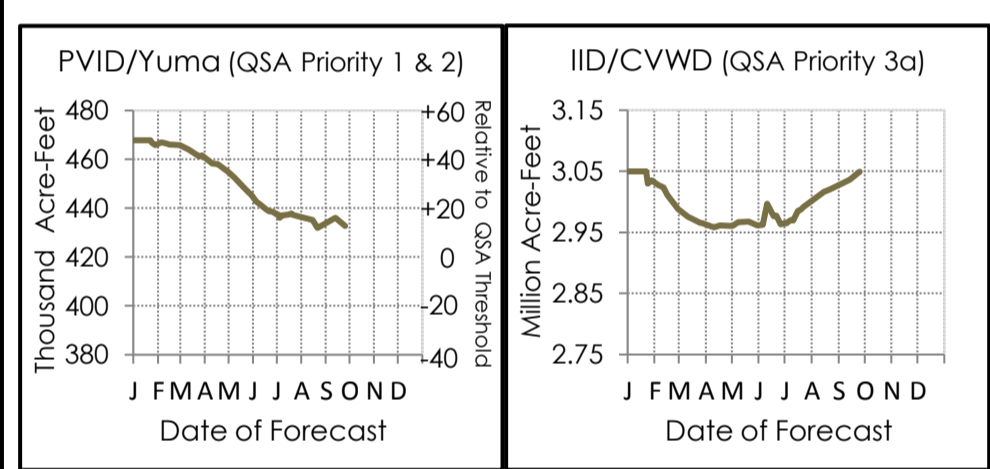
## Upper Colorado Basin Precip



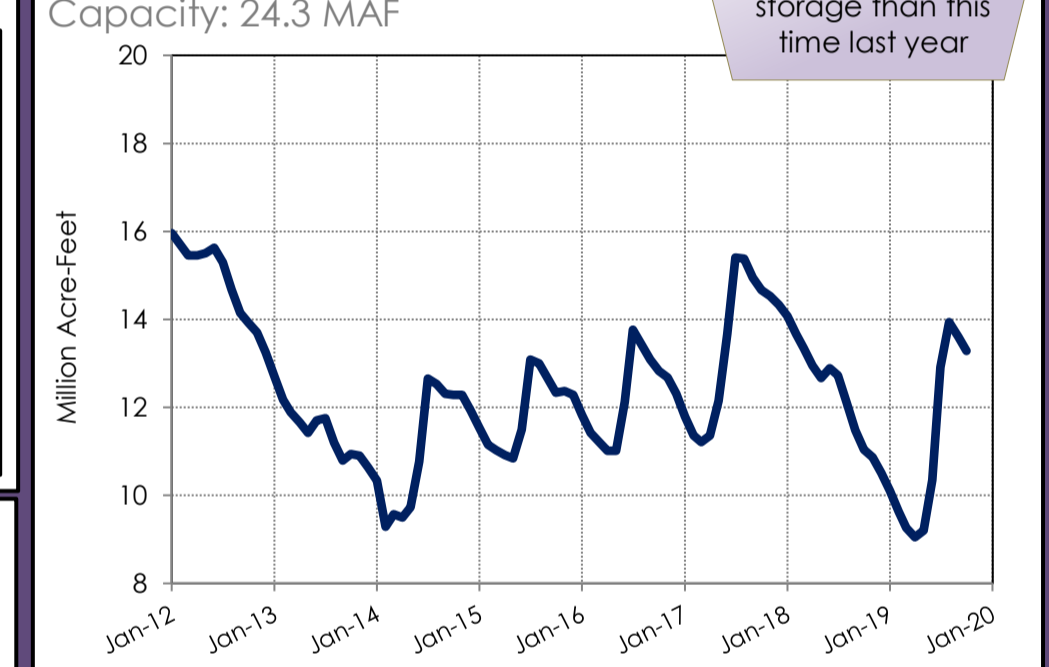
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

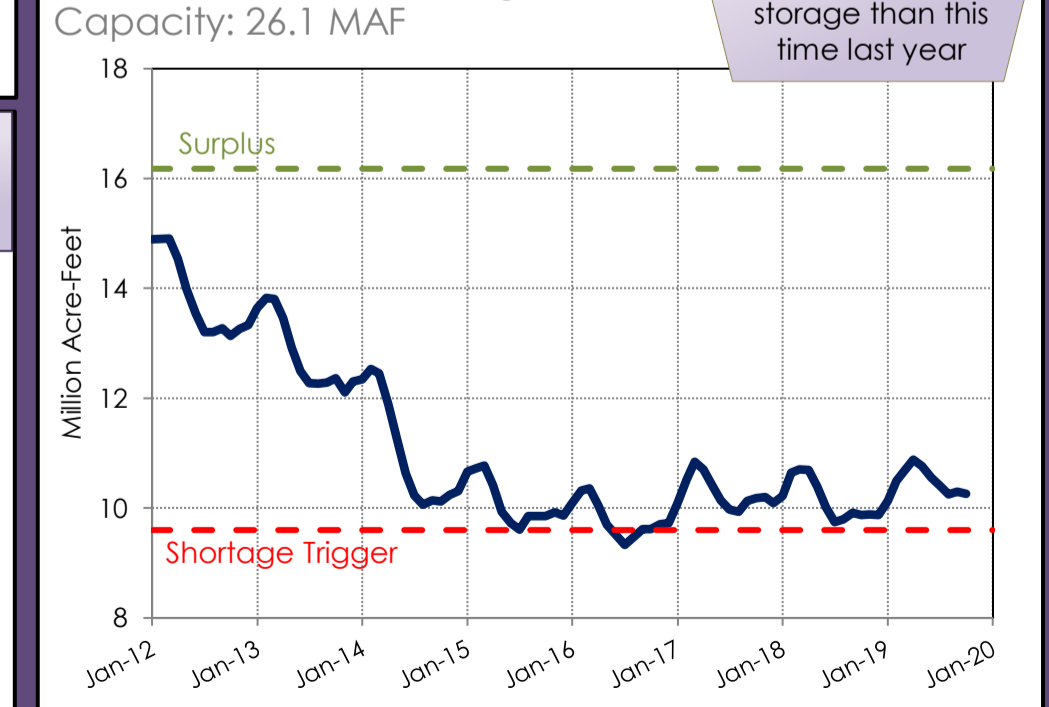


## Lake Mead Shortage/Surplus Outlook

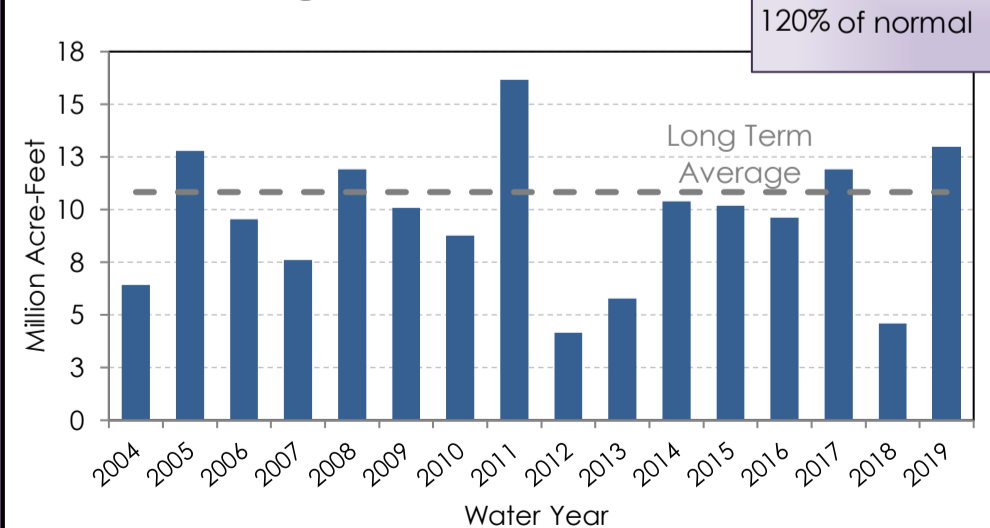
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

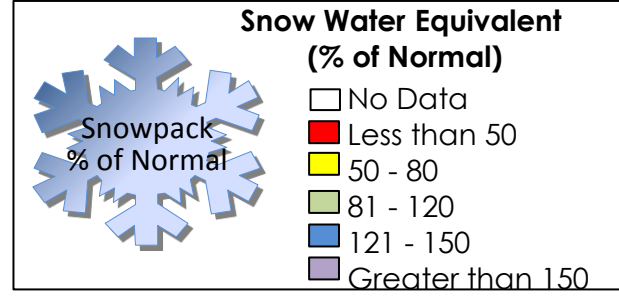
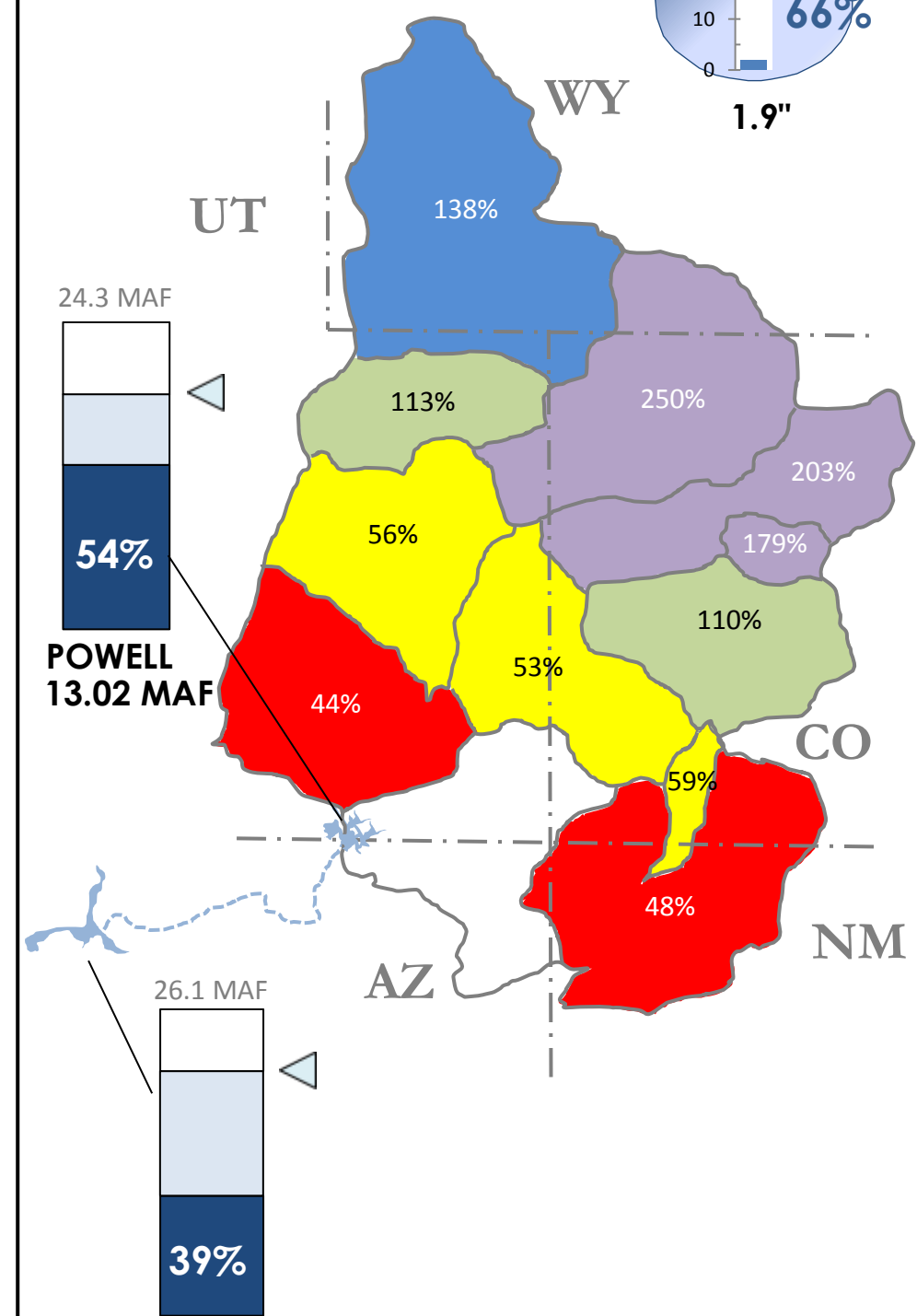
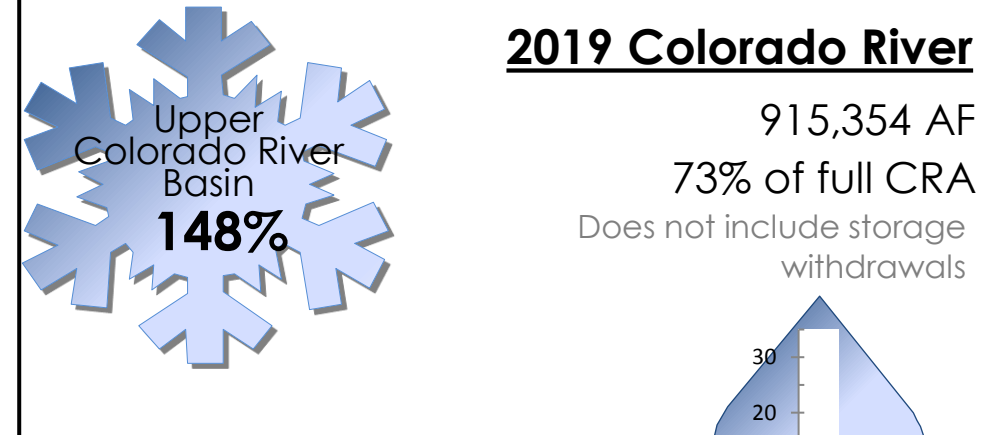
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



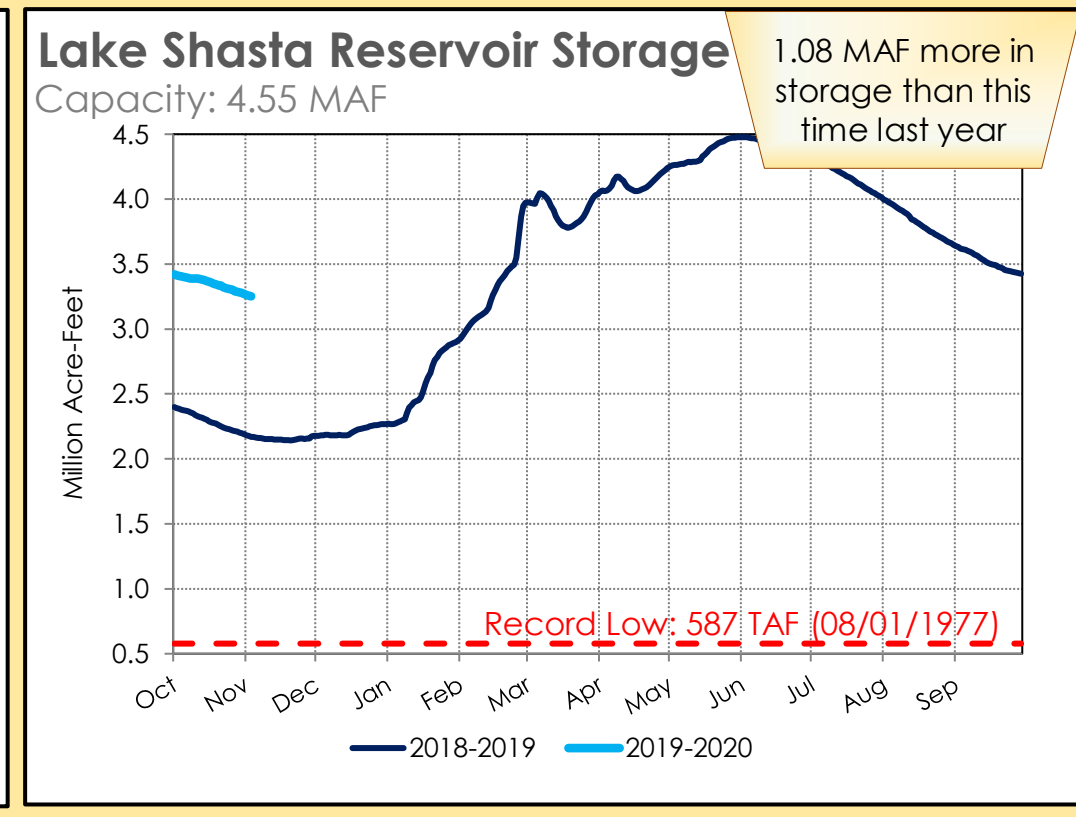
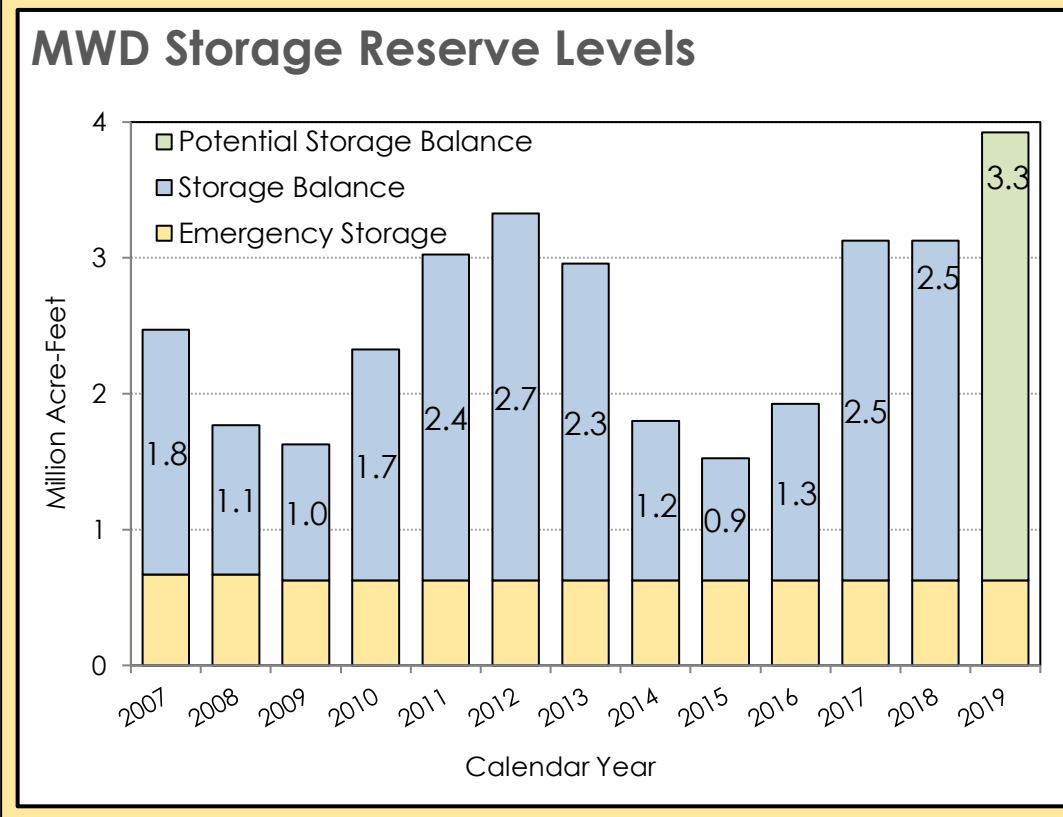
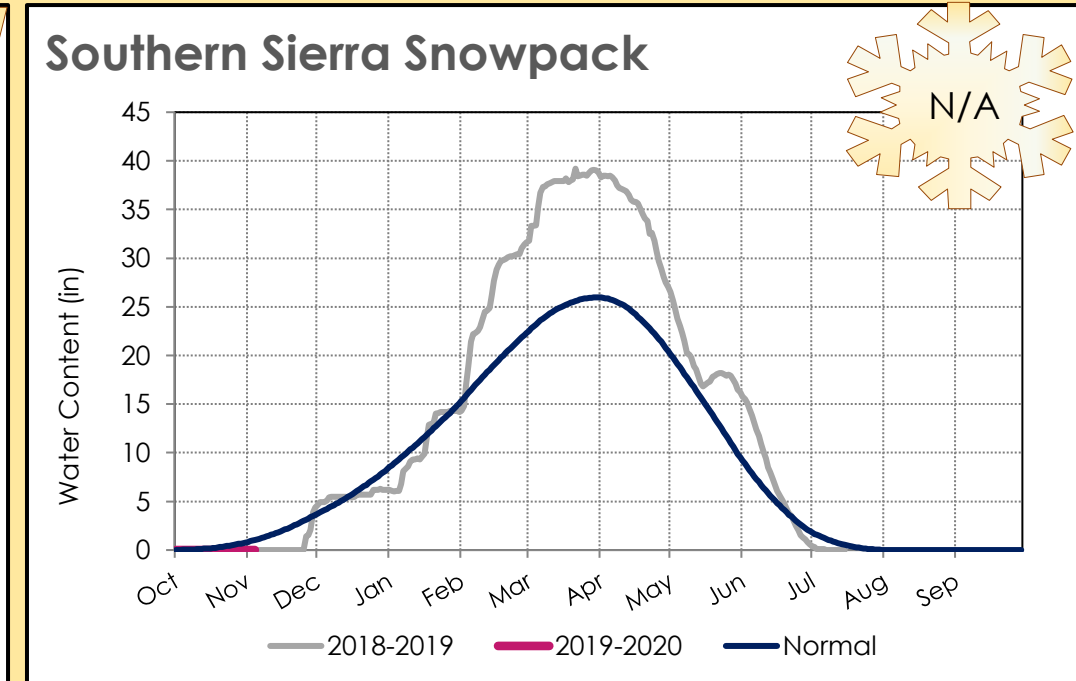
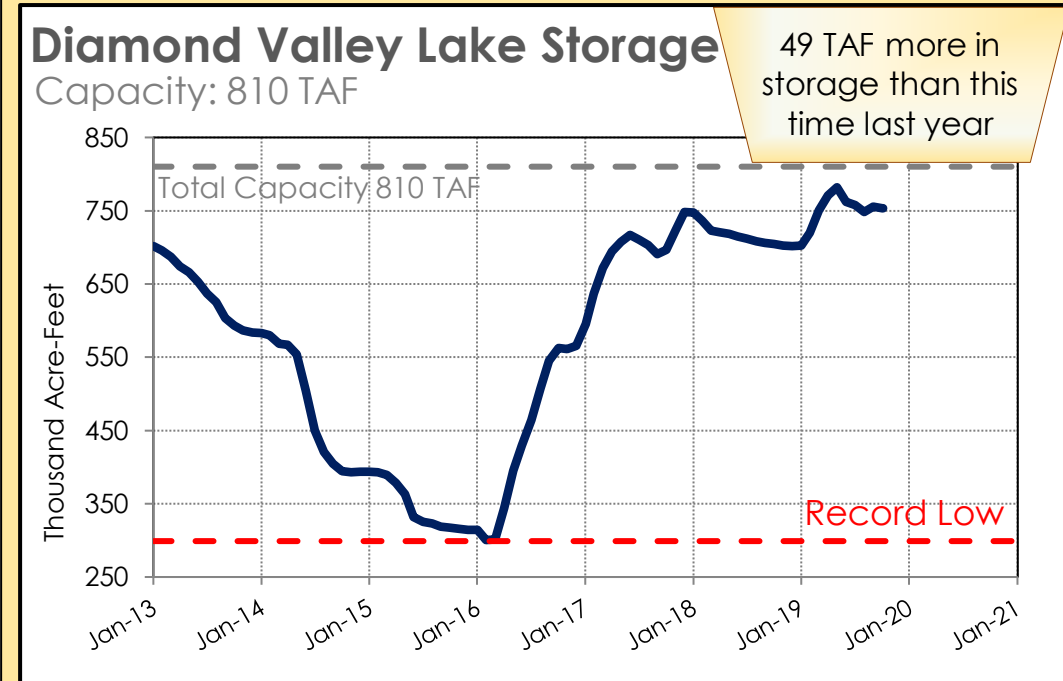
## Powell Unregulated Inflow





### Highlights

- No snow/precipitation recorded at the Sierras stations
- Snow in the Upper Colorado River Basin is at 148% of normal
- Precipitation in the Upper Colorado River Basin is at 66% of normal



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<http://www.mwdh2o.com/WSCR>

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**2019 SWP Allocation**  
1,433,625 AF  
75% of Table A

Statewide **N/A**

**OROVILLE**  
2.03 MAF  
57%  
8 STA: 0.3"  
WY Avg: 8%  
Northern Sierra **N/A**

**SAN LUIS**  
TOT: 926.63 TAF  
SWP: 607 TAF  
45%  
5 STA: 0.0"  
WY Avg: 0%  
Southern Sierra **N/A**

**CATAIC**  
276 TAF  
85%  
LA: 0.0"  
WY Avg: 0%

**DVL**  
753 TAF  
93%  
SD: 0.0"  
WY Avg: 0%

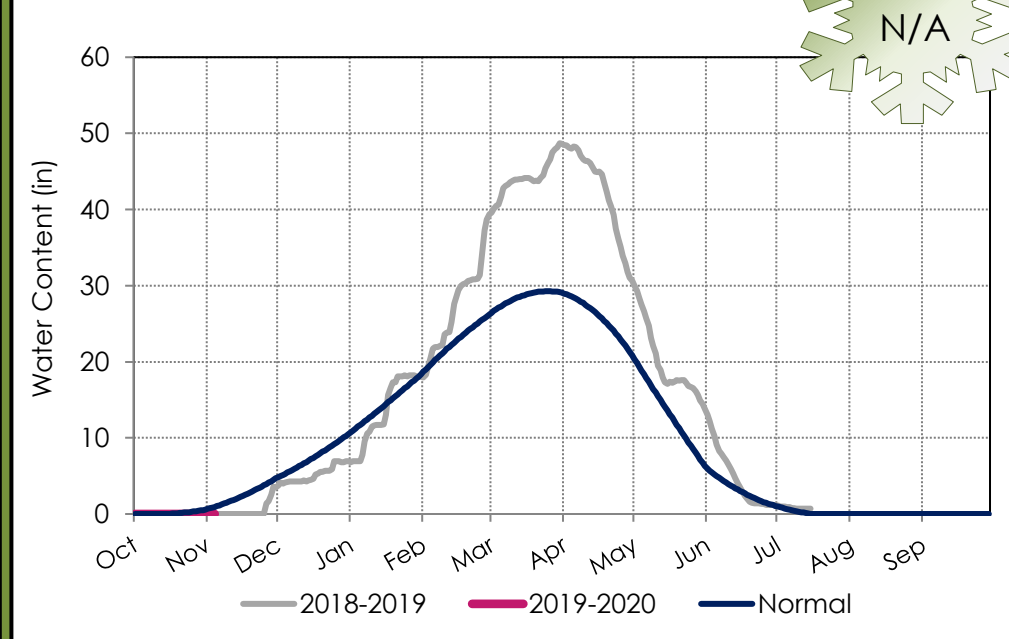
3.5 MAF Capacity  
26.1 MAF Average EOM  
10.24 MAF Current Storage (39% Capacity)

Legend:  
 WY Avg: % Normal WY to Date  
 Capacity: Average EOM  
 Current Storage (% Capacity)

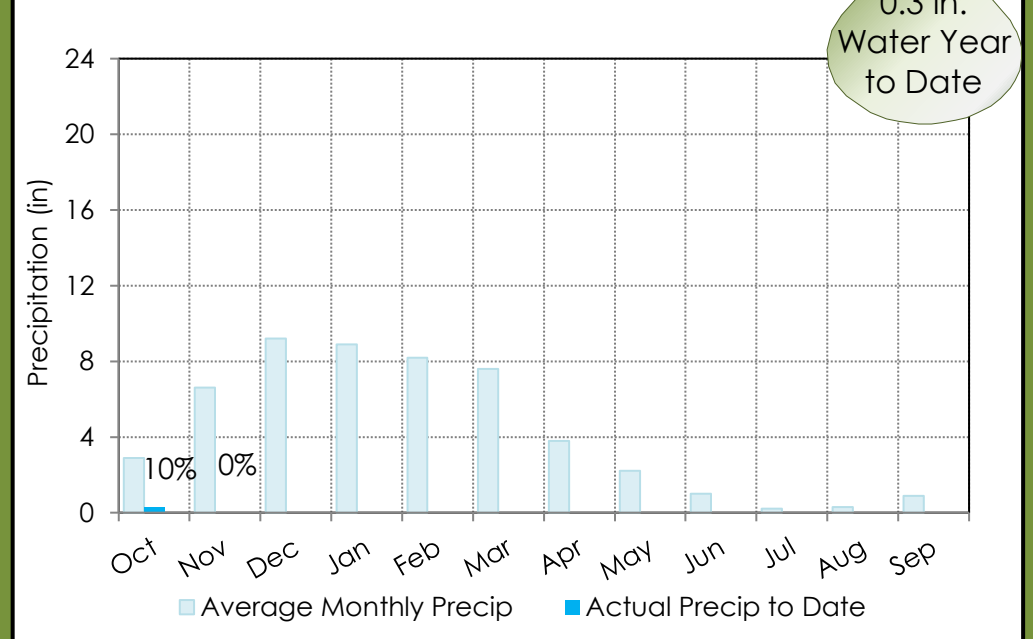
As of: 11/03/2019

# State Water Project Resources

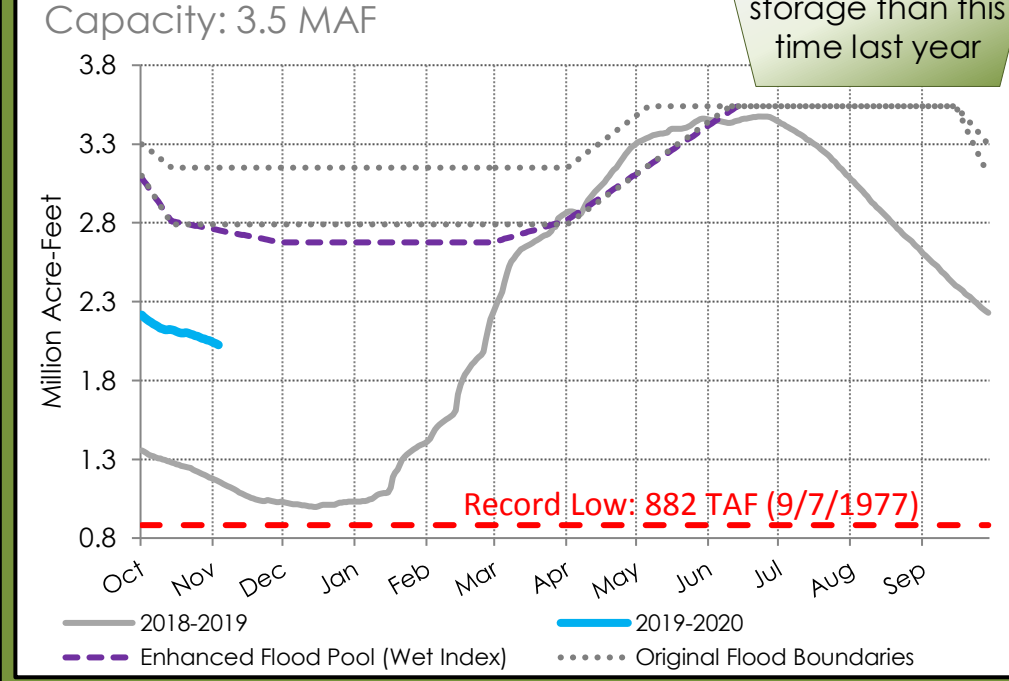
## Northern Sierra Snowpack



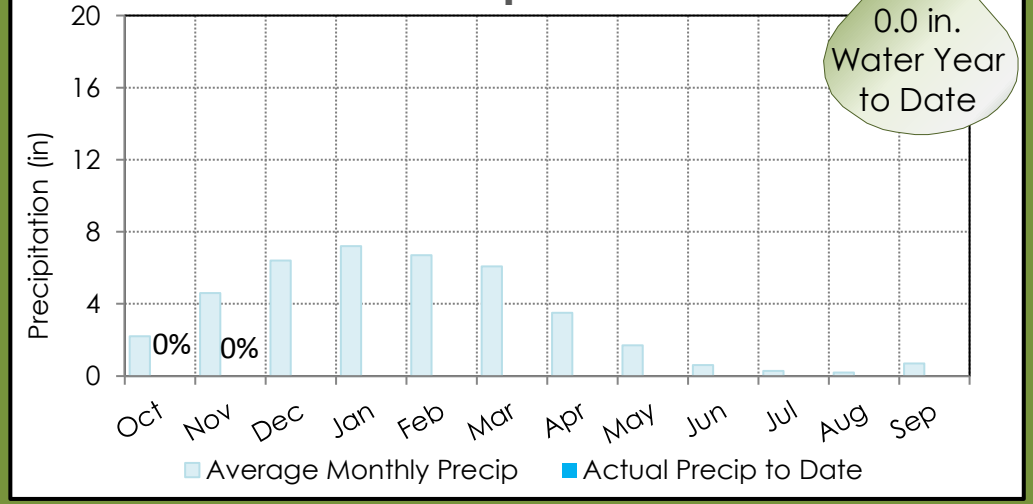
## 8 Station Index Precip



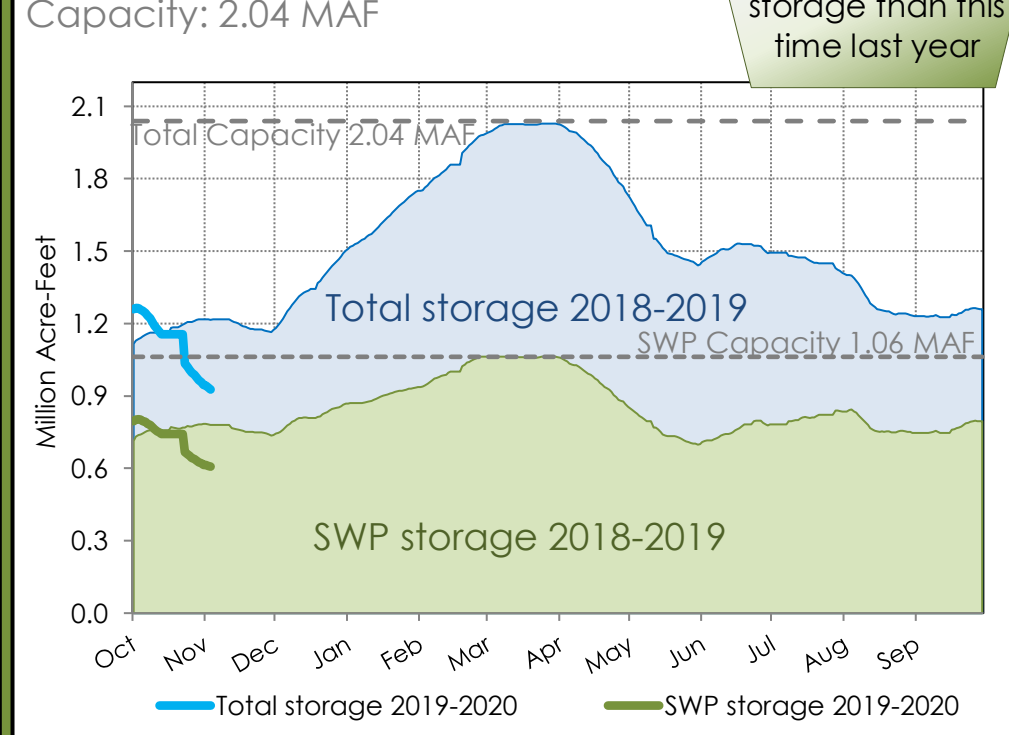
## Oroville Reservoir Storage



## 5 Station Index Precip



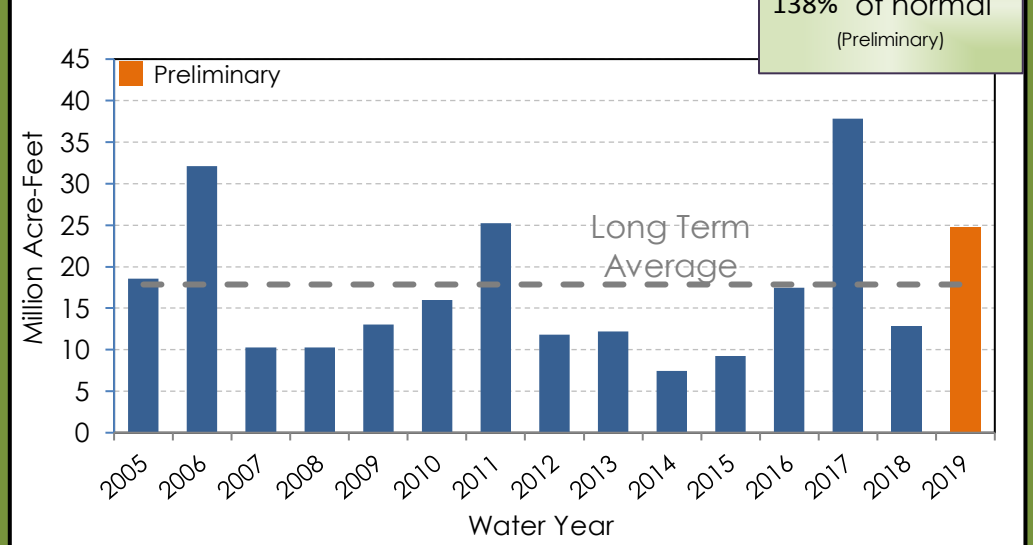
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

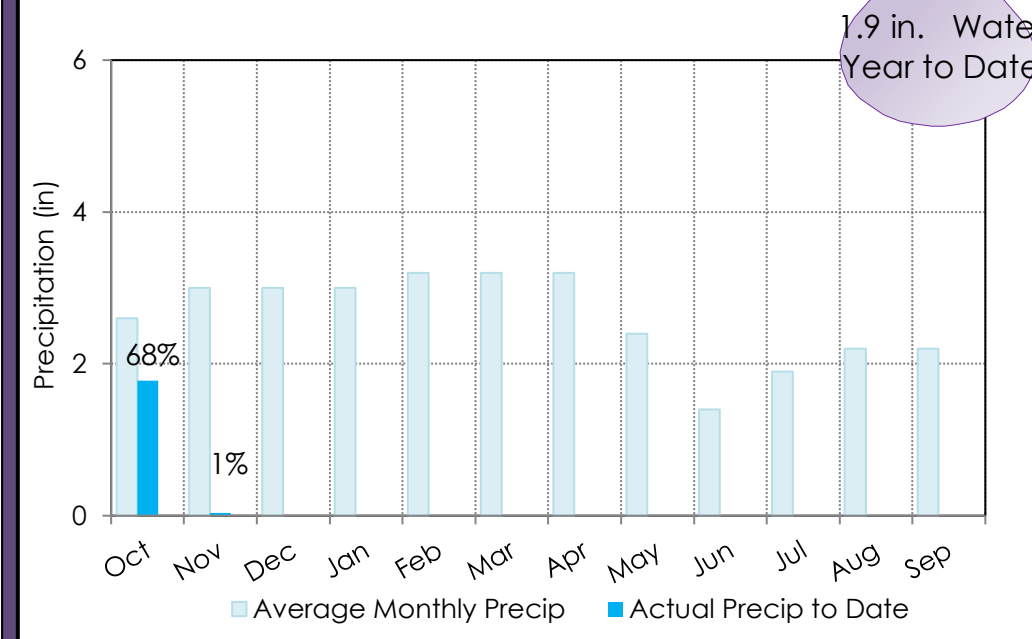
## Sacramento River Runoff



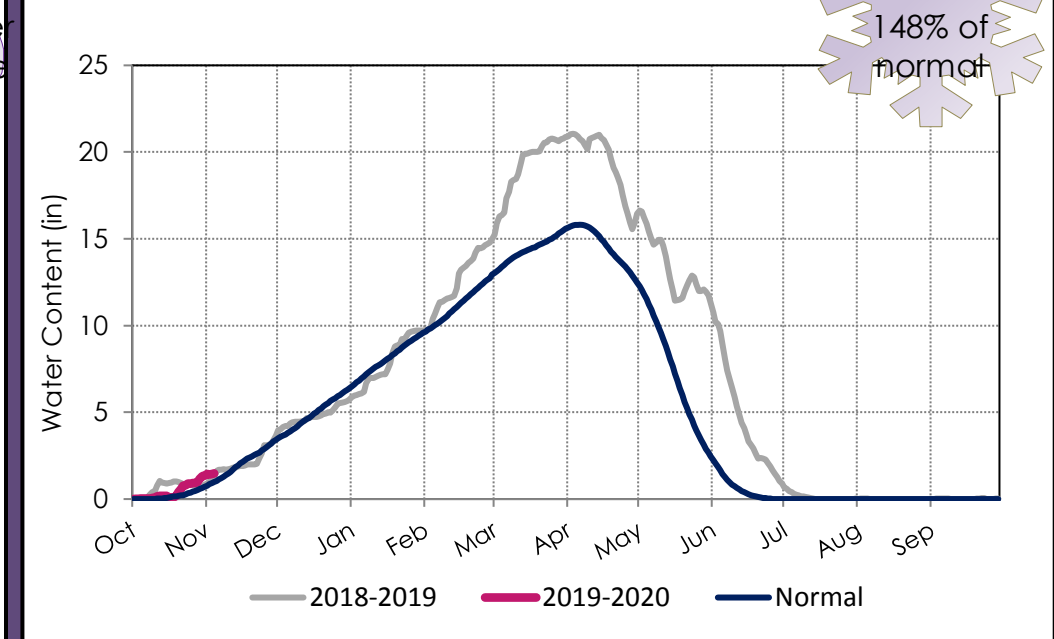
# Colorado River Resources

As of: 11/03/2019

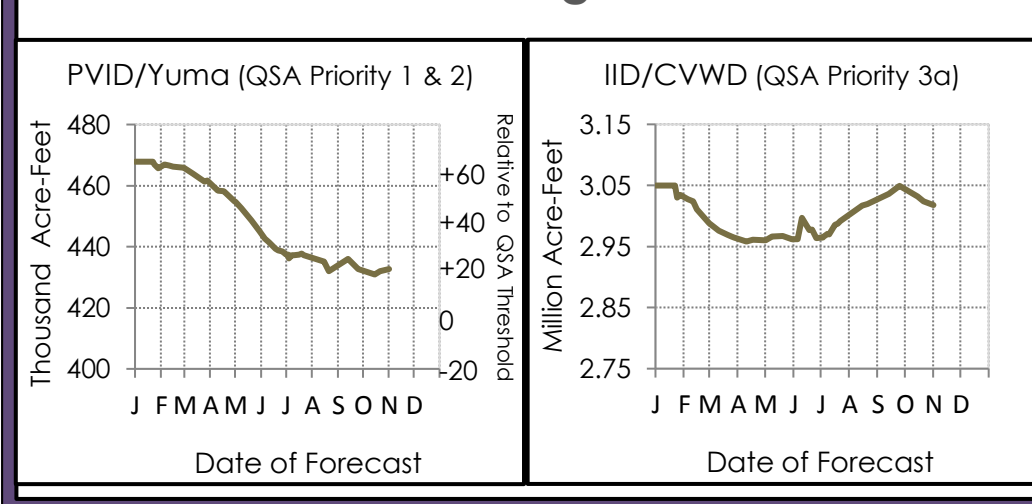
## Upper Colorado Basin Precip



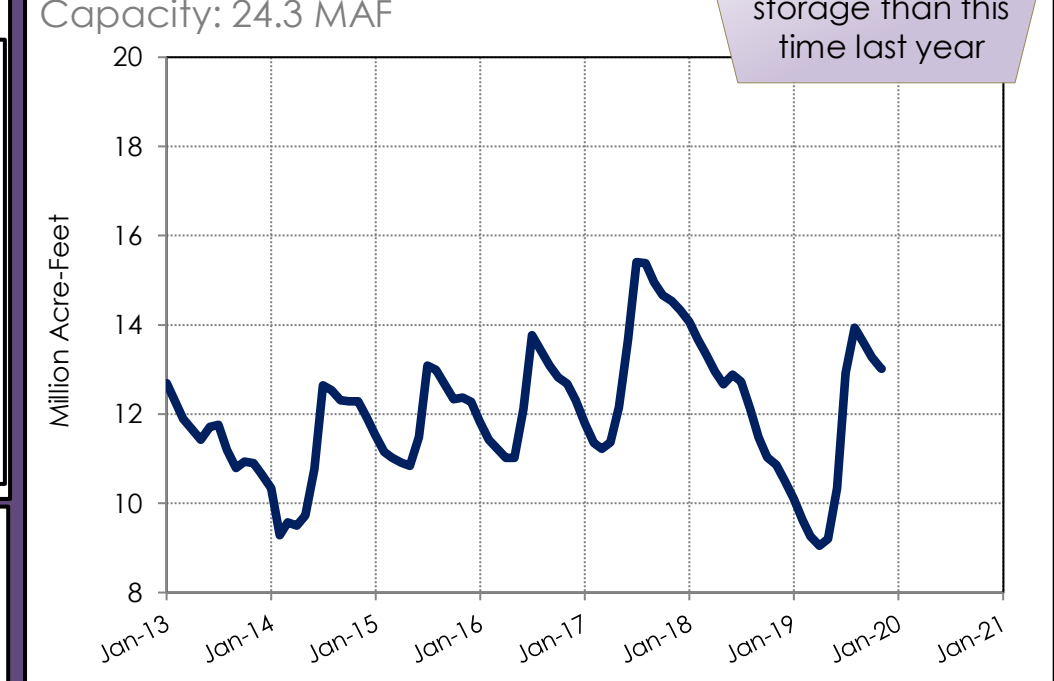
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

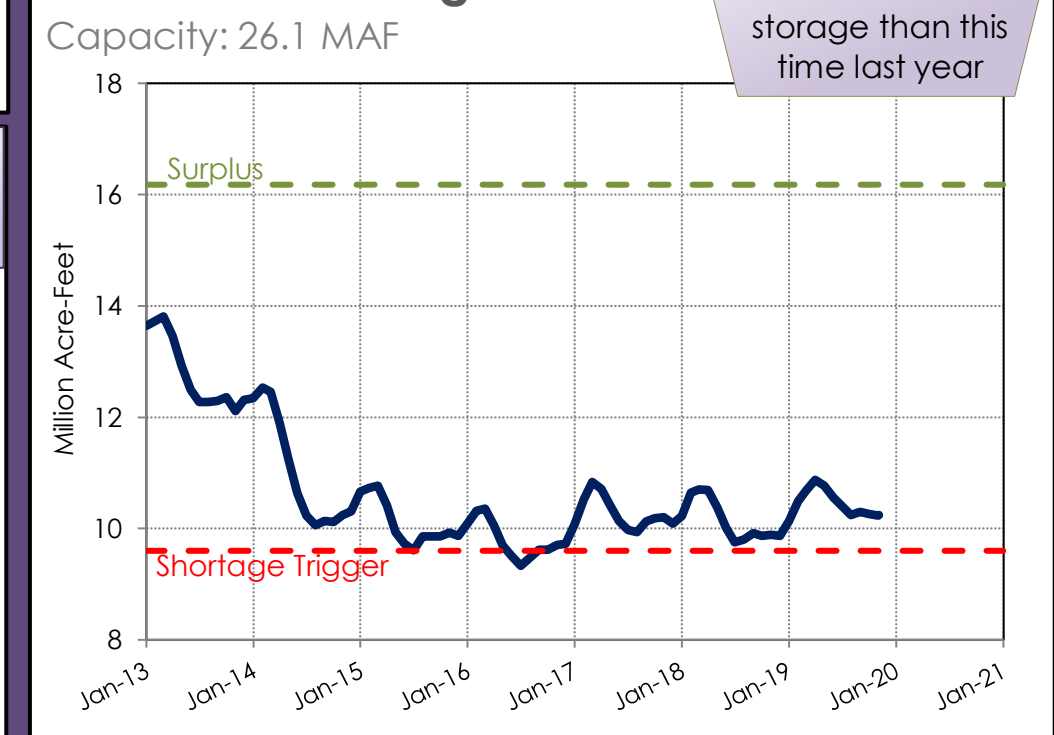


## Lake Mead Shortage/Surplus Outlook

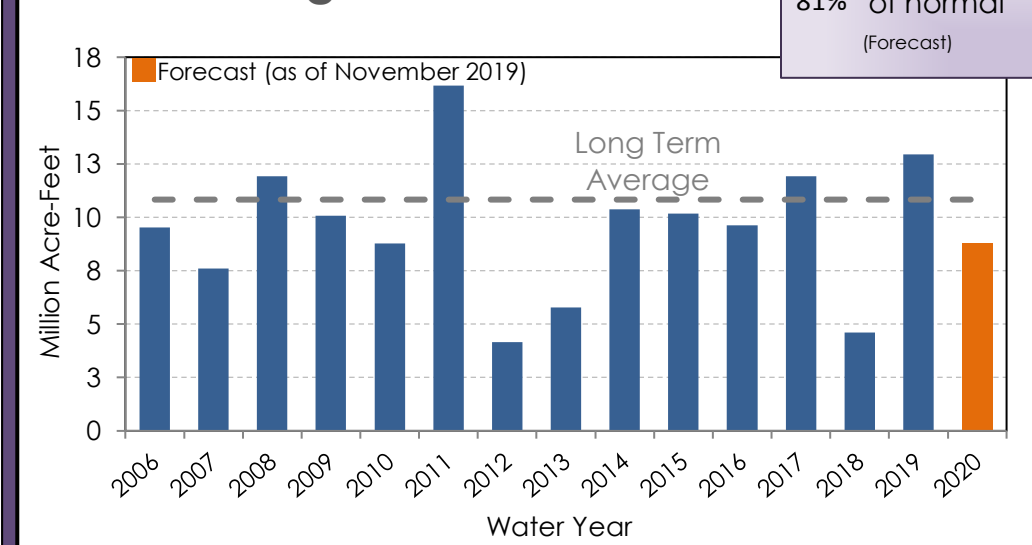
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

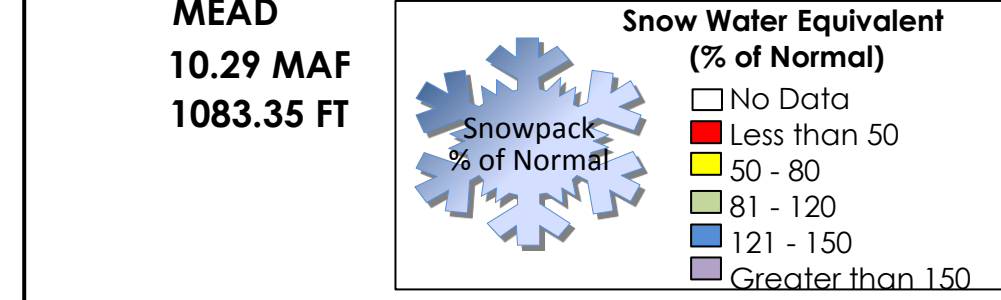
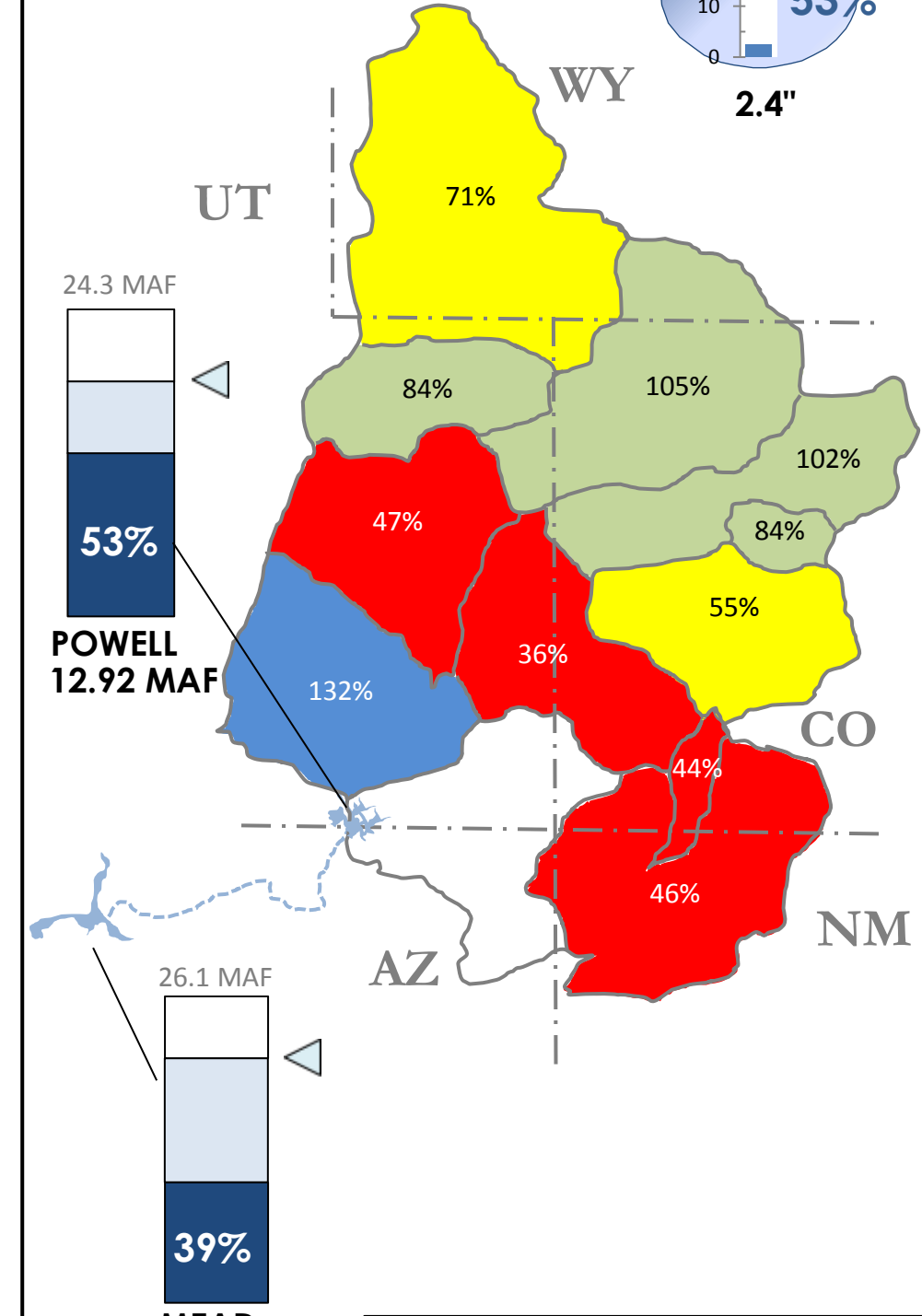
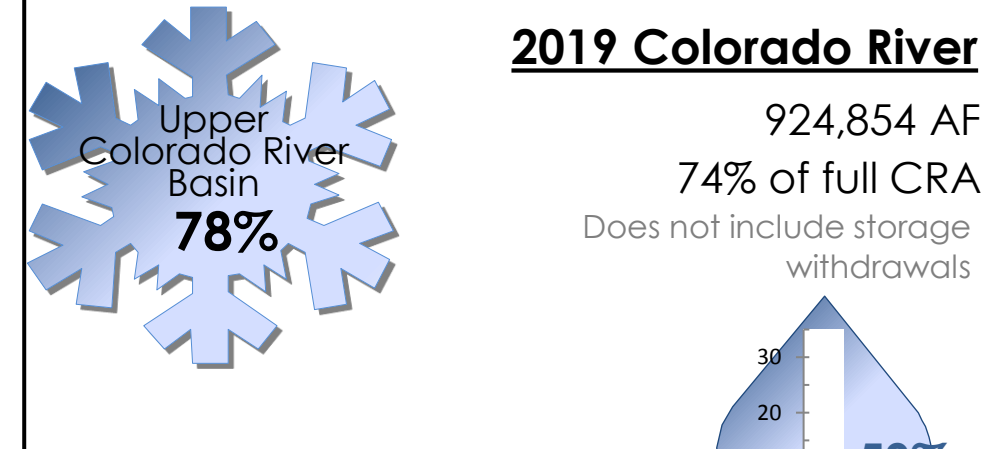
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



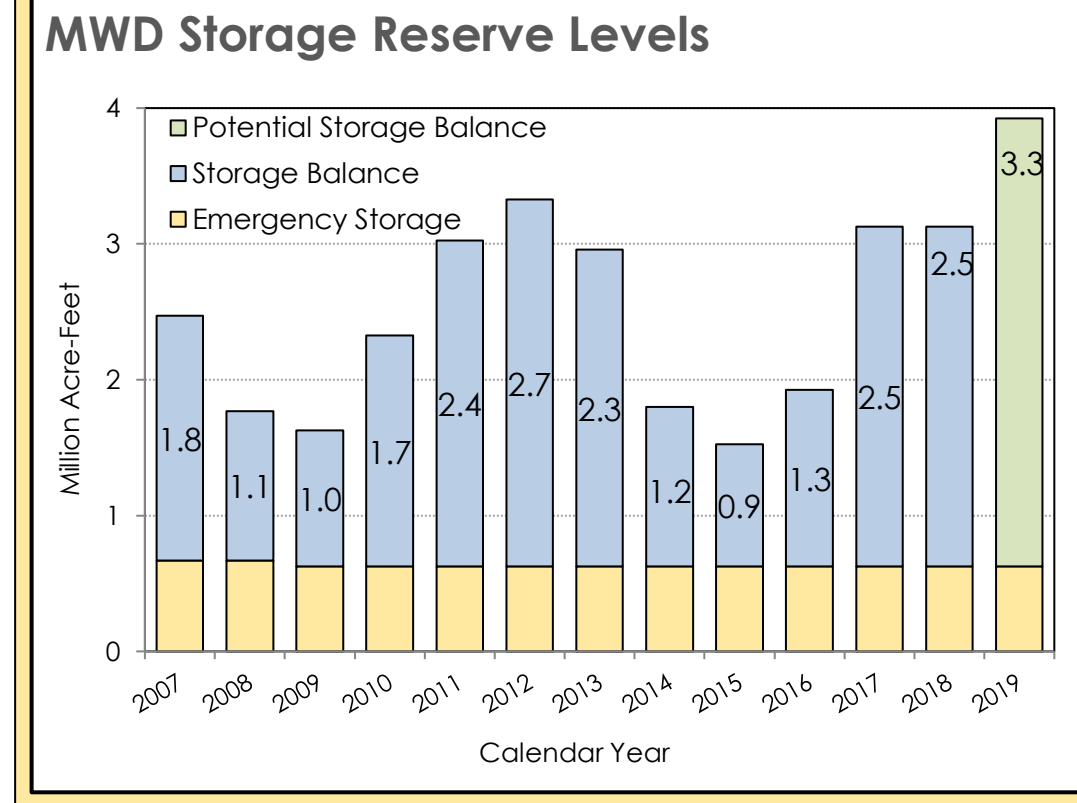
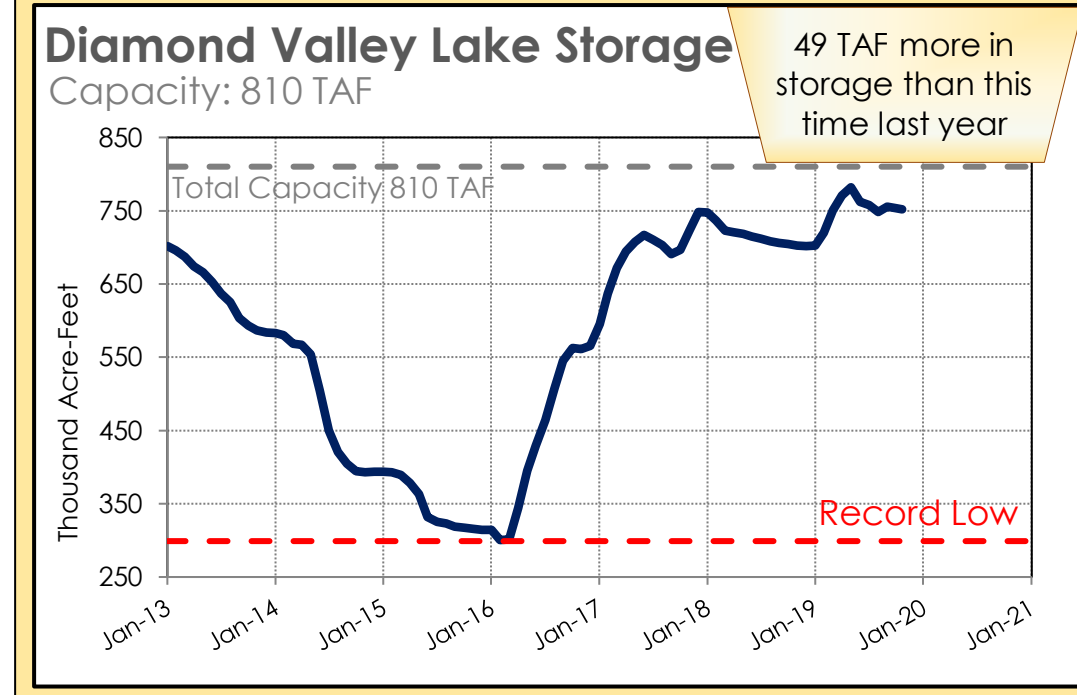
## Powell Unregulated Inflow





**Highlights**

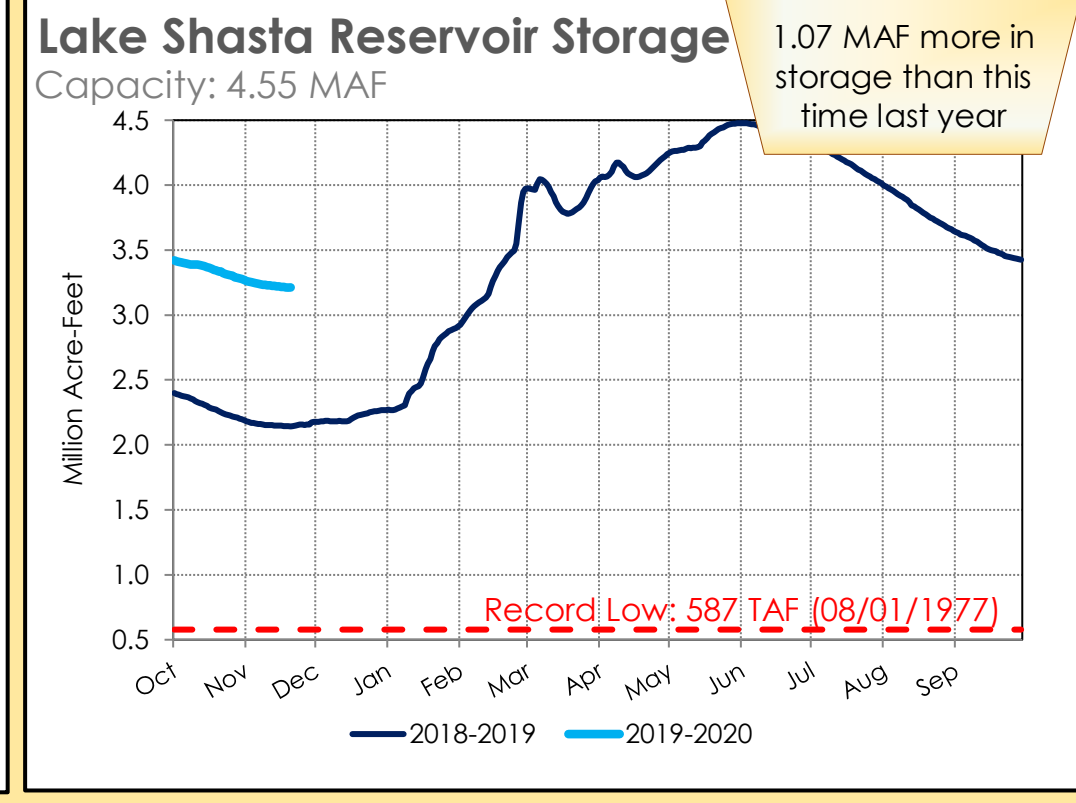
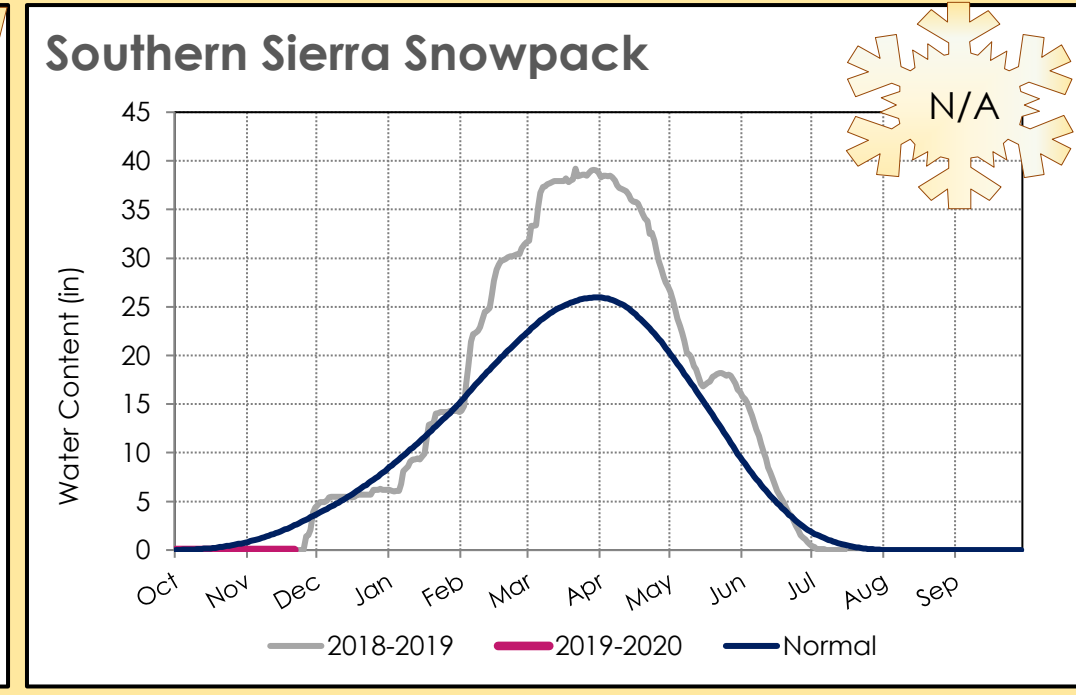
- No snow/precipitation recorded at the Sierras stations
- Snow in the Upper Colorado River Basin is at 78% of normal
- Precipitation in the Upper Colorado River Basin is at 53% of normal



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<http://www.mwdh2o.com/WSCR>

This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters



**2019 SWP Allocation**  
1,433,625 AF  
75% of Table A

Statewide **N/A**

**OROVILLE**  
1.94 MAF  
55%  
8 STA: 0.3"  
WY Avg: 4%

**Northern Sierra**  
N/A

**SAN LUIS**  
TOT: 850.45 TAF  
SWP: 588 TAF  
42%  
5 STA: 0.0"  
WY Avg: 0%

**Southern Sierra**  
N/A

**LA**  
0.6"  
WY Avg: 61%

**SD**  
0.6"  
WY Avg: 55%

**CASTAIC**  
259 TAF  
80%  
325 TAF

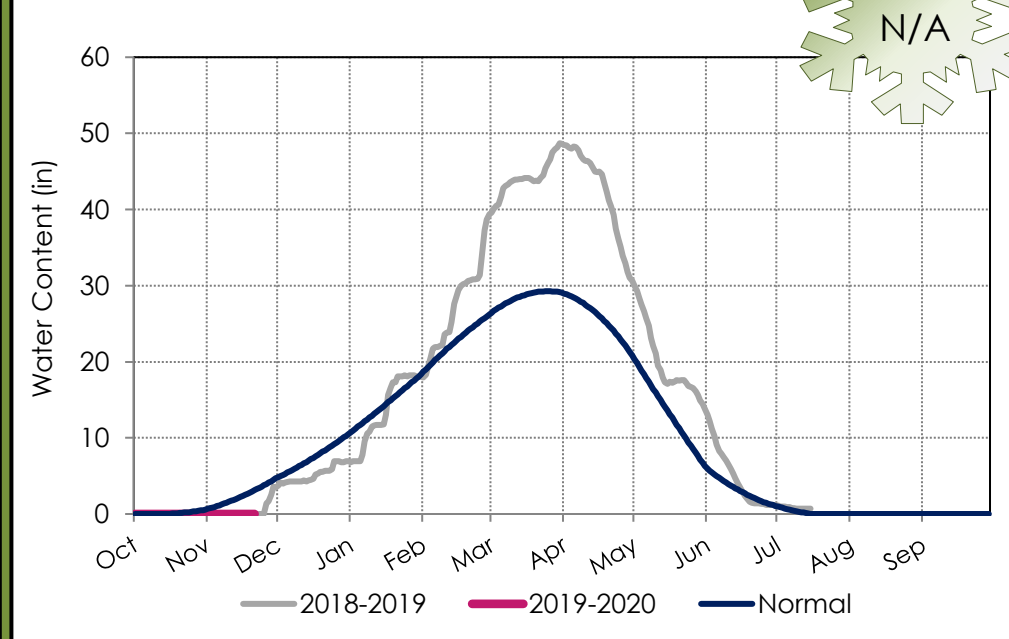
**DVL**  
752 TAF  
93%  
810 TAF

Legend:  
 - WY Avg (Rainfall to Date in)  
 - % Normal WY to Date  
 - Capacity (Average EOM)  
 - Current Storage (% Capacity)

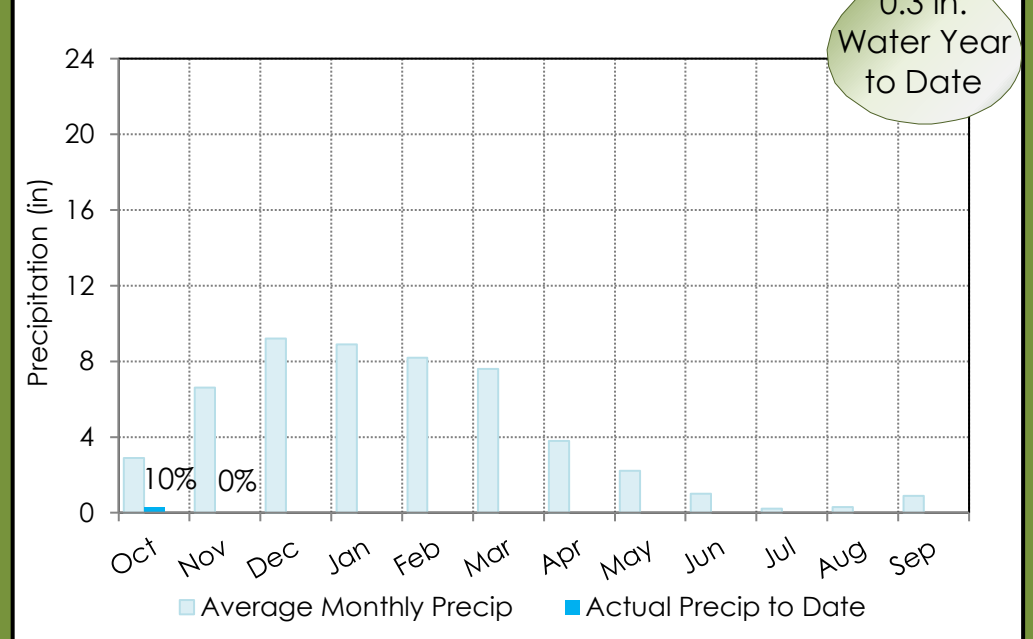
As of: 11/20/2019

# State Water Project Resources

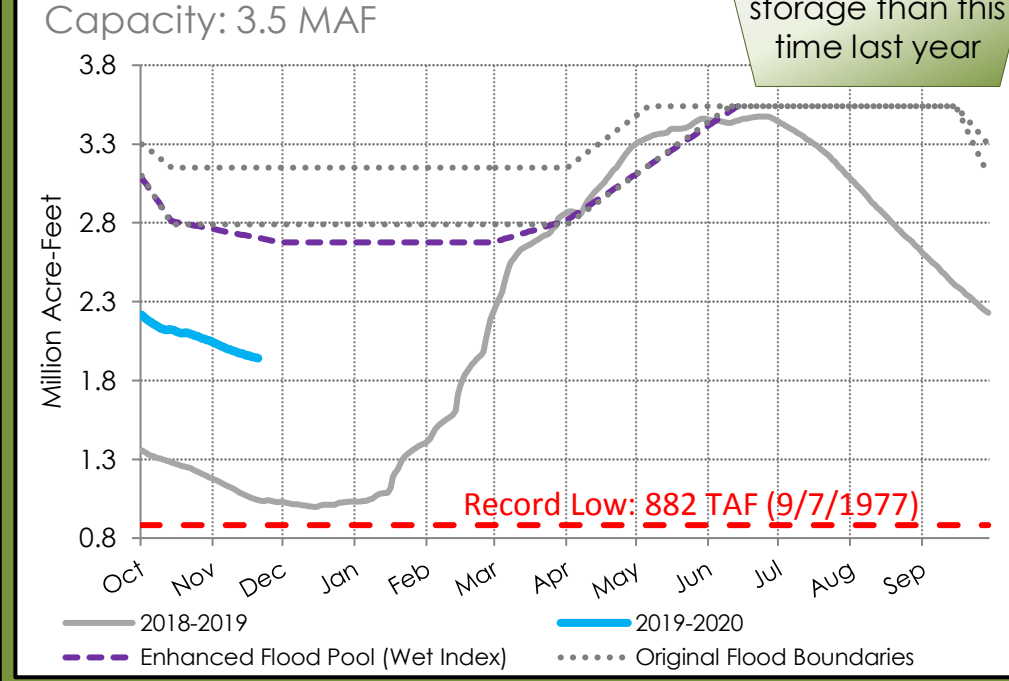
## Northern Sierra Snowpack



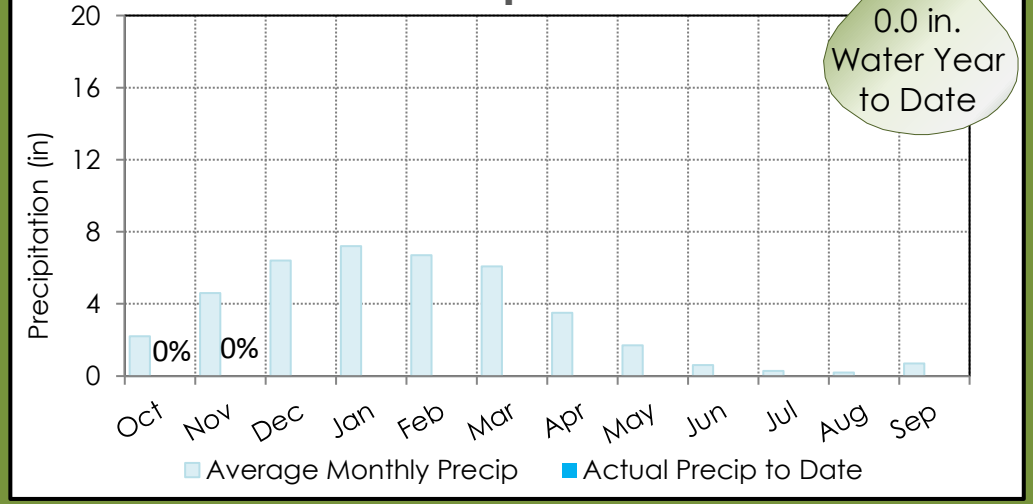
## 8 Station Index Precip



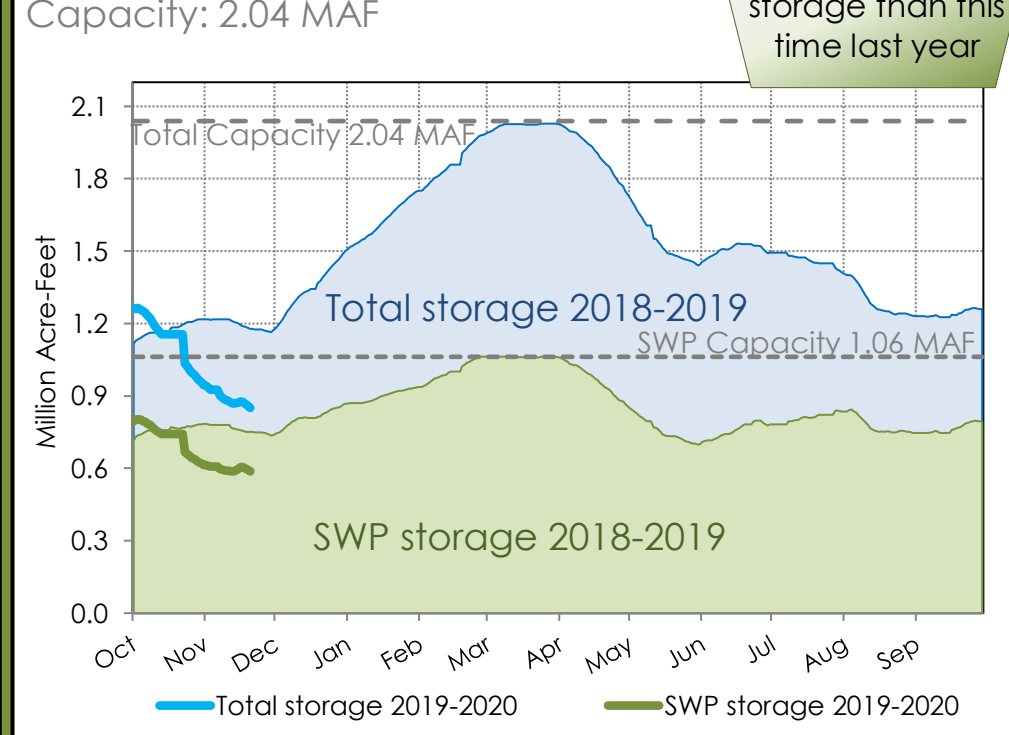
## Oroville Reservoir Storage



## 5 Station Index Precip



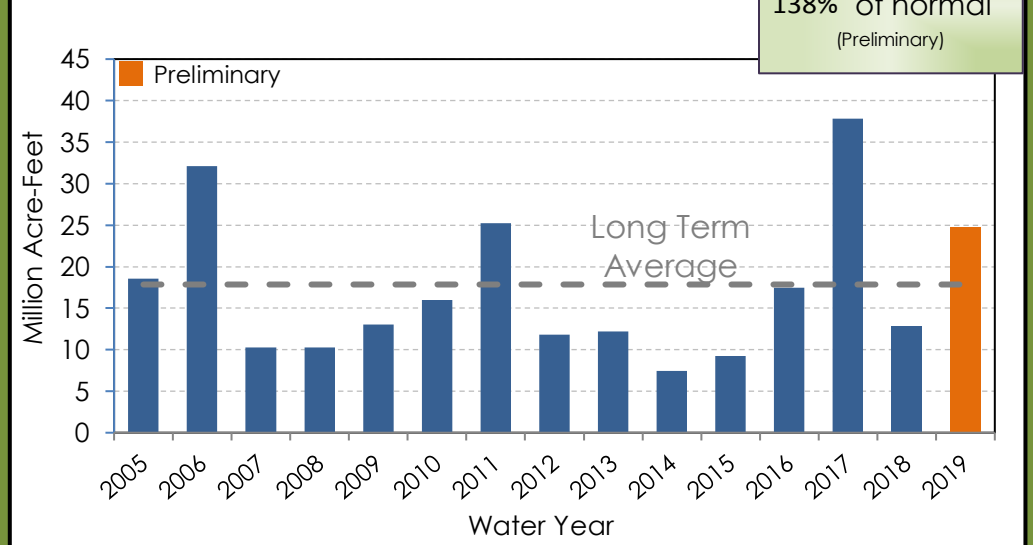
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

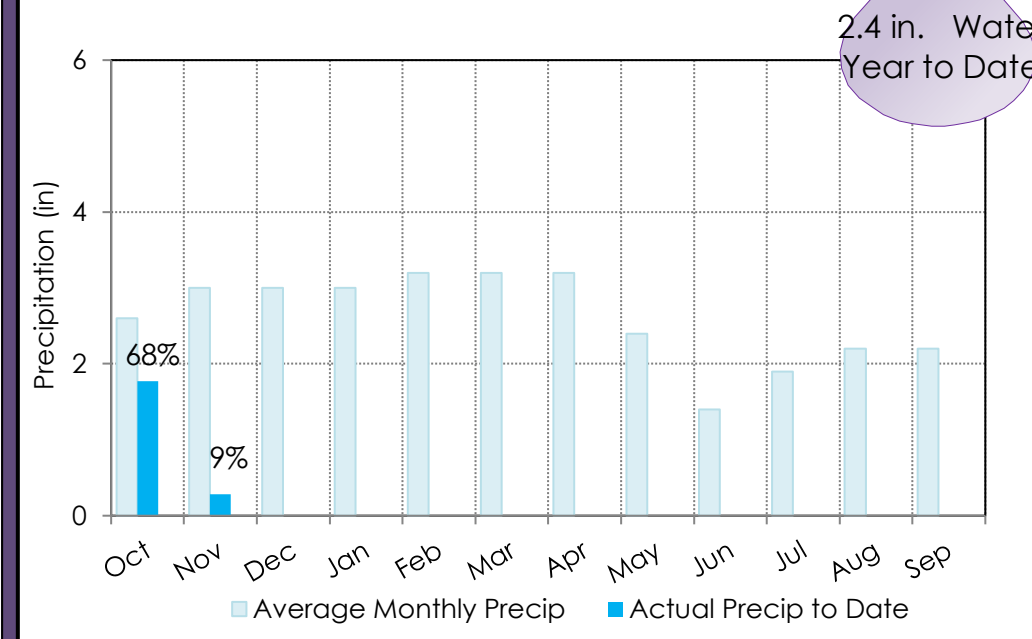
## Sacramento River Runoff



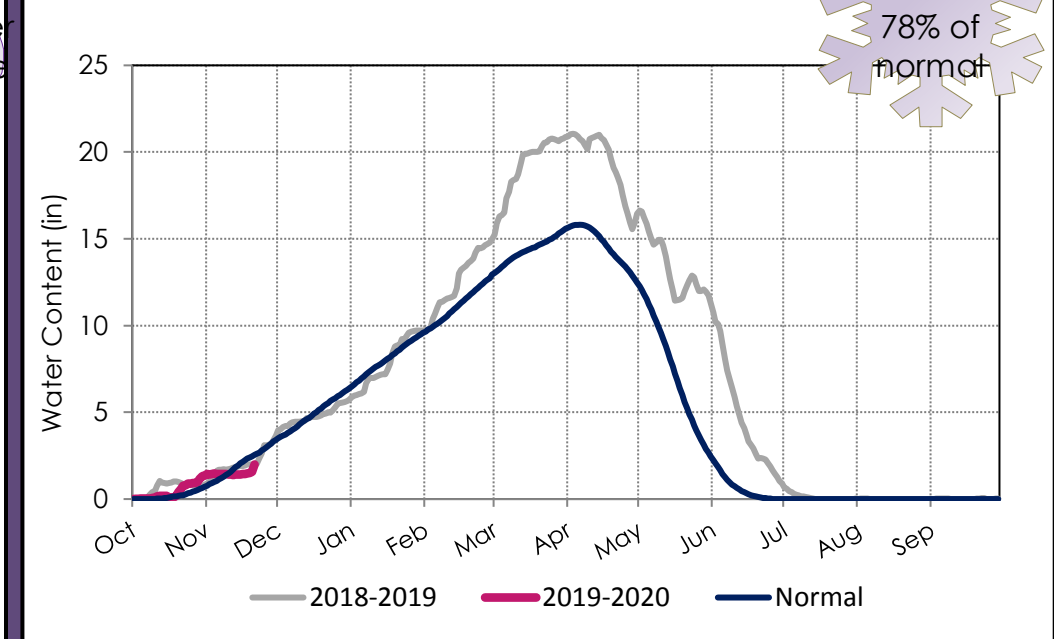
# Colorado River Resources

As of: 11/20/2019

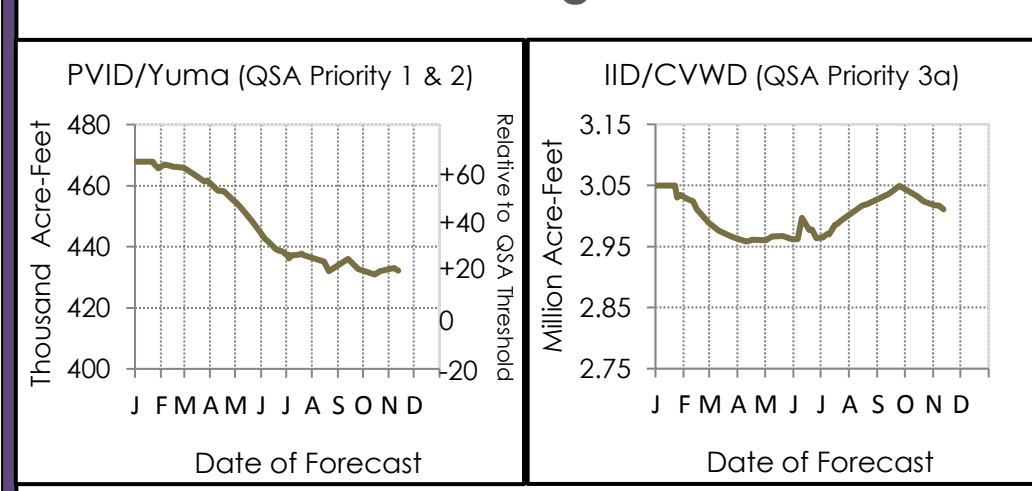
## Upper Colorado Basin Precip



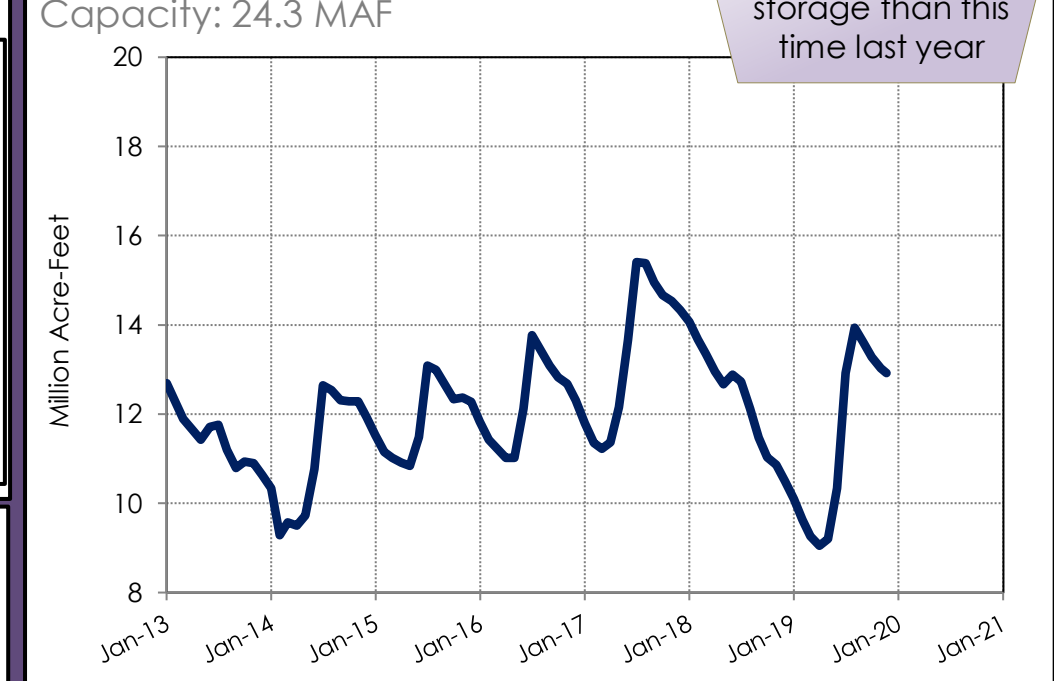
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

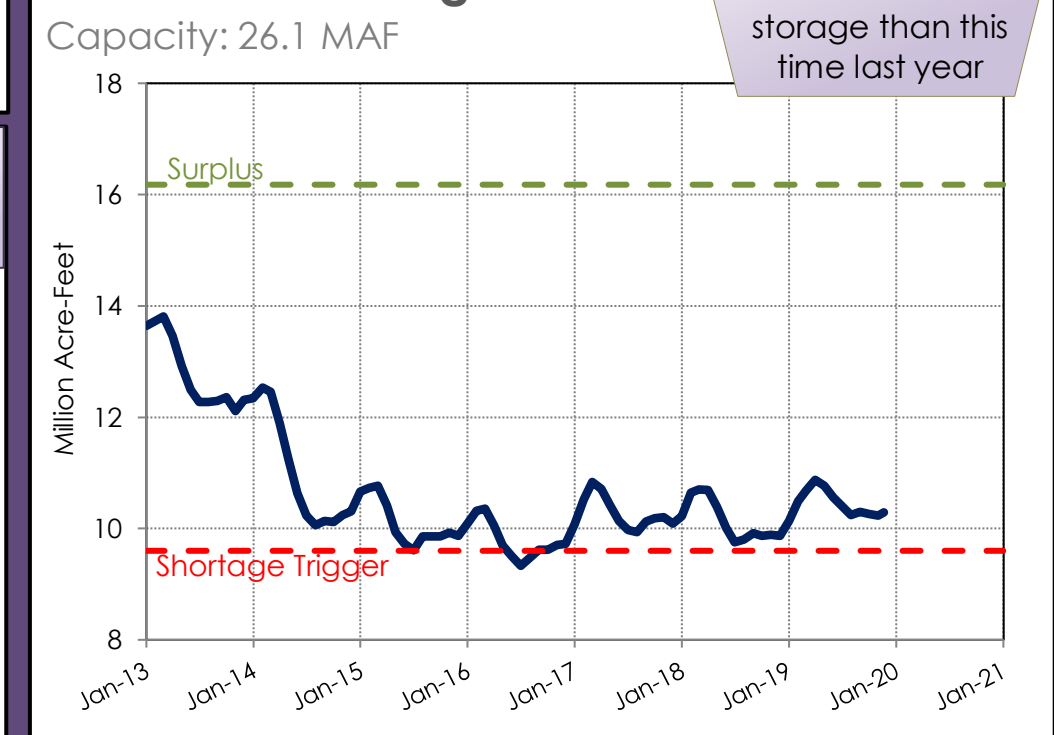


## Lake Mead Shortage/Surplus Outlook

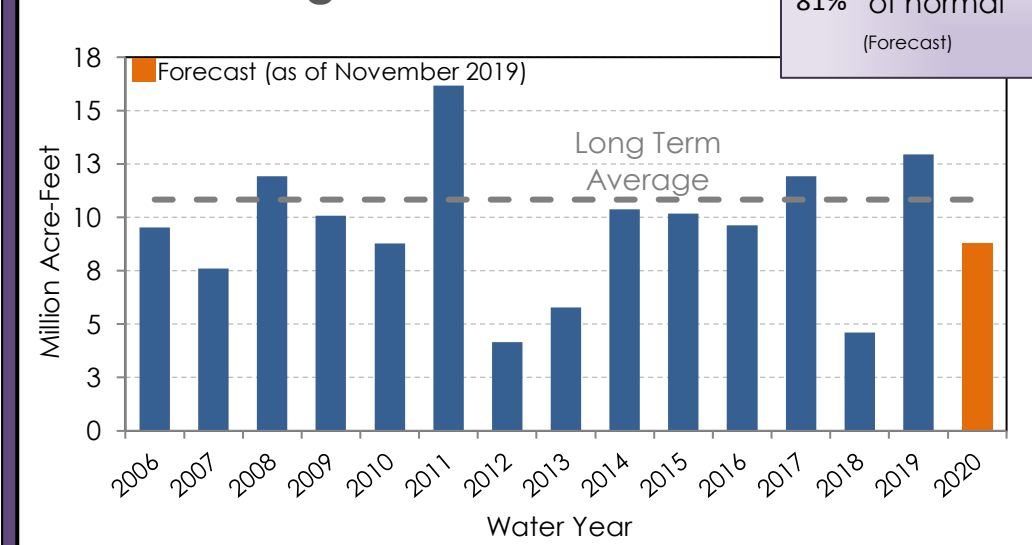
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

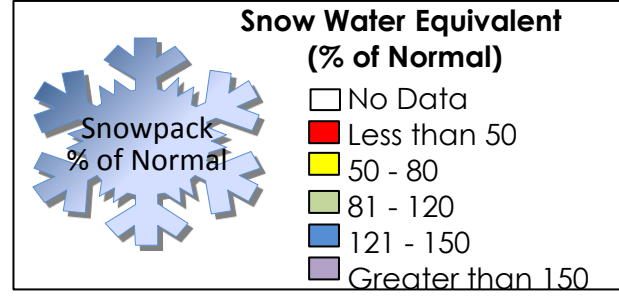
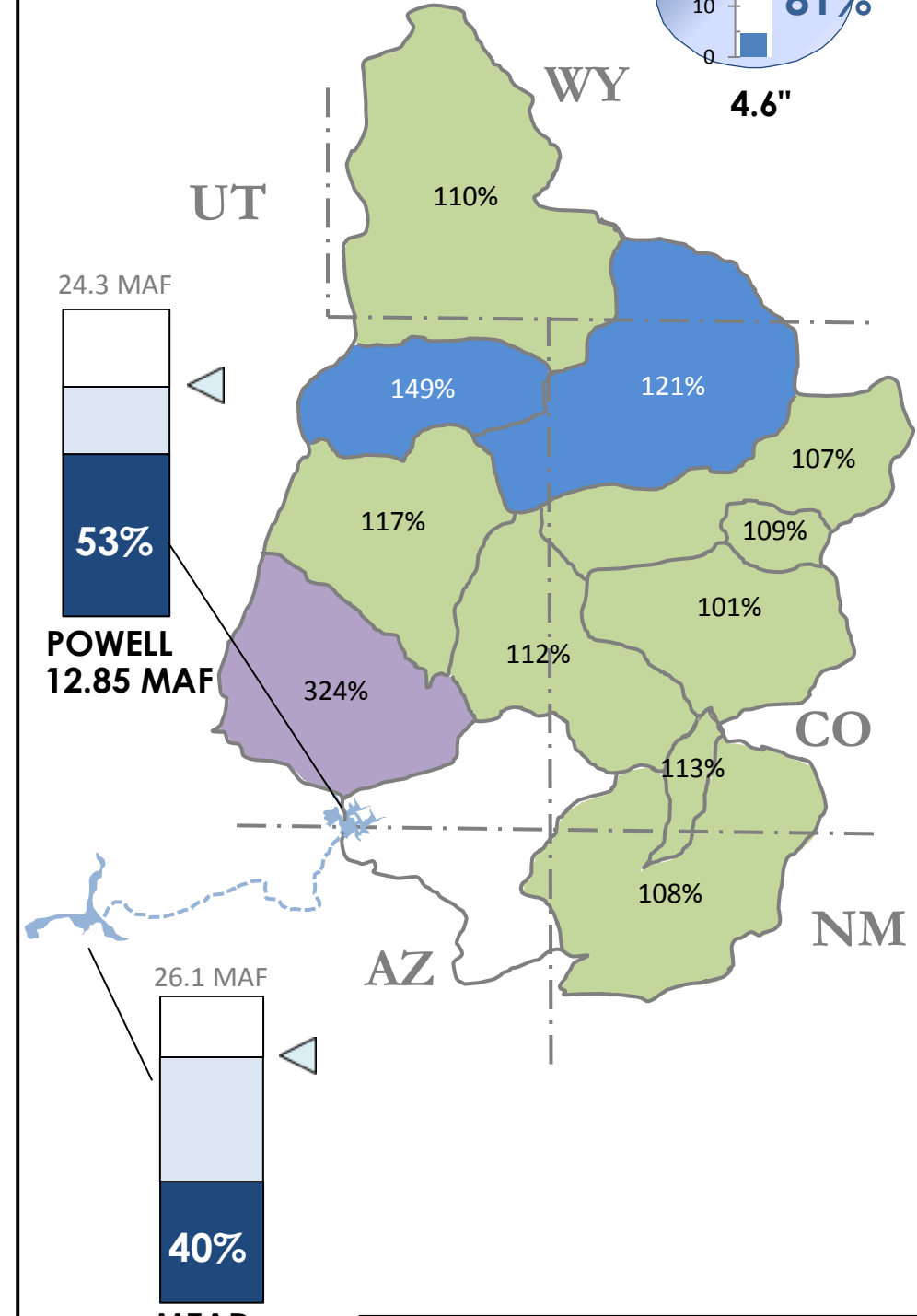
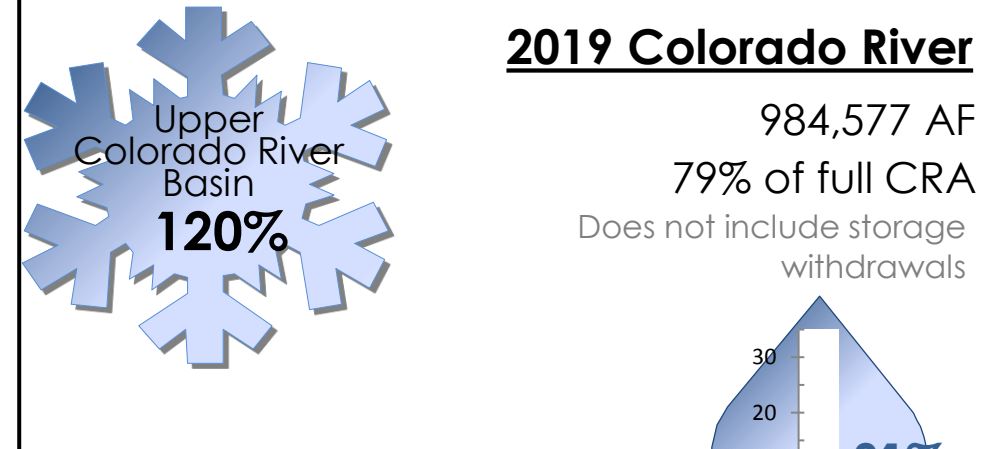
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



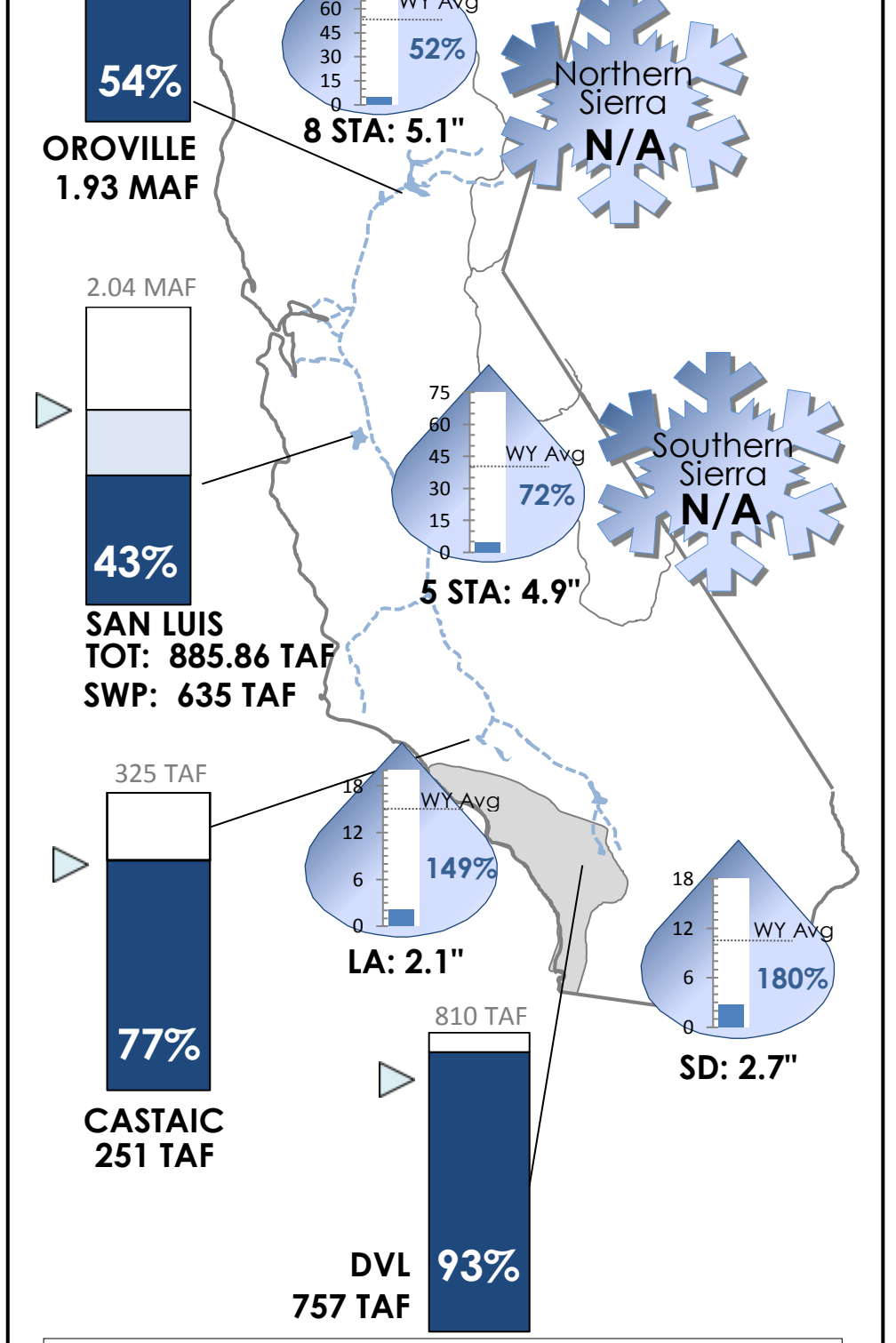
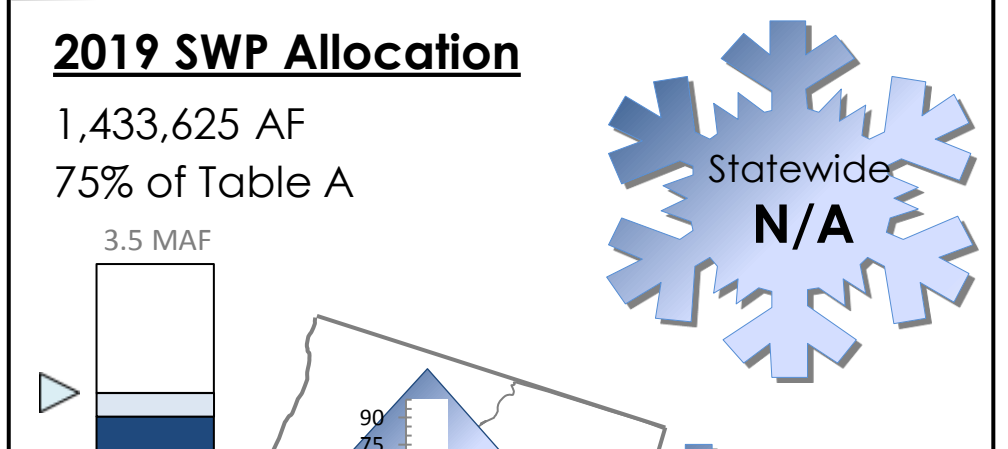
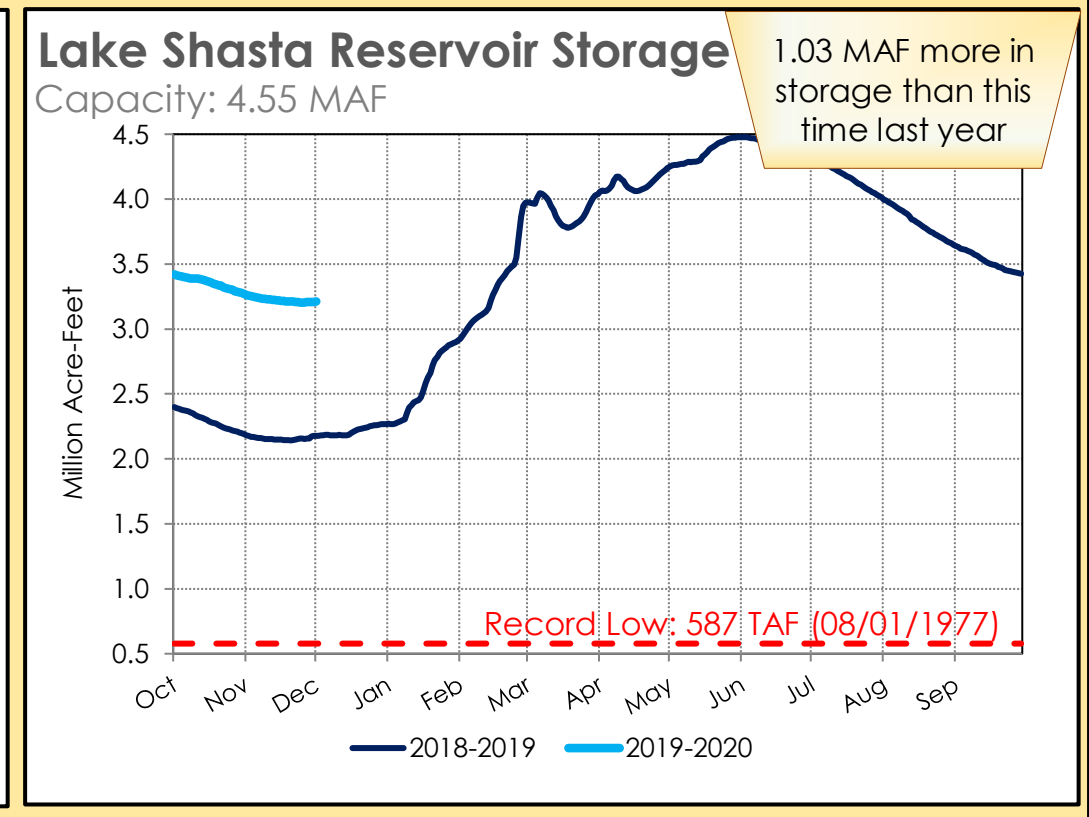
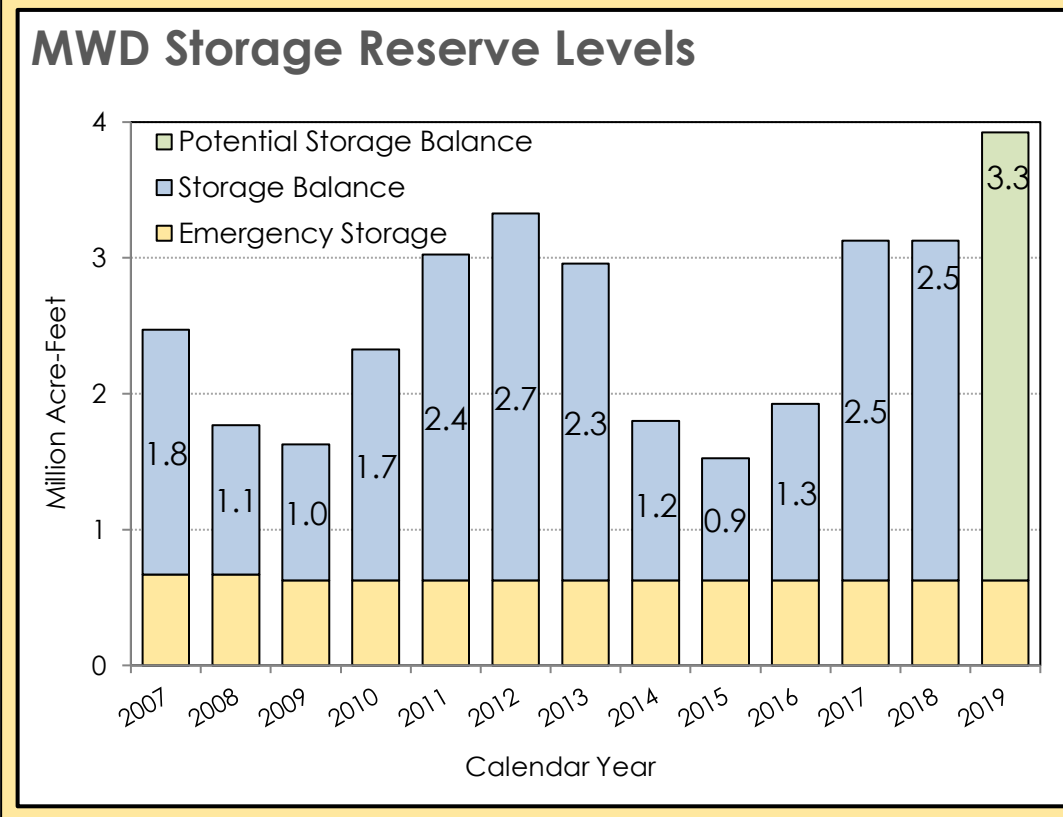
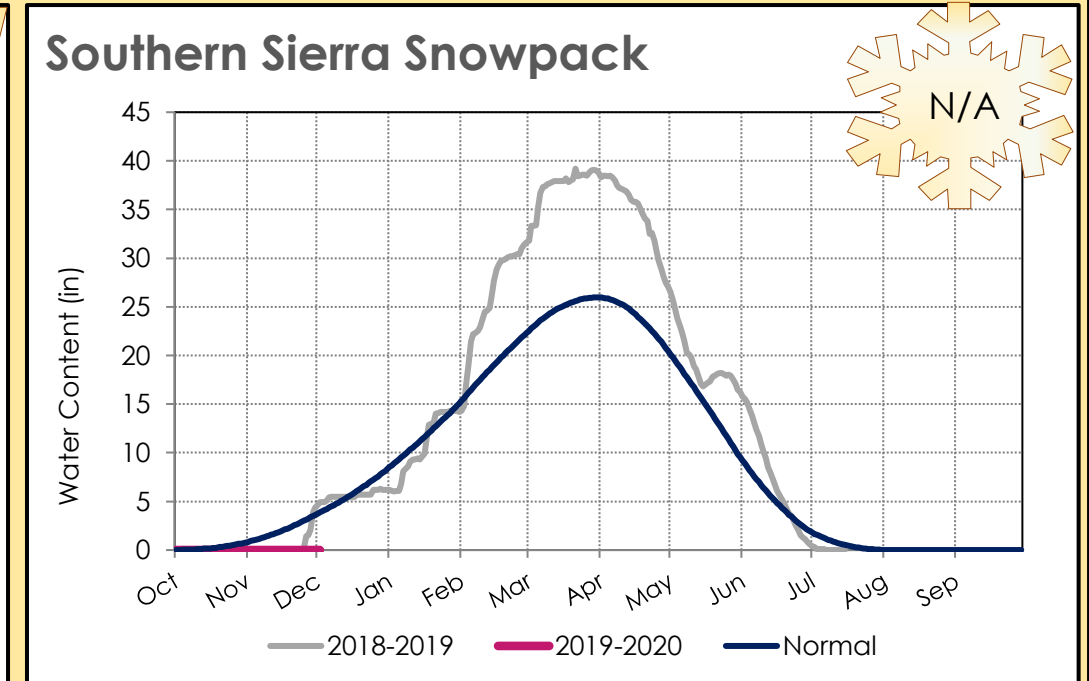
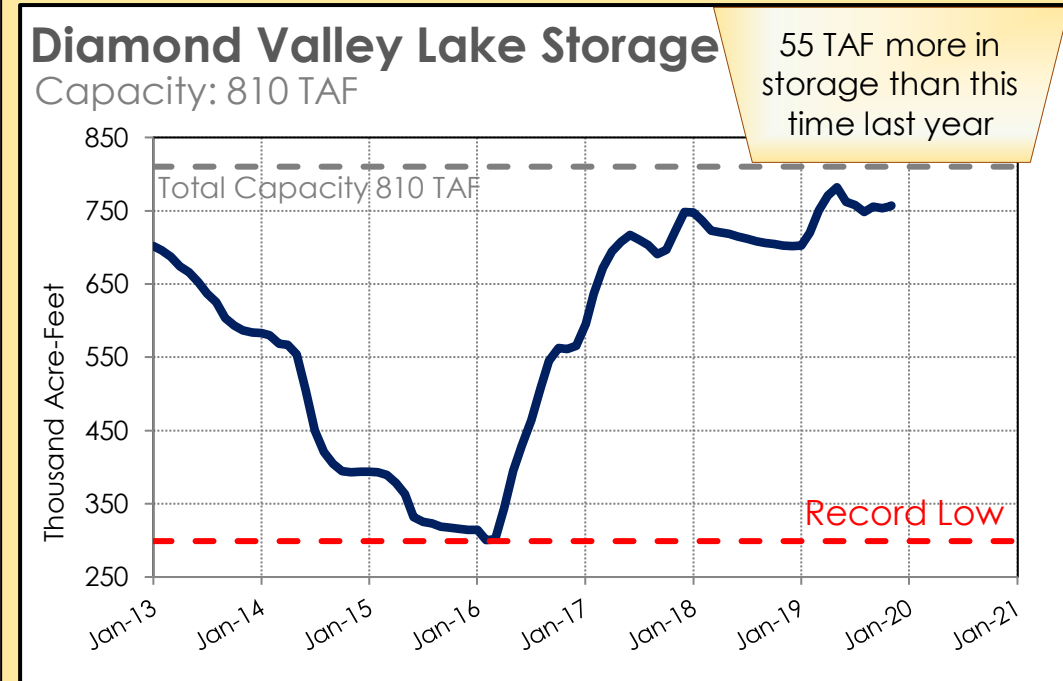
## Powell Unregulated Inflow





**Highlights**

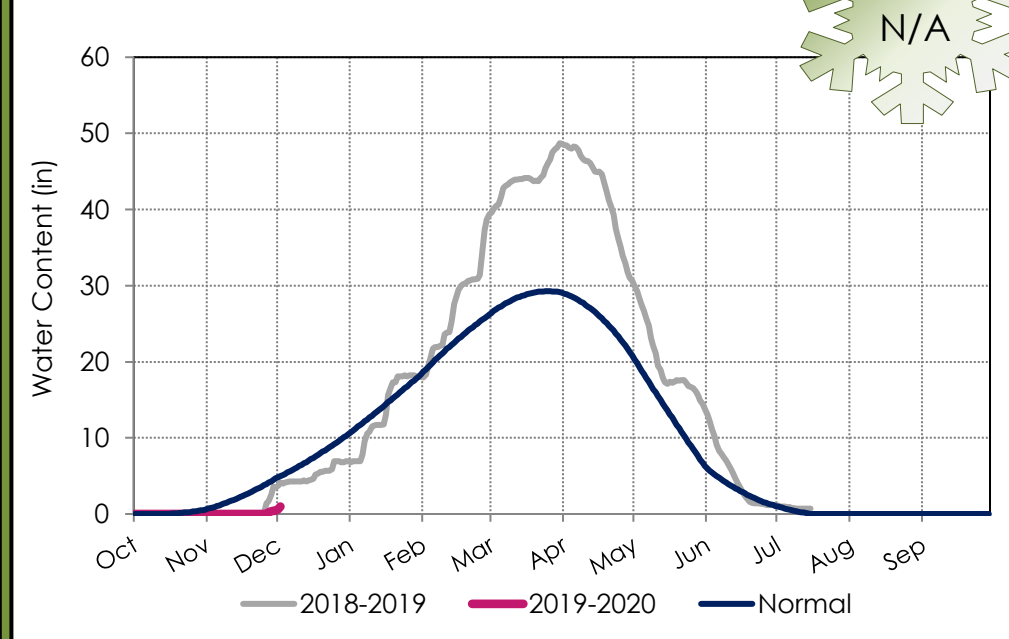
- Precipitation at the 8-Station is at 52% of normal
- No snow reported in the Sierra stations
- Snow in the Upper Colorado River Basin is at 120% of normal
- Precipitation in the Upper Colorado River Basin is at 81% of normal



As of: 12/01/2019

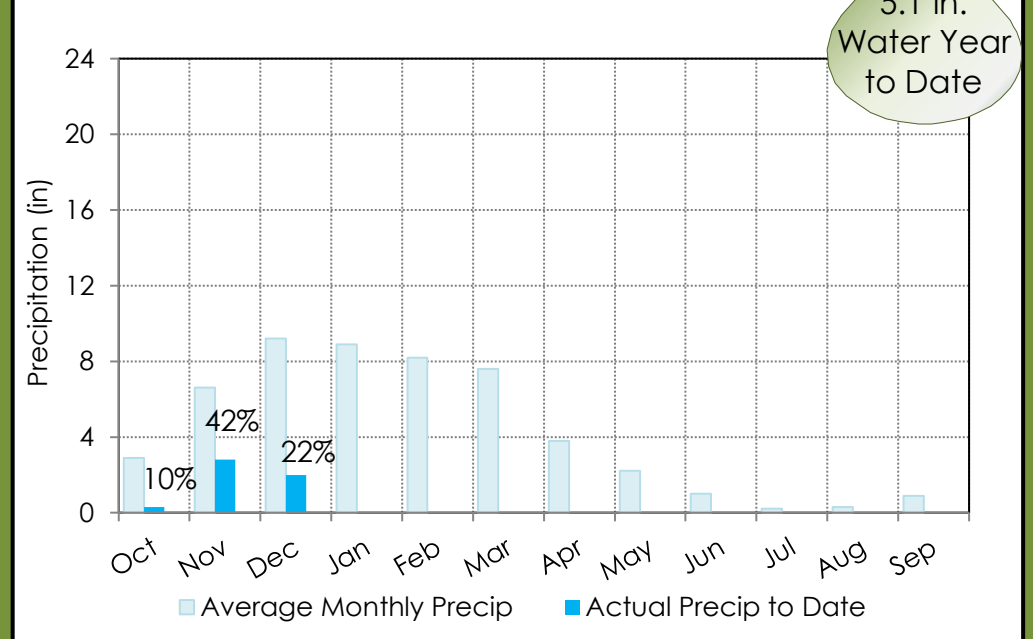
# State Water Project Resources

## Northern Sierra Snowpack



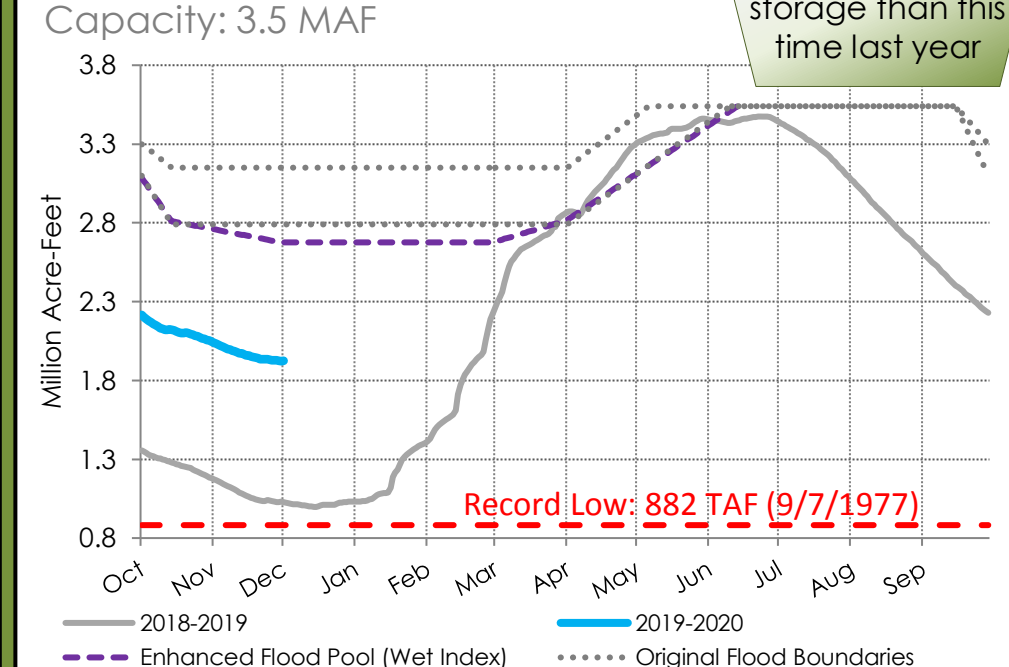
N/A

## 8 Station Index Precip



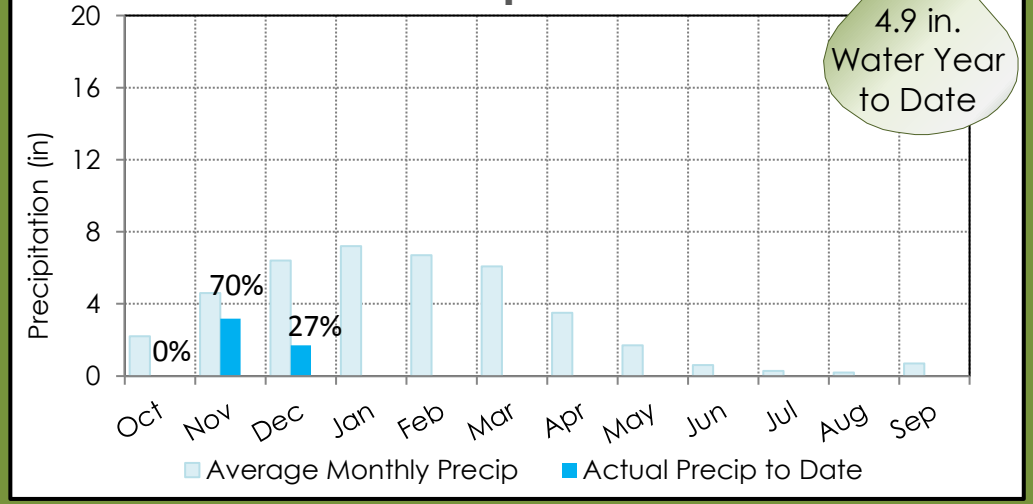
5.1 in. Water Year to Date

## Oroville Reservoir Storage



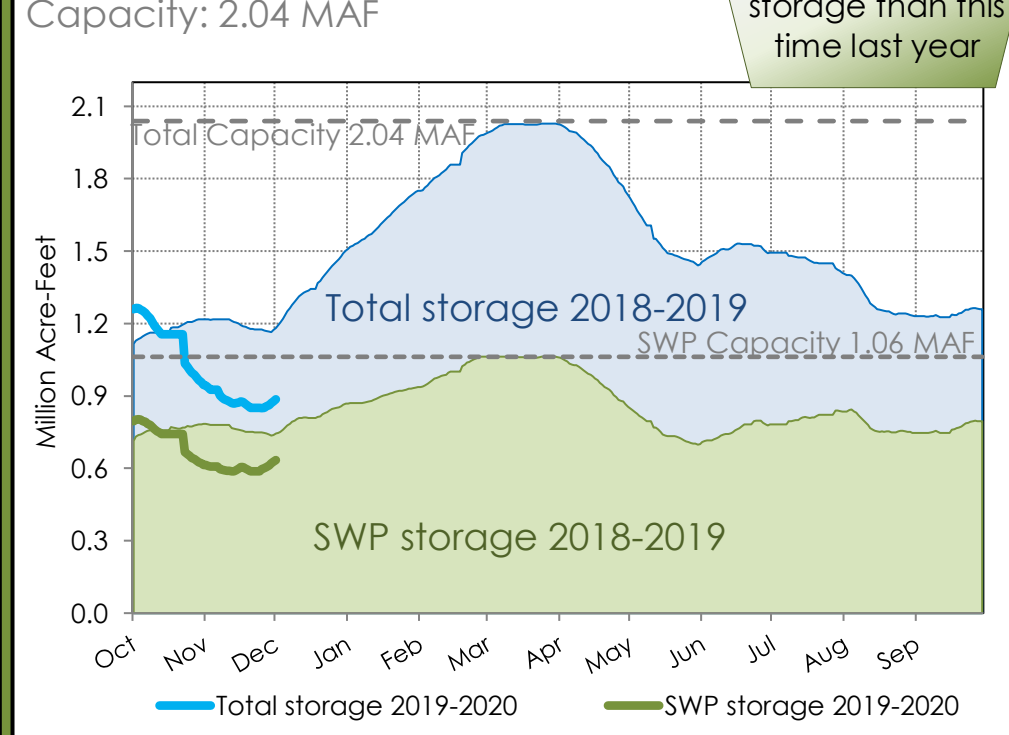
897 TAF more in storage than this time last year

## 5 Station Index Precip



4.9 in. Water Year to Date

## San Luis Reservoir Storage

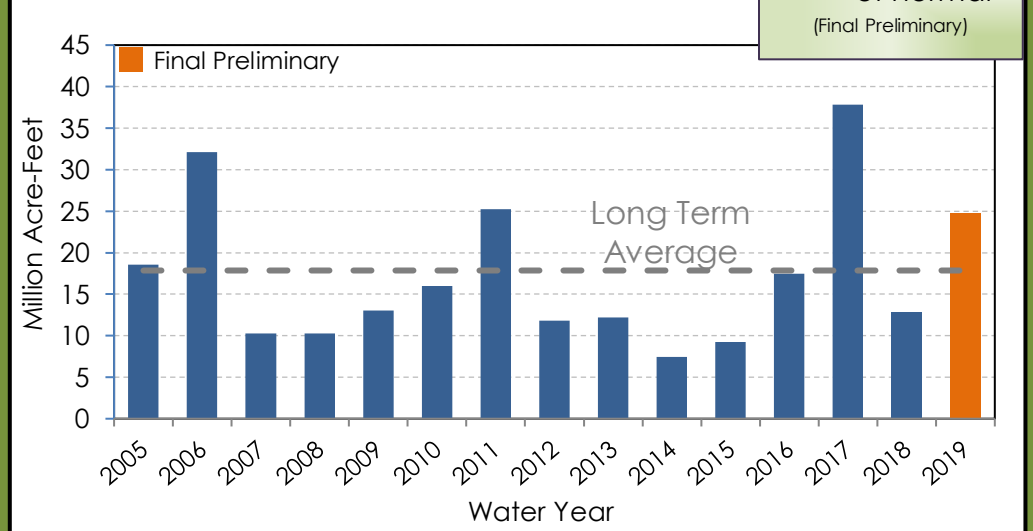


109 TAF less in SWP storage than this time last year

## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

## Sacramento River Runoff

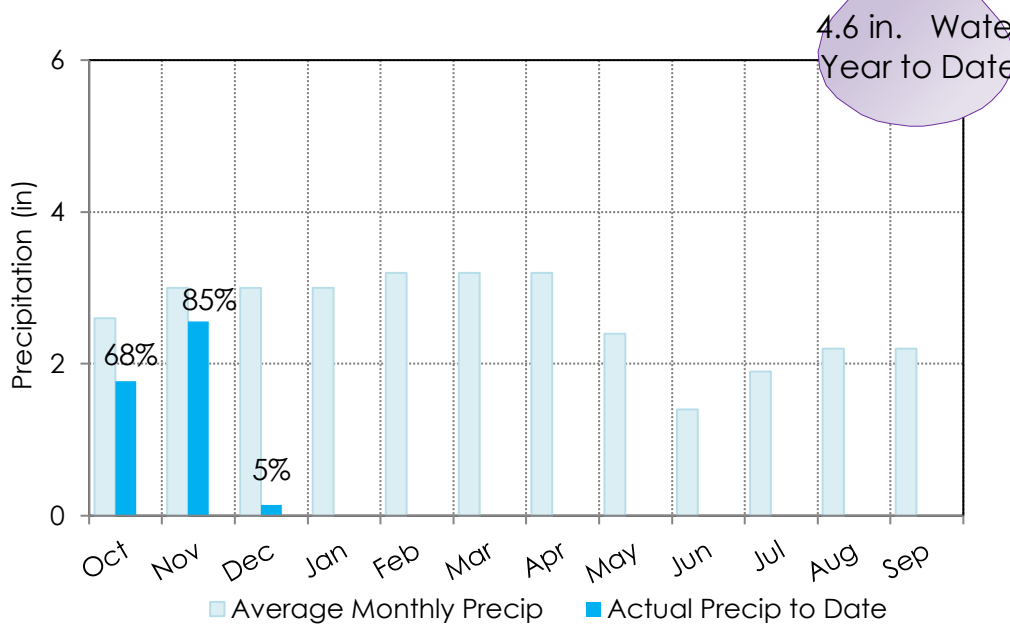


WY 2019 138% of normal (Final Preliminary)

# Colorado River Resources

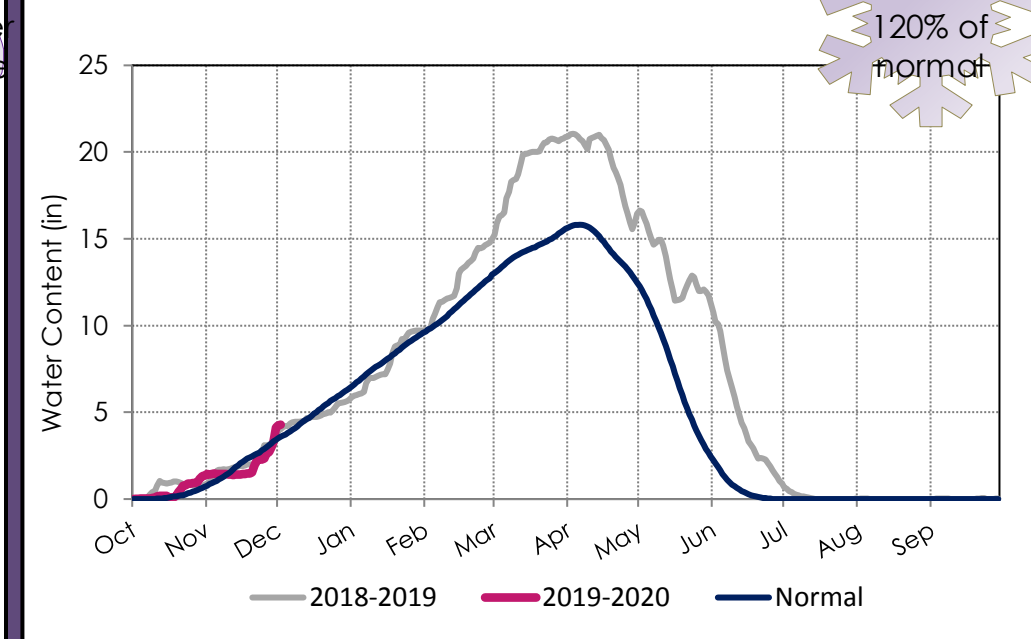
As of: 12/01/2019

## Upper Colorado Basin Precip



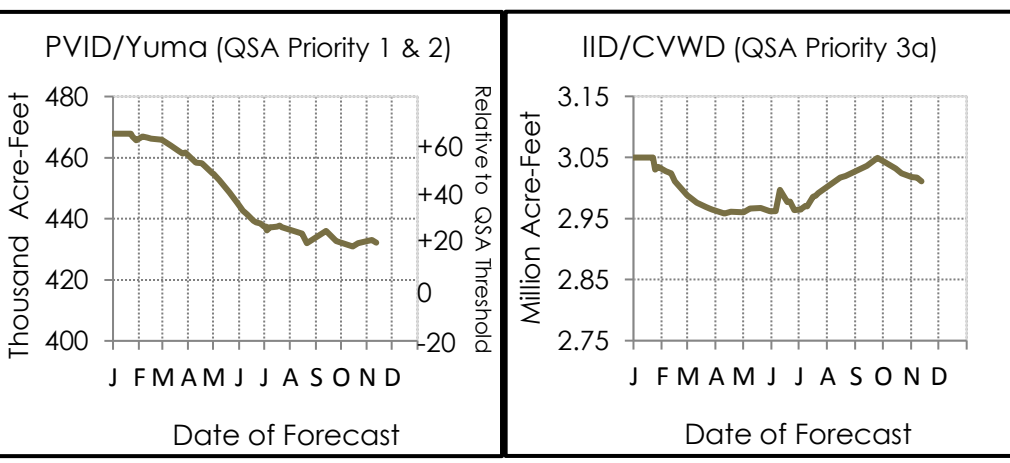
4.6 in. Water Year to Date

## Upper Colorado Basin Snowpack



4.3 in. 120% of normal

## 2019 Colorado River Ag Use

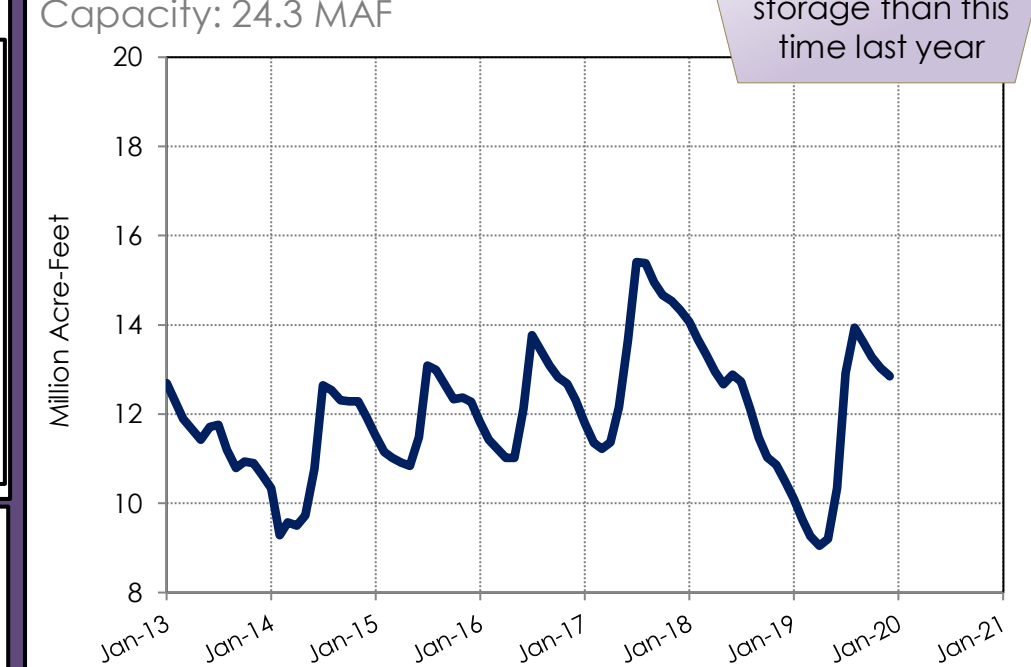


## Lake Mead Shortage/Surplus Outlook

	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

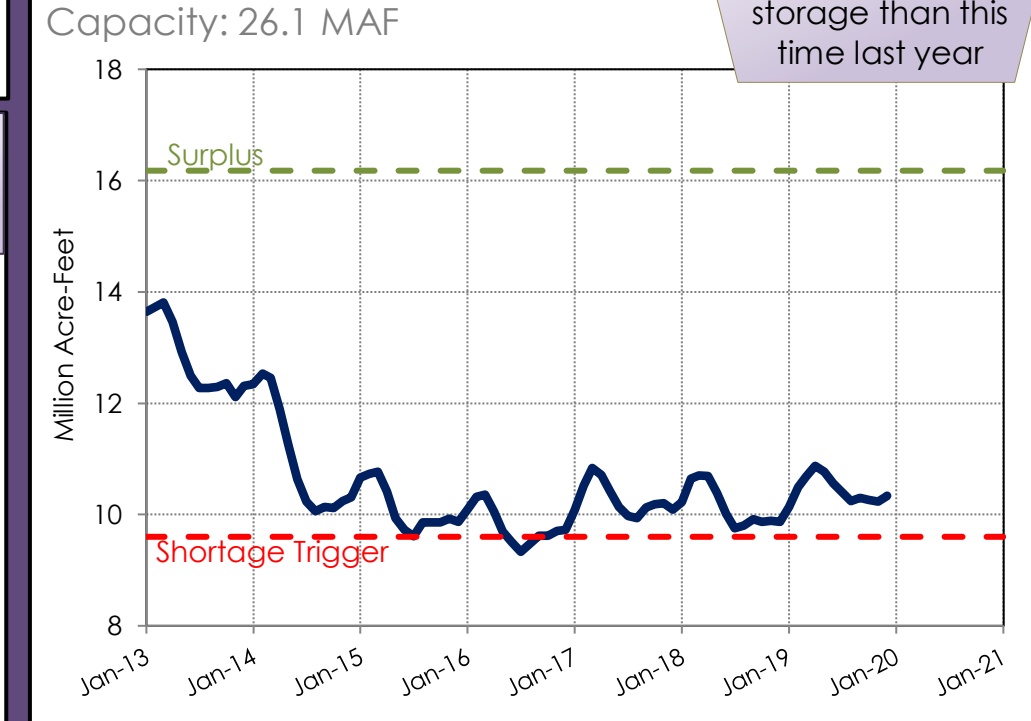
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Powell Storage



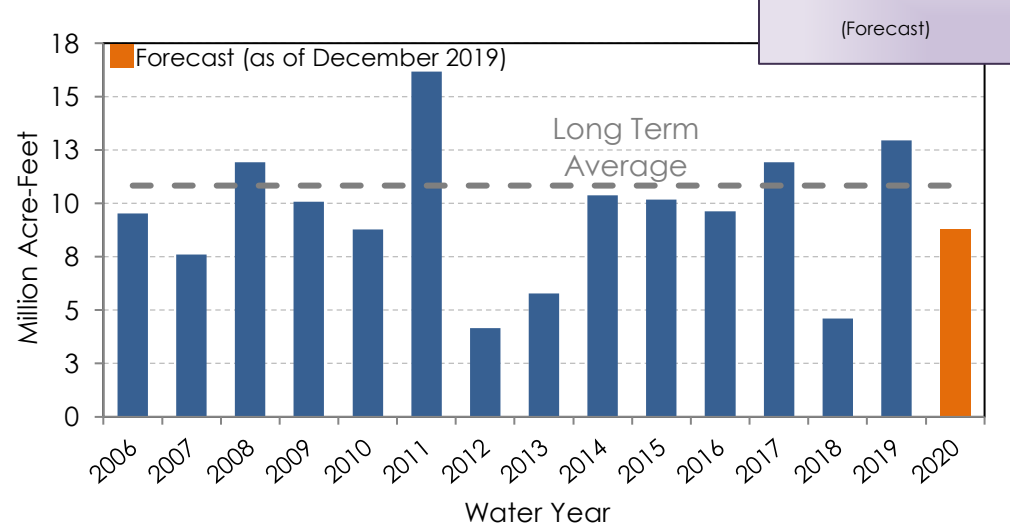
2.35 MAF more in storage than this time last year

## Lake Mead Storage



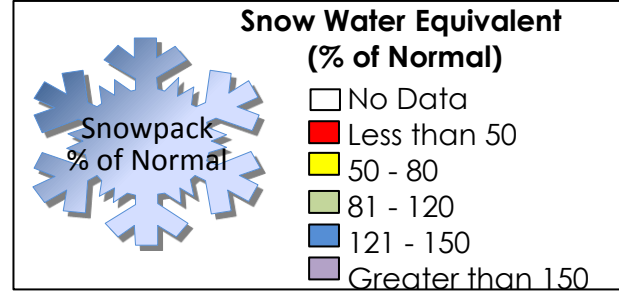
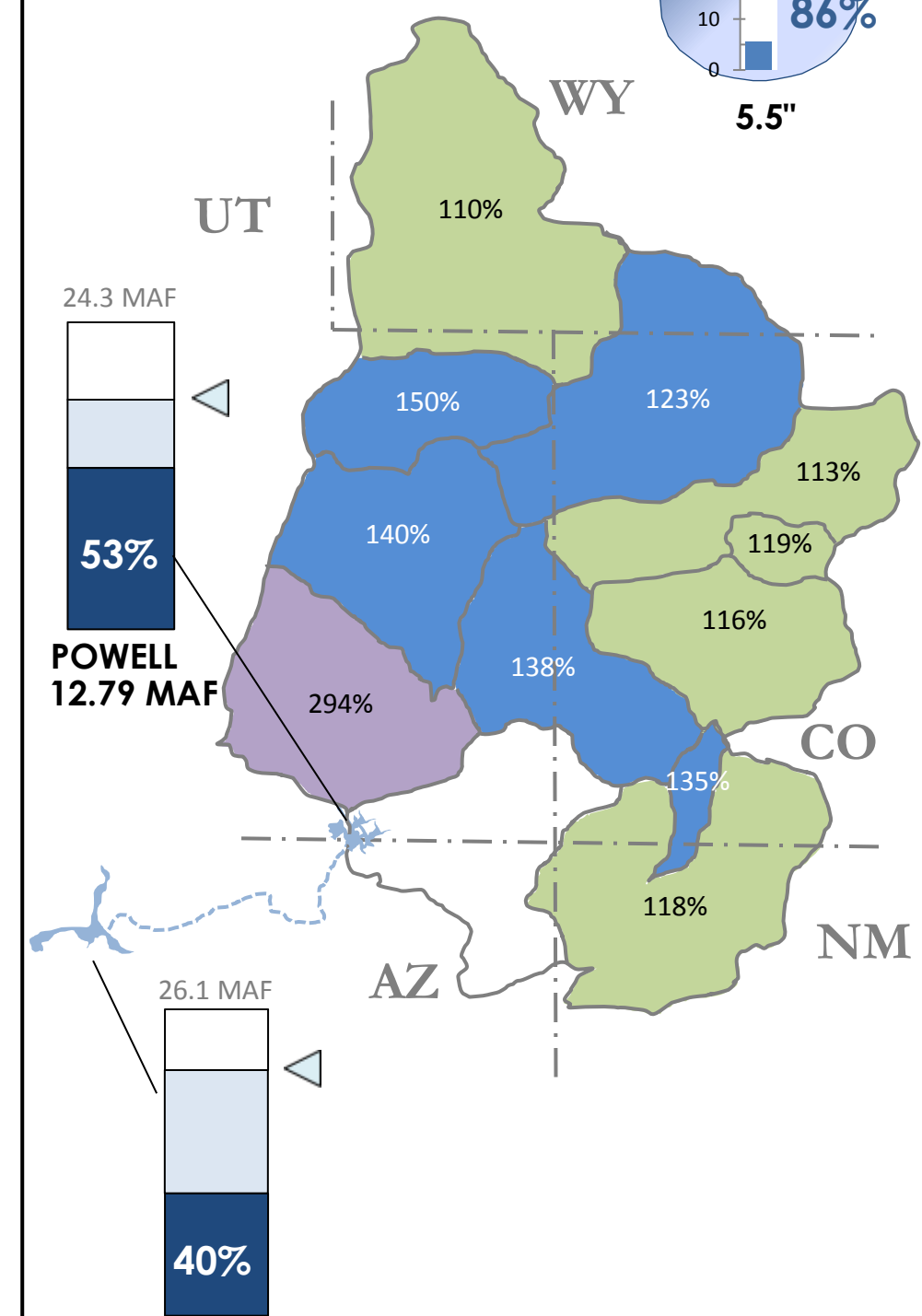
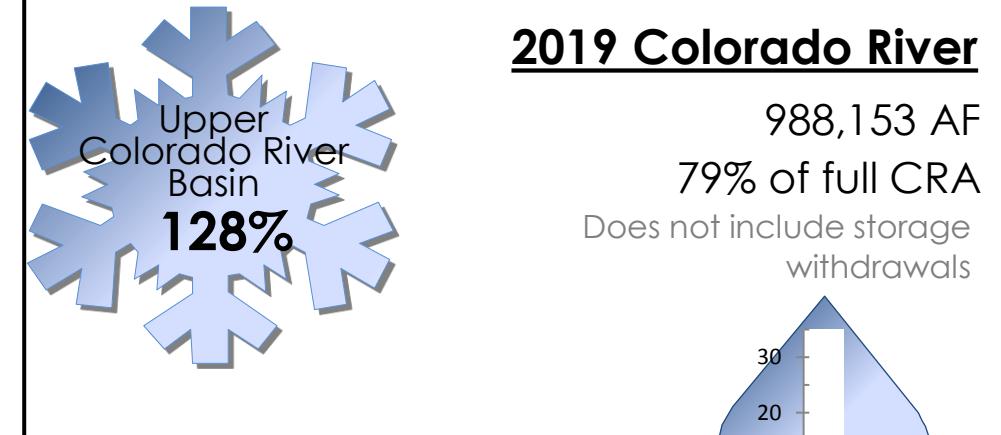
460 TAF more in storage than this time last year

## Powell Unregulated Inflow



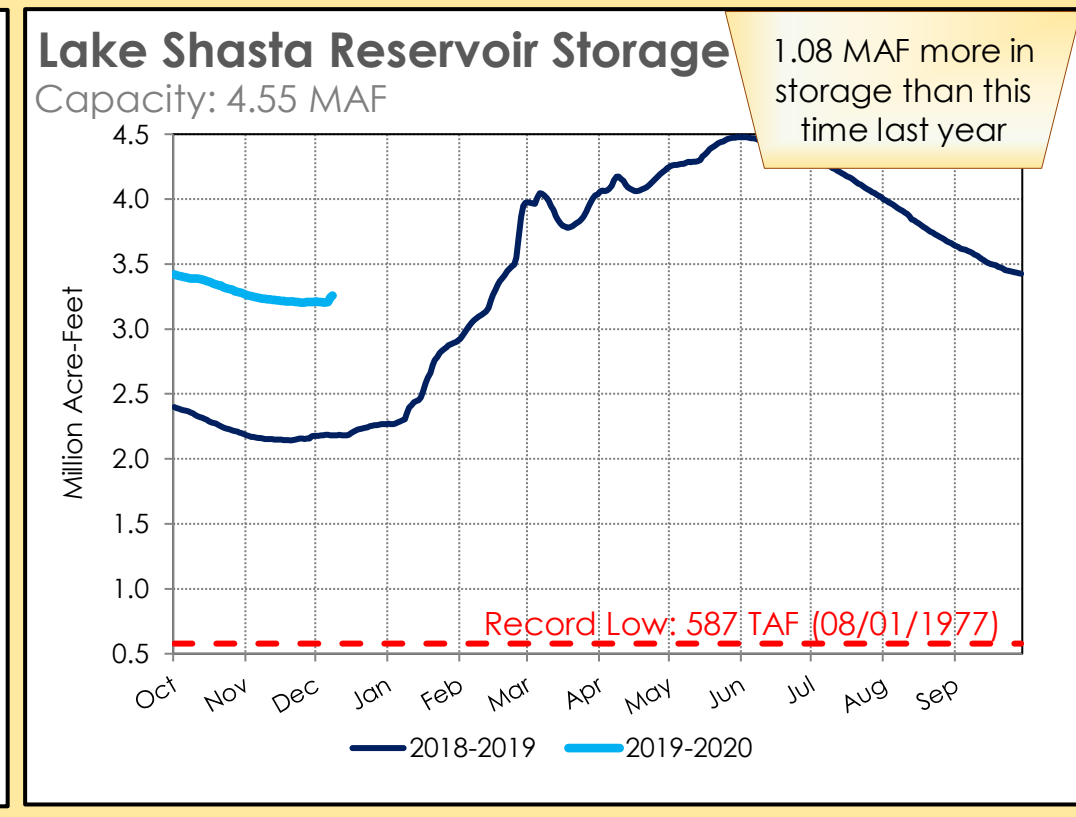
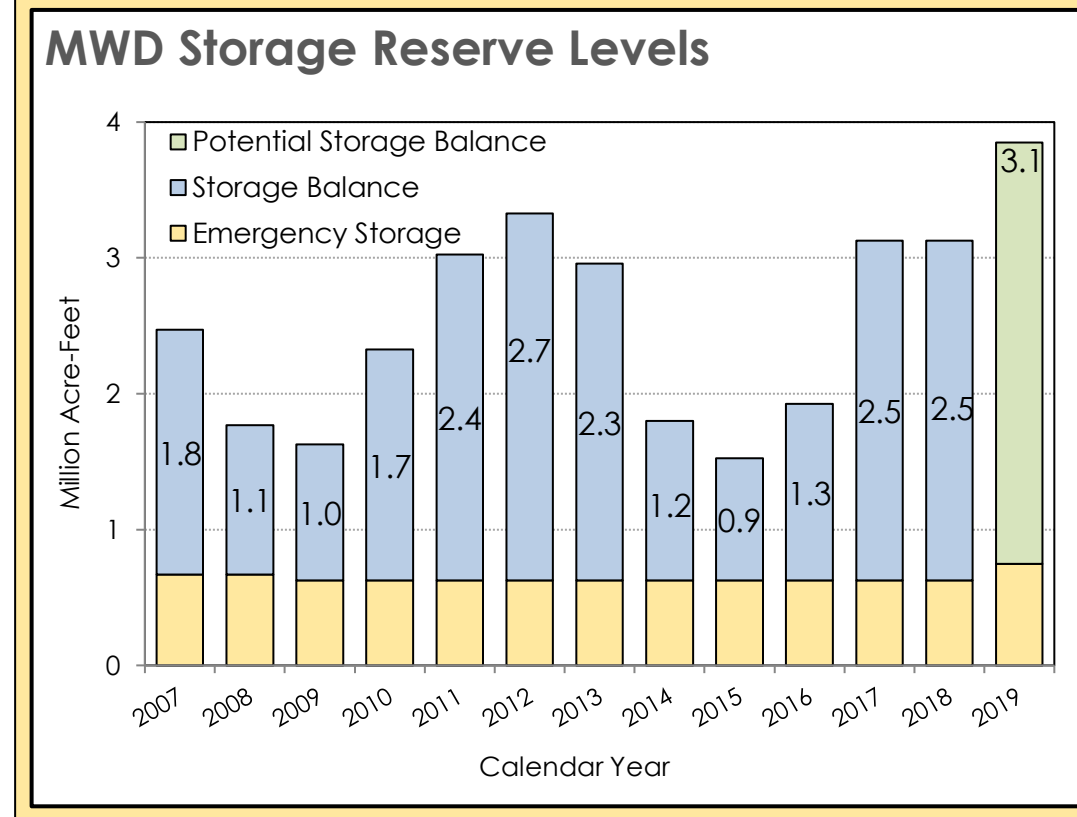
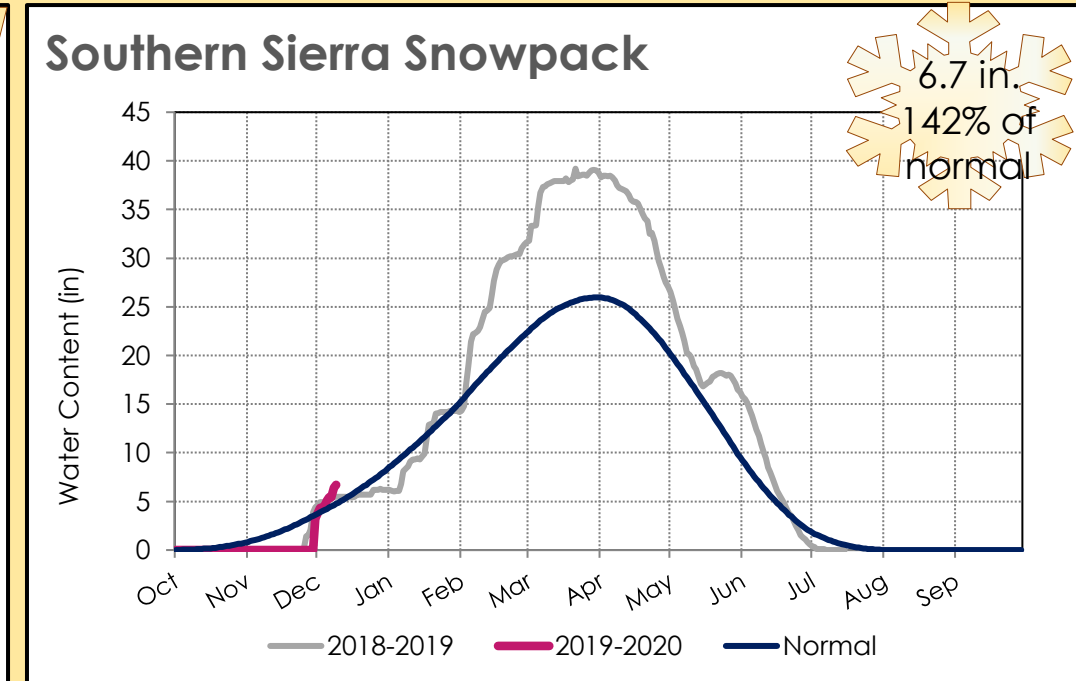
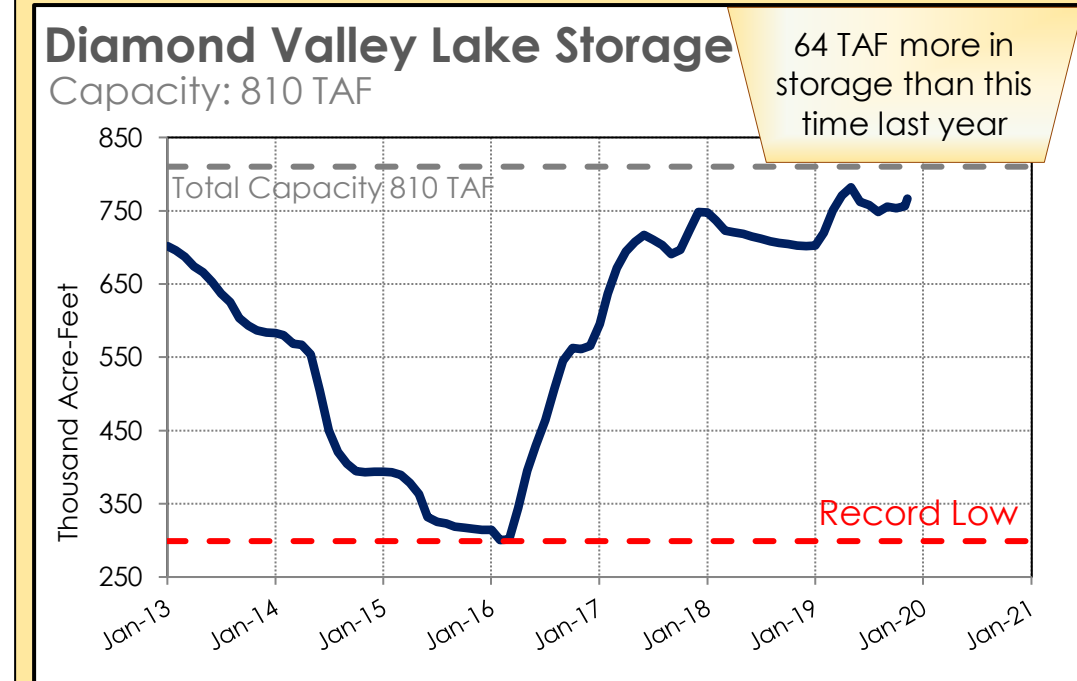
WY 2020 81% of normal (Forecast)





**Highlights**

- Precipitation at the 8-Station is at 80% of normal
- Snow in the Northern Sierra is at 95% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 86% and 128% of normal
- The 2020 SWP initial allocation is 10%.



**2019 SWP Allocation**  
1,433,625 AF  
75% of Table A  
Statewide **116%**

**OROVILLE** 1.97 MAF  
8 STA: 9.5" (80% WY Avg)

**SAN LUIS** TOT: 969.89 TAF  
SWP: 693 TAF  
5 STA: 8.4" (102% WY Avg)

**CASTAIC** 247 TAF  
LA: 3.5" (189% WY Avg)

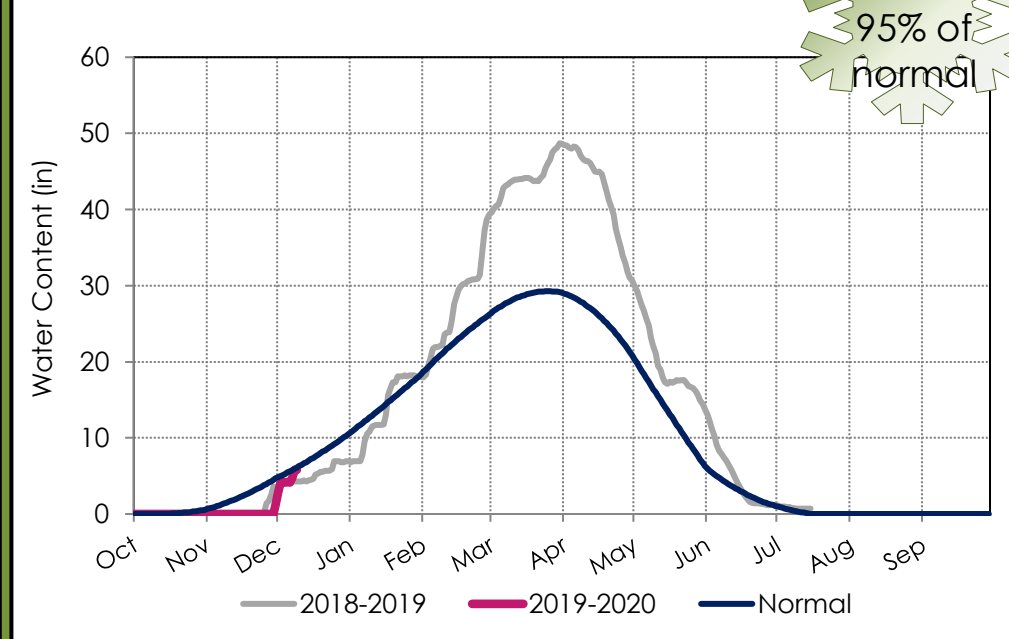
**DVL** 767 TAF  
SD: 4.1" (227% WY Avg)

**Legend:**  
Rainfall to Date (in) | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

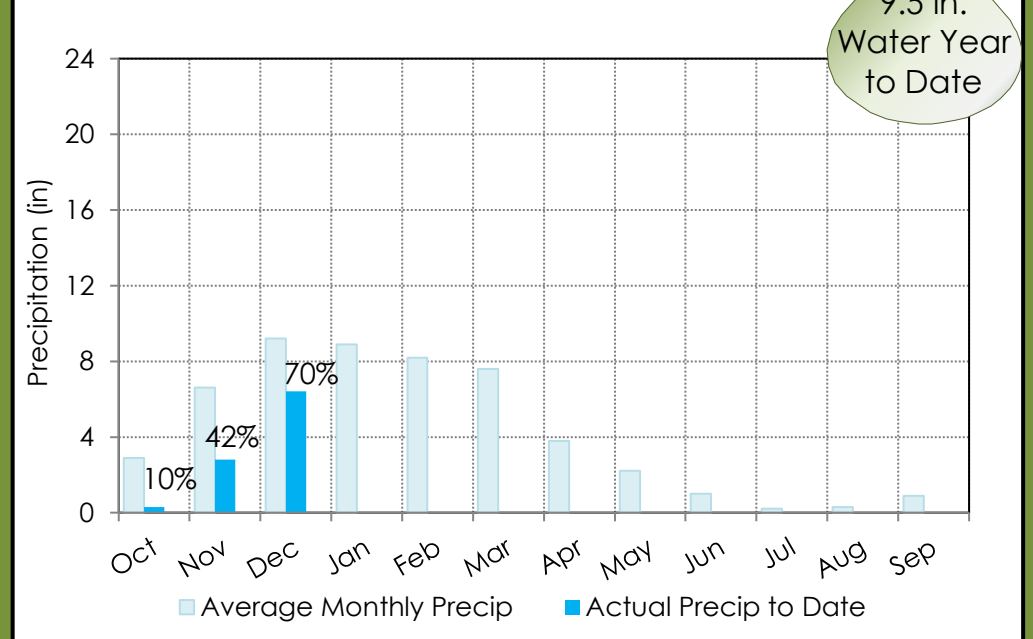
As of: 12/08/2019

# State Water Project Resources

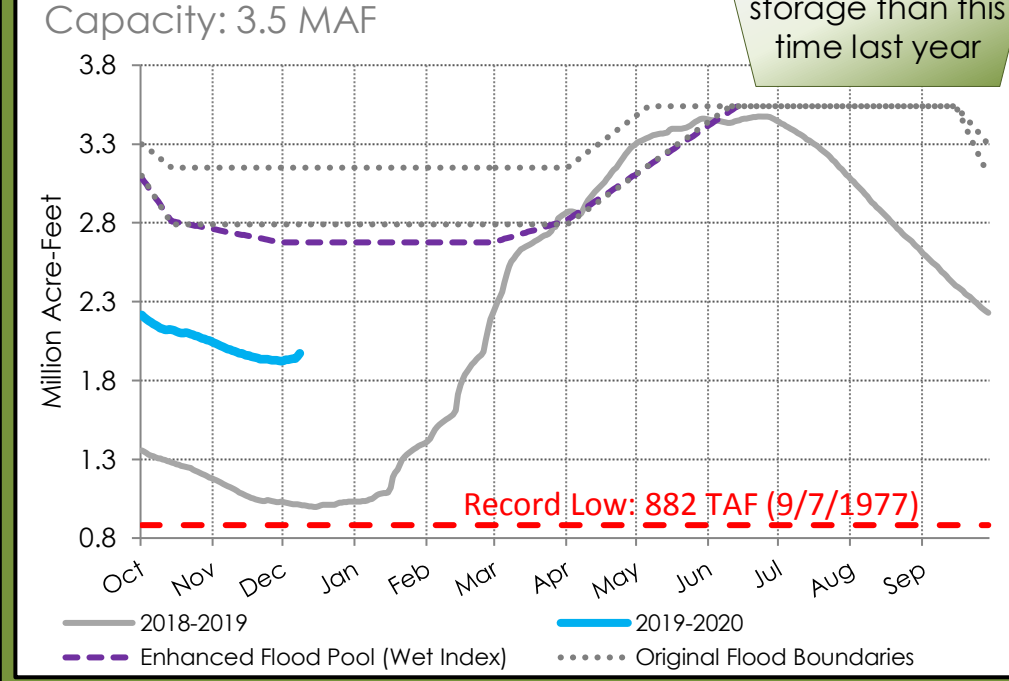
## Northern Sierra Snowpack



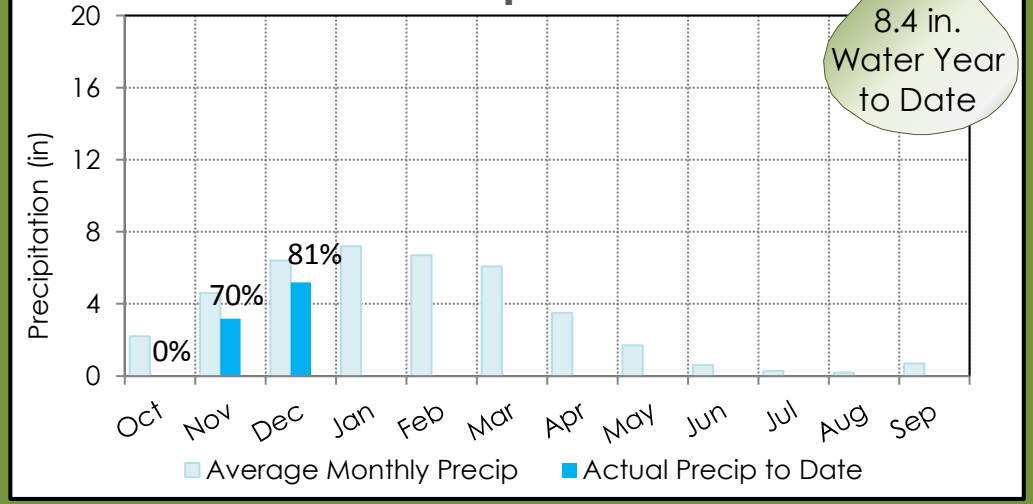
## 8 Station Index Precip



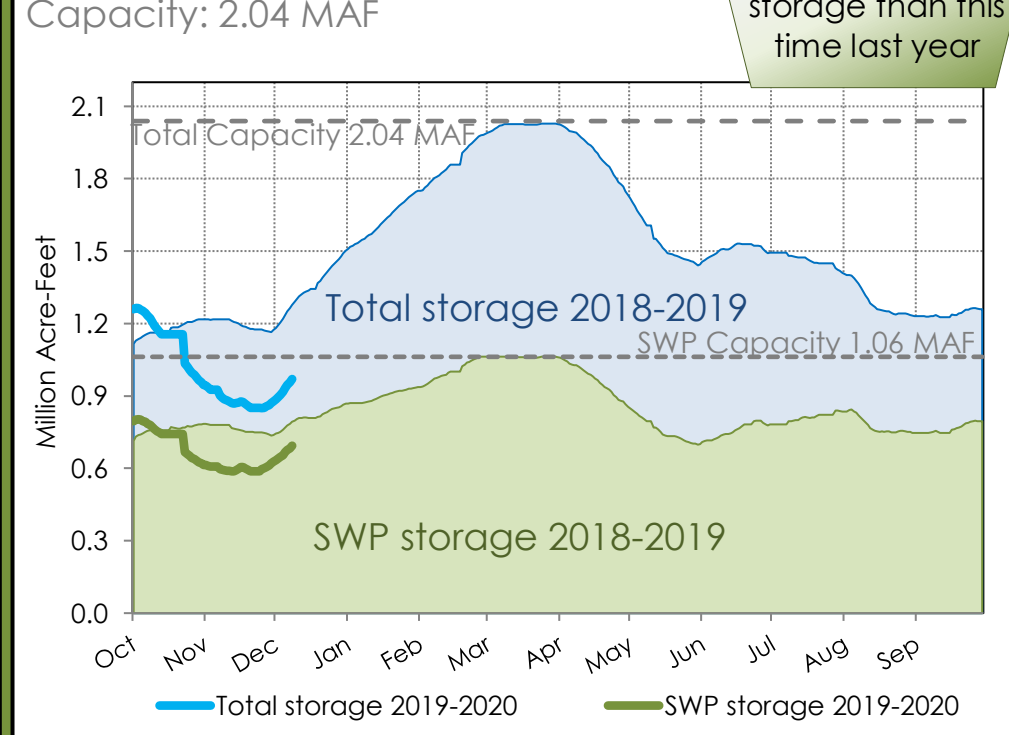
## Oroville Reservoir Storage



## 5 Station Index Precip



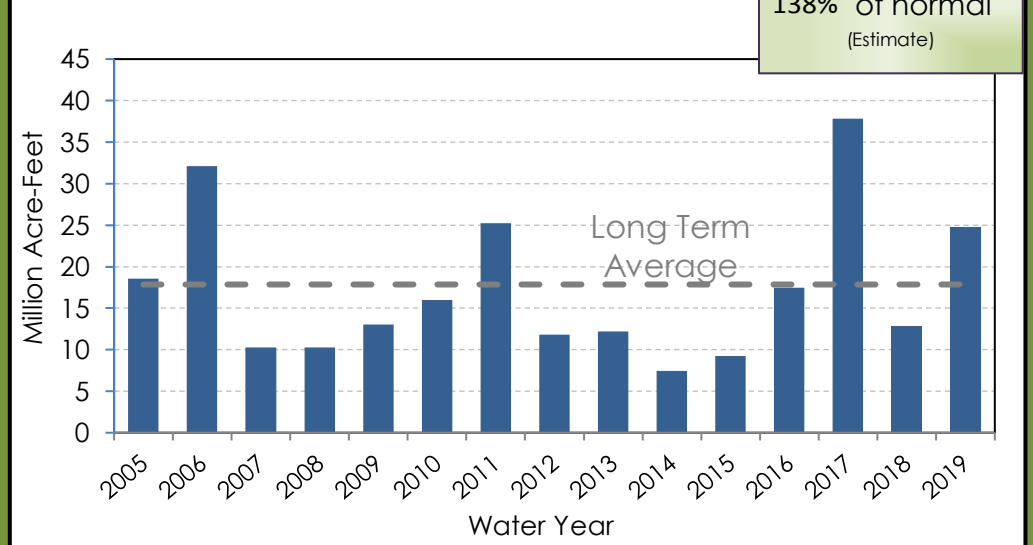
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

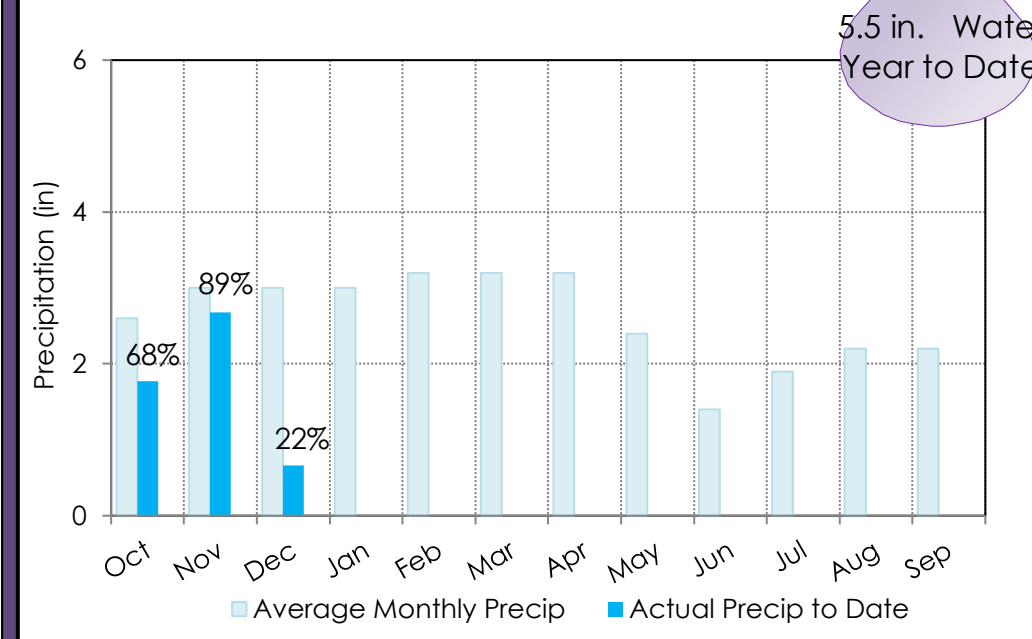
## Sacramento River Runoff



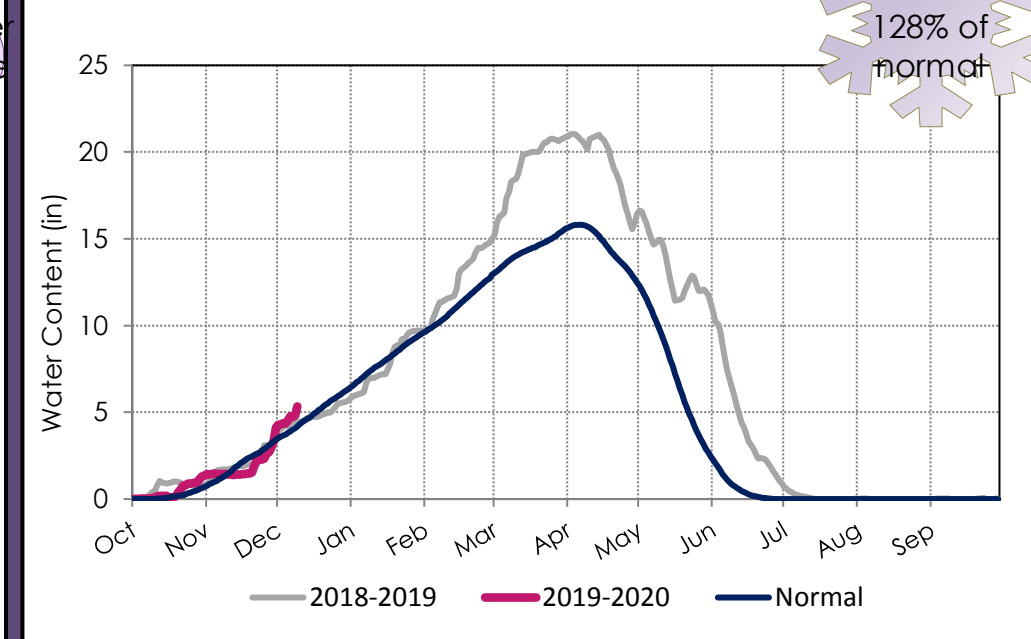
# Colorado River Resources

As of: 12/08/2019

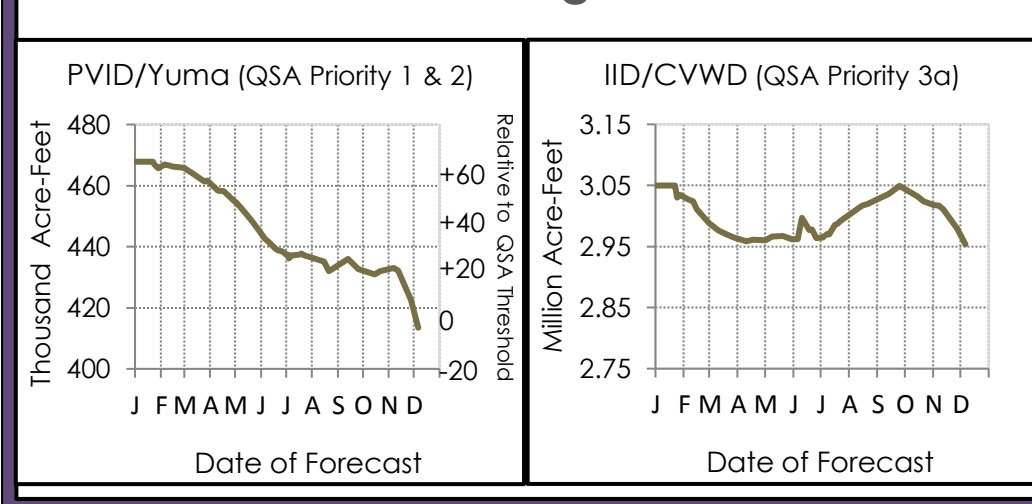
## Upper Colorado Basin Precip



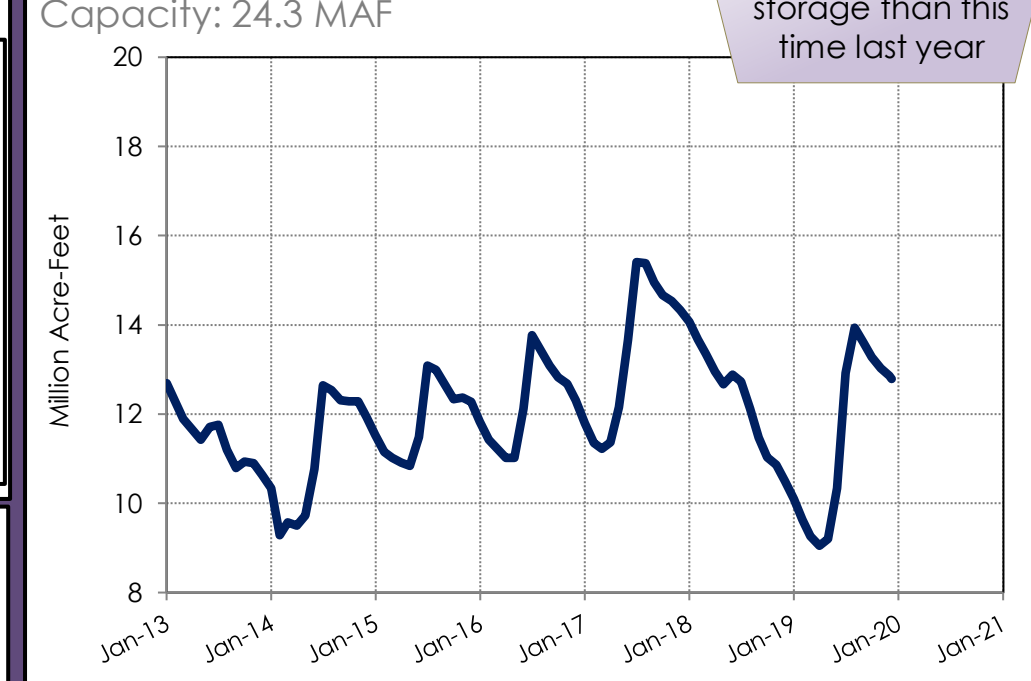
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

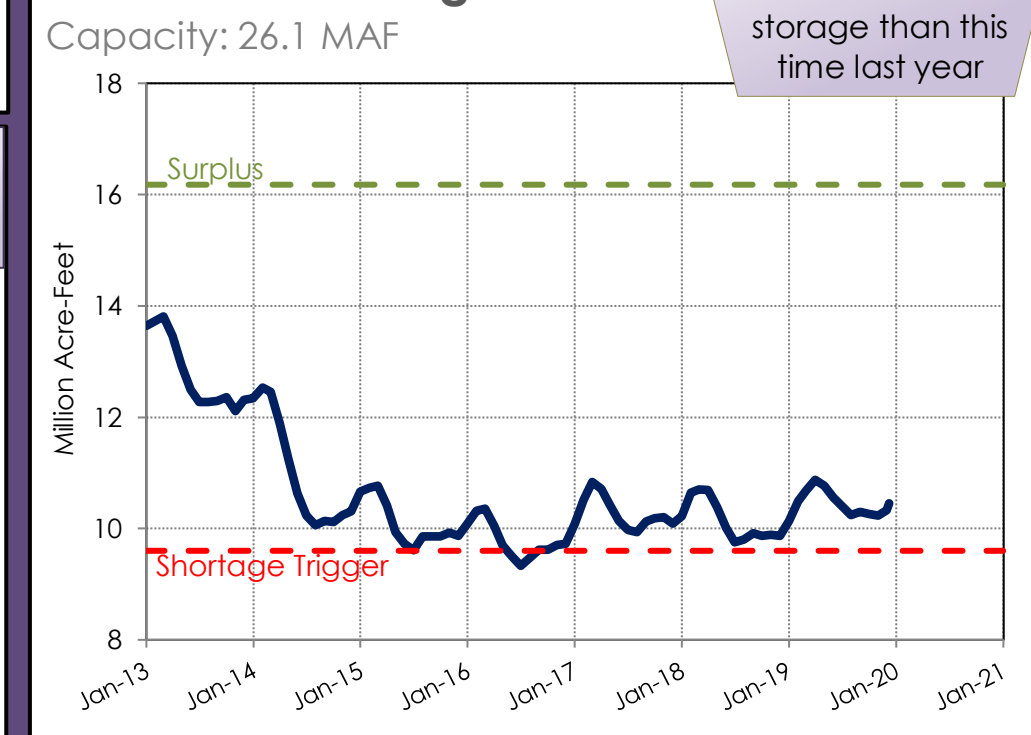


## Lake Mead Shortage/Surplus Outlook

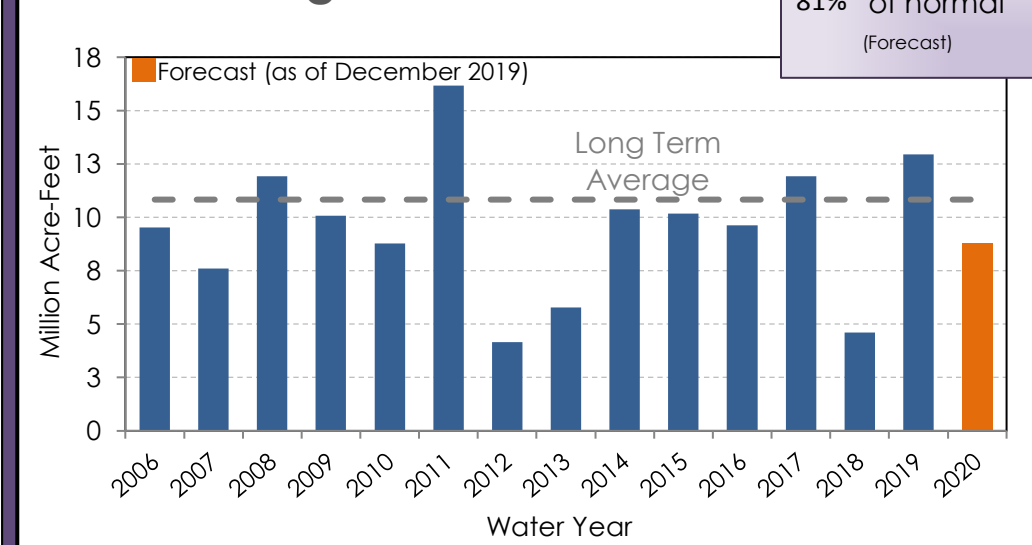
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

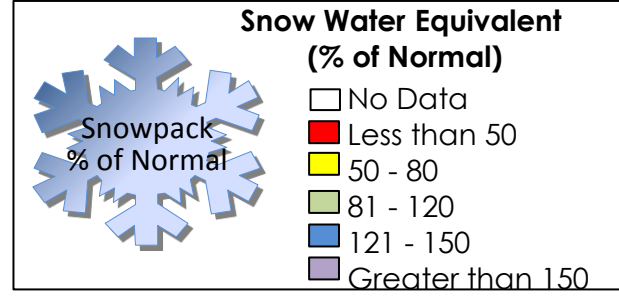
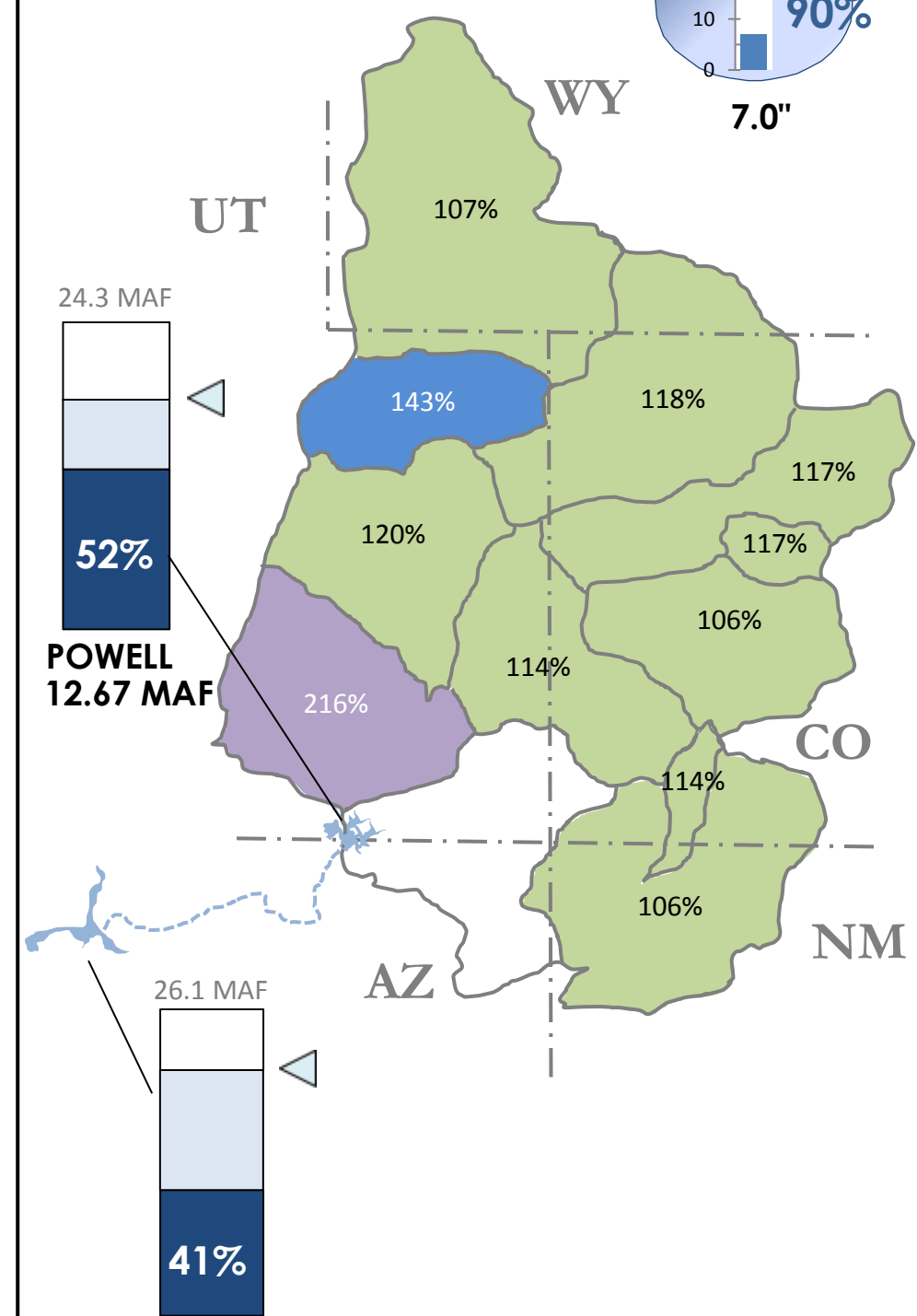
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



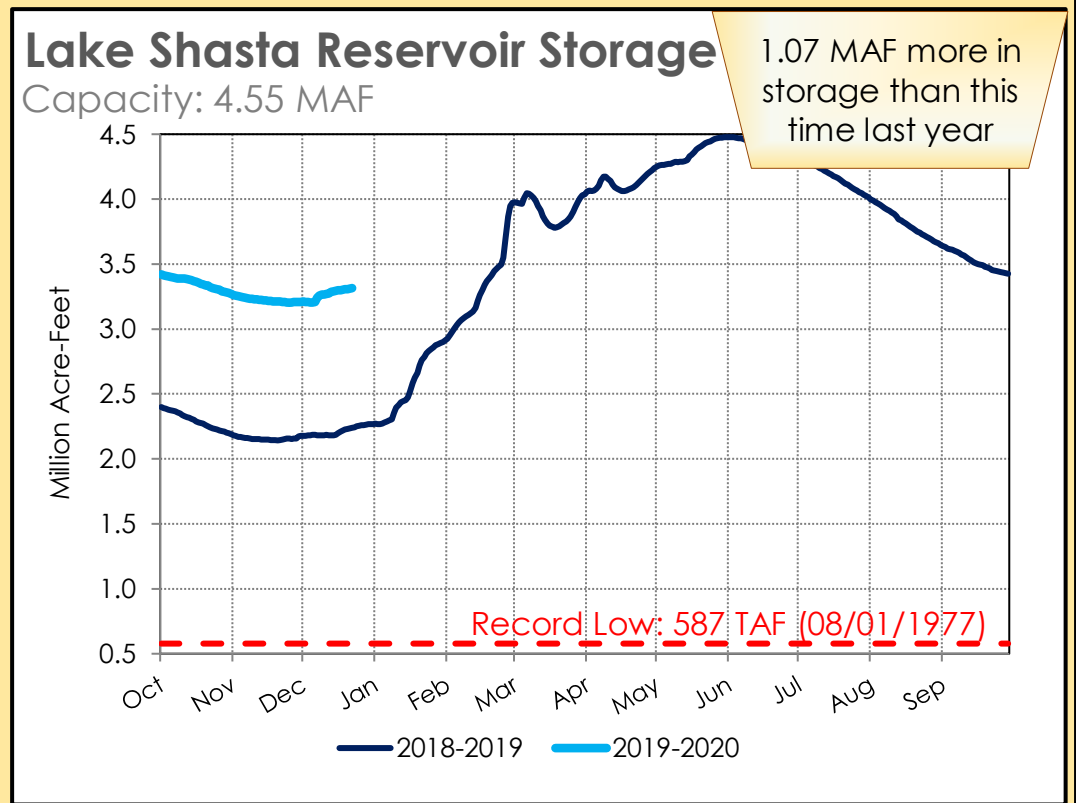
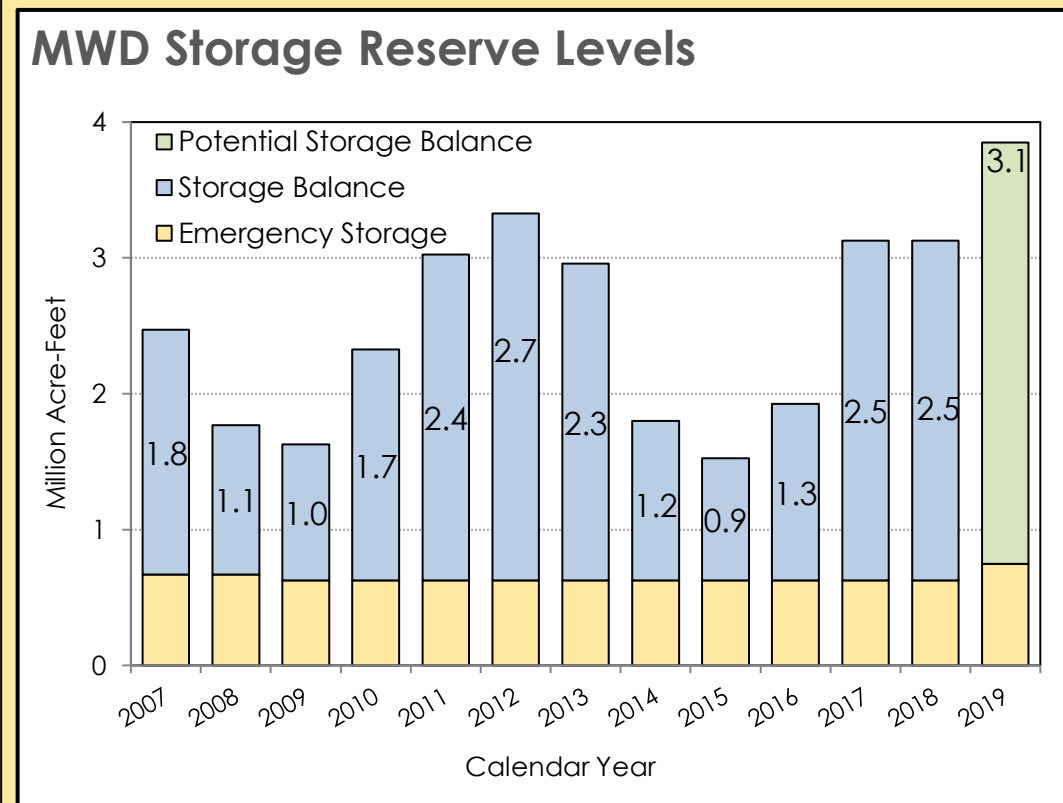
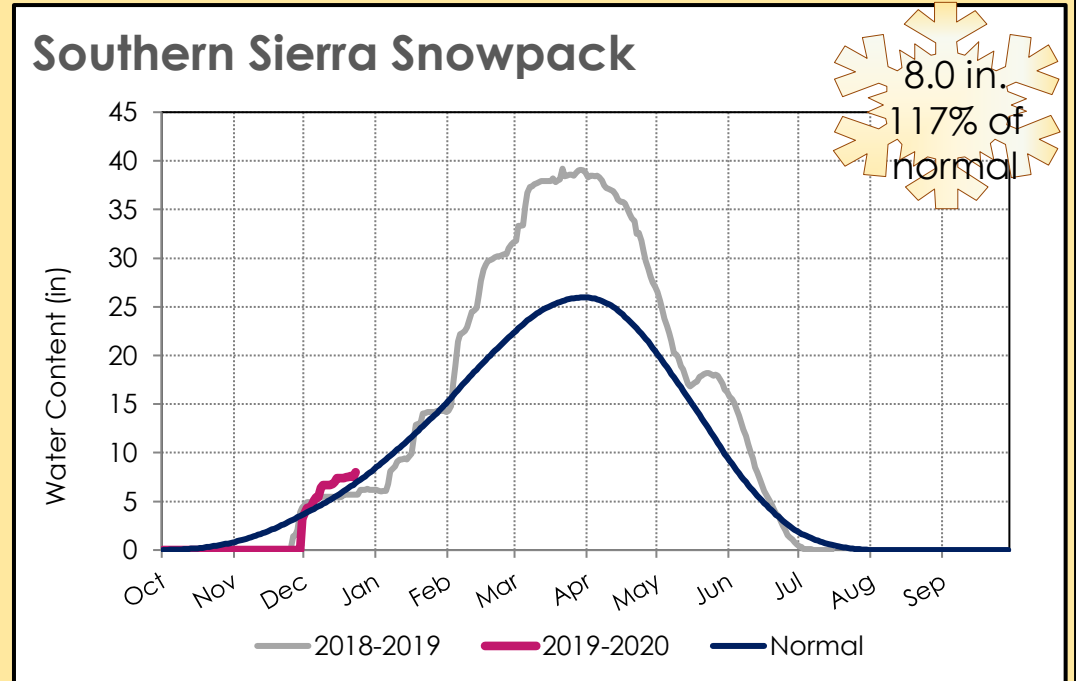
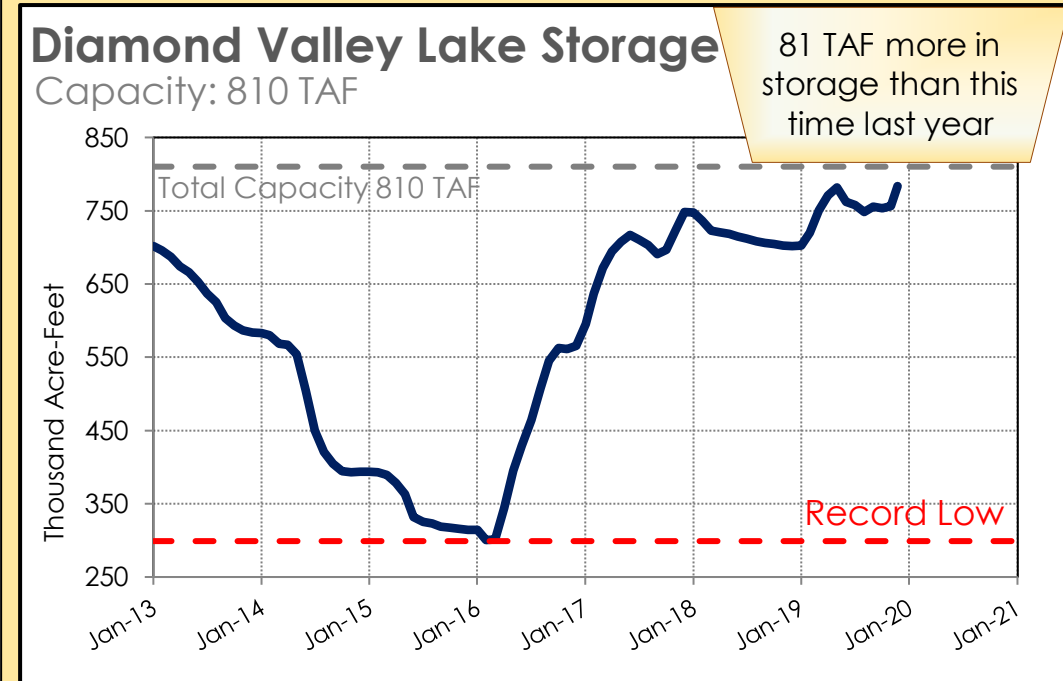
## Powell Unregulated Inflow





**Highlights**

- Precipitation at the 8-Station is at 79% of normal
- Snow in the Northern Sierra is at 93% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 90% and 118% of normal
- The 2020 SWP allocation is 10%.



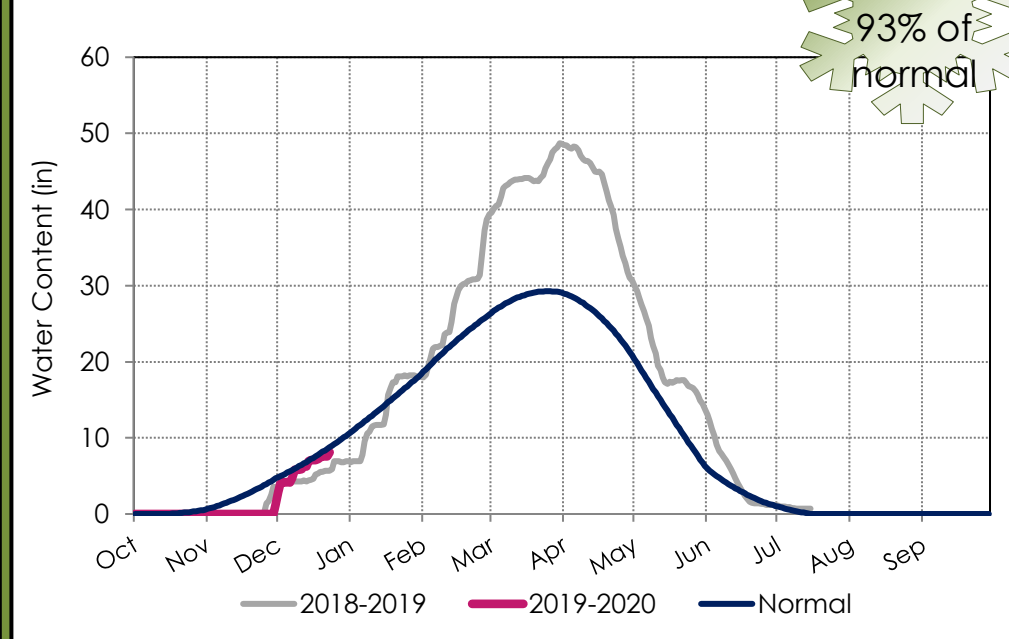
**2019 SWP Allocation**  
1,433,625 AF  
75% of Table A  
Statewide **105%**

**Legend:**  
Rainfall to Date (in) | WY Avg | % Normal WY to Date  
Capacity | Average EOM | Current Storage (% Capacity)

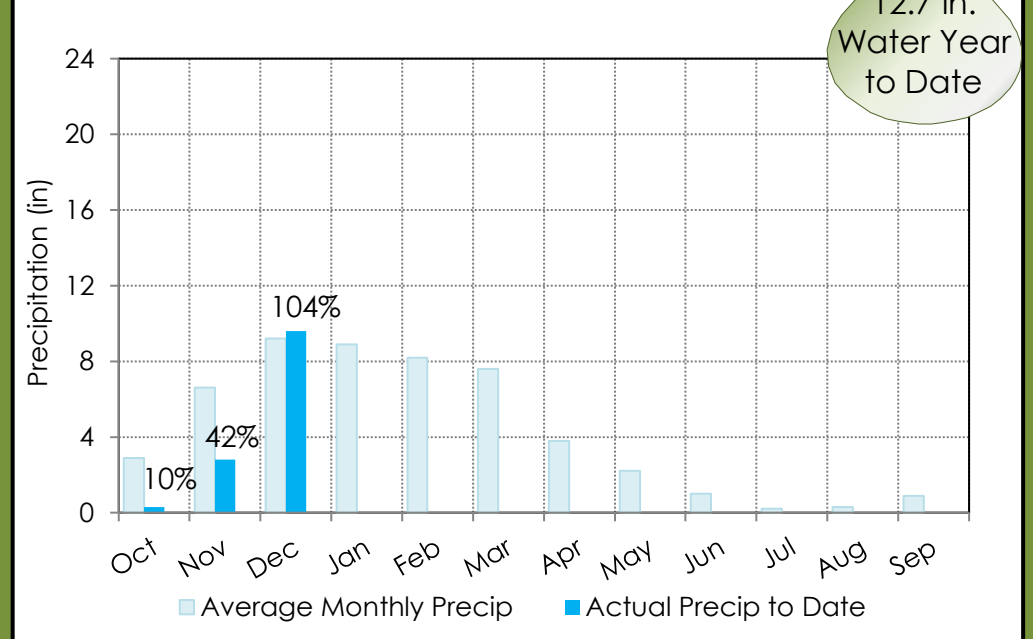
As of: 12/22/2019

# State Water Project Resources

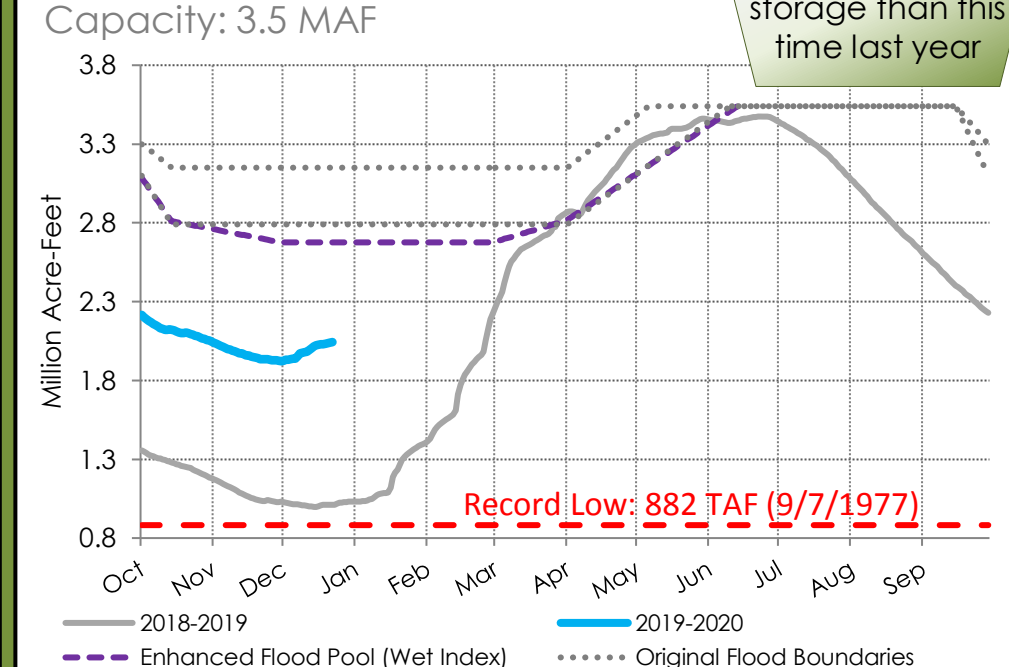
## Northern Sierra Snowpack



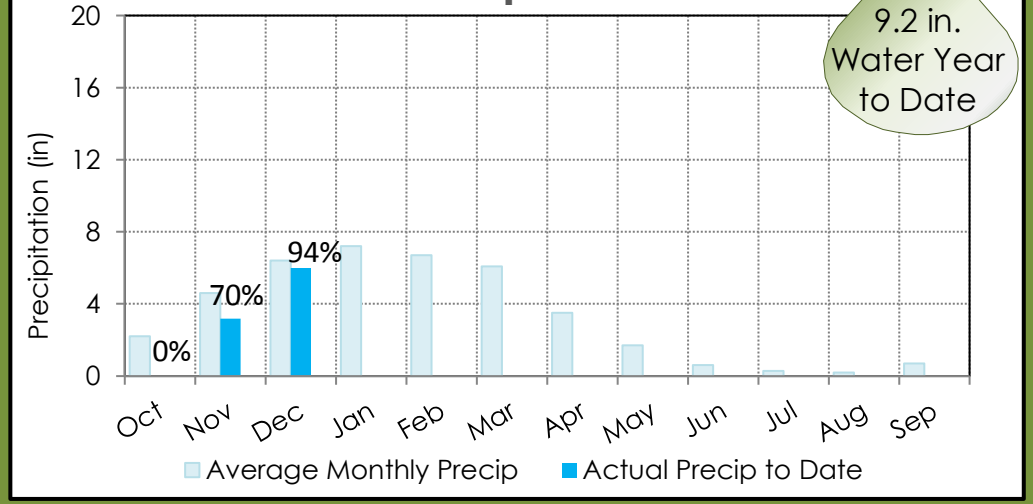
## 8 Station Index Precip



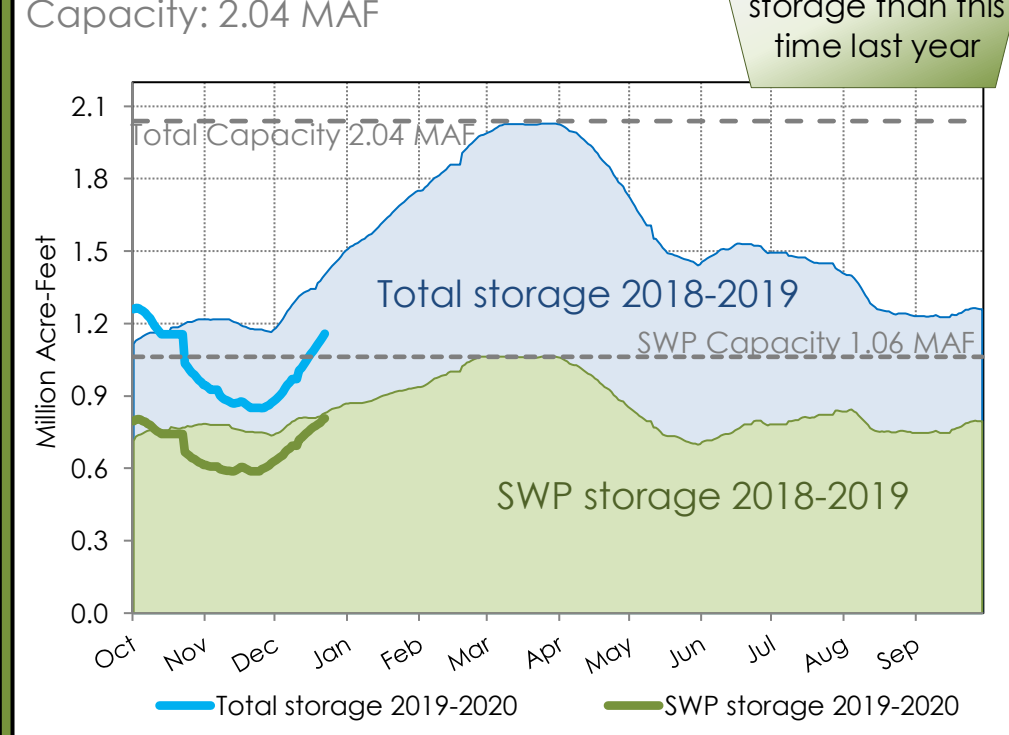
## Oroville Reservoir Storage



## 5 Station Index Precip



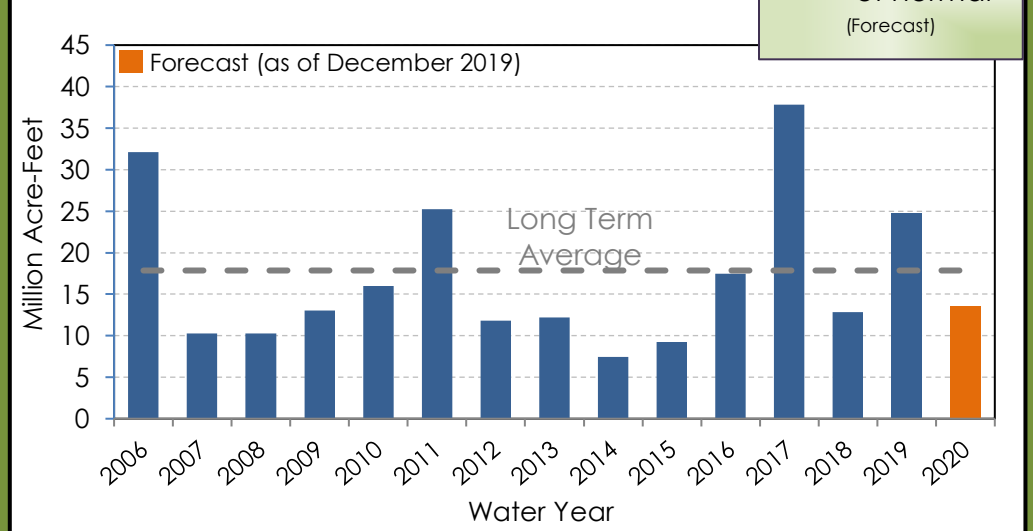
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

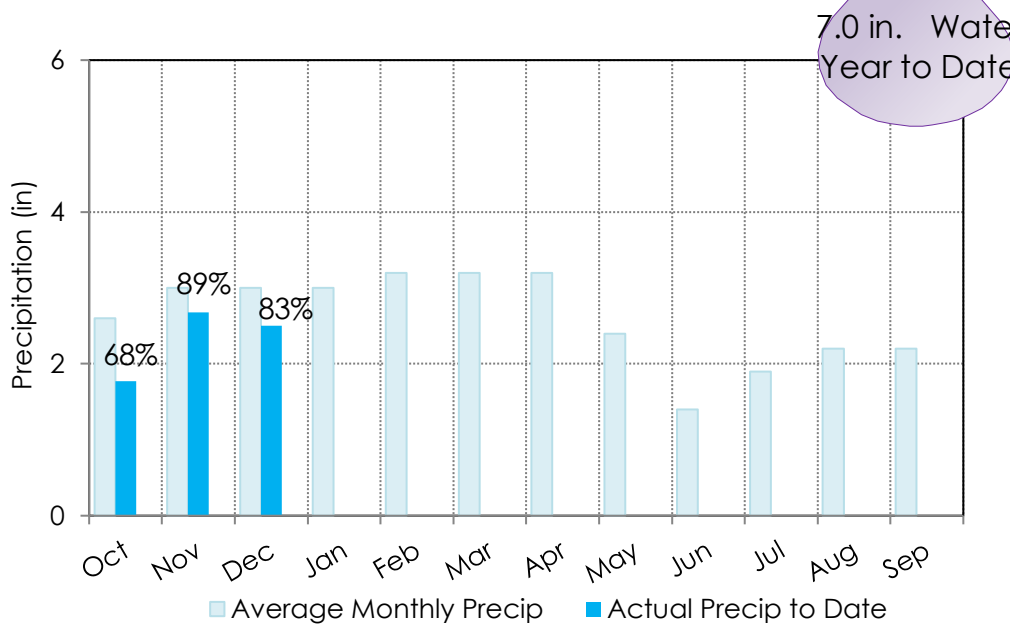
## Sacramento River Runoff



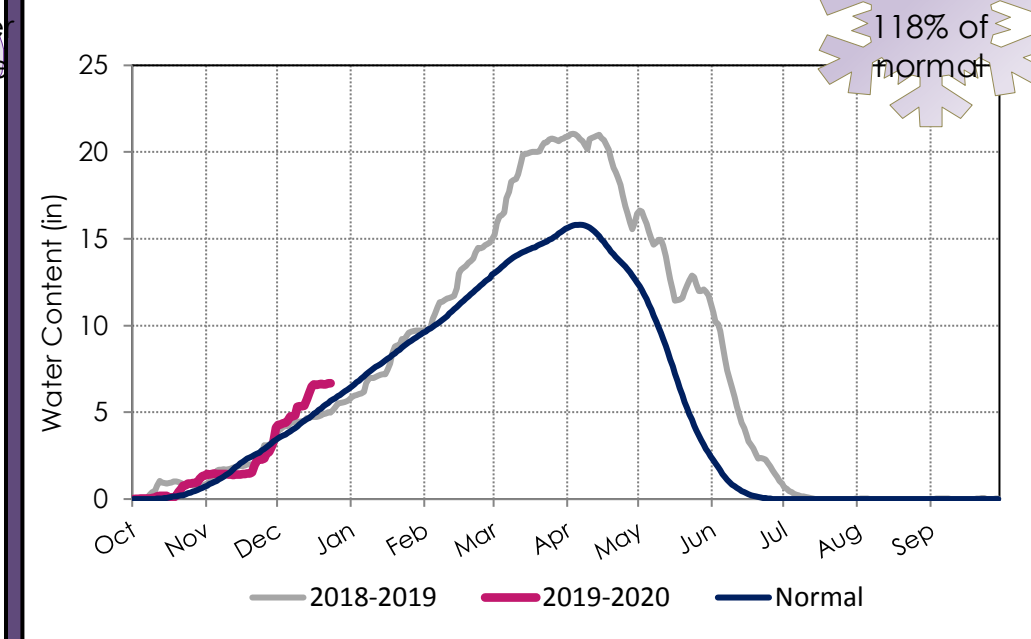
# Colorado River Resources

As of: 12/22/2019

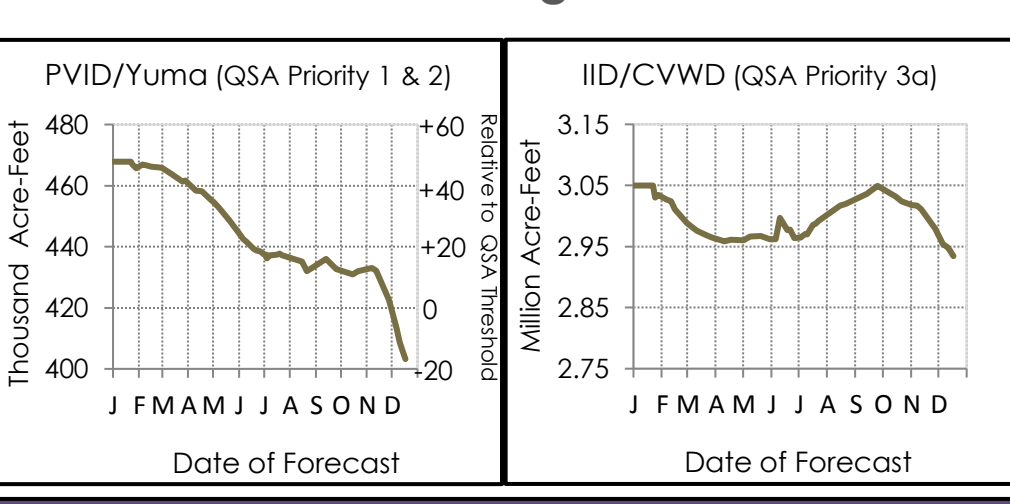
## Upper Colorado Basin Precip



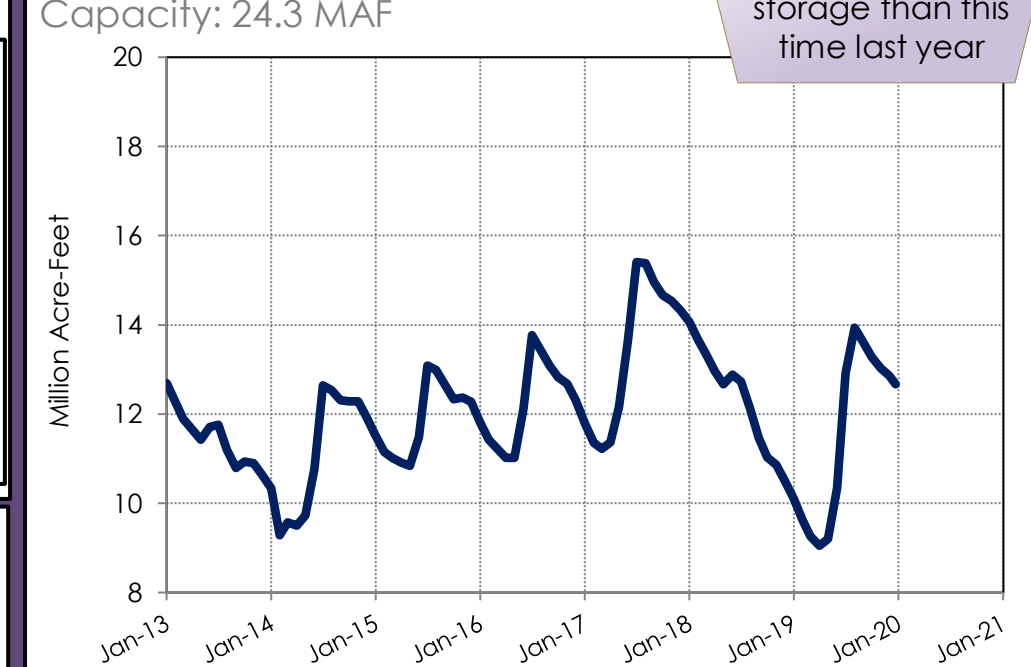
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

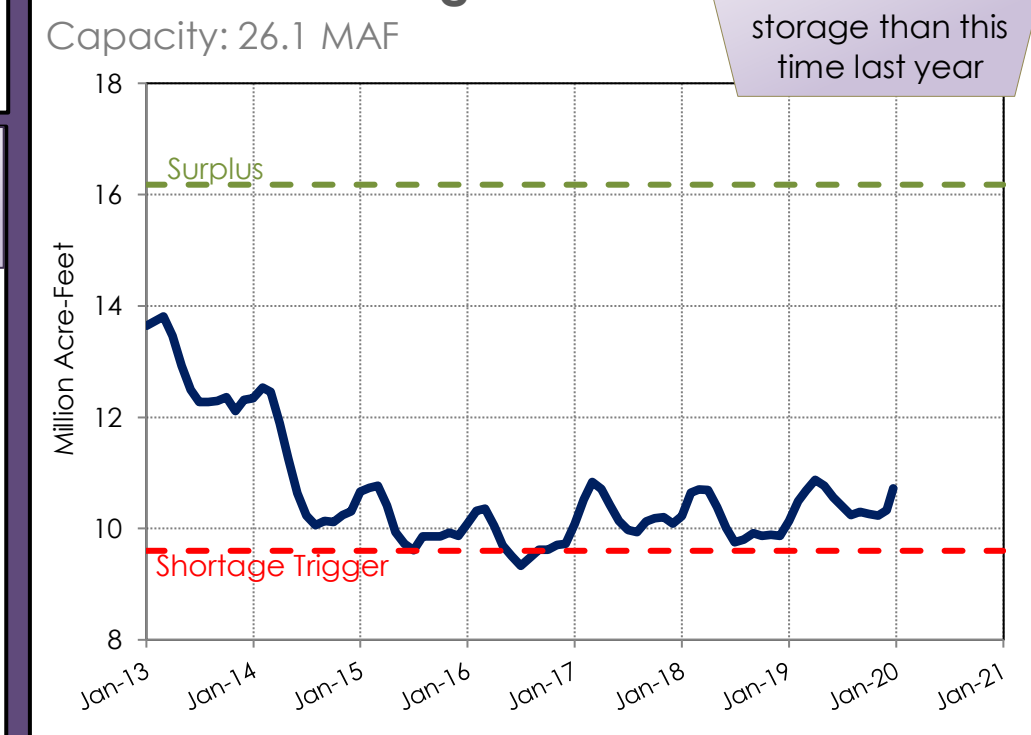


## Lake Mead Shortage/Surplus Outlook

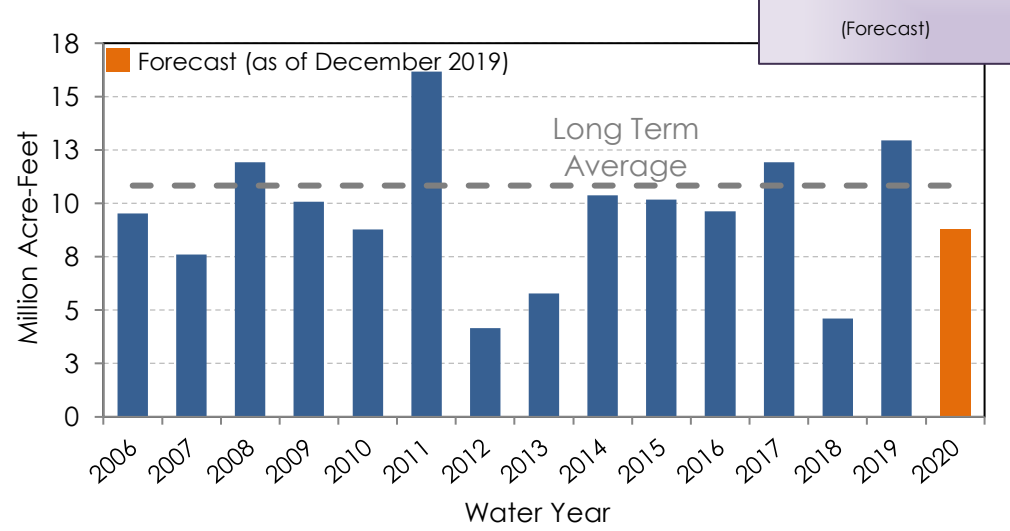
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

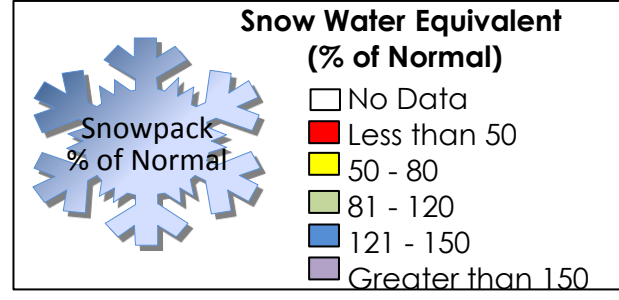
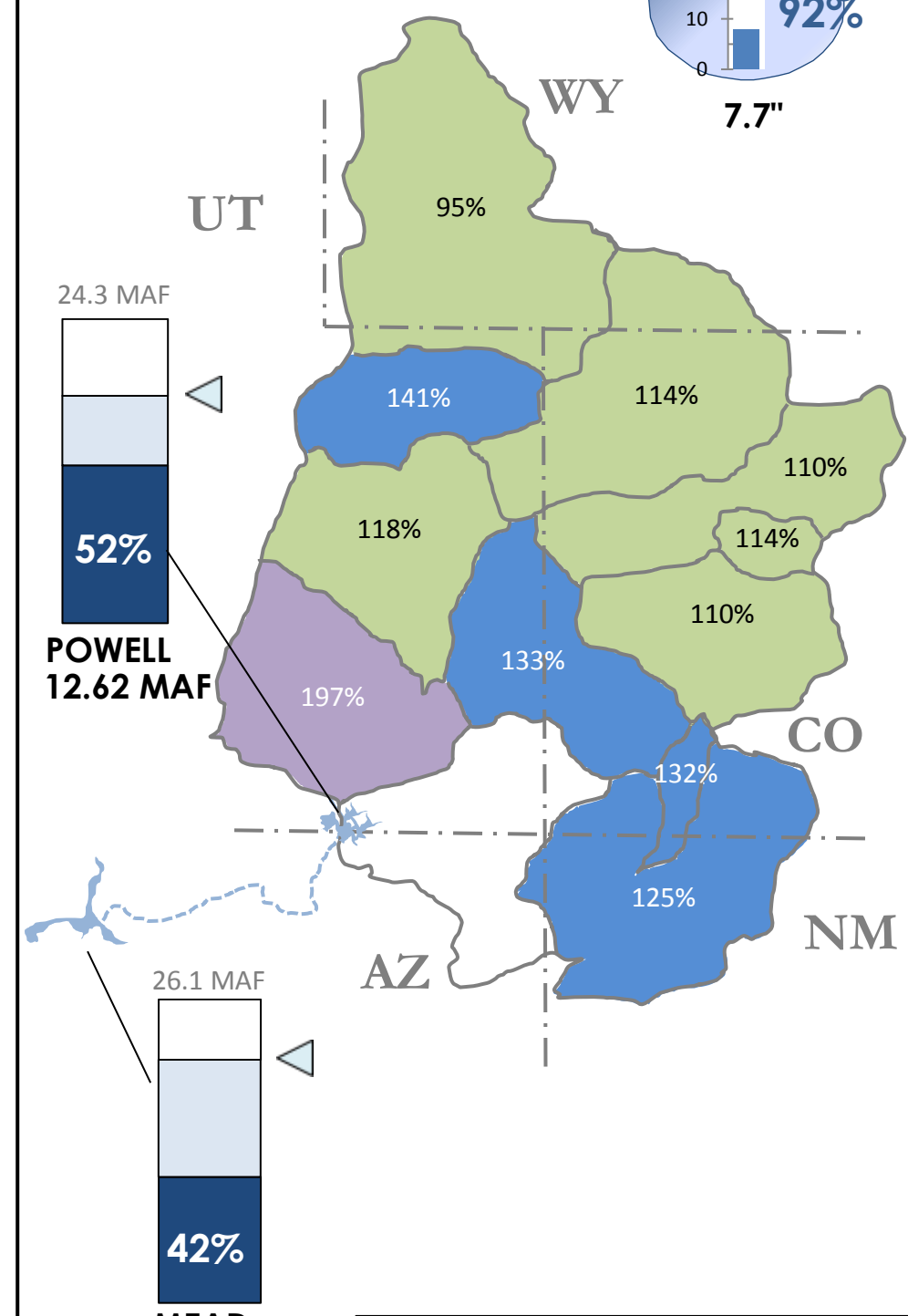
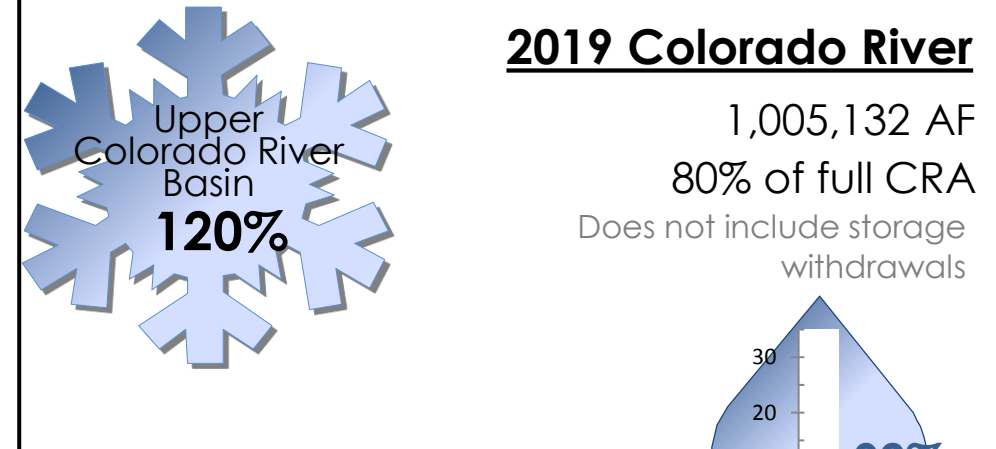
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



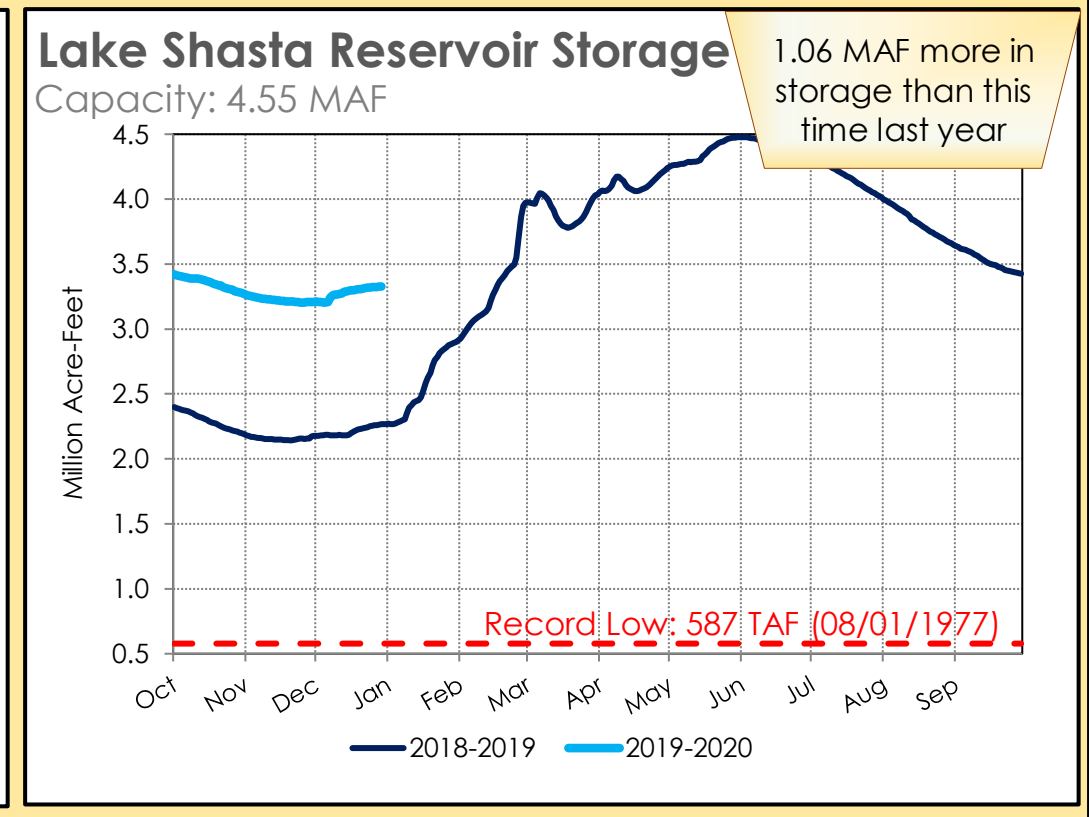
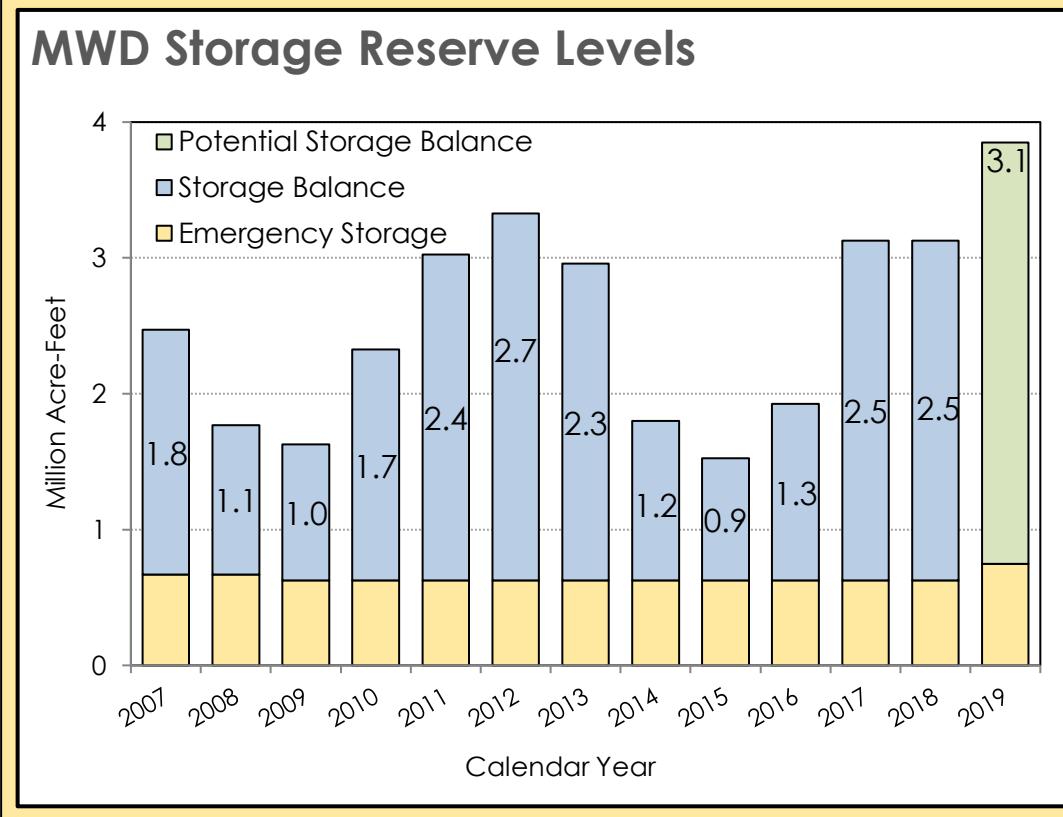
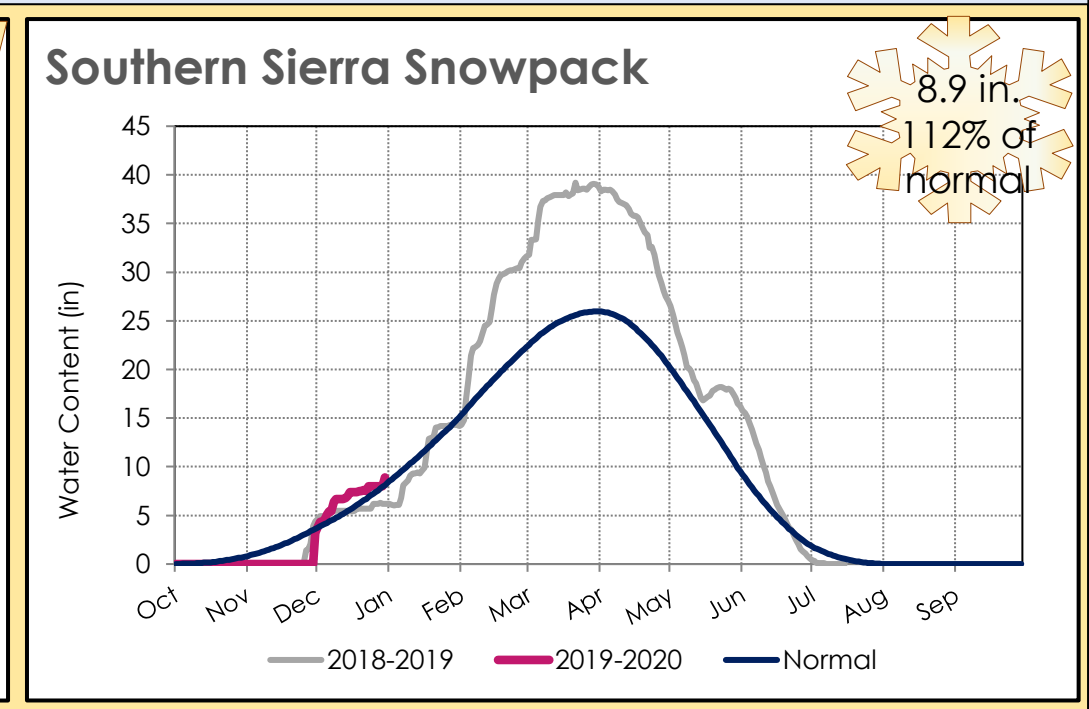
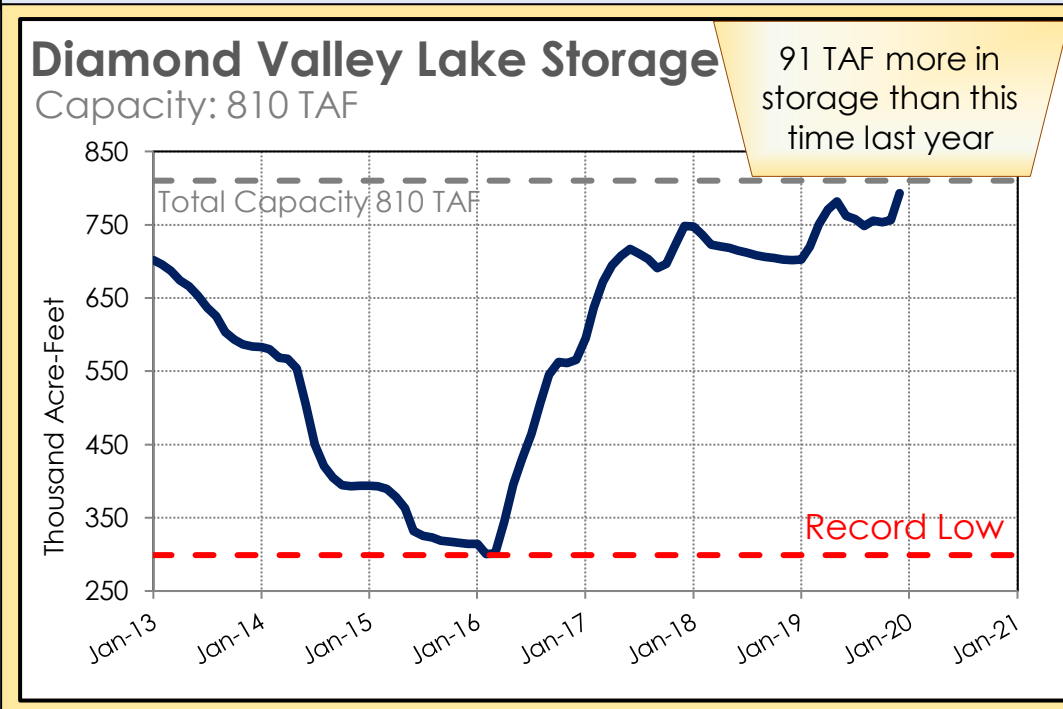
## Powell Unregulated Inflow





**Highlights**

- Precipitation at the 8-Station is at 71% of normal
- Snow in the Northern Sierra is at 82% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 92% and 120% of normal
- The 2020 SWP allocation is 10%.



**2019 SWP Allocation**  
1,433,625 AF  
75% of Table A  
Statewide **96%**

**OROVILLE** 2.07 MAF  
**SAN LUIS** TOT: 1.26 MAF SWP: 871 TAF  
**CASTAIC** 255 TAF  
**DVL** 793 TAF

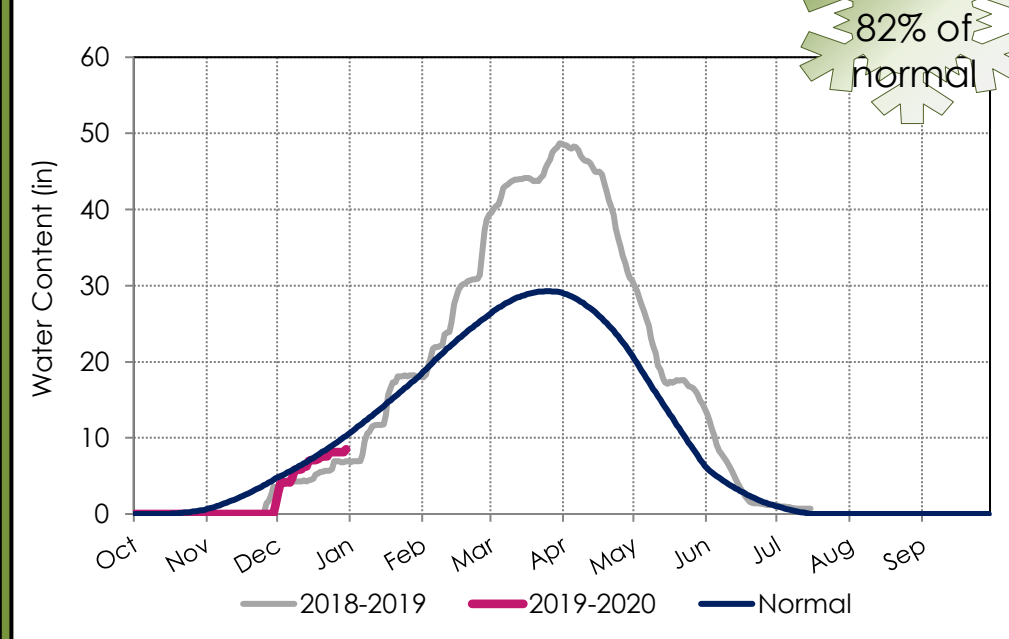
**LA: 7.0"**  
**SD: 6.8"**

**Legend:**  
Rainfall to Date (in) | WY Avg | % Normal WY to Date  
Capacity | Average EOM | Current Storage (% Capacity)

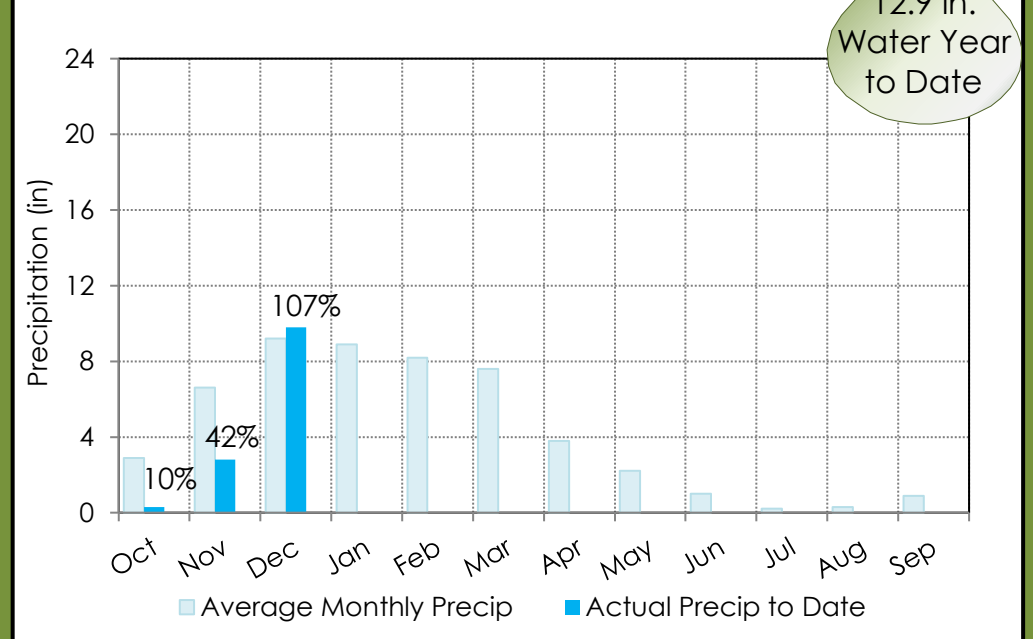
As of: 12/29/2019

# State Water Project Resources

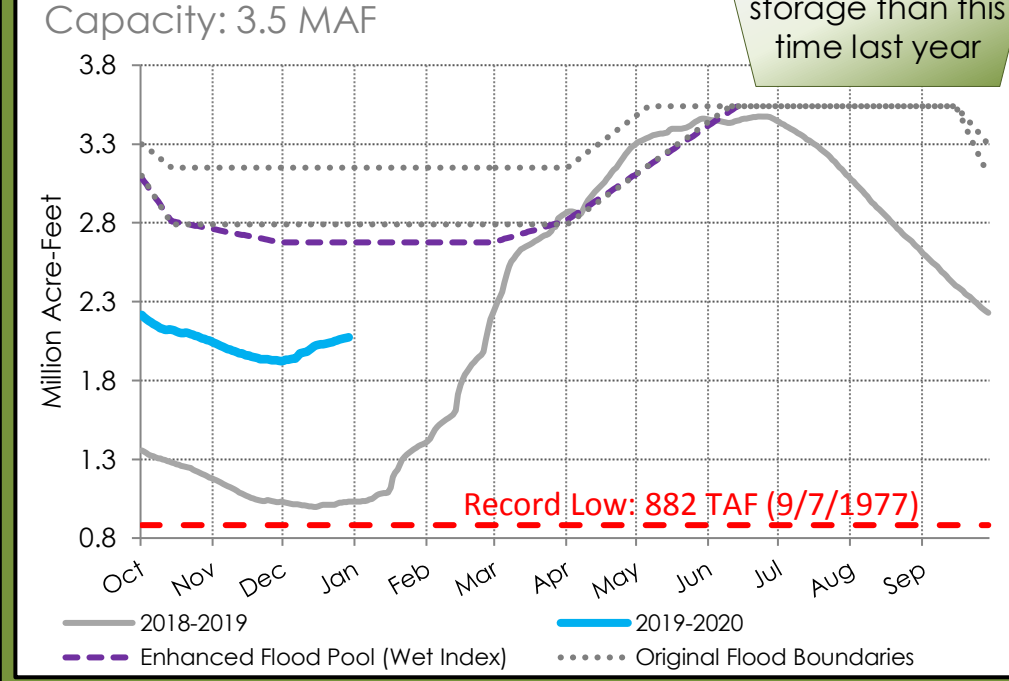
## Northern Sierra Snowpack



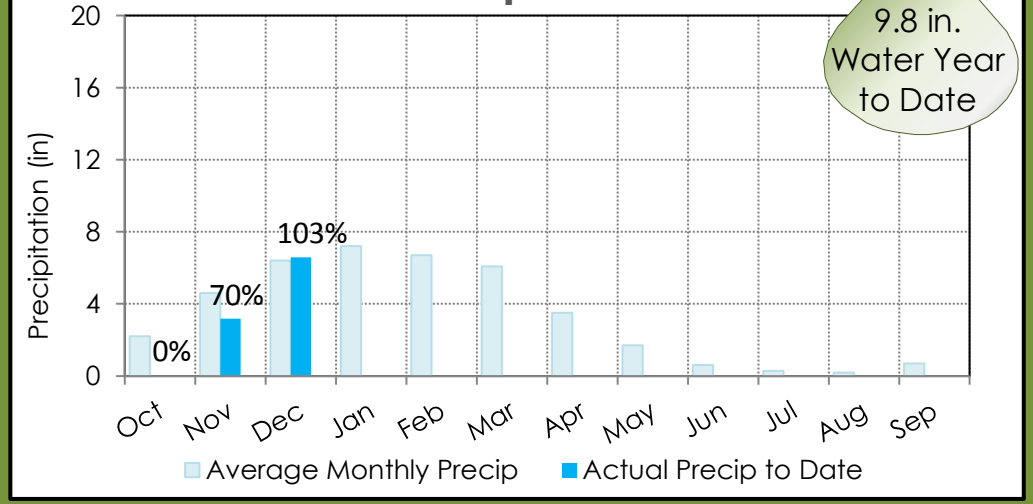
## 8 Station Index Precip



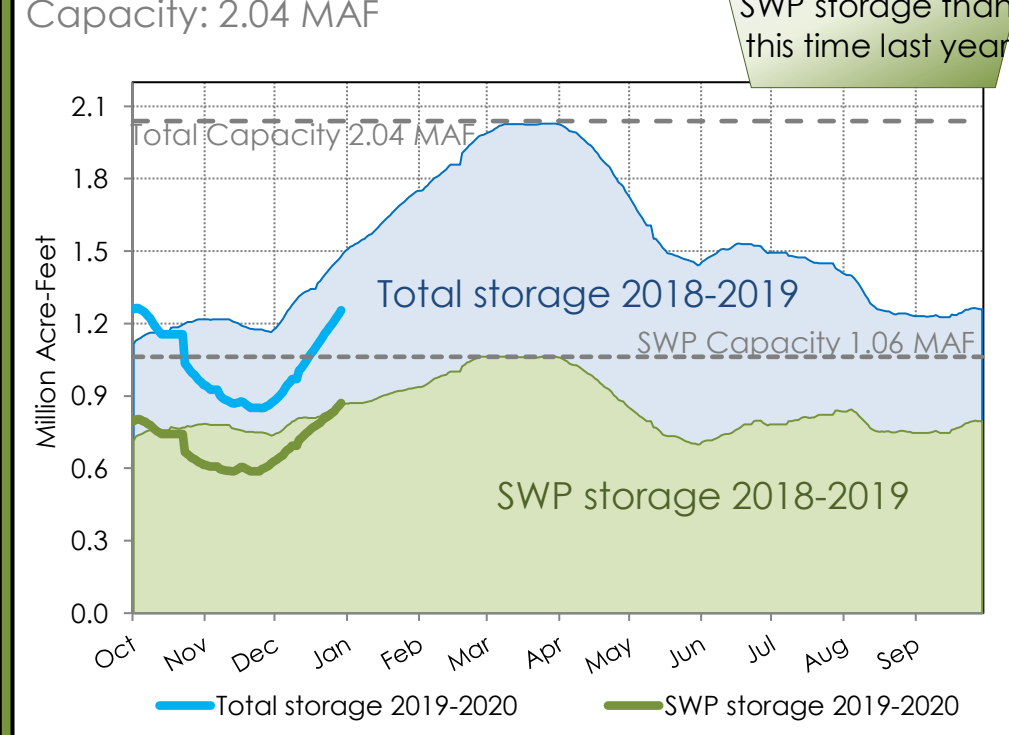
## Oroville Reservoir Storage



## 5 Station Index Precip



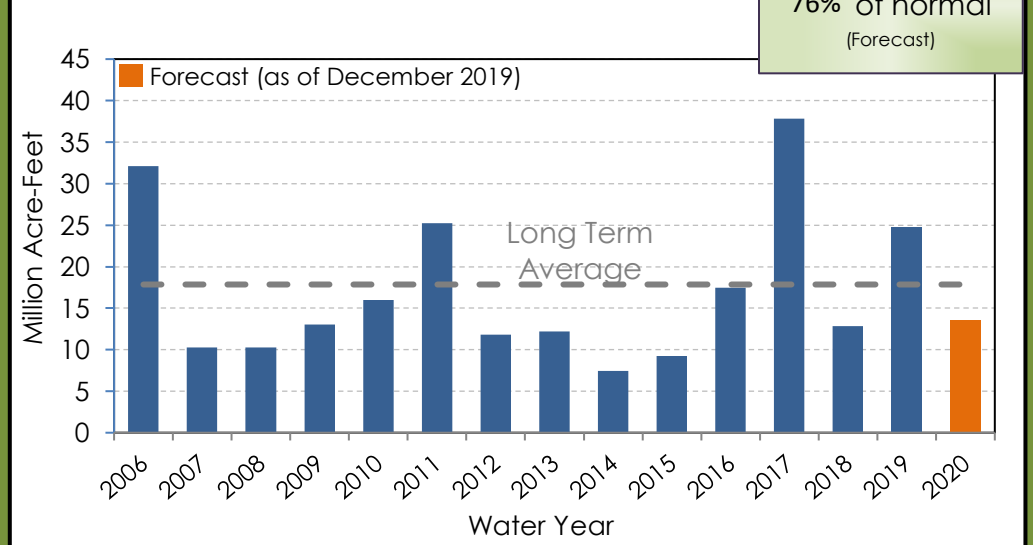
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

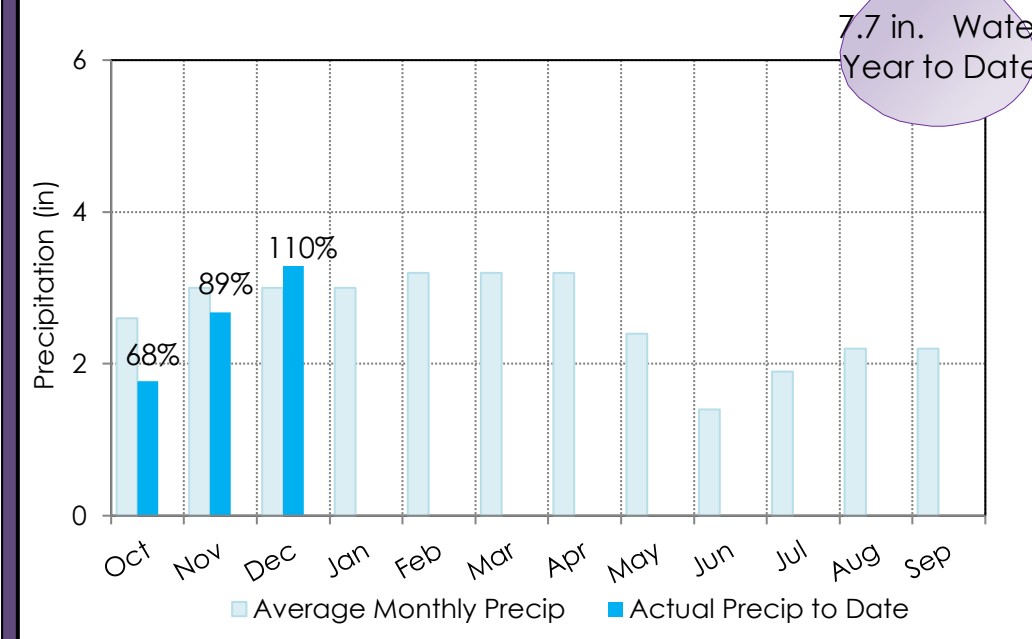
## Sacramento River Runoff



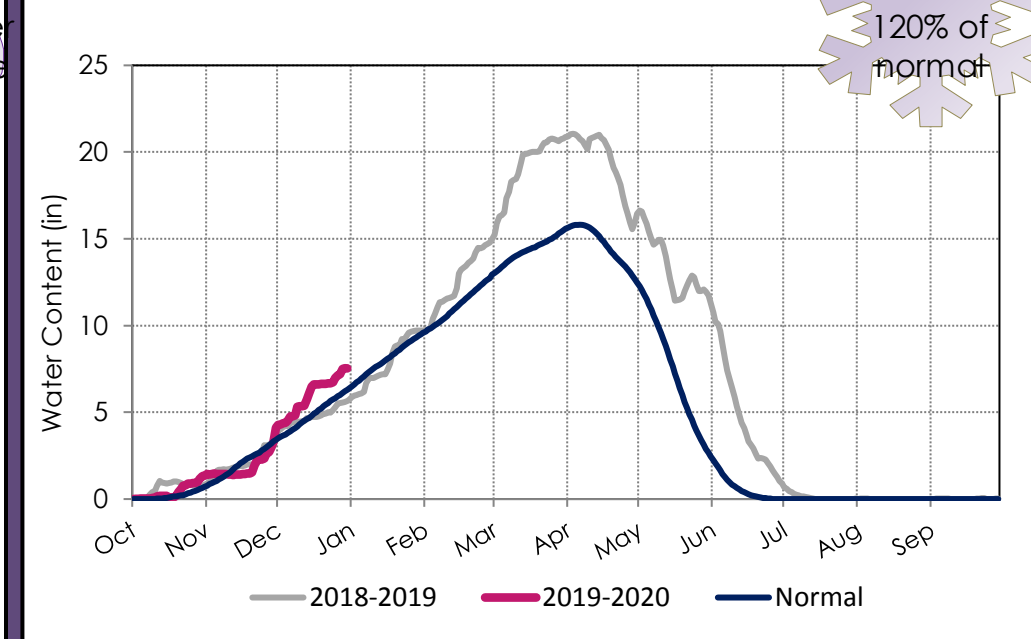
# Colorado River Resources

As of: 12/29/2019

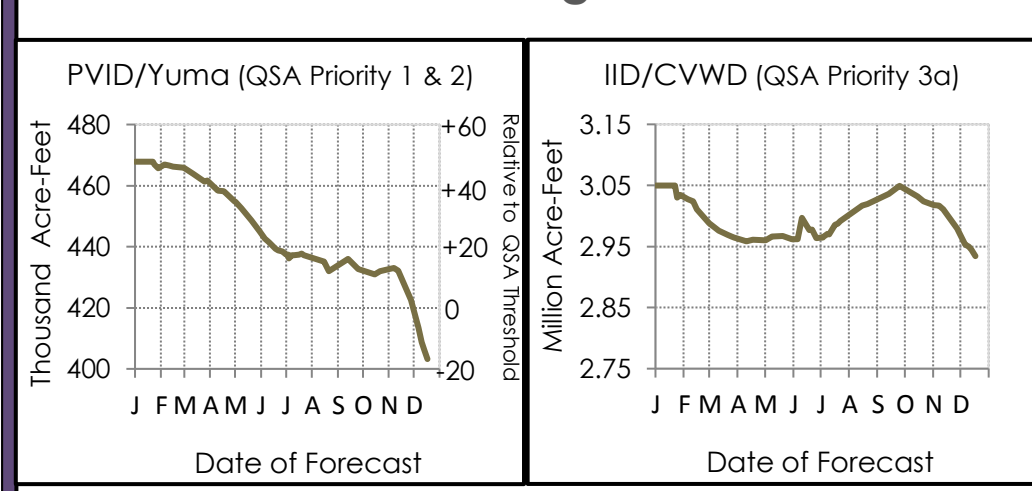
## Upper Colorado Basin Precip



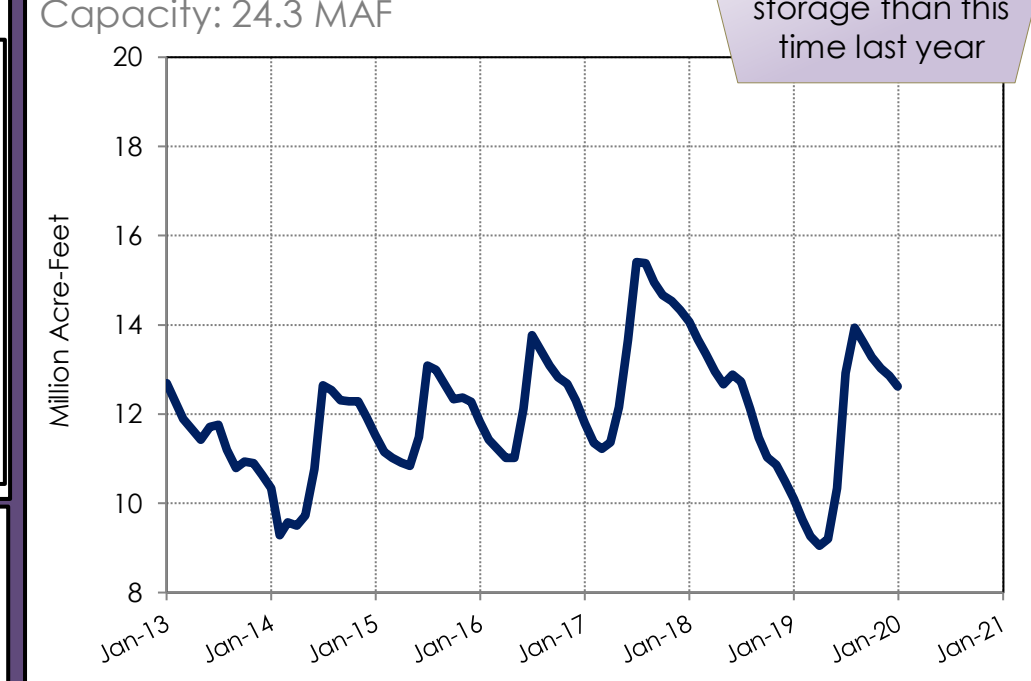
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

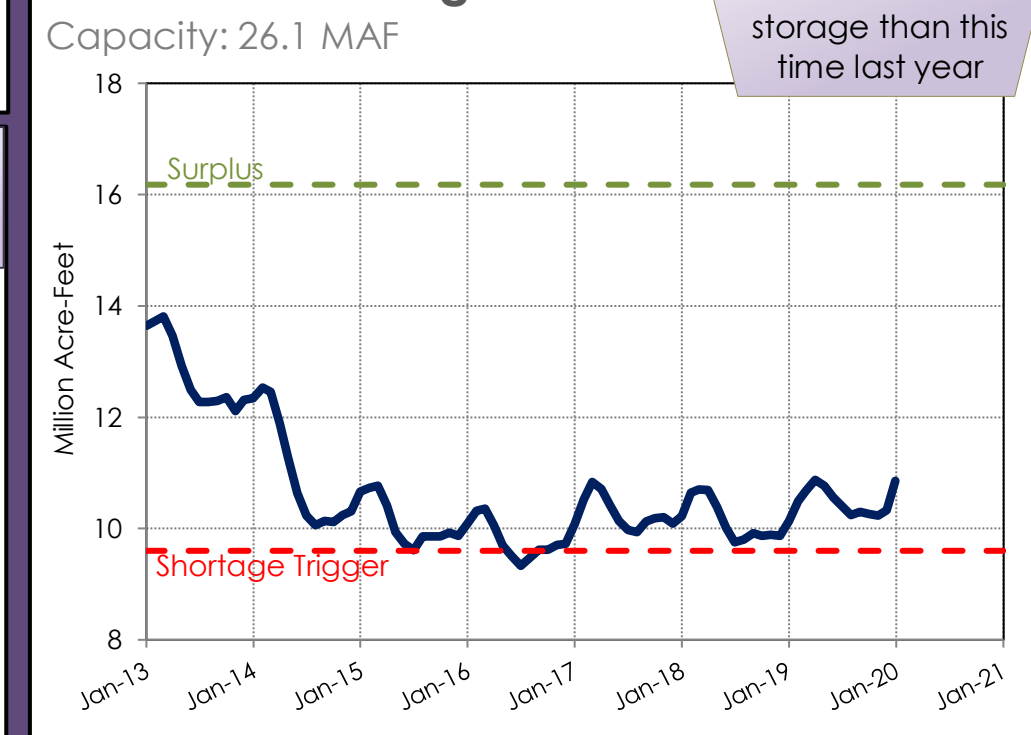


## Lake Mead Shortage/Surplus Outlook

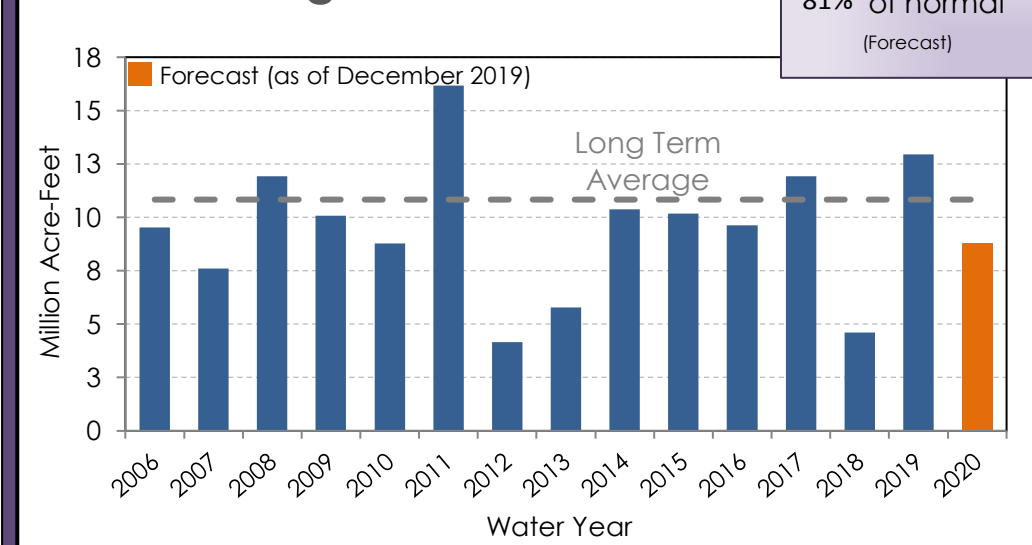
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

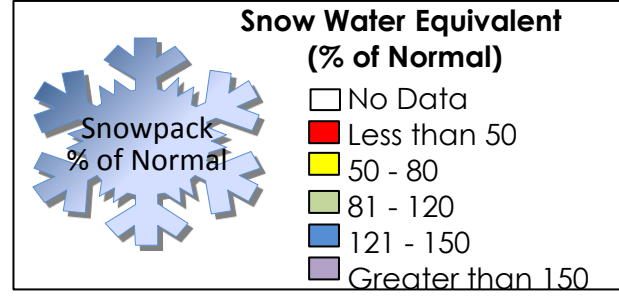
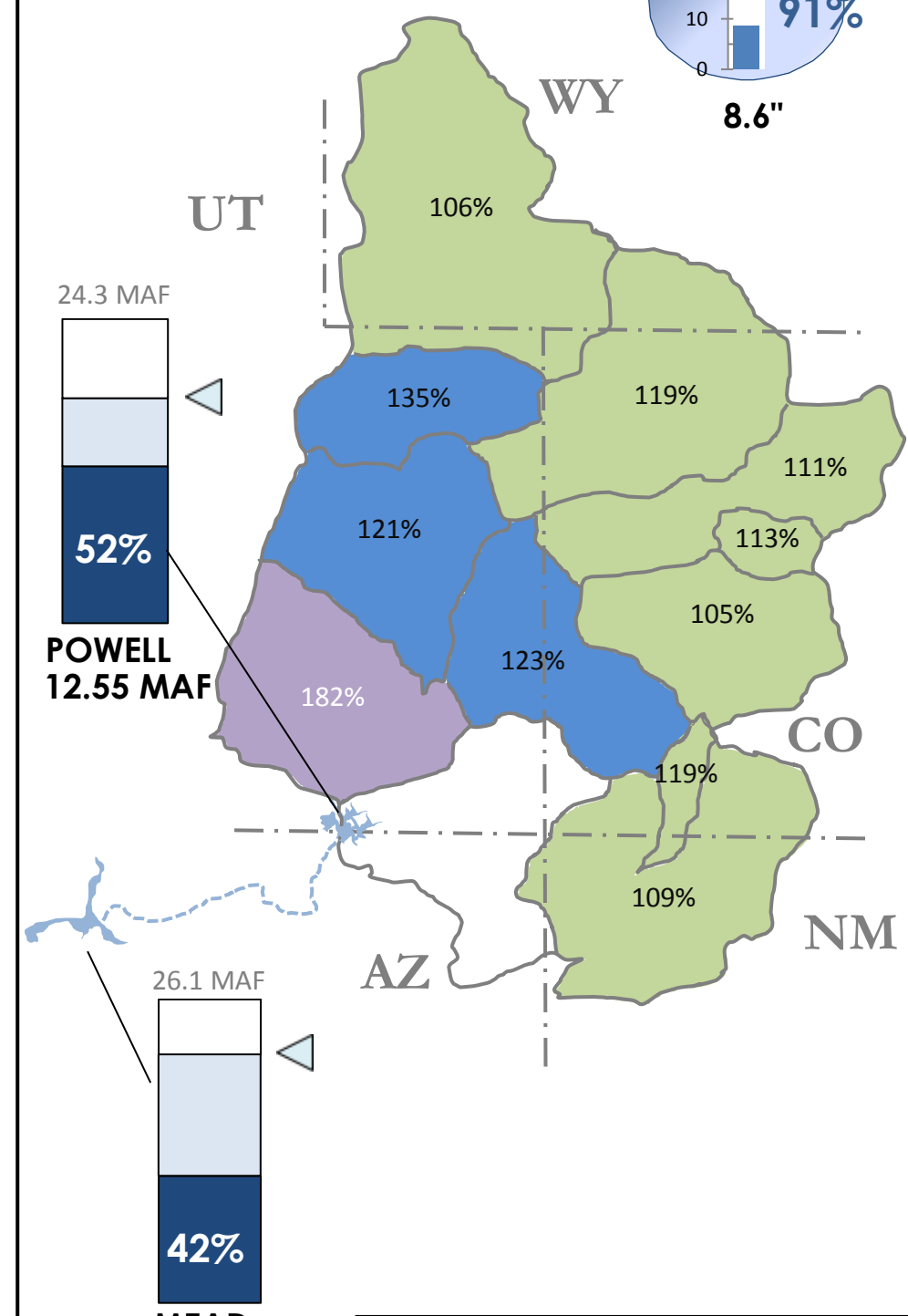
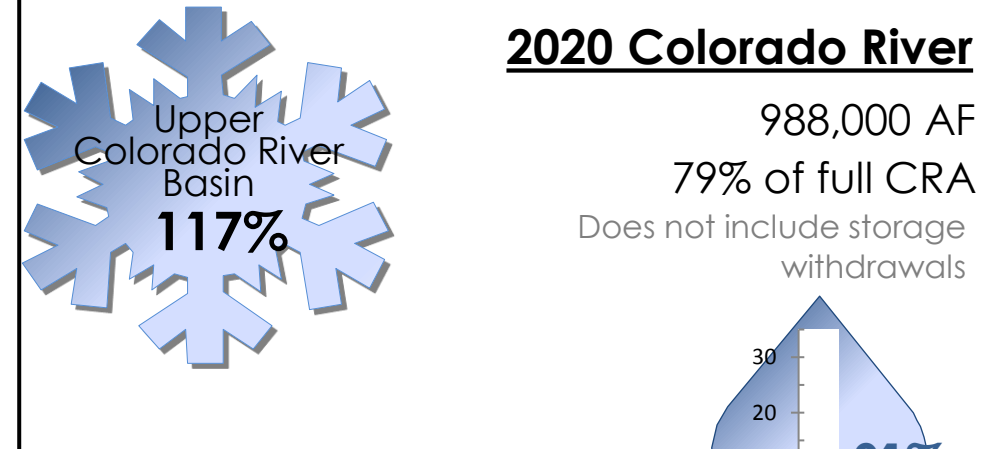
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



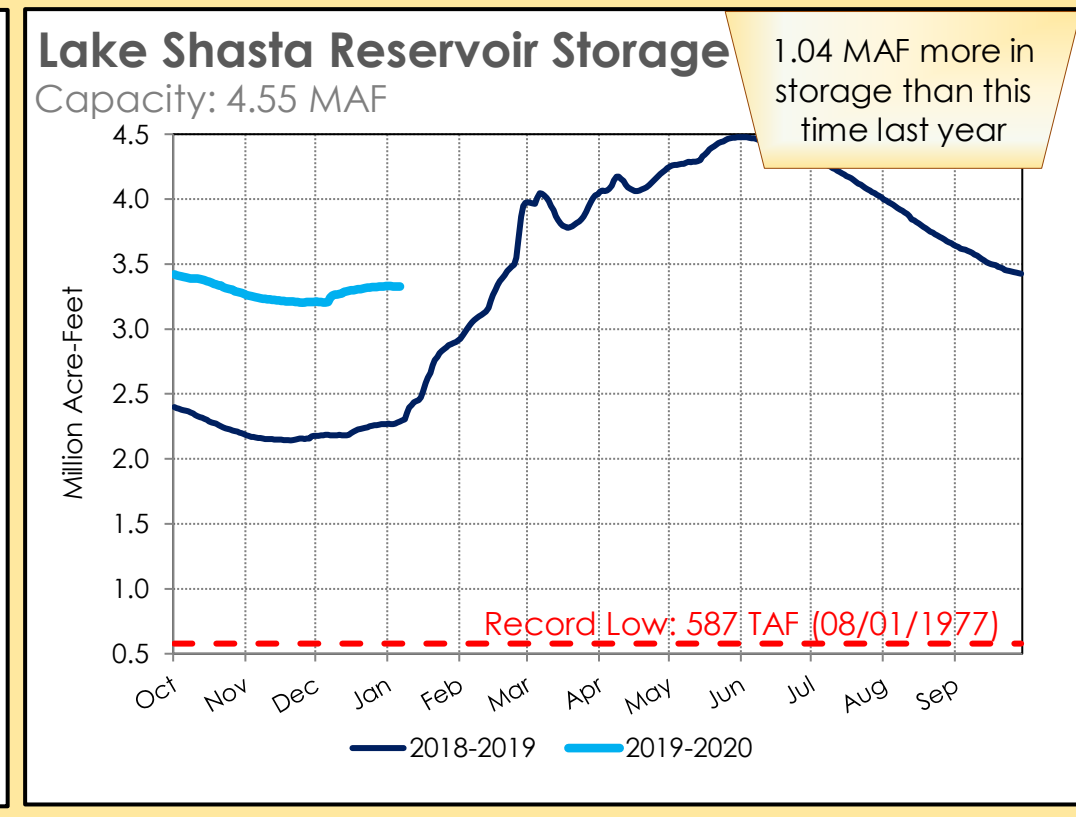
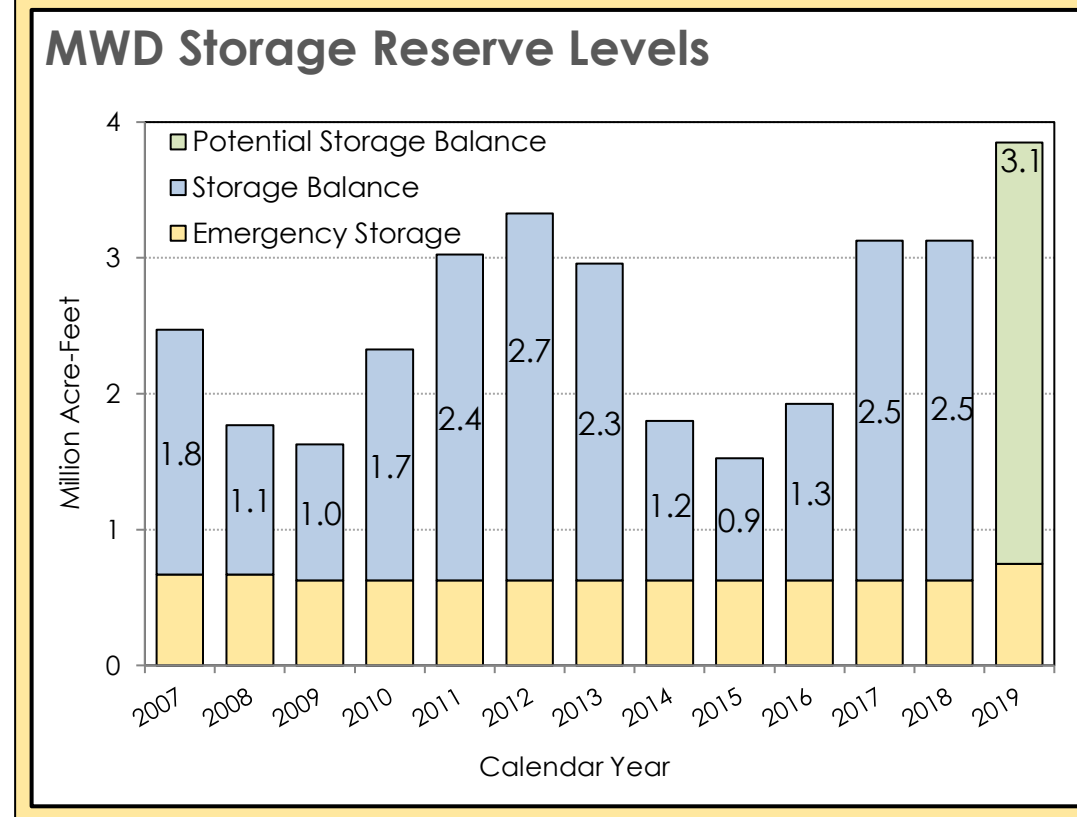
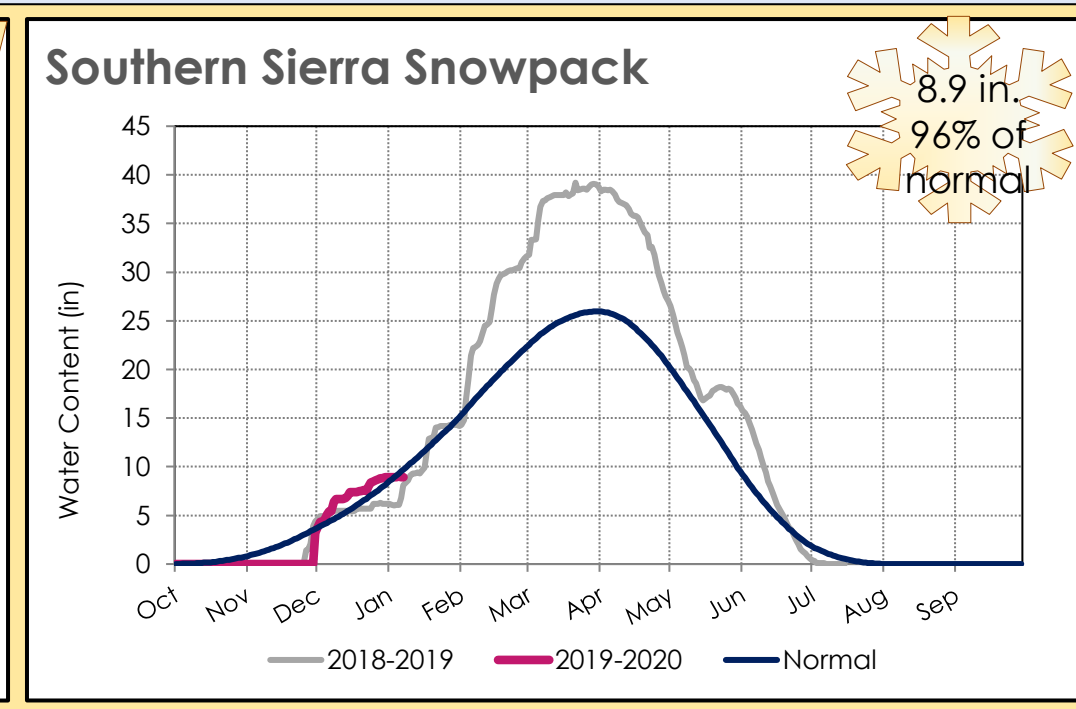
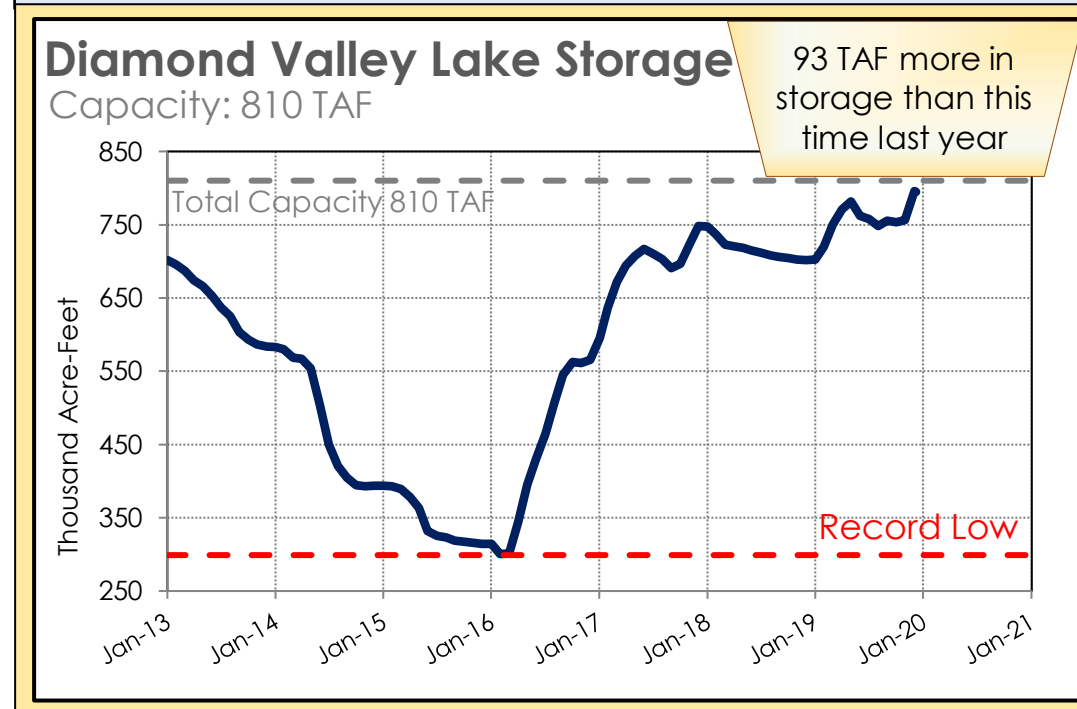
## Powell Unregulated Inflow





**Highlights**

- Precipitation at the 8-Station is at 64% of normal
- Snow in the Northern Sierra is at 73% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 91% and 117% of normal



This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale.  
<http://www.mwdh2o.com/WSCR>  
This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters. Questions? Email mferreira@mwdh2o.com

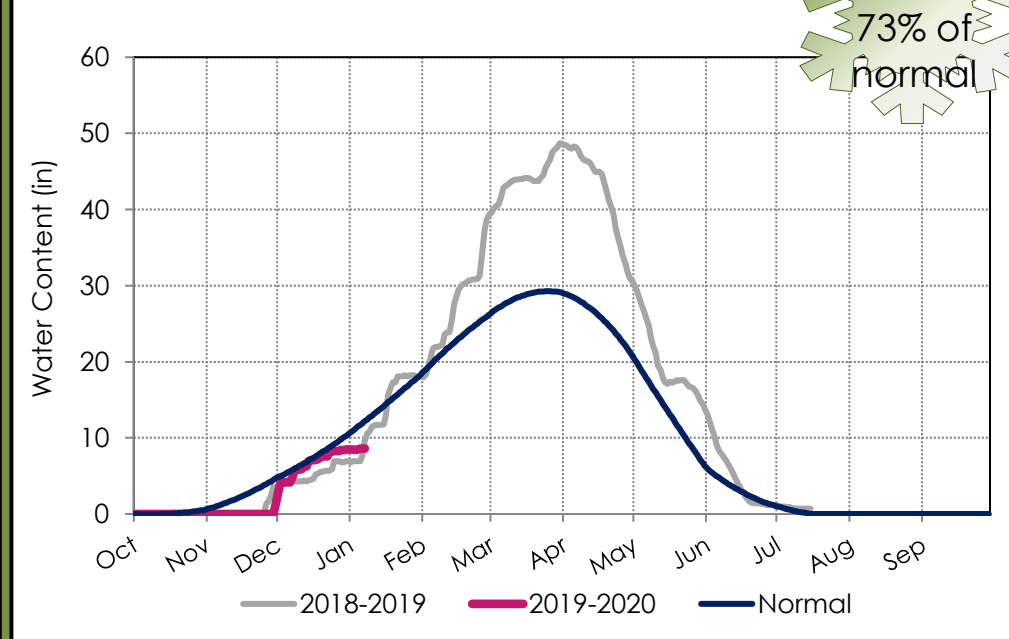
**2020 SWP Allocation**  
191,150 AF  
10% of Table A  
Statewide **83%**

**Legend:**  
Rainfall to Date (in) | WY Avg | % Normal WY to Date  
Capacity | Average EOM | Current Storage (% Capacity)

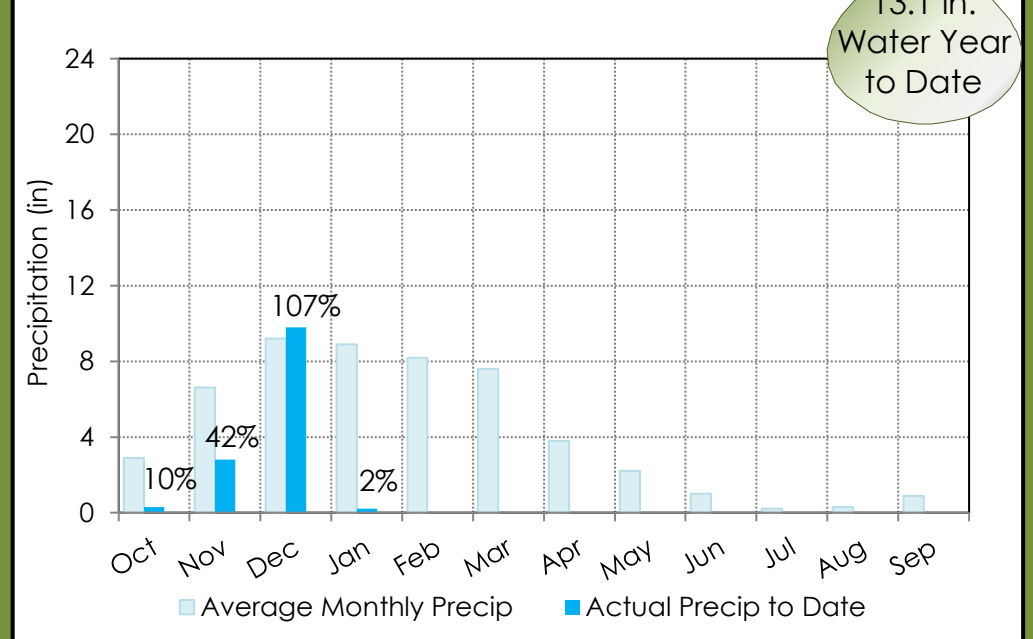
As of: 01/06/2020

# State Water Project Resources

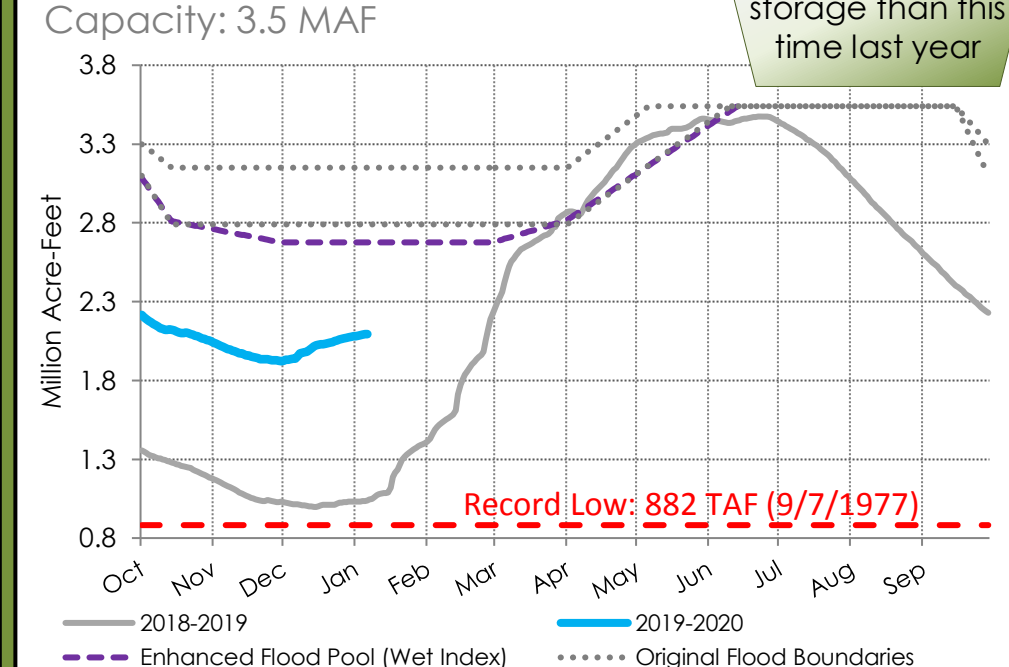
## Northern Sierra Snowpack



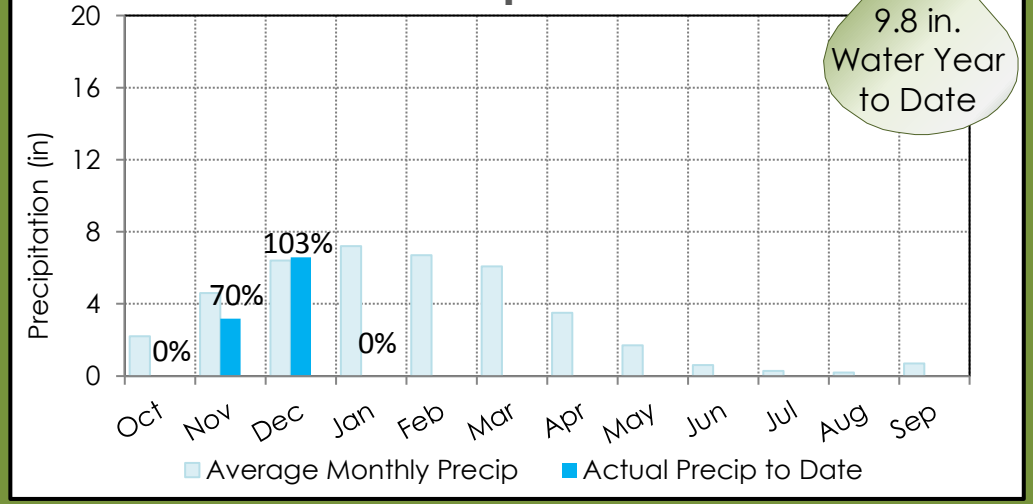
## 8 Station Index Precip



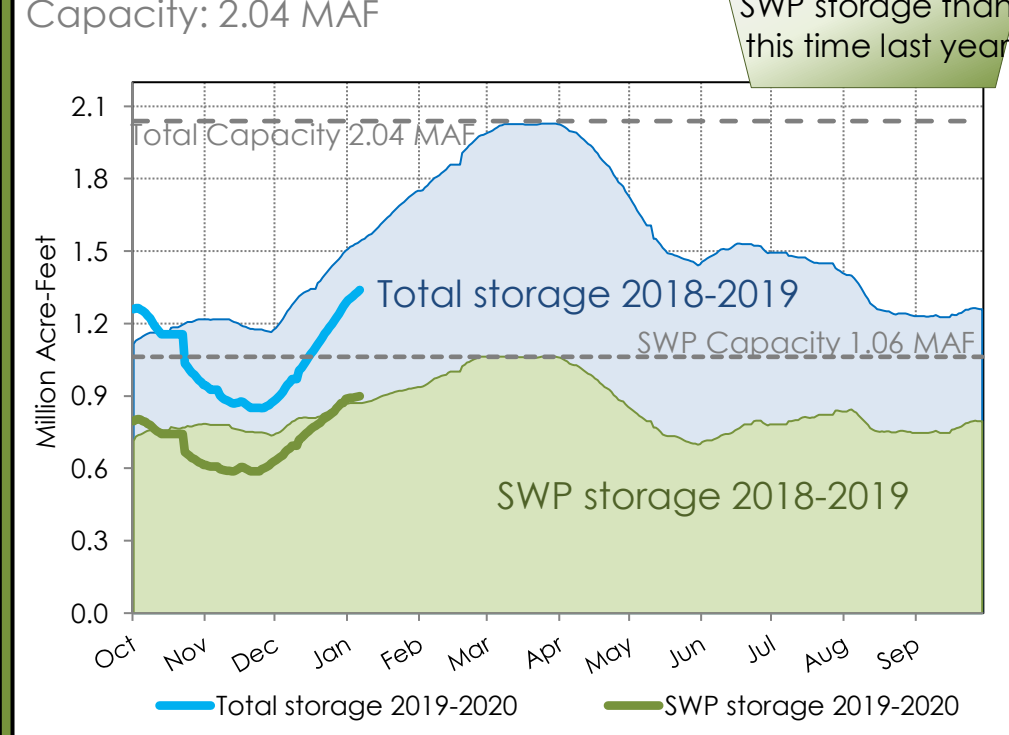
## Oroville Reservoir Storage



## 5 Station Index Precip



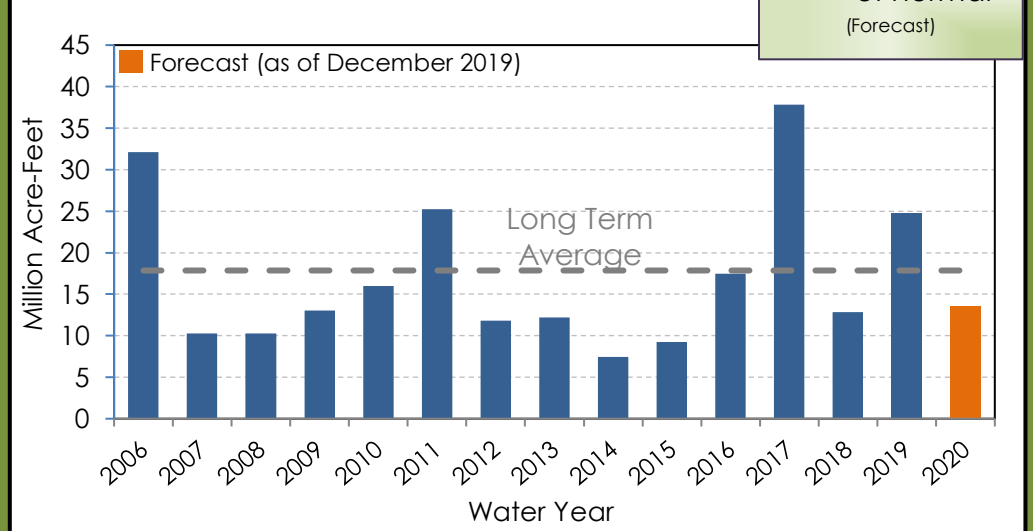
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

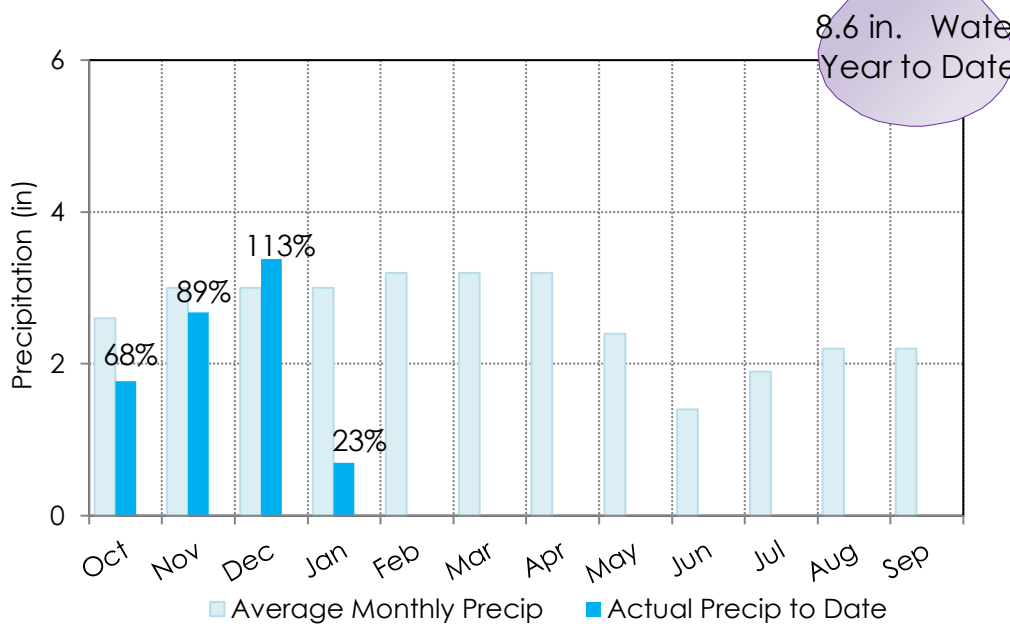
## Sacramento River Runoff



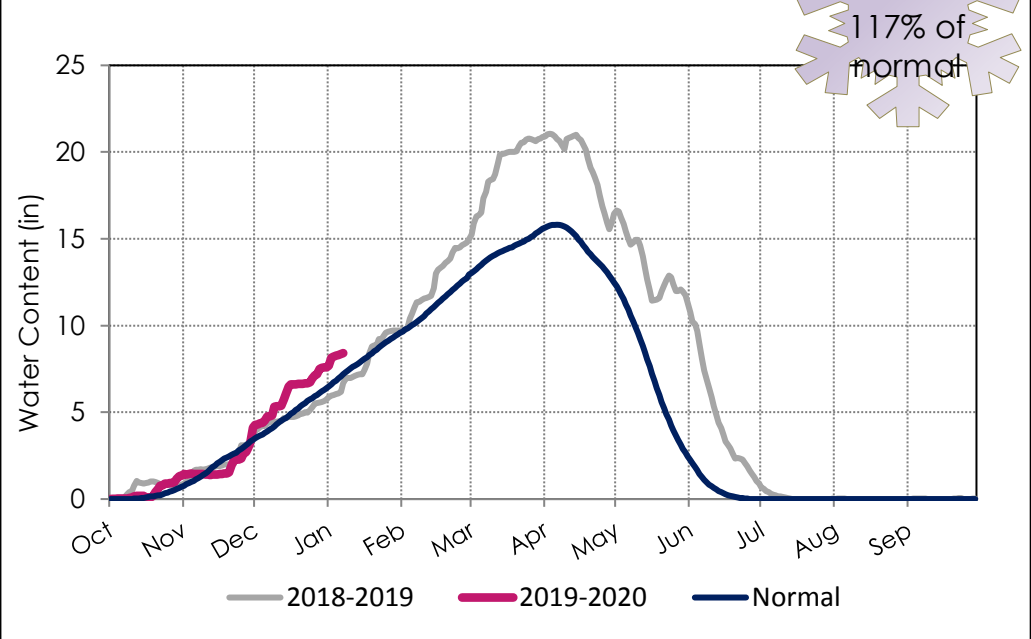
# Colorado River Resources

As of: 01/06/2020

## Upper Colorado Basin Precip



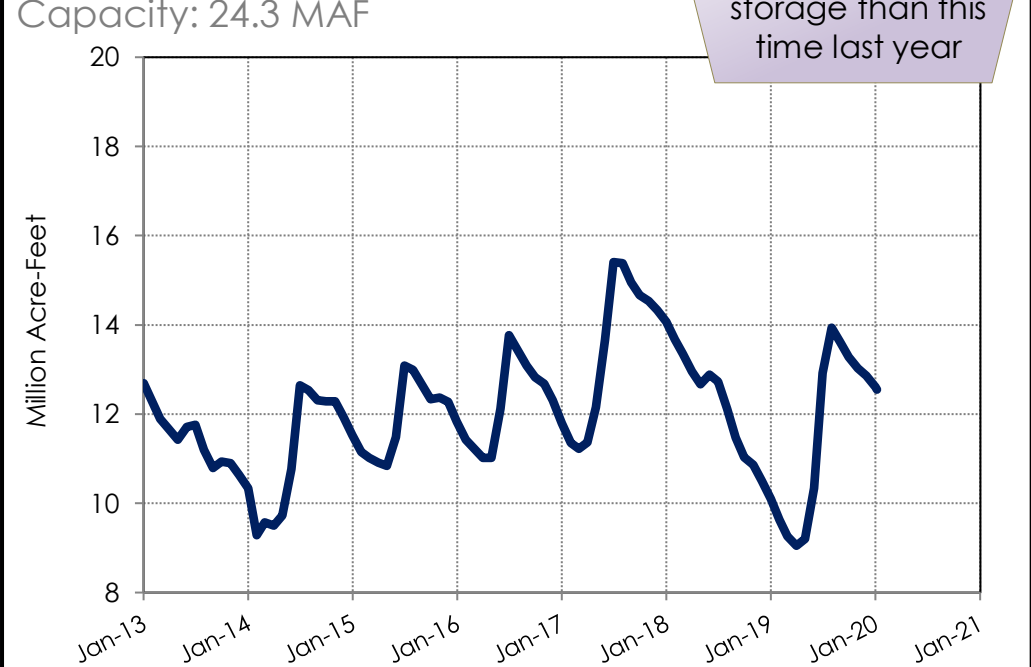
## Upper Colorado Basin Snowpack



## 2020 Colorado River Ag Use

Chart Pending

## Lake Powell Storage

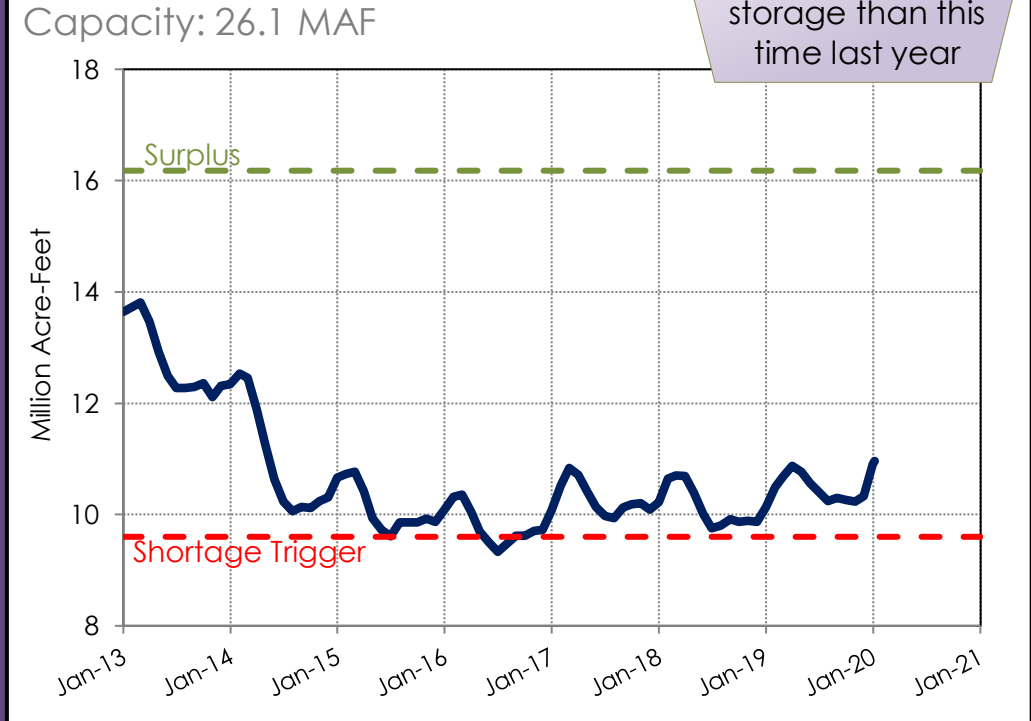


## Lake Mead Shortage/Surplus Outlook

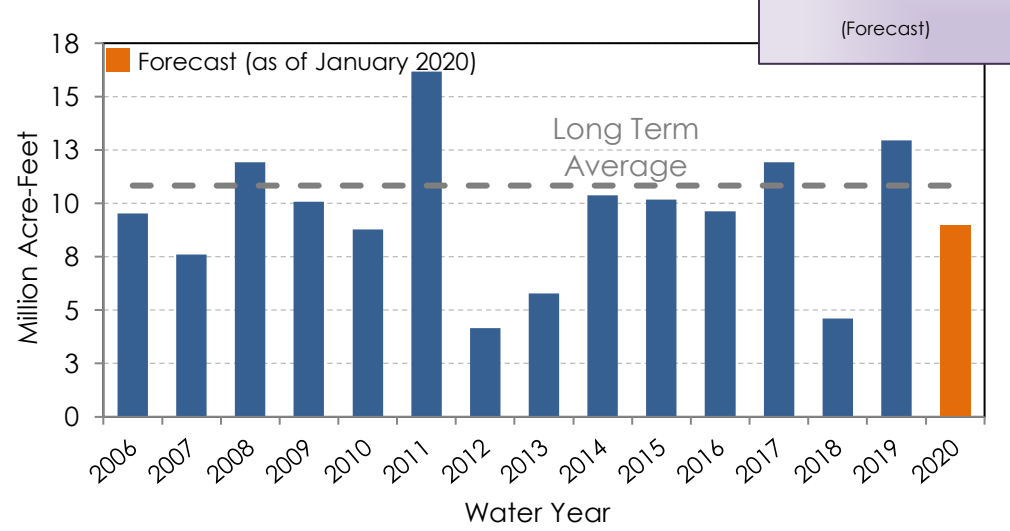
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

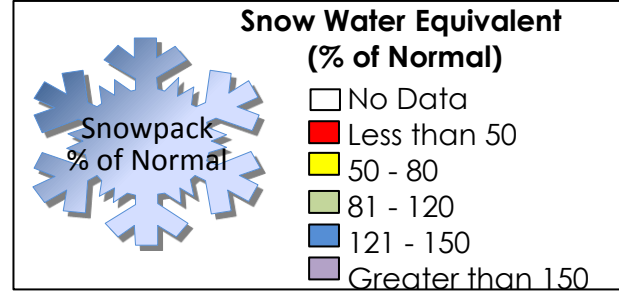
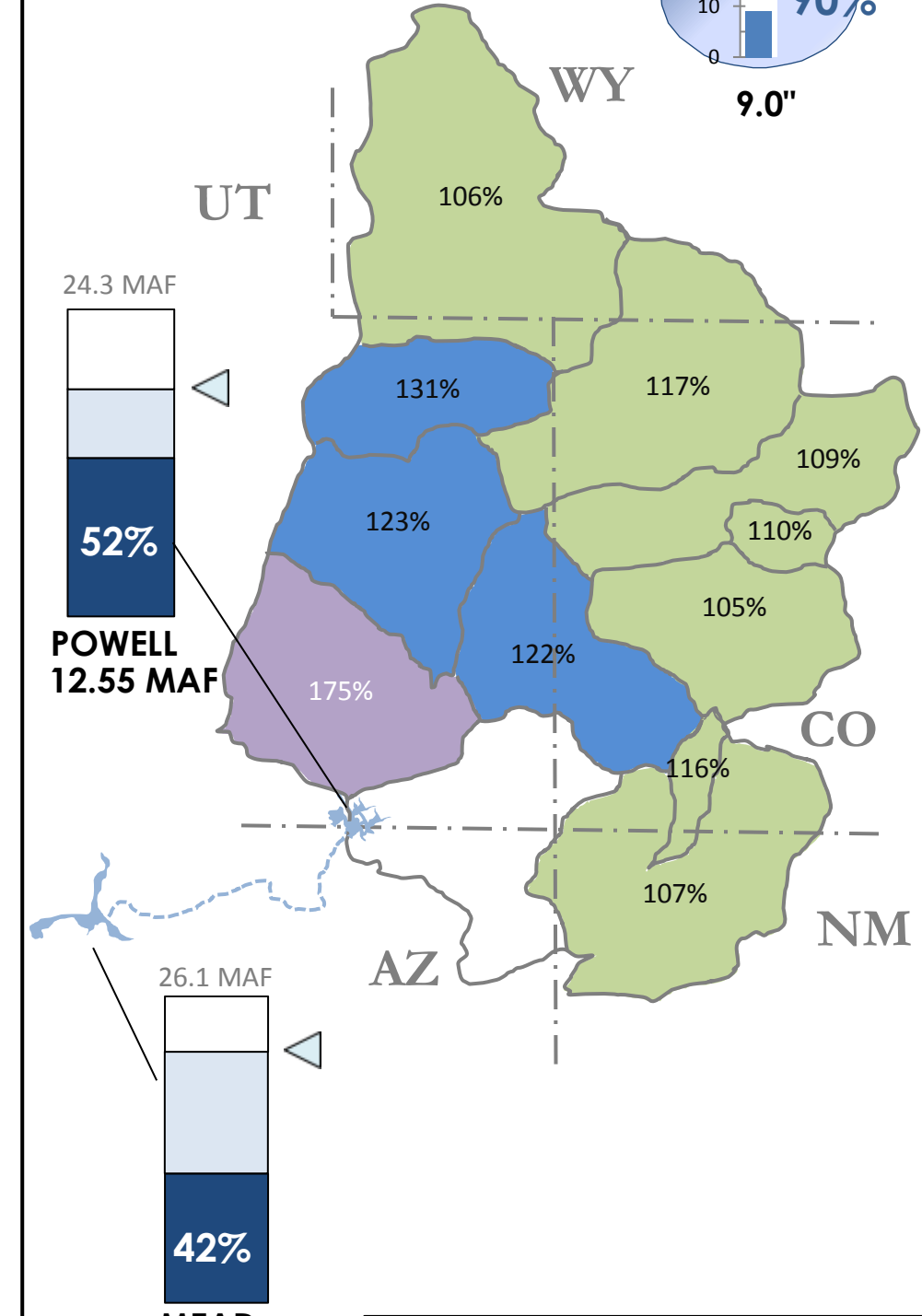
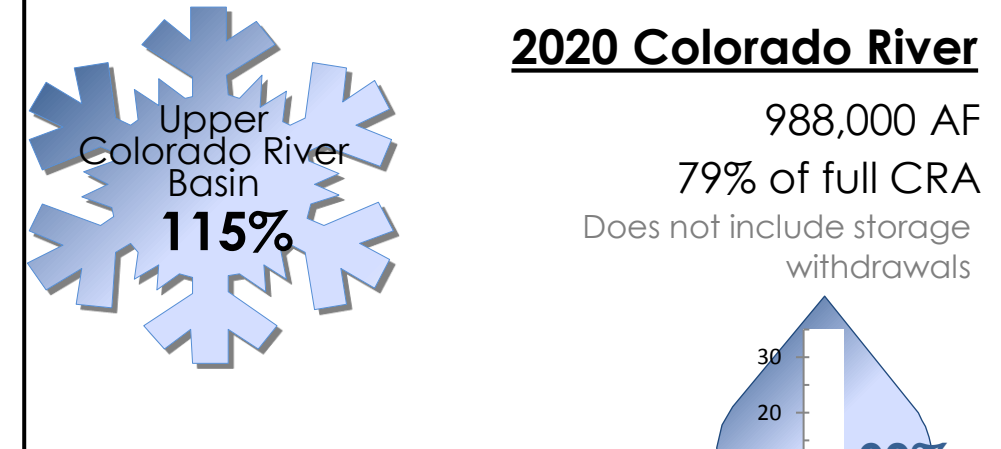
## Lake Mead Storage



## Powell Unregulated Inflow

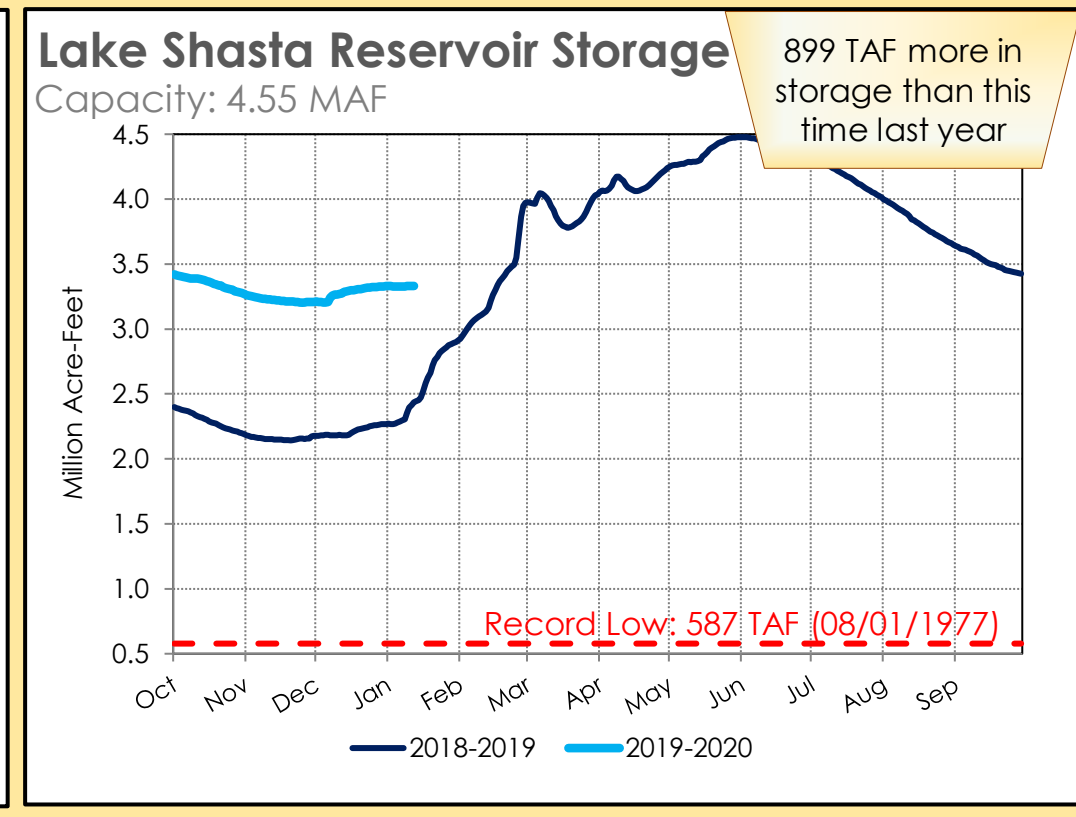
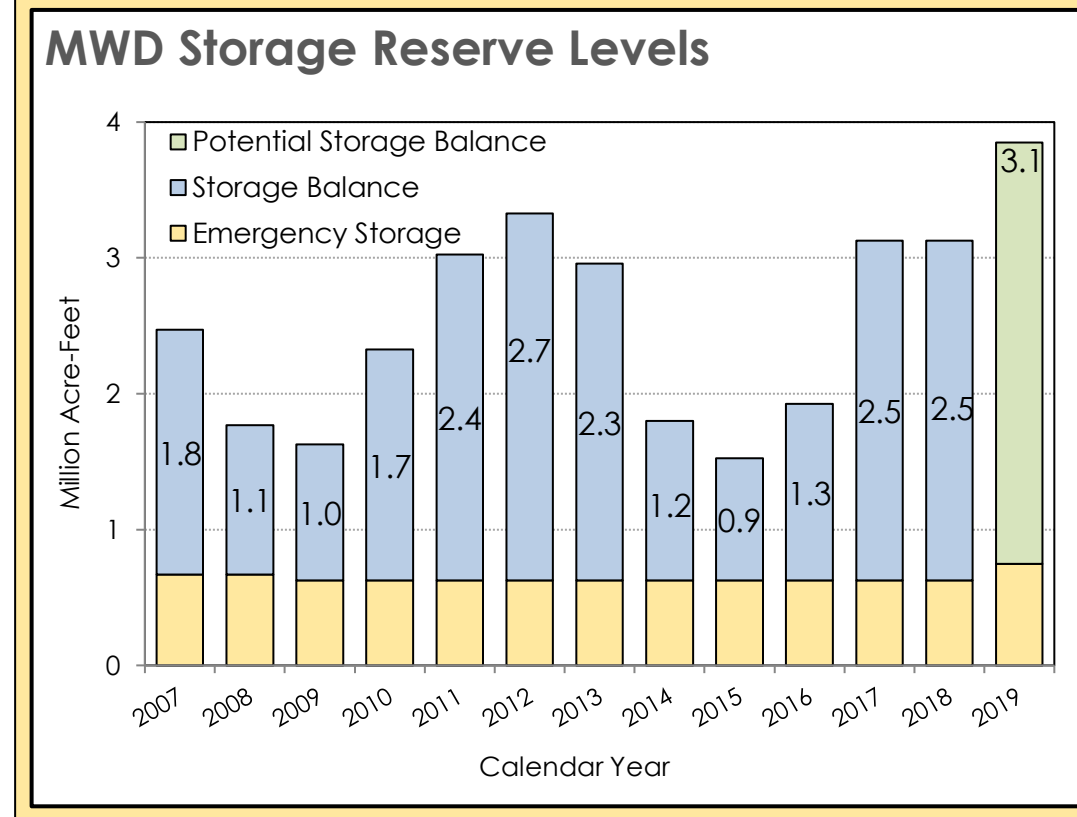
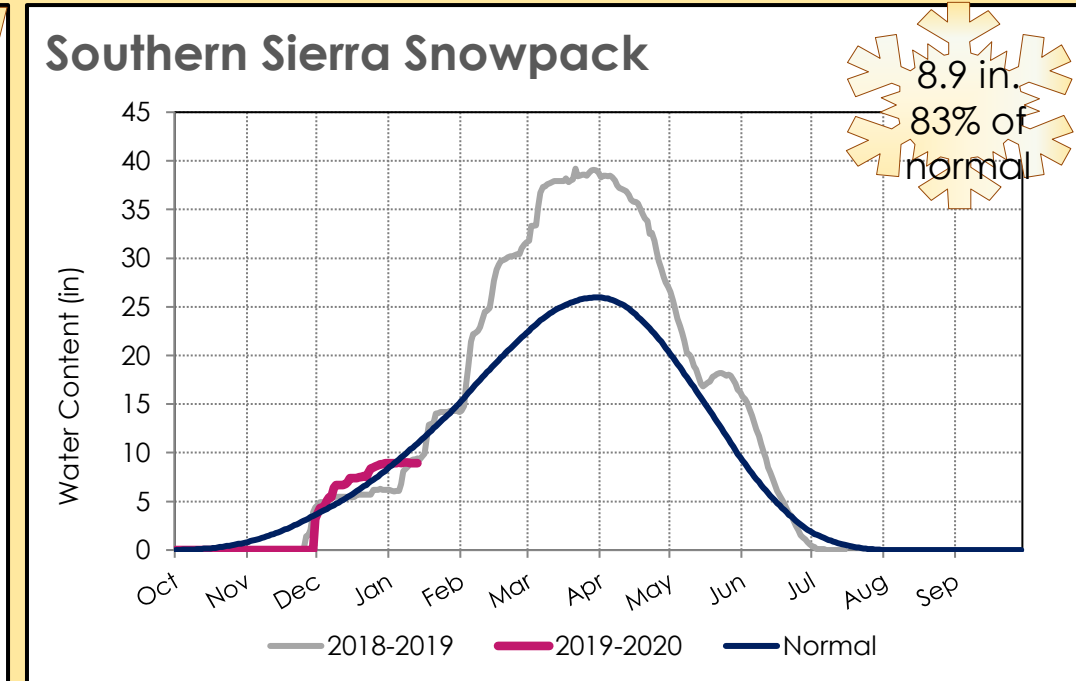
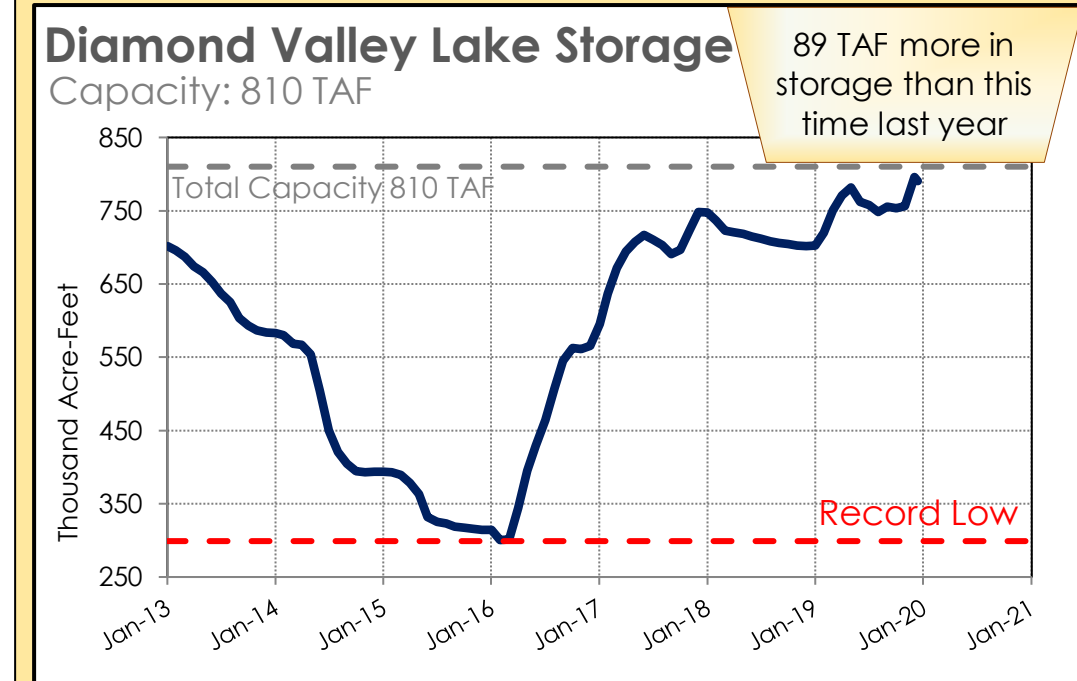






**Highlights**

- Precipitation at the 8-Station is at 61% of normal
- Snow in the Northern Sierra is at 70% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 90% and 115% of normal



**2020 SWP Allocation**  
191,150 AF  
10% of Table A

Statewide **75%**

OROVILLE 2.11 MAF  
**60%**

SAN LUIS TOT: 1.39 MAF  
SWP: 922 TAF

Northern Sierra **70%**

Southern Sierra **83%**

5 STA: 9.9"

LA: 7.0" **154%**

SD: 6.8" **186%**

CASTAIC 243 TAF  
**75%**

DVL 791 TAF  
**98%**

8 STA: 13.6" **61%**

WY Avg

Capacity  
Average EOM  
Current Storage (% Capacity)

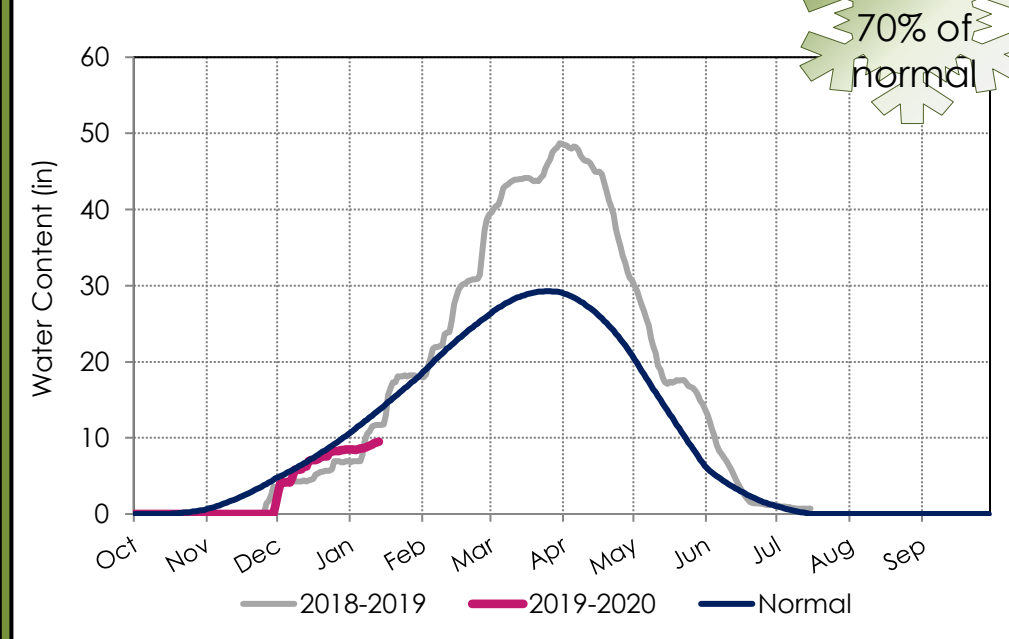
WY Avg  
% Normal WY to Date  
Rainfall to Date (in)

Flip Over for CRA Data      Turn page for more SWP Data

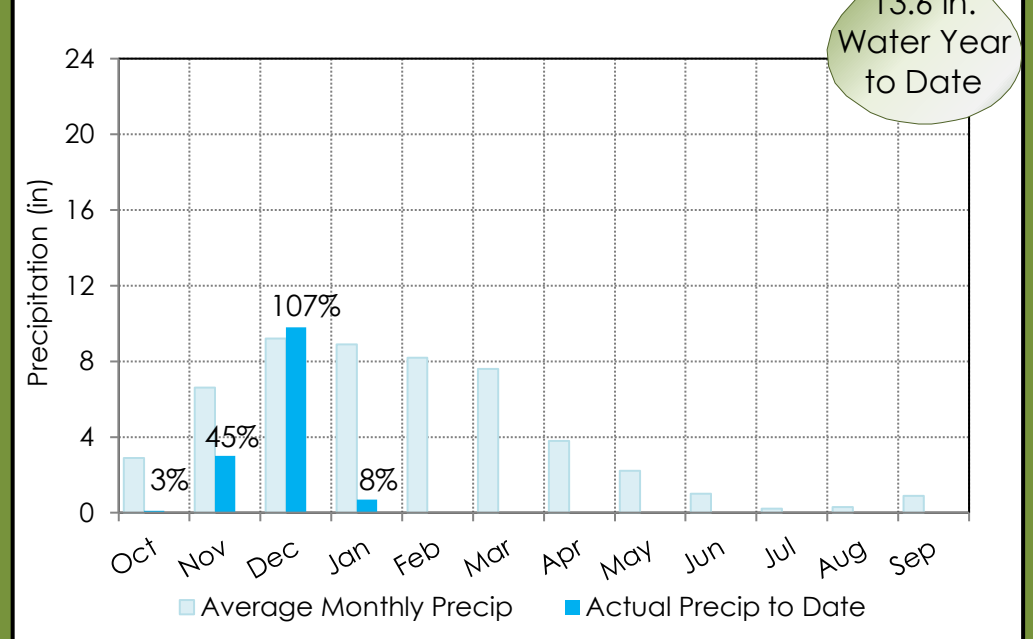
As of: 01/12/2020

# State Water Project Resources

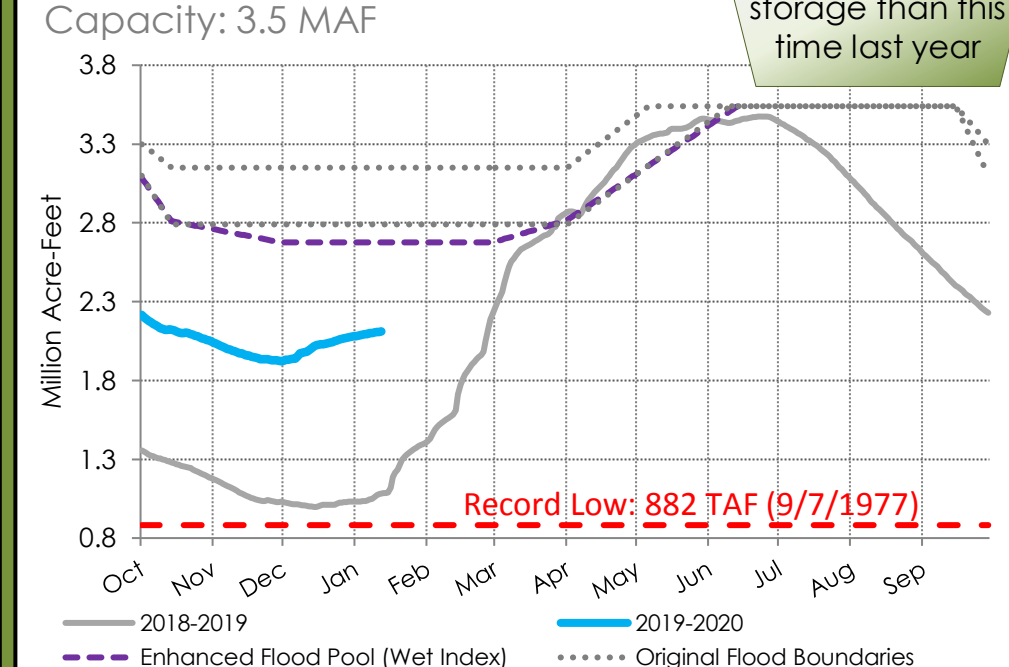
## Northern Sierra Snowpack



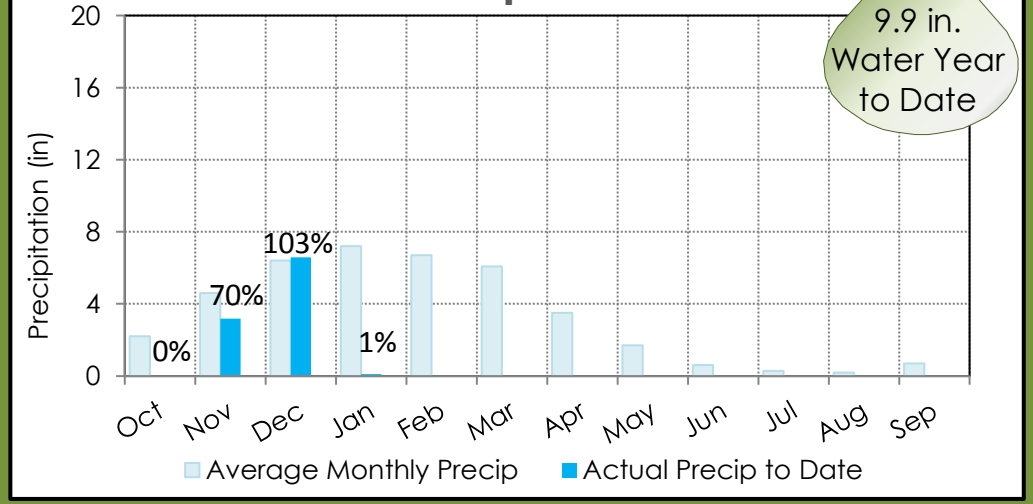
## 8 Station Index Precip



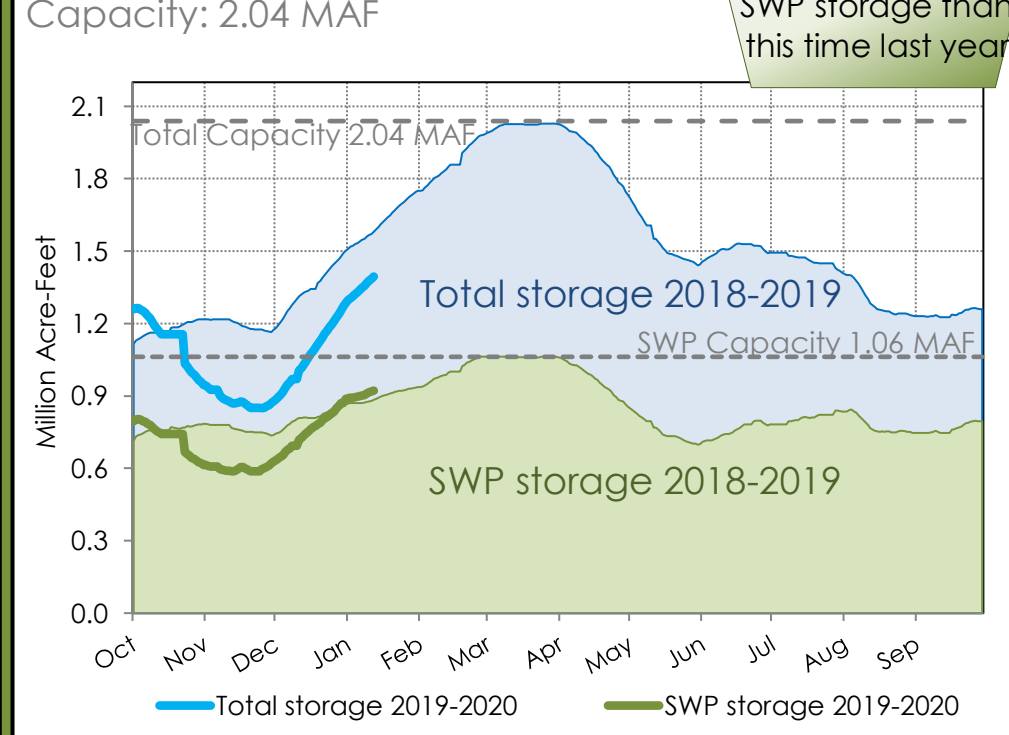
## Oroville Reservoir Storage



## 5 Station Index Precip



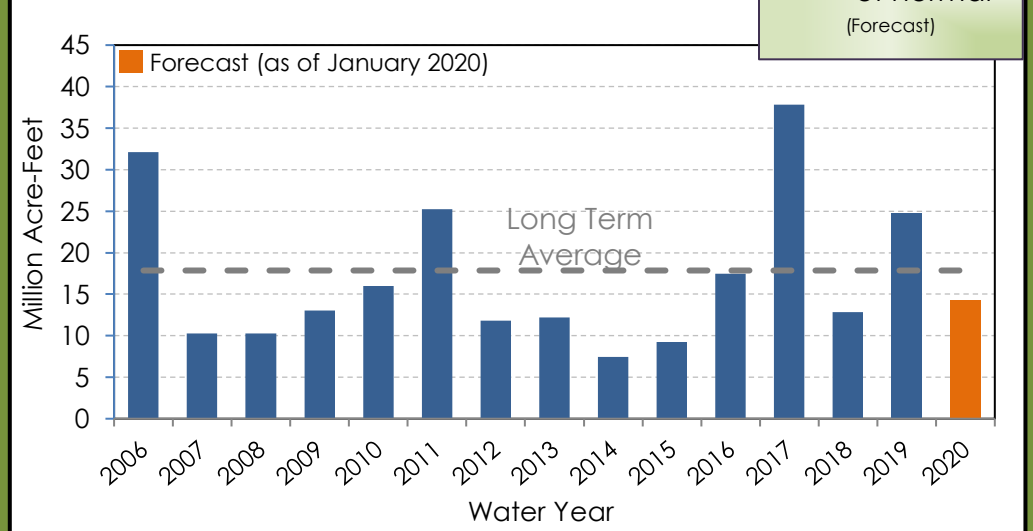
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

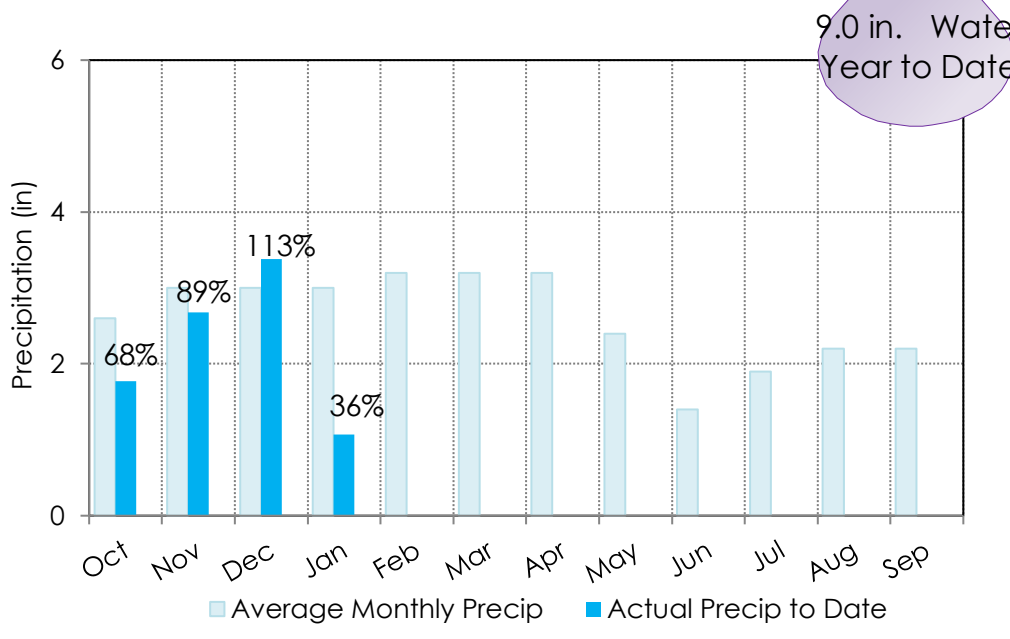
## Sacramento River Runoff



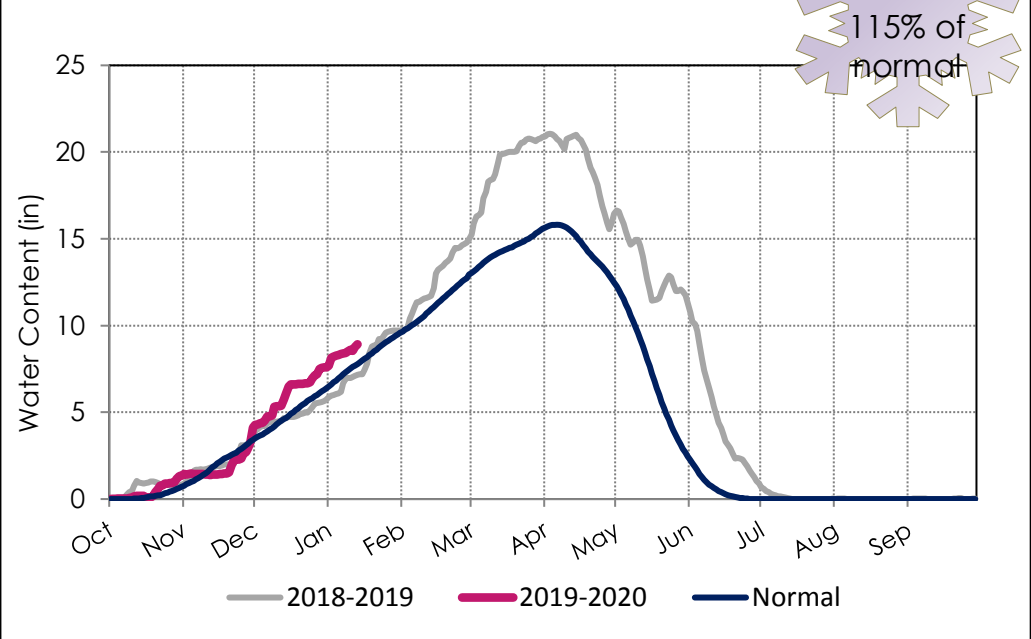
# Colorado River Resources

As of: 01/12/2020

## Upper Colorado Basin Precip



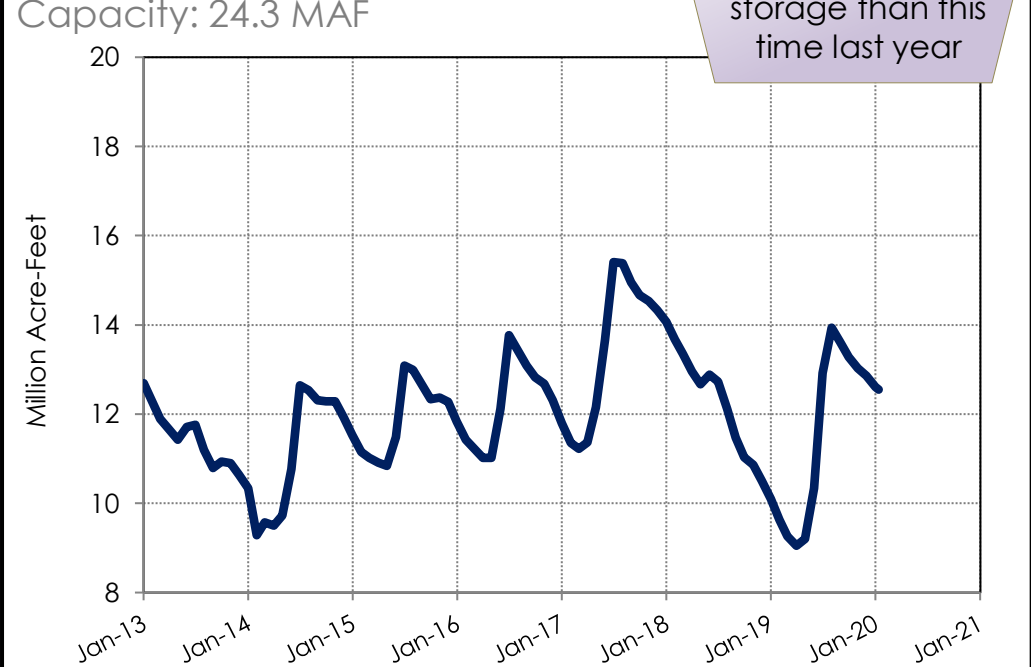
## Upper Colorado Basin Snowpack



## 2020 Colorado River Ag Use

Chart Pending

## Lake Powell Storage

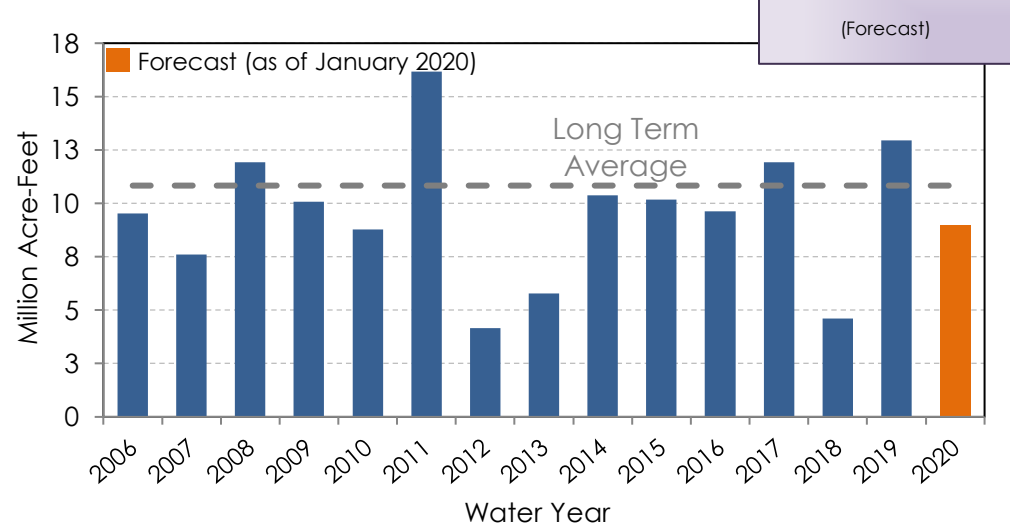


## Lake Mead Shortage/Surplus Outlook

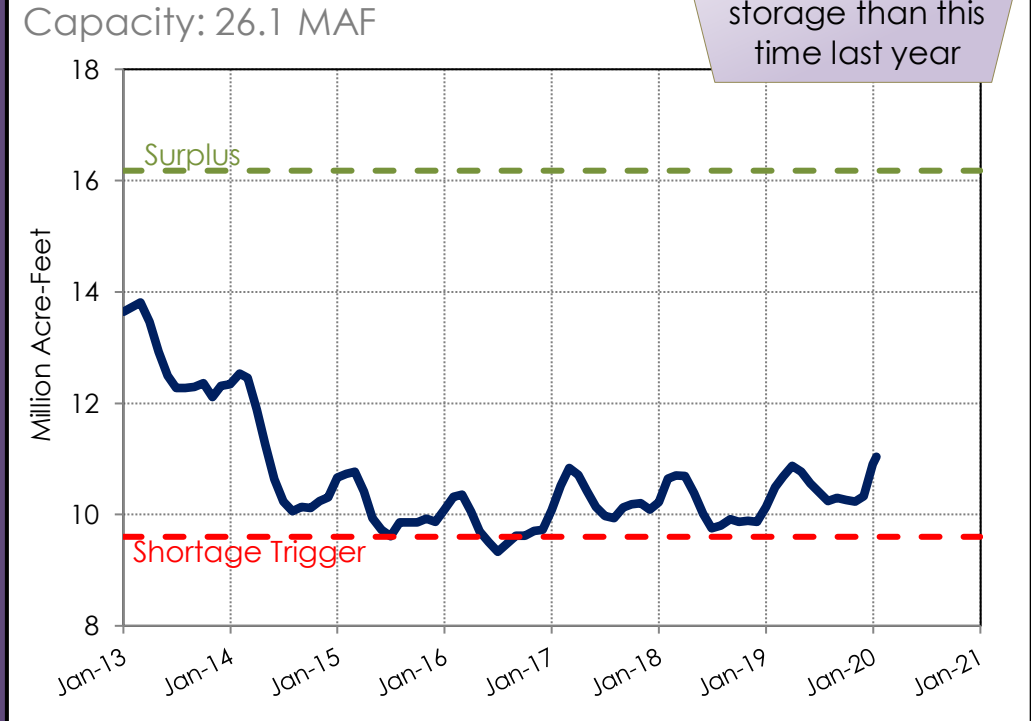
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

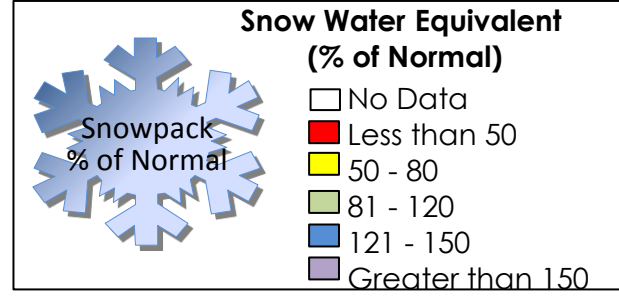
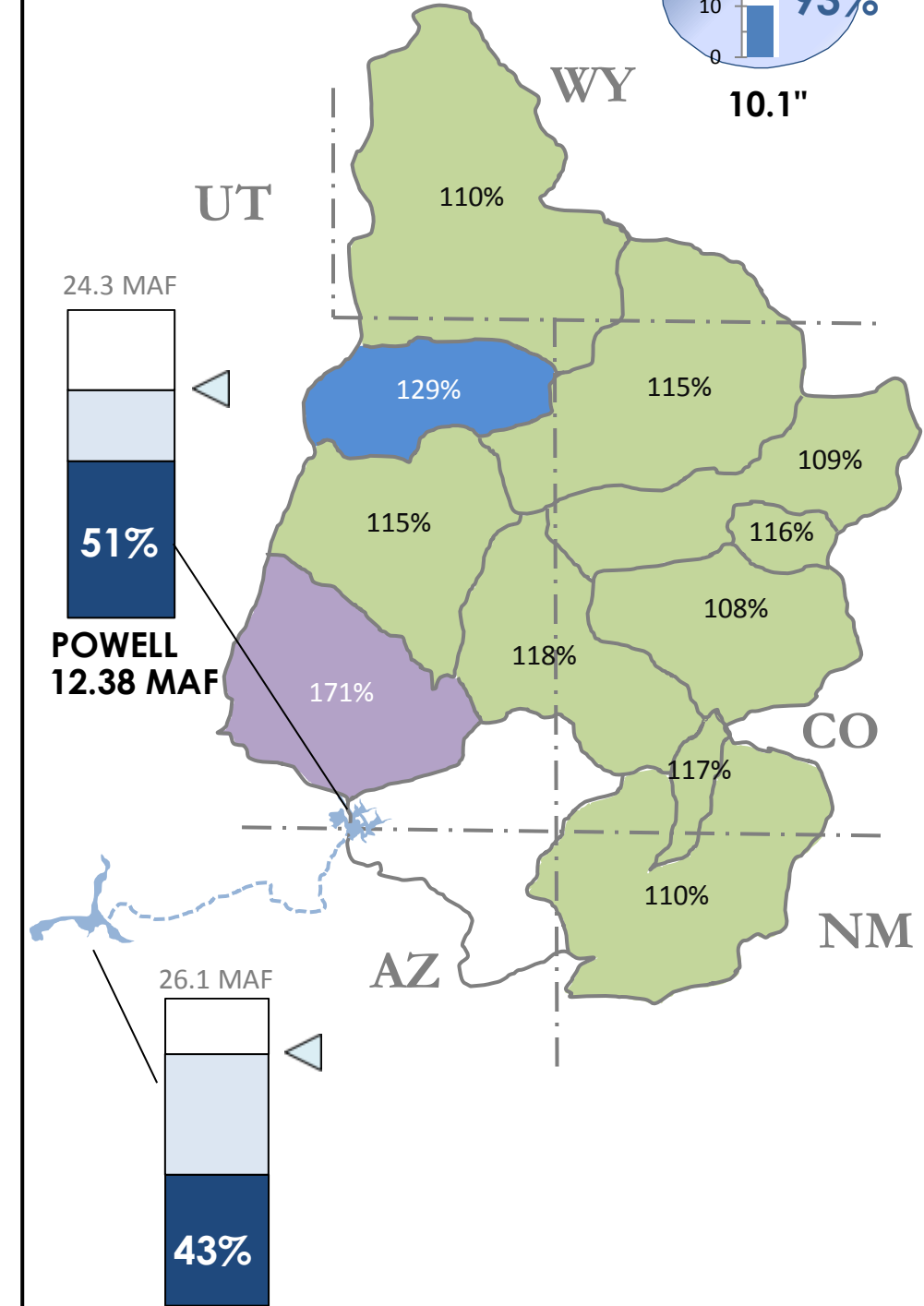
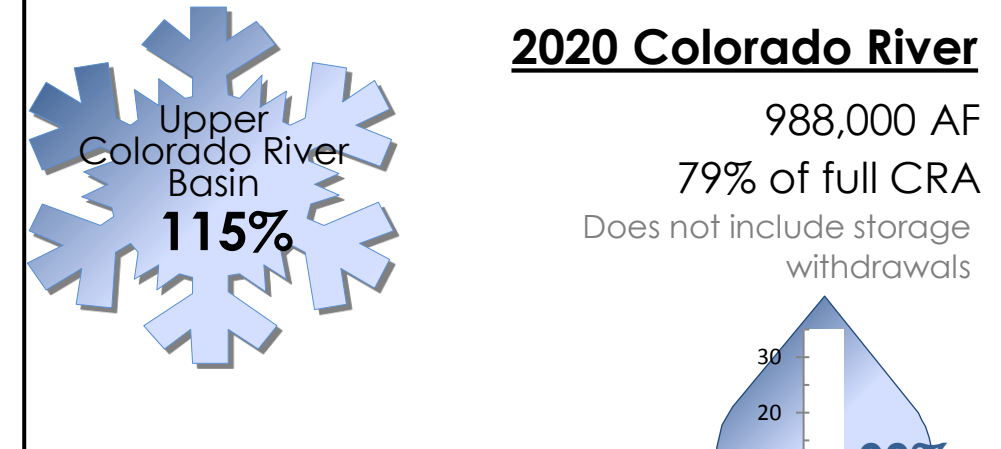
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Powell Unregulated Inflow



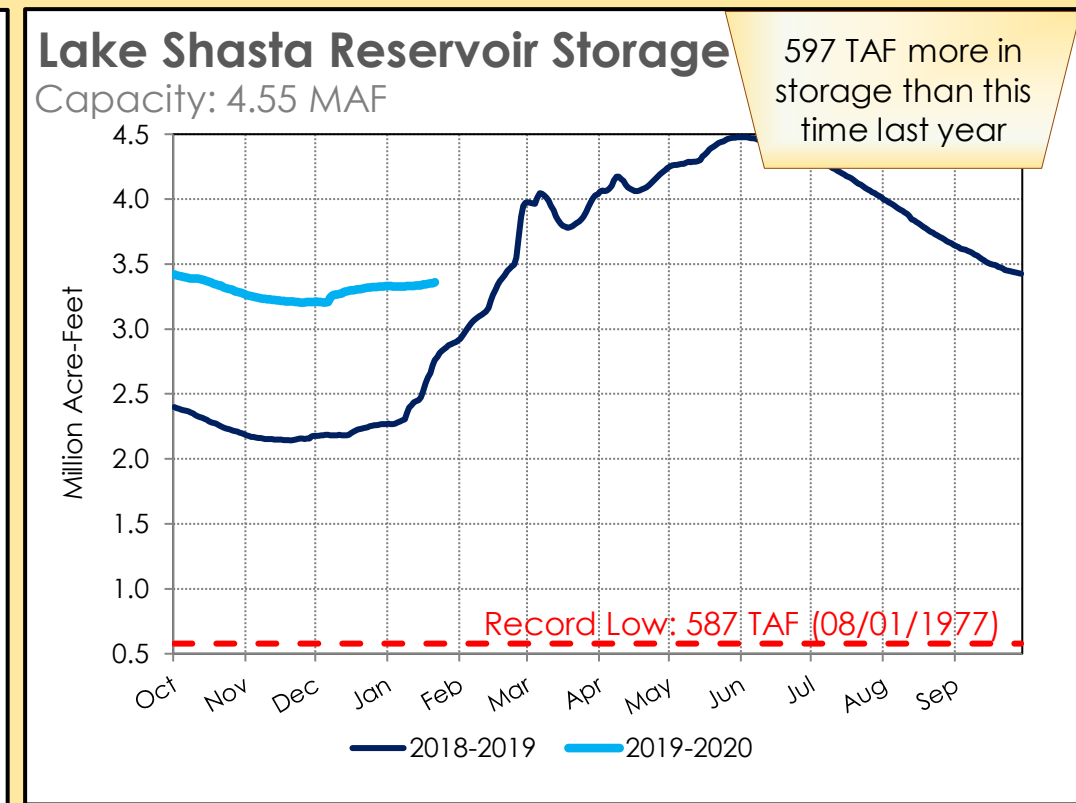
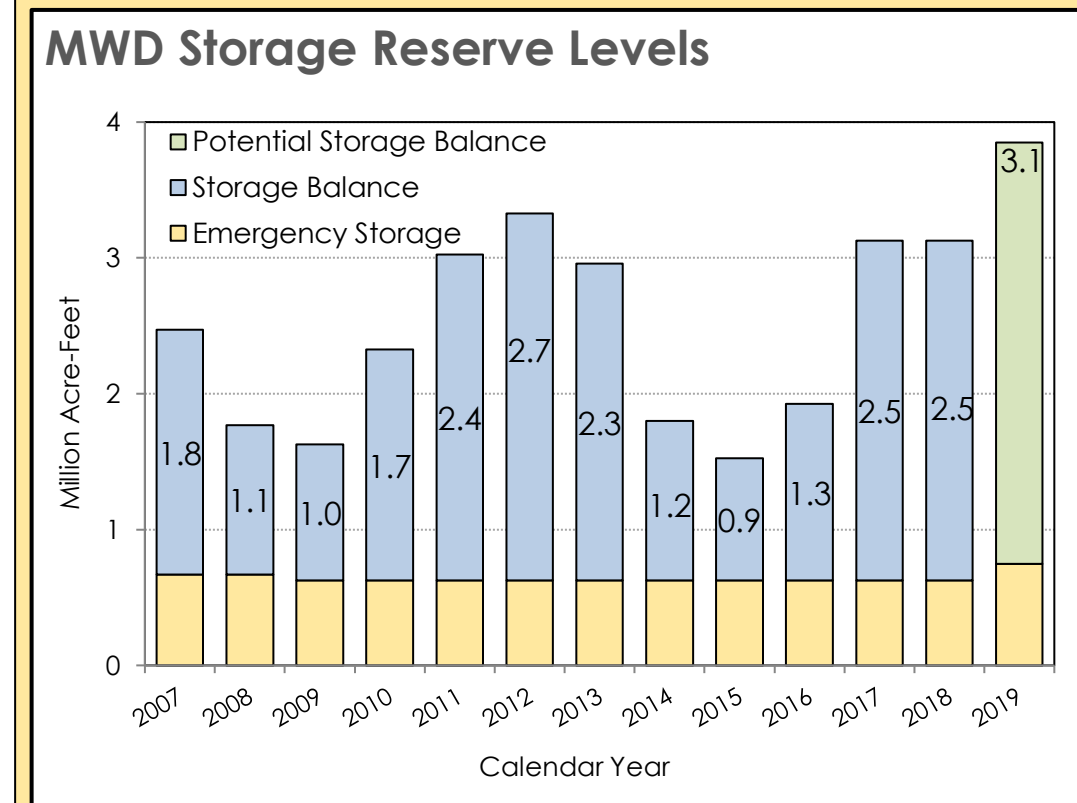
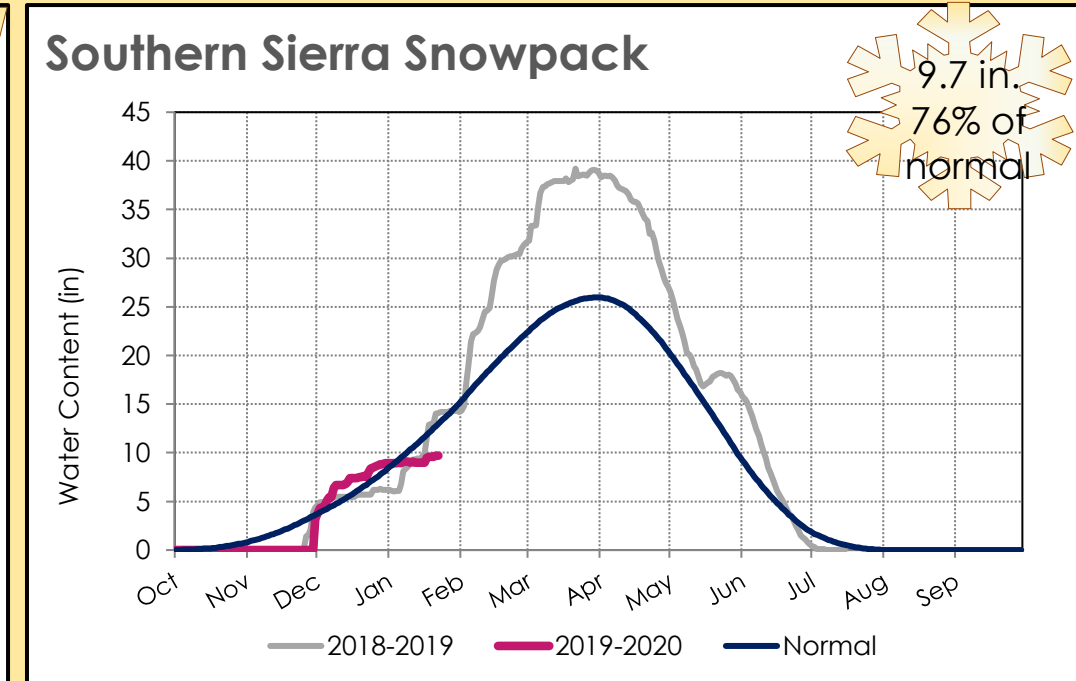
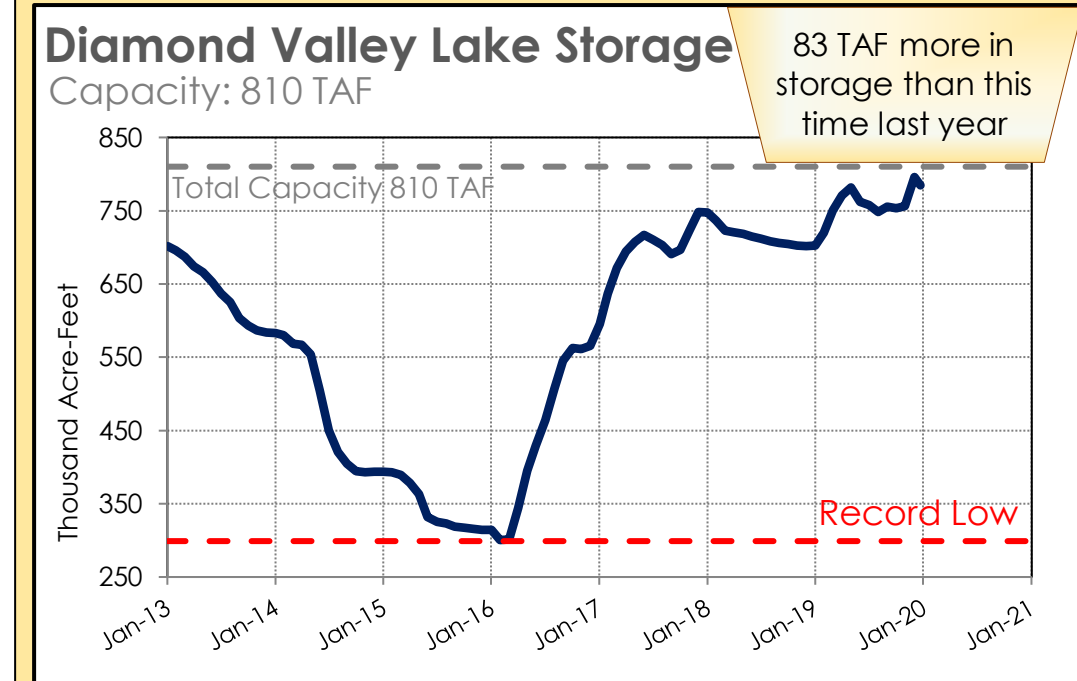
## Lake Mead Storage





**Highlights**

- Precipitation at the 8-Station is at 65% of normal
- Snow in the Northern Sierra is at 82% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 93% and 115% of normal



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<http://www.mwdh2o.com/WSCR>

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**2020 SWP Allocation**  
191,150 AF  
10% of Table A

**Statewide 77%**

**OROVILLE 2.13 MAF**  
60%  
8 STA: 16.0" (WY Avg 65%)

**SAN LUIS TOT: 1.46 MAF SWP: 938 TAF**  
72%  
5 STA: 10.7" (WY Avg 60%)

**CASTAIC 233 TAF**  
72%  
LA: 7.3" (WY Avg 133%)

**DVL 785 TAF**  
97%  
SD: 7.2" (WY Avg 167%)

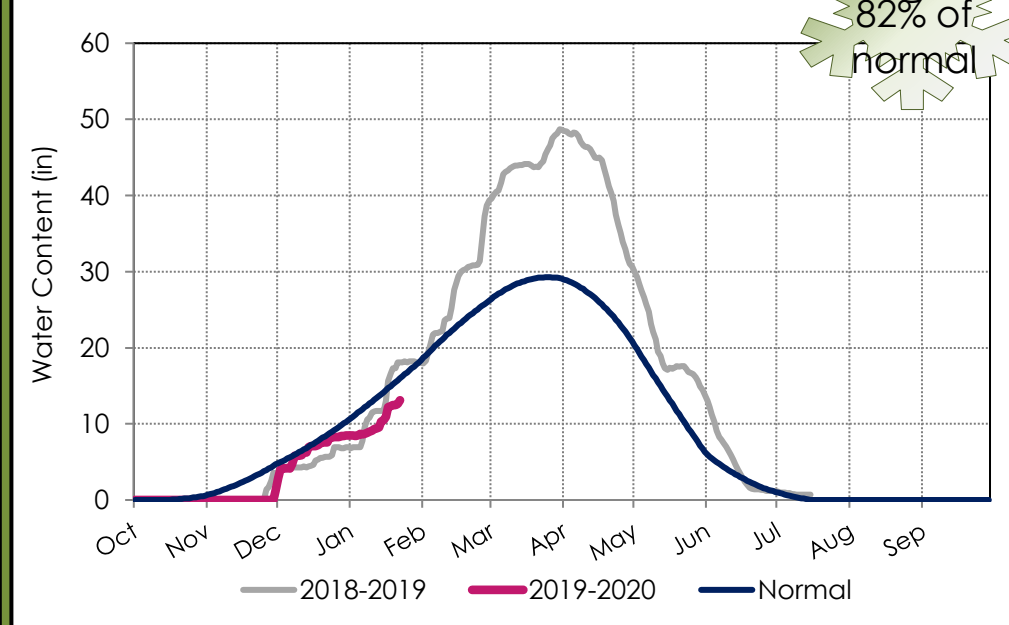
**Northern Sierra 82%**  
**Southern Sierra 76%**

Legend:  
 - WY Avg: Water Year Average  
 - % Normal WY to Date: Percentage of normal water year to date  
 - Capacity: Total storage capacity  
 - Average EOM: Average End of Month storage  
 - Current Storage (% Capacity): Current storage as a percentage of capacity

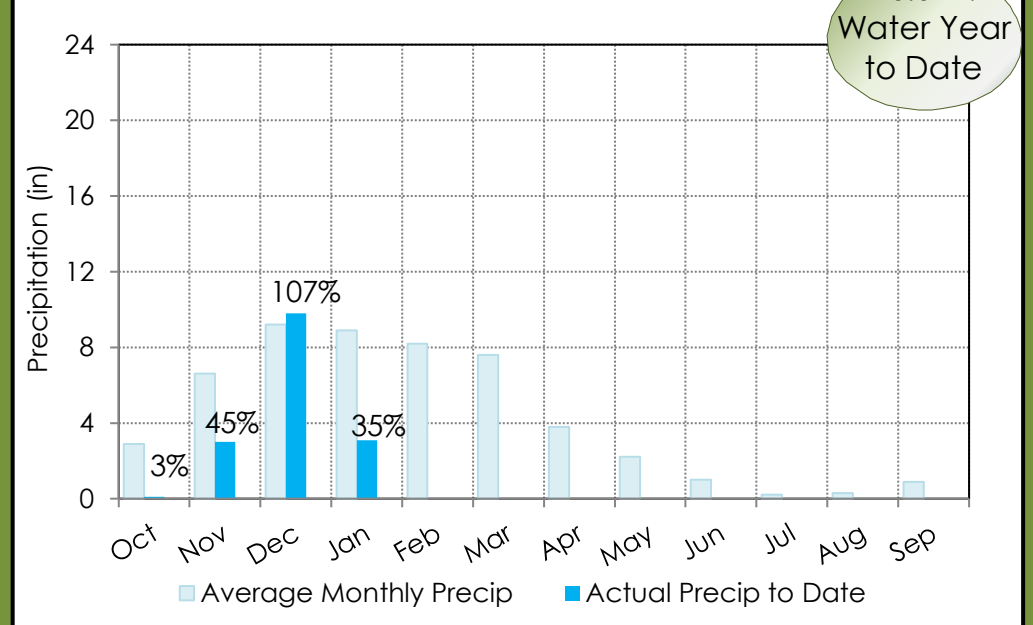
As of: 01/21/2020

# State Water Project Resources

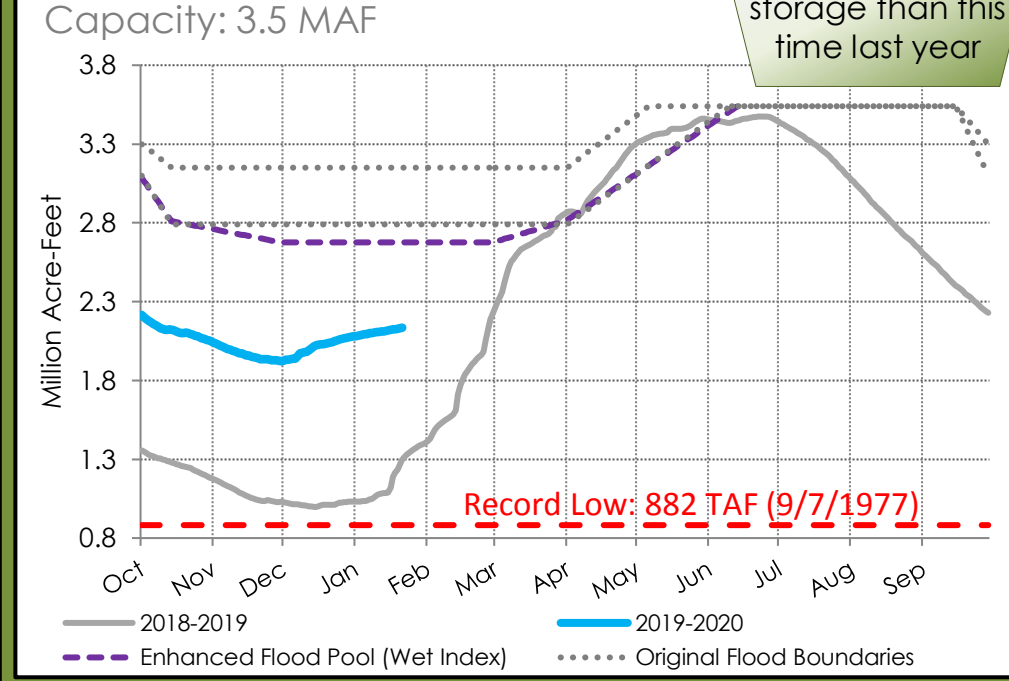
## Northern Sierra Snowpack



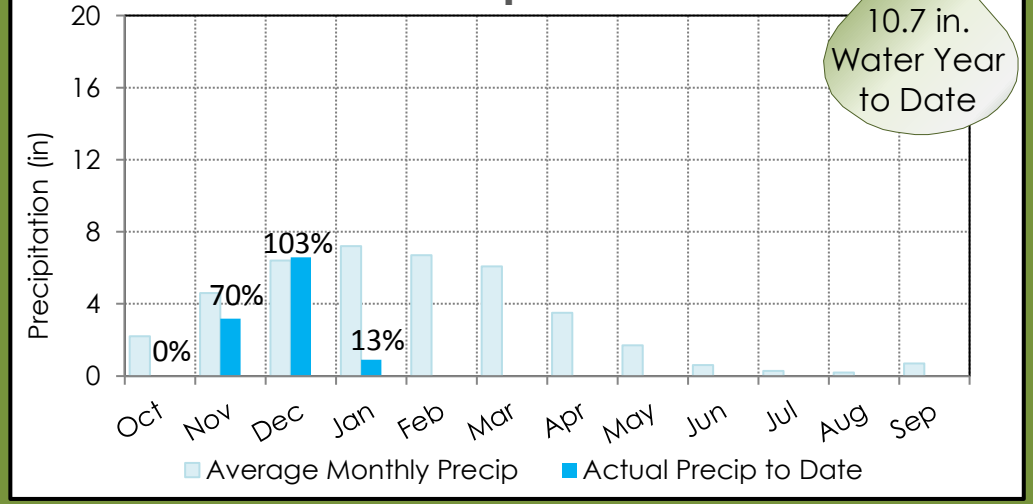
## 8 Station Index Precip



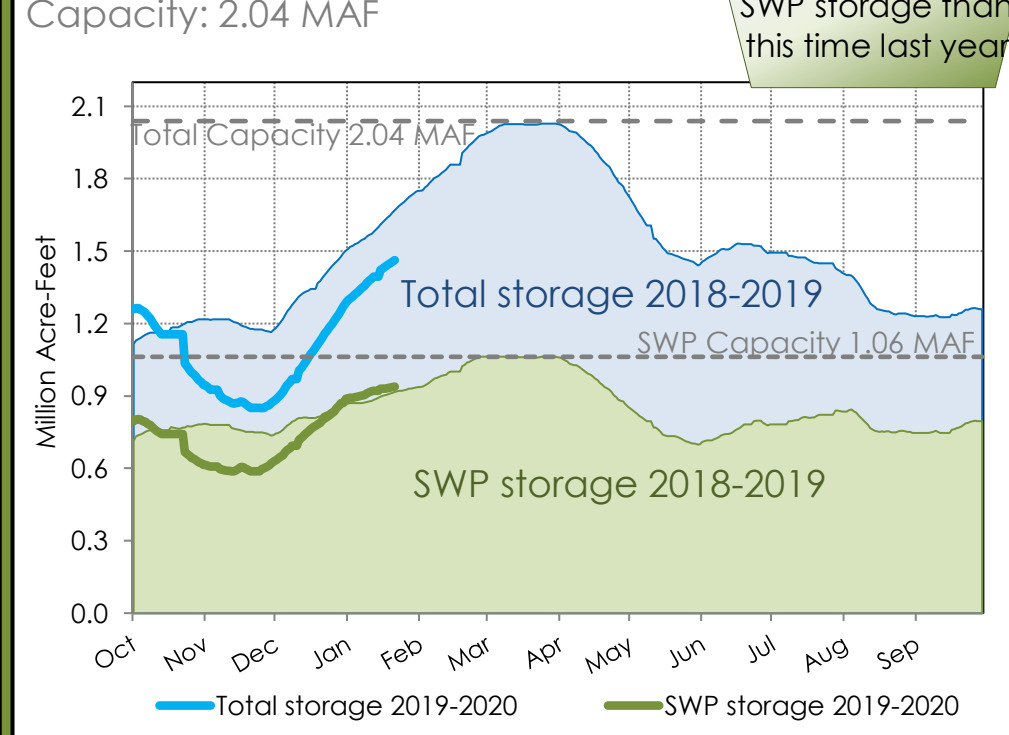
## Oroville Reservoir Storage



## 5 Station Index Precip



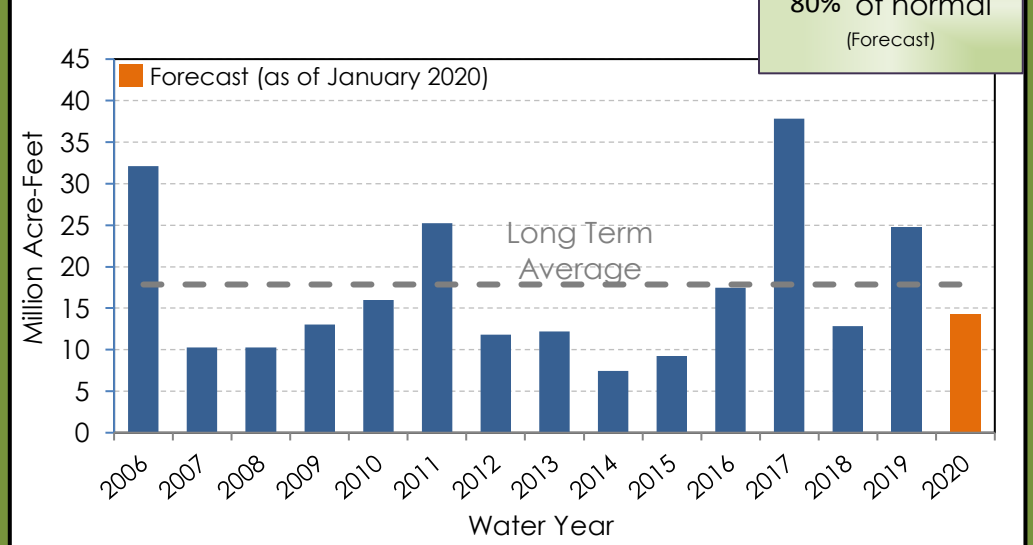
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

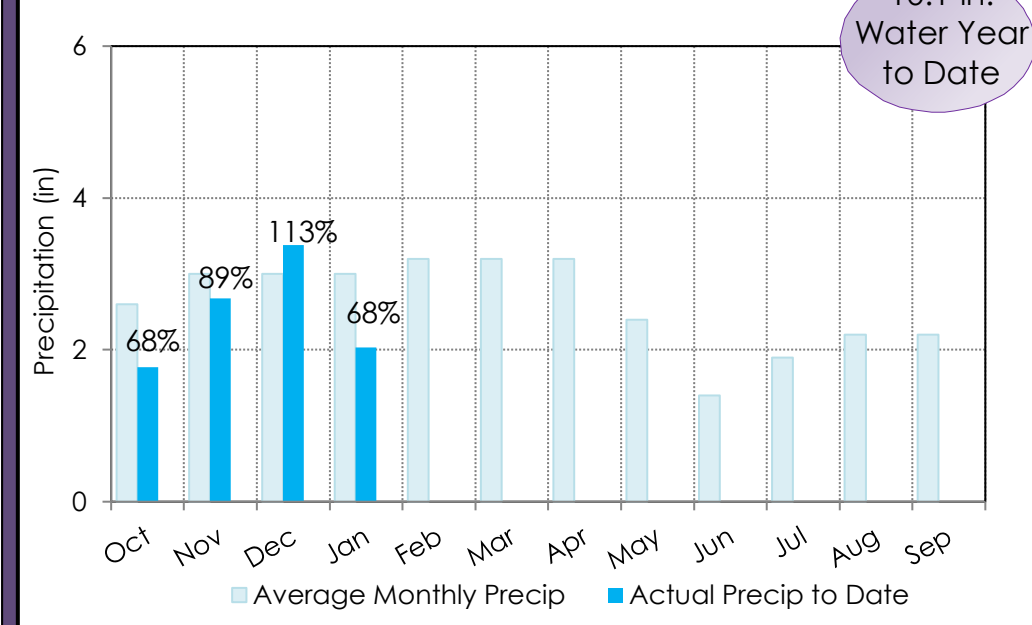
## Sacramento River Runoff



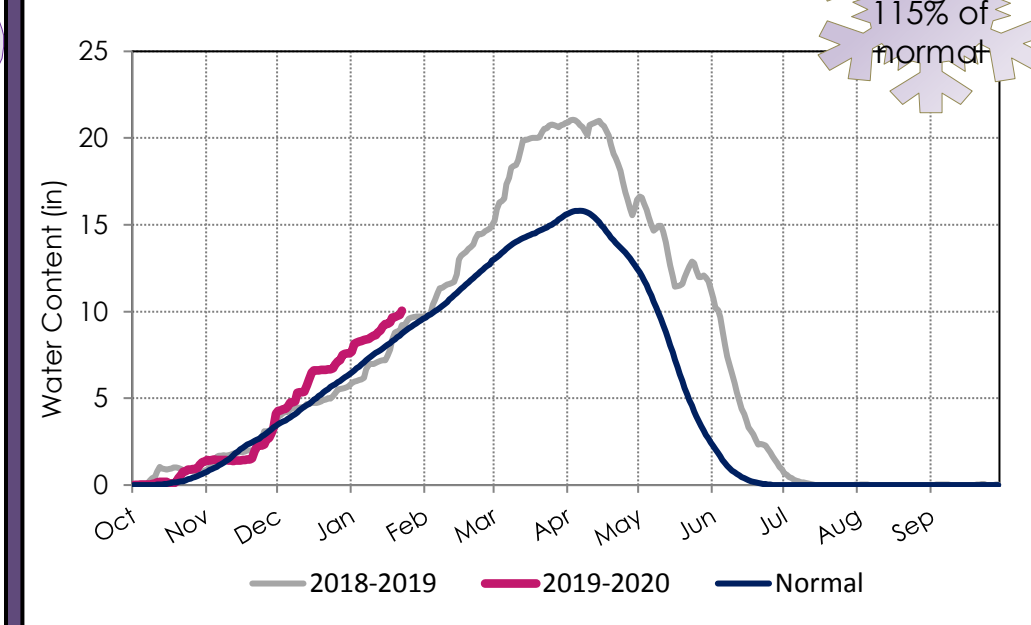
# Colorado River Resources

As of: 01/21/2020

## Upper Colorado Basin Precip



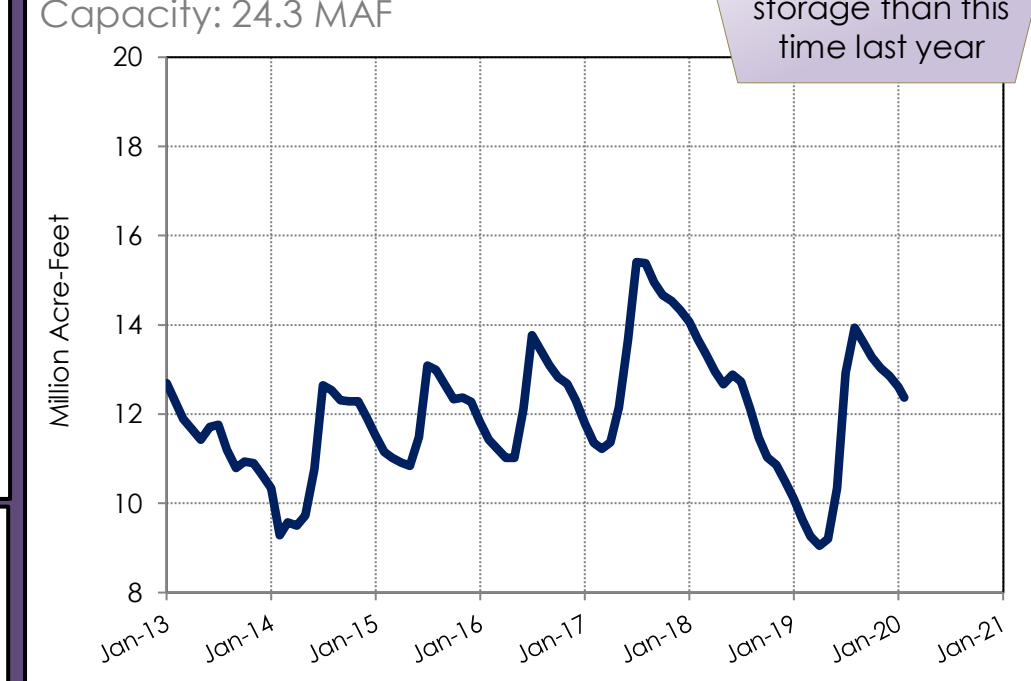
## Upper Colorado Basin Snowpack



## 2020 Colorado River Ag Use

Chart Pending

## Lake Powell Storage

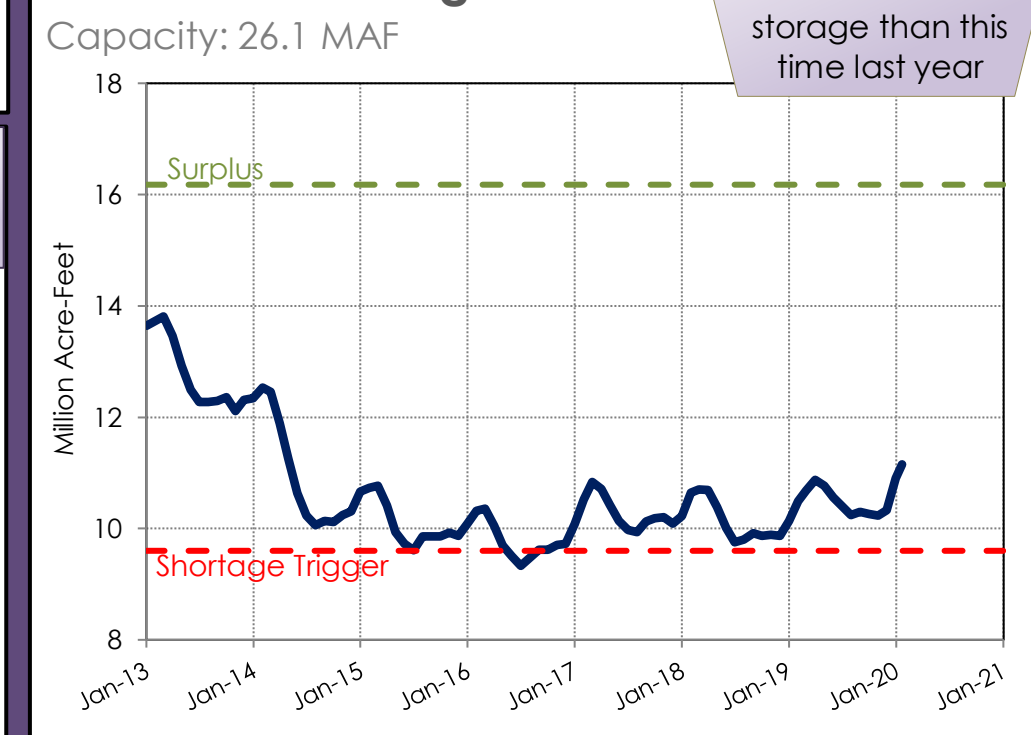


## Lake Mead Shortage/Surplus Outlook

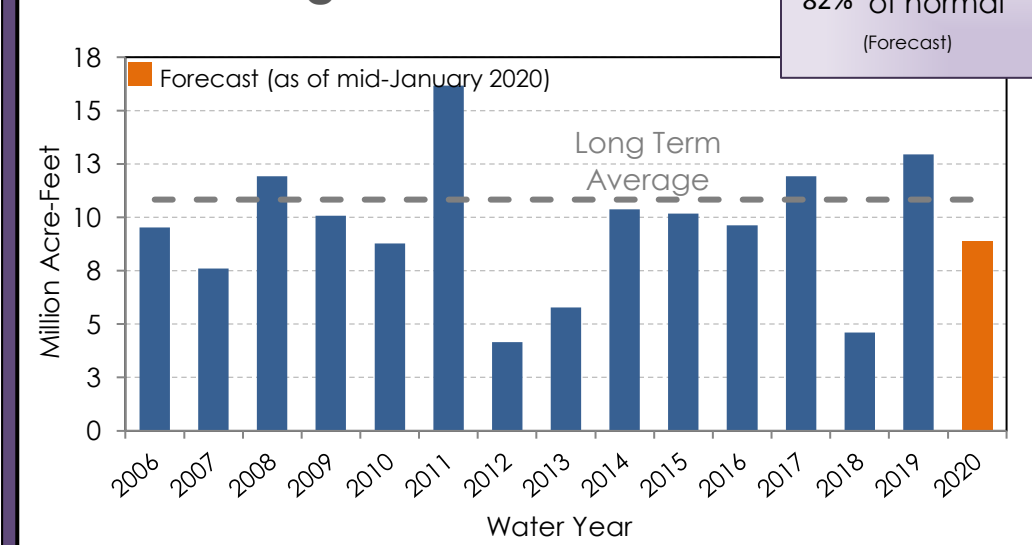
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

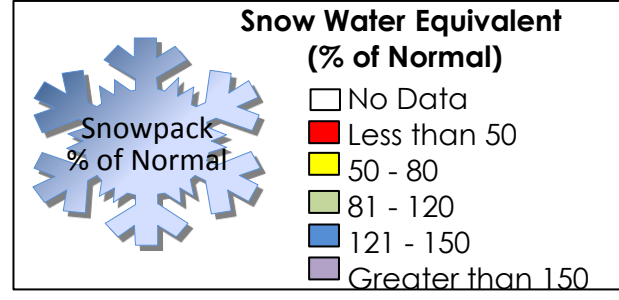
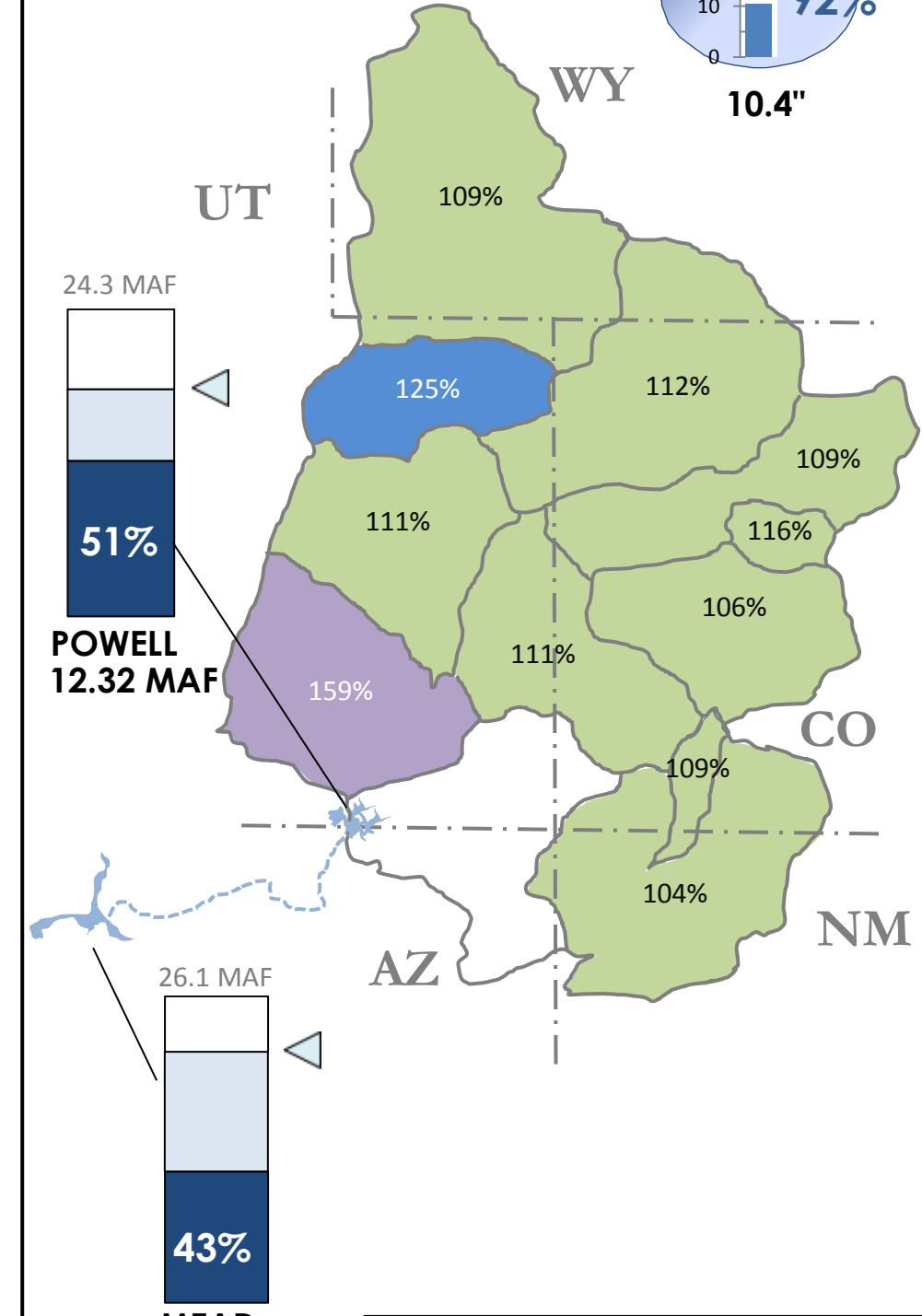
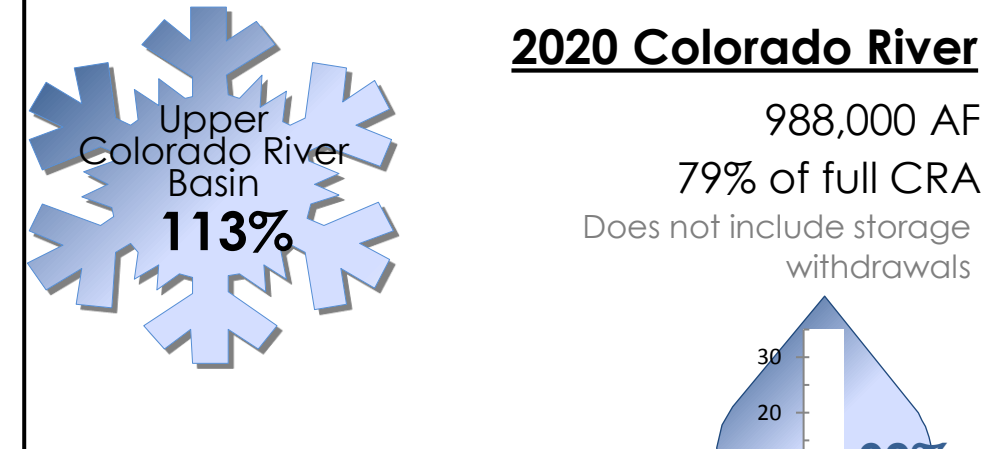
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Lake Mead Storage



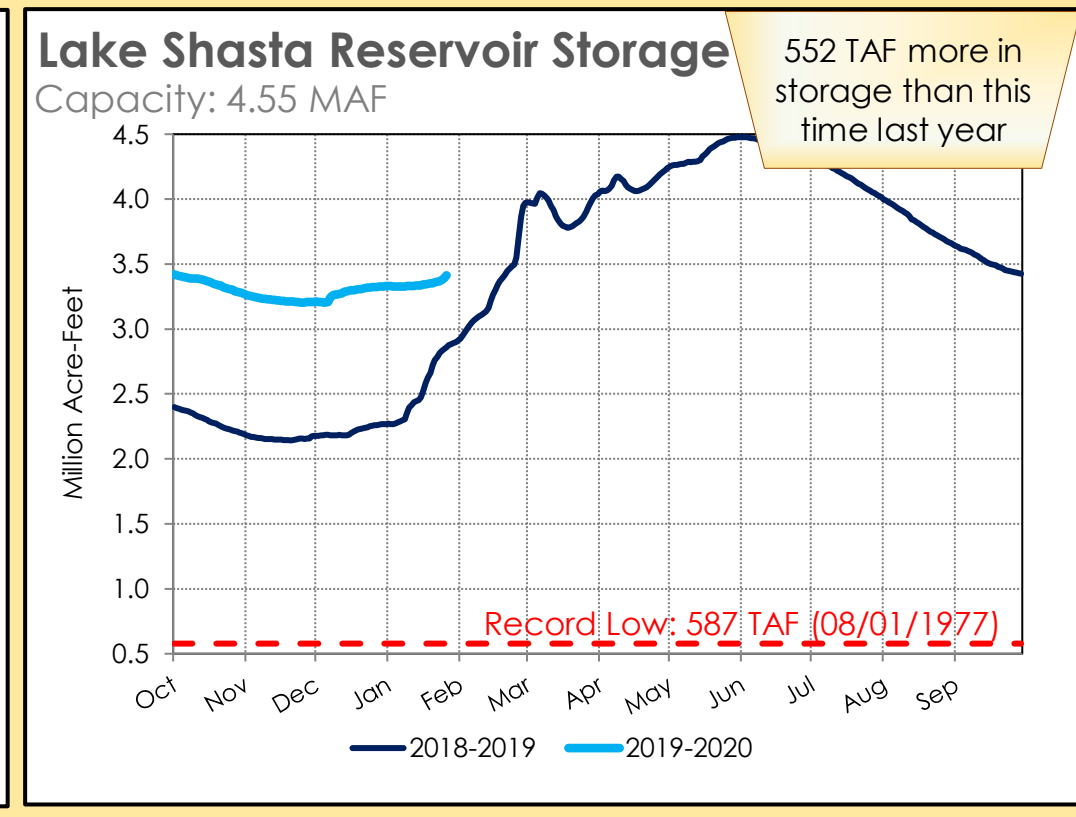
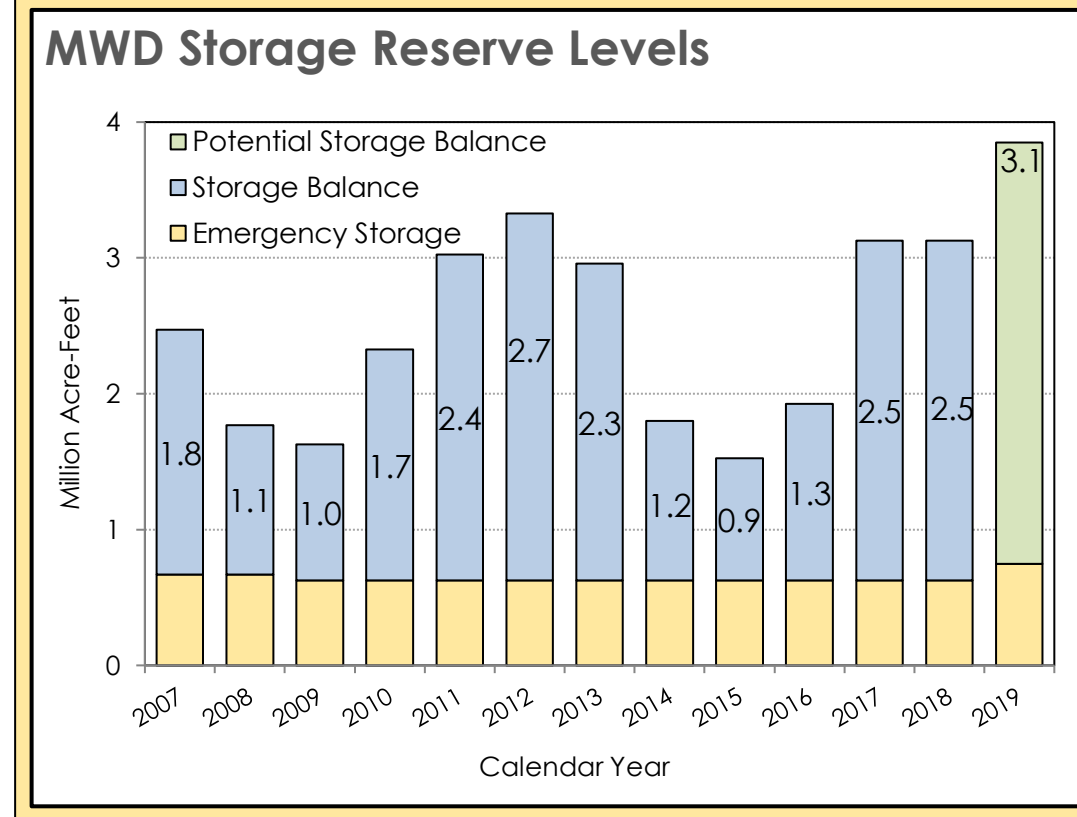
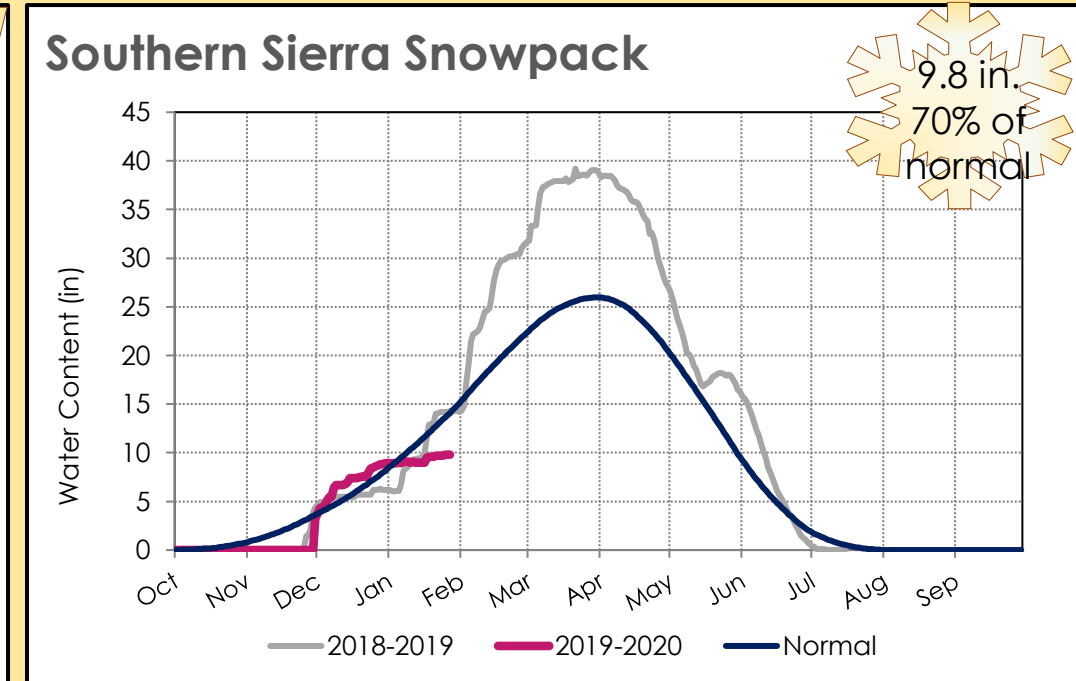
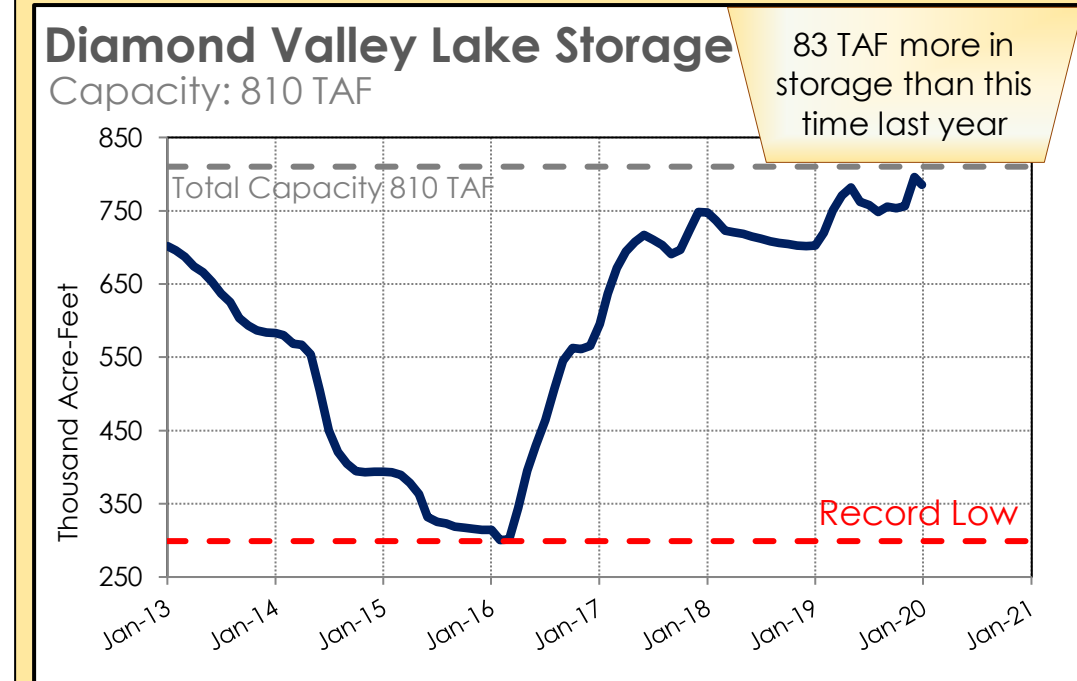
## Powell Unregulated Inflow





**Highlights**

- Precipitation at the 8-Station is at 67% of normal
- Snow in the Northern Sierra is at 79% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 92% and 113% of normal



**2020 SWP Allocation**  
286,725 AF  
15% of Table A  
Statewide **75%**

**OROVILLE** 2.17 MAF  
**SAN LUIS** TOT: 1.49 MAF SWP: 944 TAF  
**CASTAIC** 229 TAF  
**DVL** 785 TAF

8 STA: 17.6" (67%)  
5 STA: 11.1" (58%)  
LA: 7.3" (121%)  
SD: 7.2" (154%)

3.5 MAF Capacity  
2.04 MAF Average EOM  
325 TAF Current Storage  
810 TAF Capacity

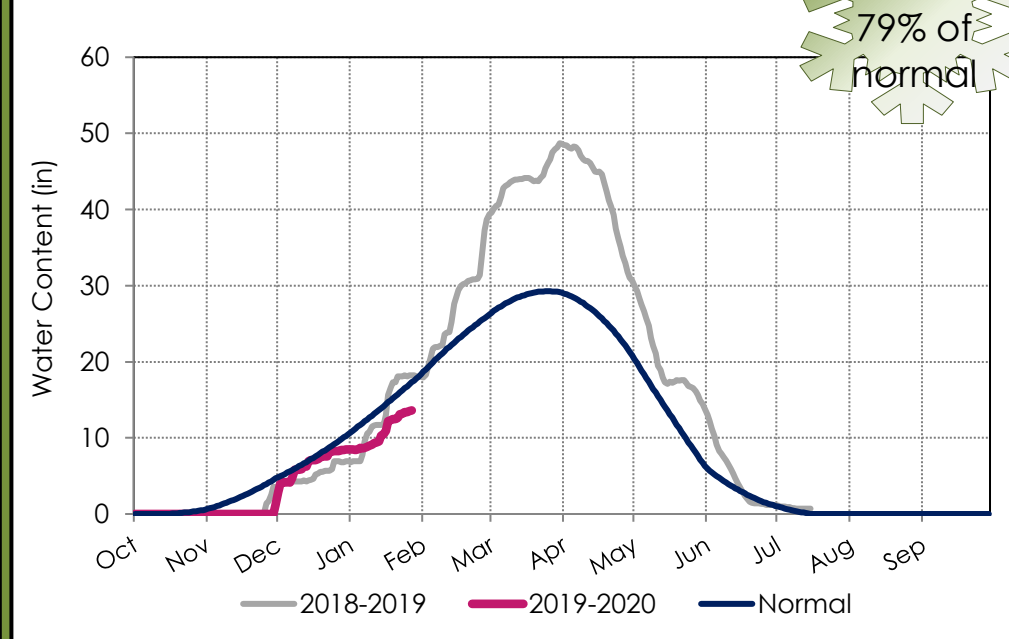
WY Avg  
% Normal WY to Date  
Rainfall to Date (in)

Capacity  
Average EOM  
Current Storage (% Capacity)

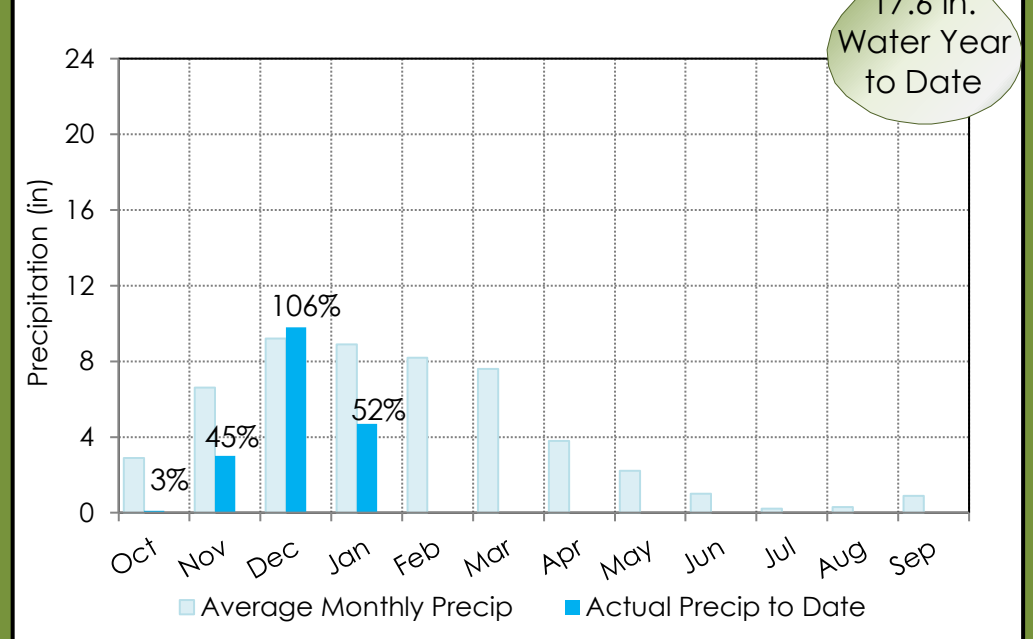
As of: 01/26/2020

# State Water Project Resources

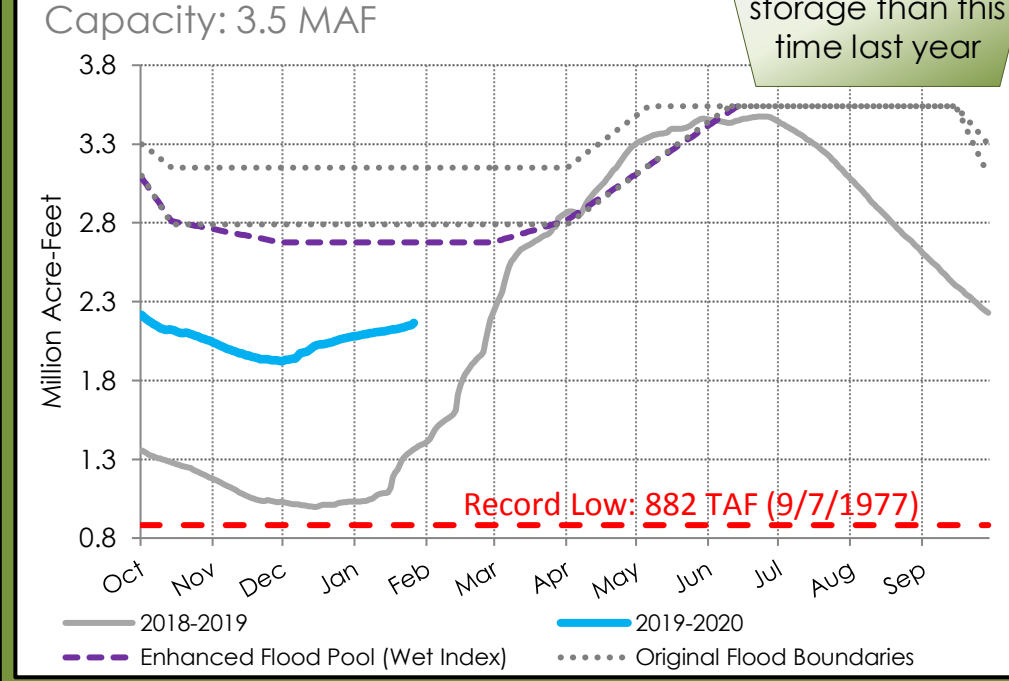
## Northern Sierra Snowpack



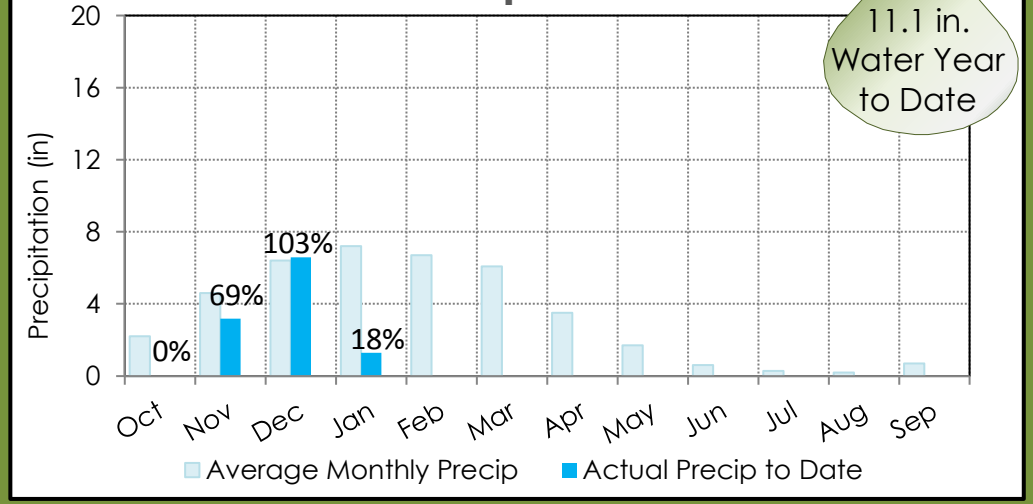
## 8 Station Index Precip



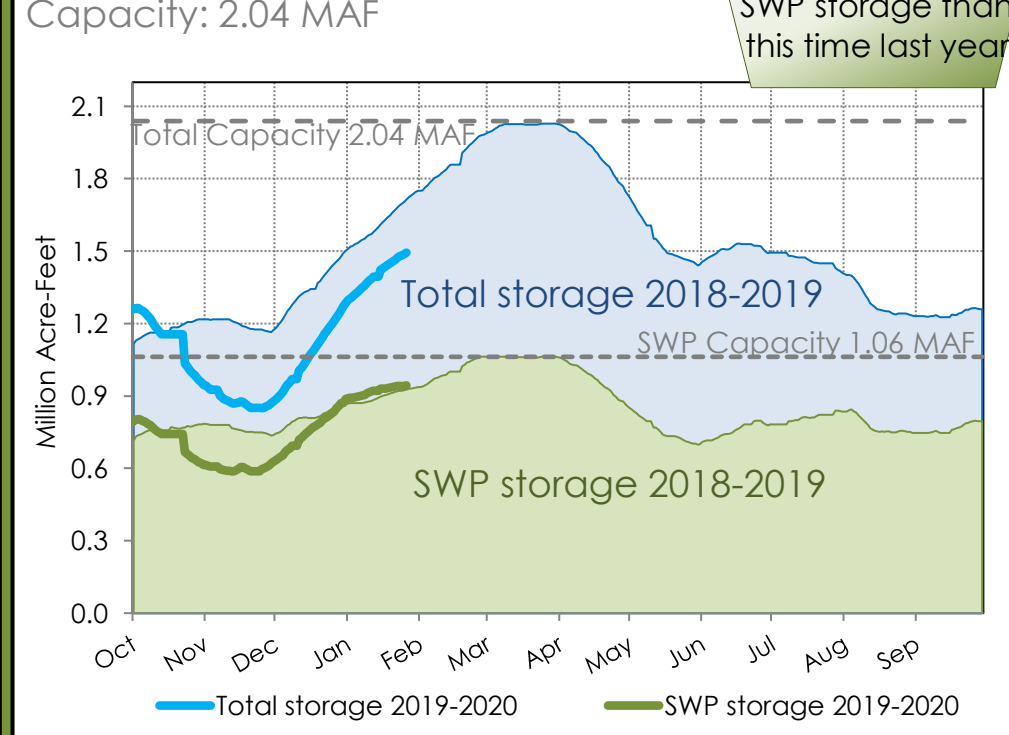
## Oroville Reservoir Storage



## 5 Station Index Precip



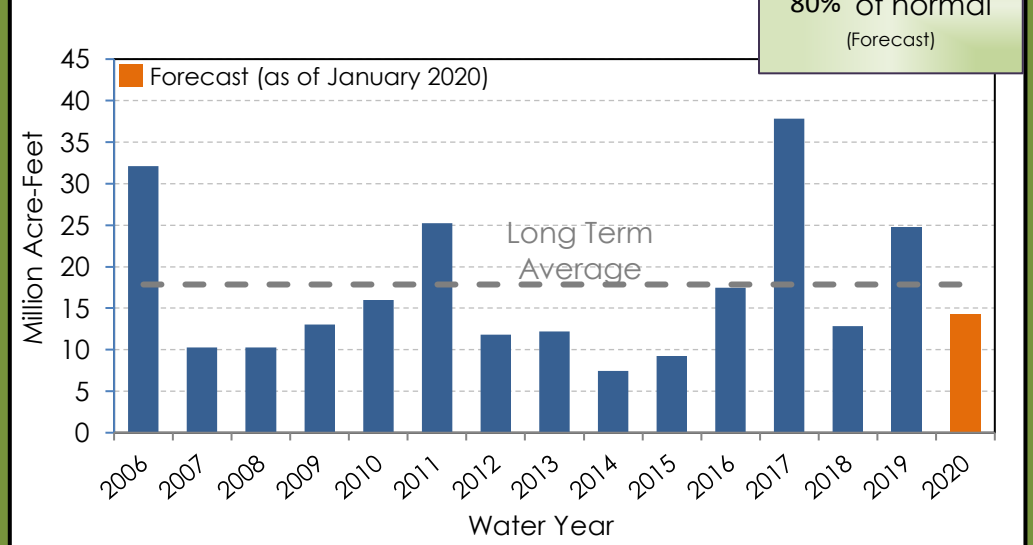
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

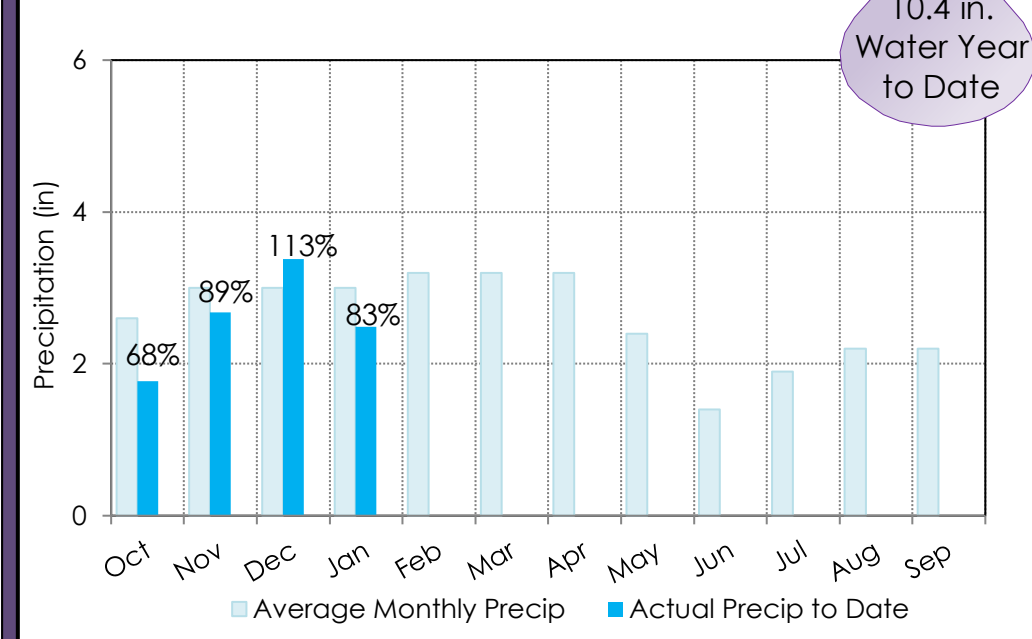
## Sacramento River Runoff



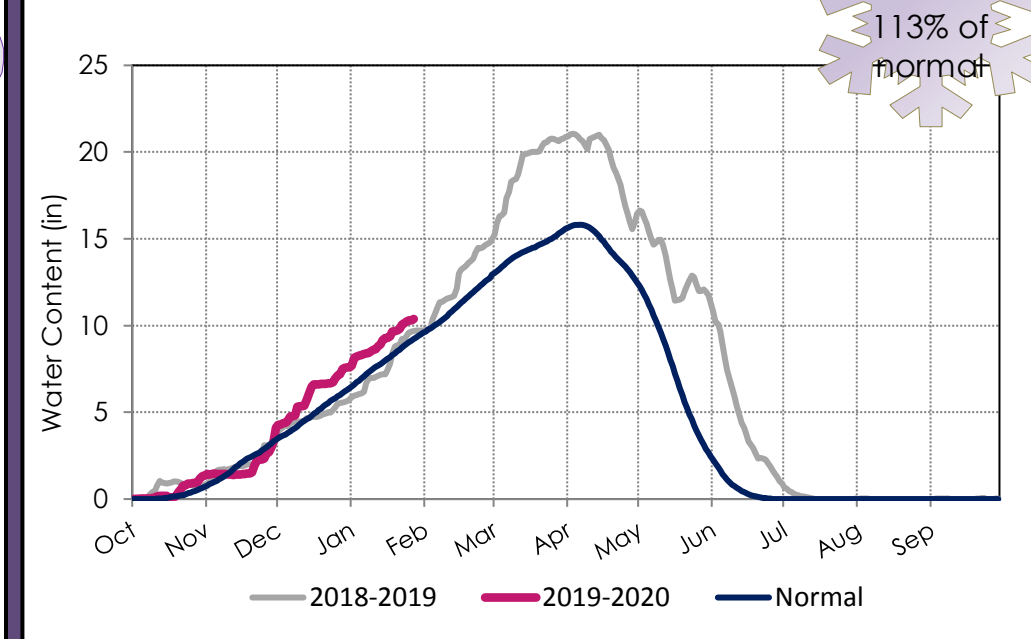
# Colorado River Resources

As of: 01/26/2020

## Upper Colorado Basin Precip



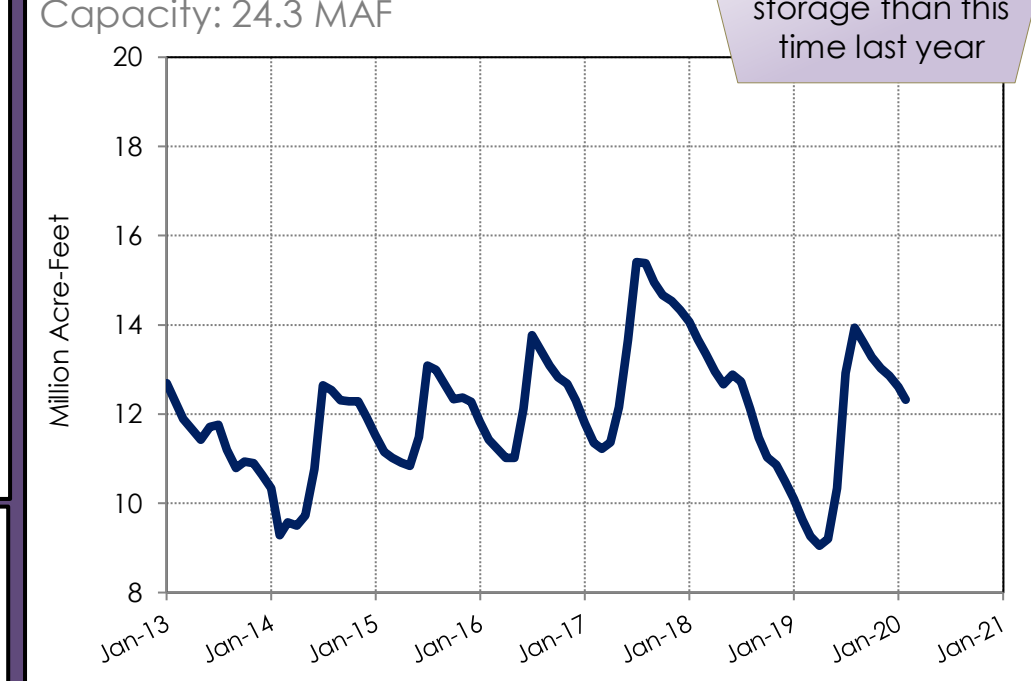
## Upper Colorado Basin Snowpack



## 2020 Colorado River Ag Use

Chart Pending

## Lake Powell Storage

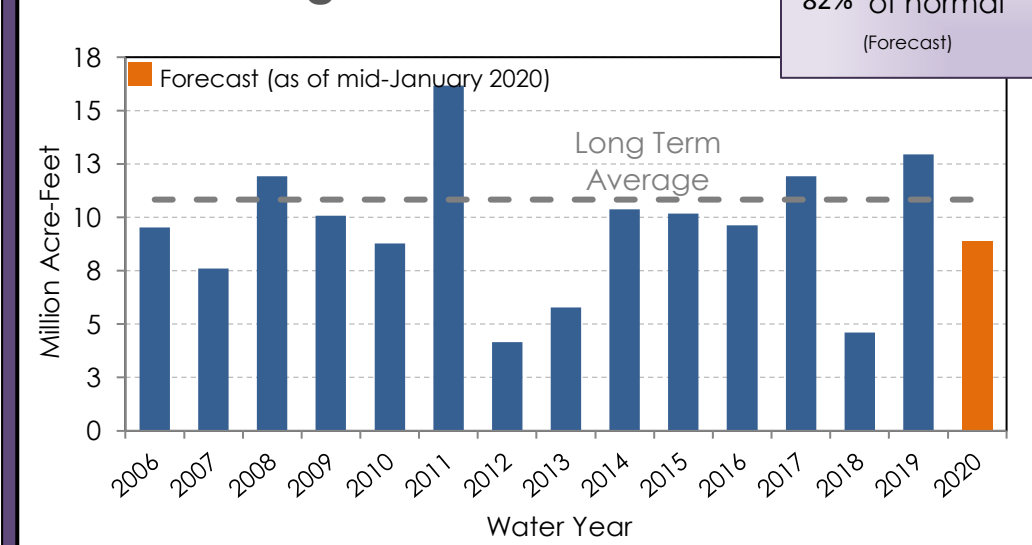


## Lake Mead Shortage/Surplus Outlook

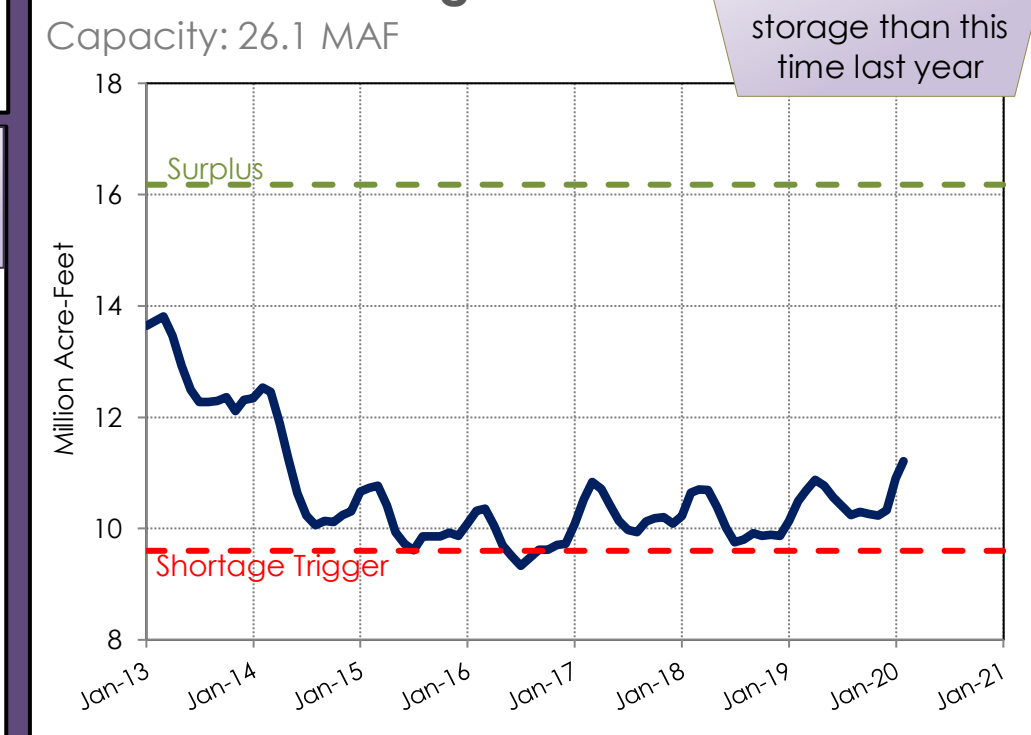
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

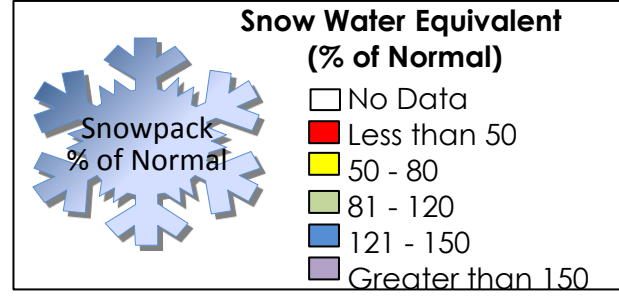
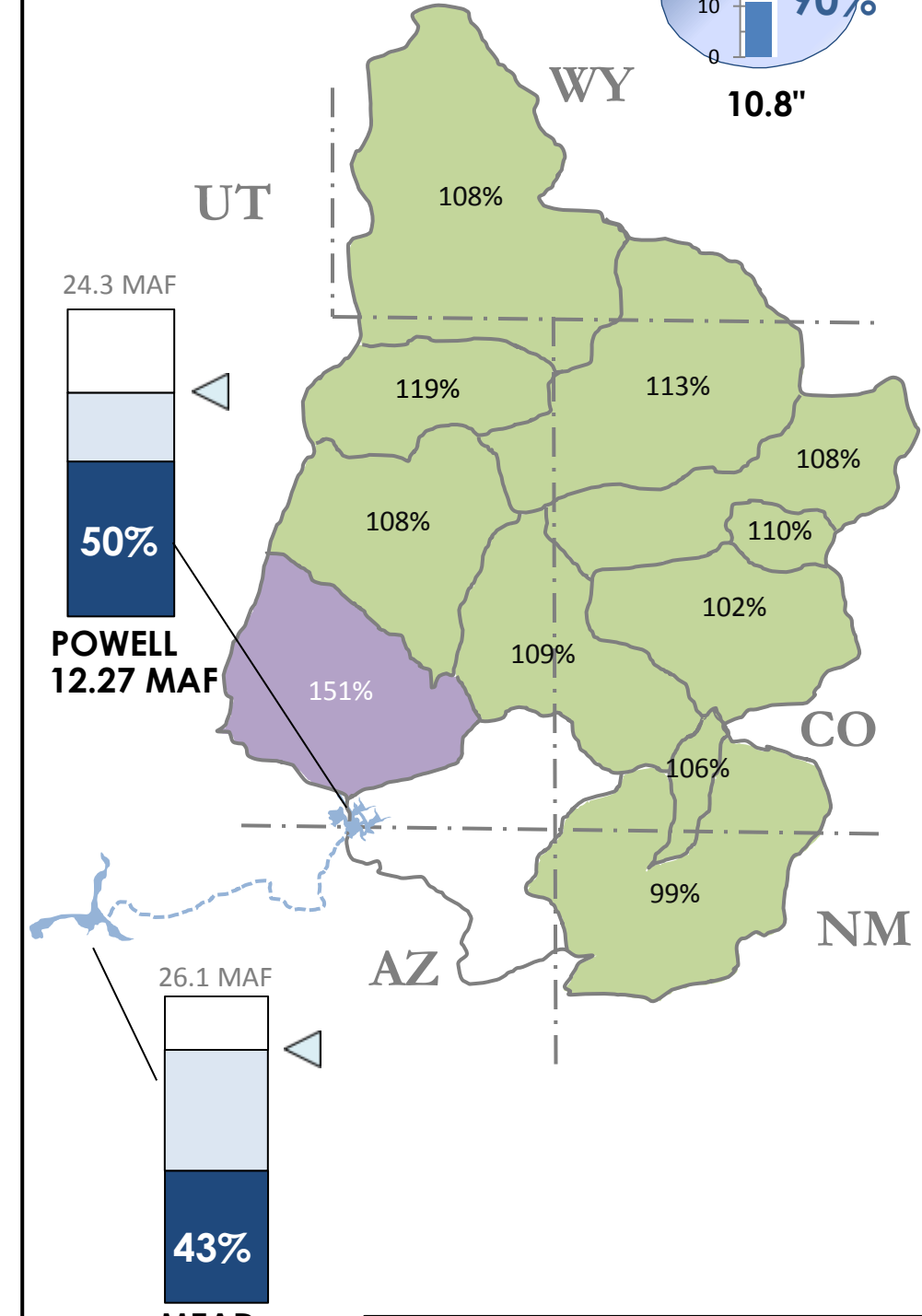
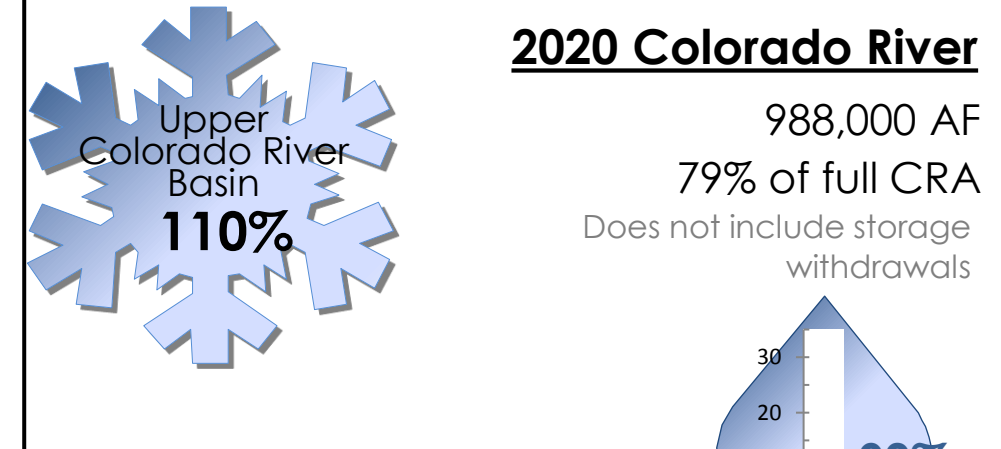
Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

## Powell Unregulated Inflow



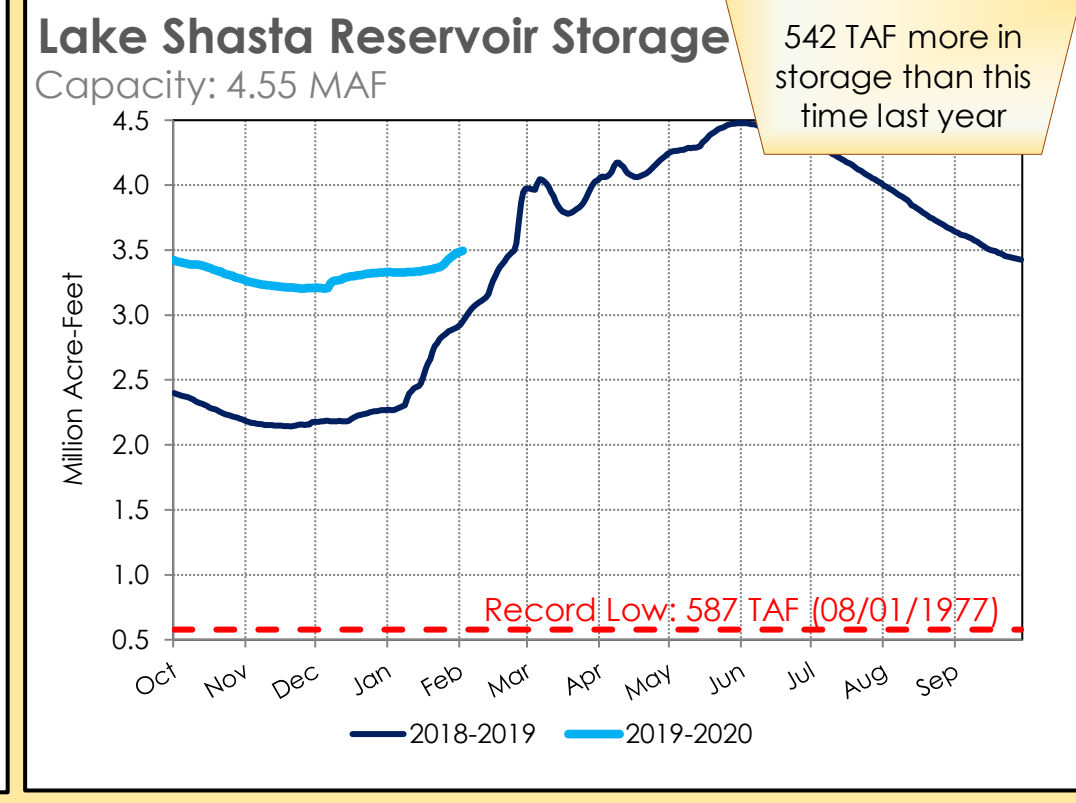
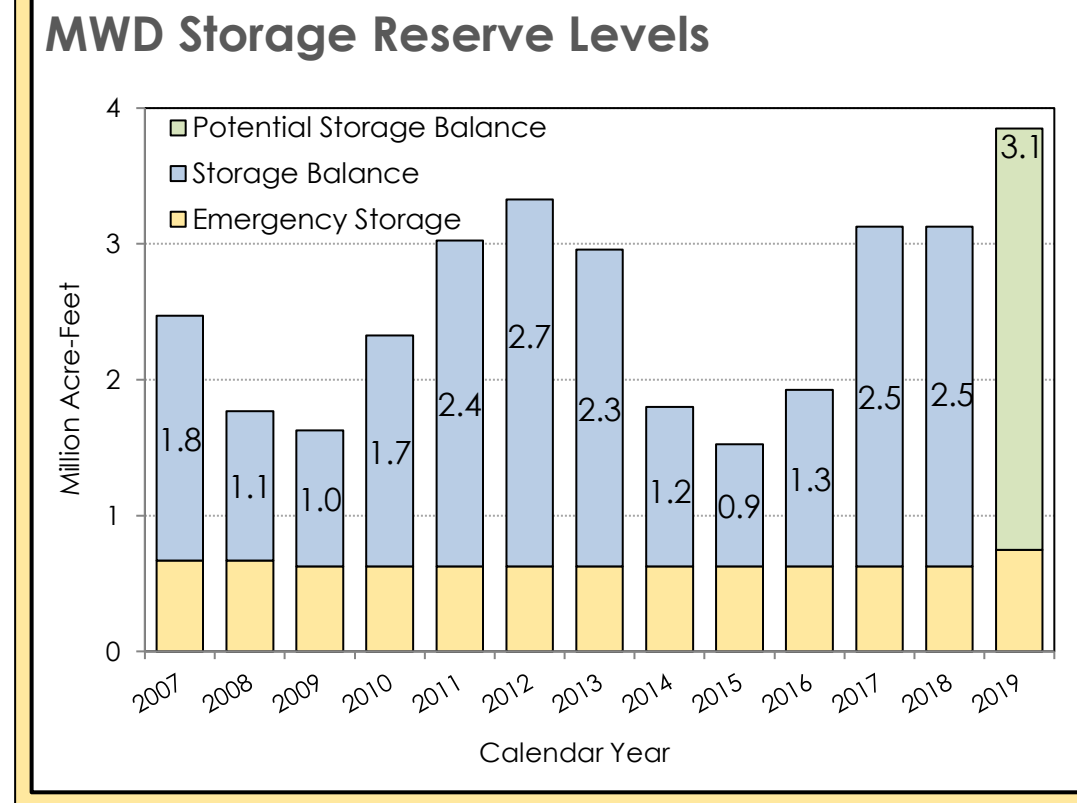
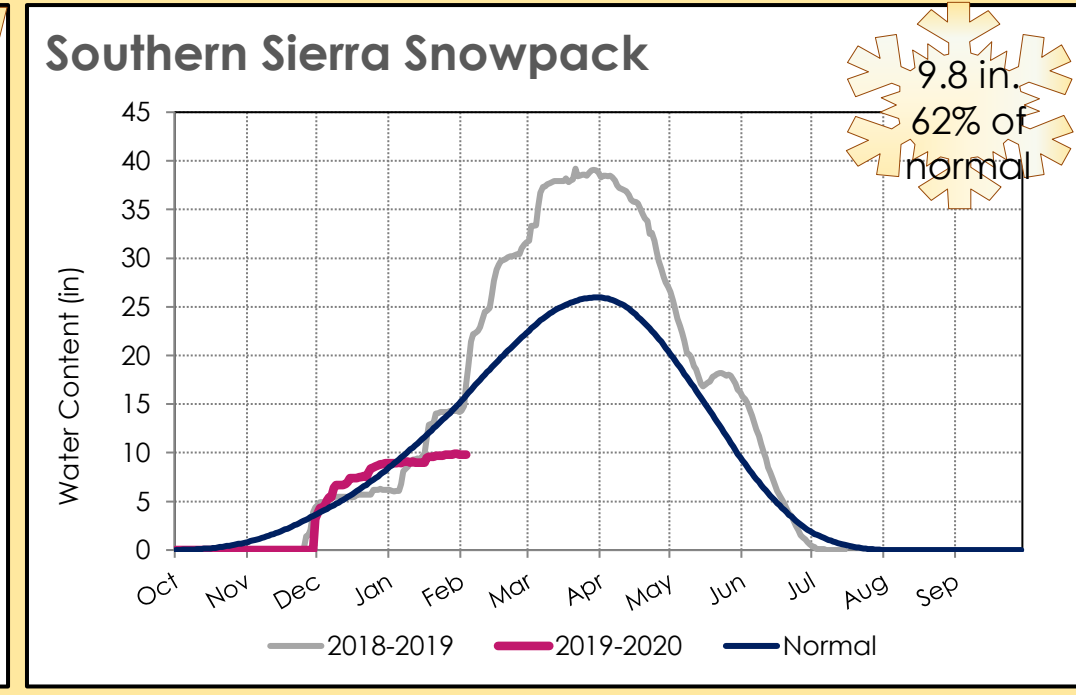
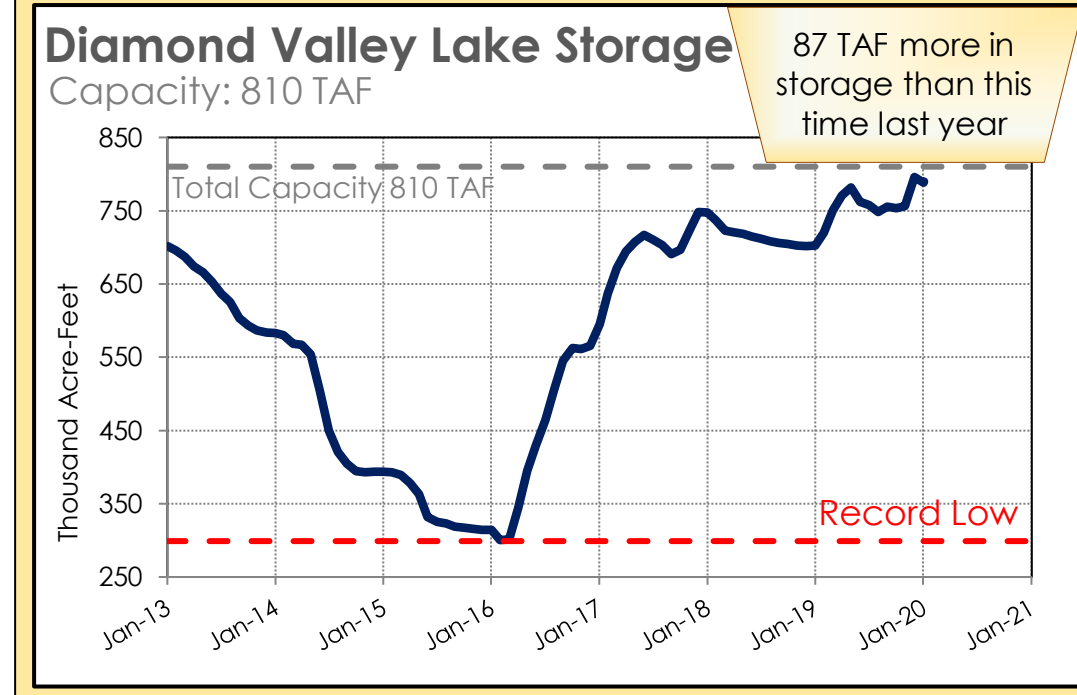
## Lake Mead Storage





**Highlights**

- Precipitation at the 8-Station is at 63% of normal
- Snow in the Northern Sierra is at 71% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 90% and 110% of normal



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**2020 SWP Allocation**  
286,725 AF  
15% of Table A  
Statewide **67%**

**OROVILLE** 2.22 MAF  
**SAN LUIS** TOT: 1.53 MAF SWP: 950 TAF  
**CASTAIC** 232 TAF  
**DVL** 790 TAF

**LA: 7.3"**  
**SD: 7.2"**

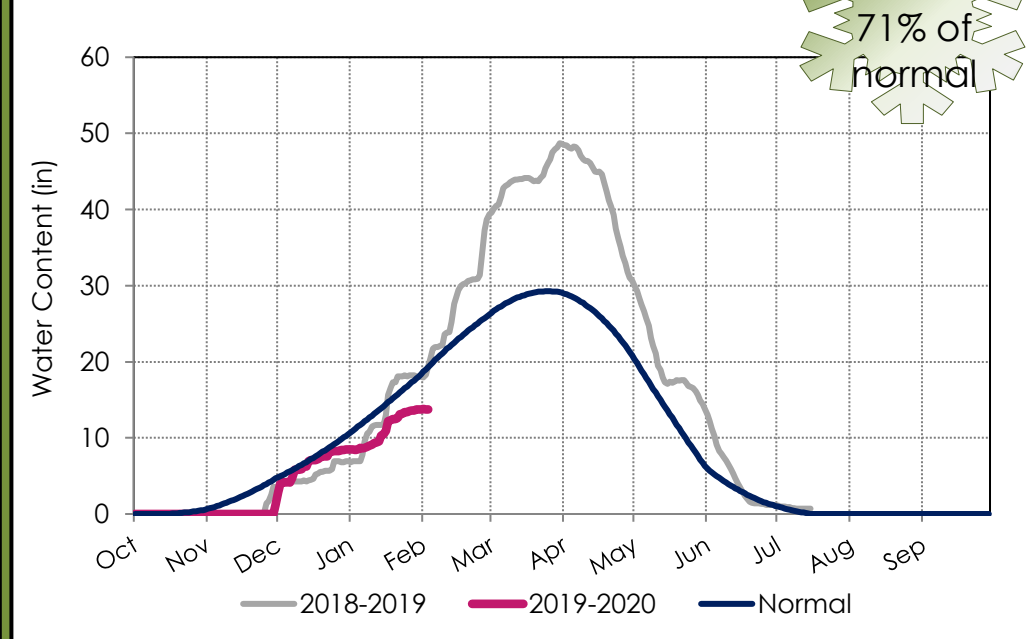
**8 STA: 17.8"**  
**5 STA: 11.1"**

**Legend:**  
Rainfall to Date (in) | % Normal WY to Date | Capacity | Average EOM | Current Storage (% Capacity)

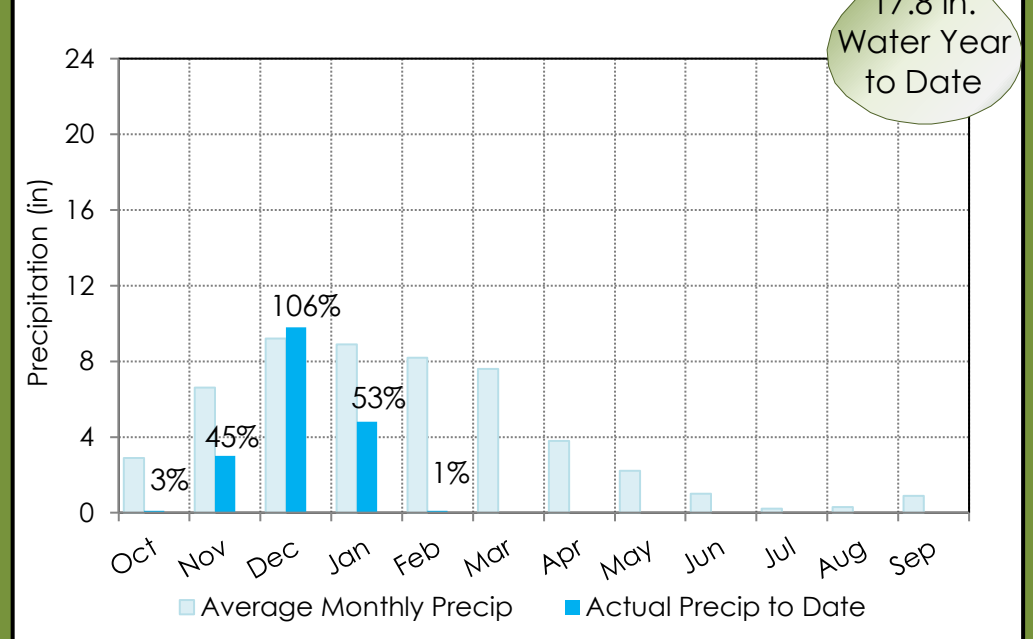
As of: 02/02/2020

# State Water Project Resources

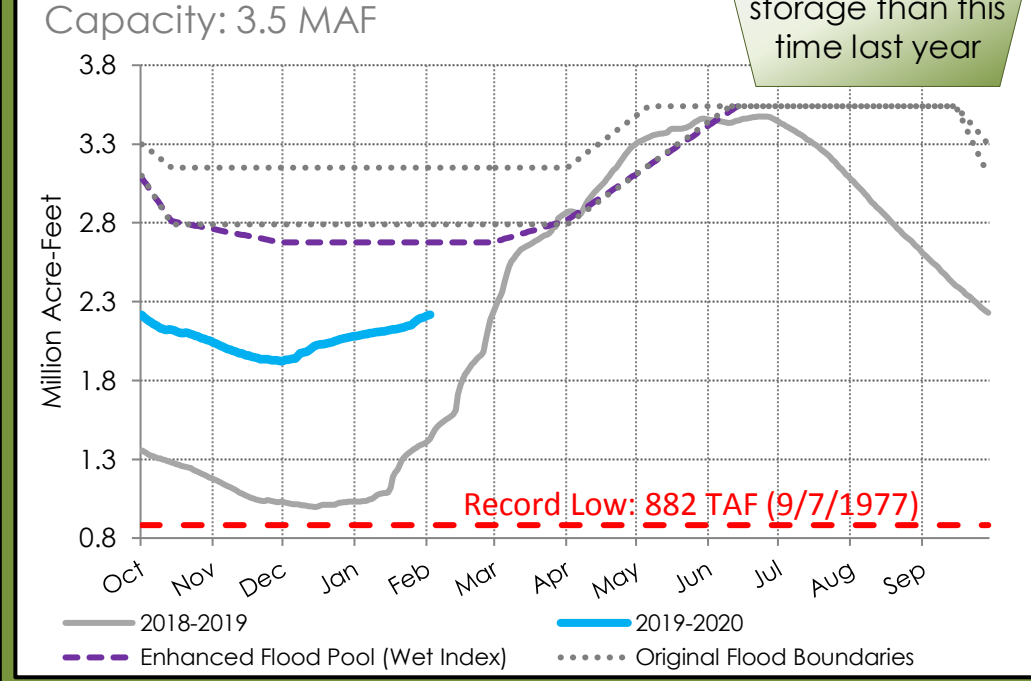
## Northern Sierra Snowpack



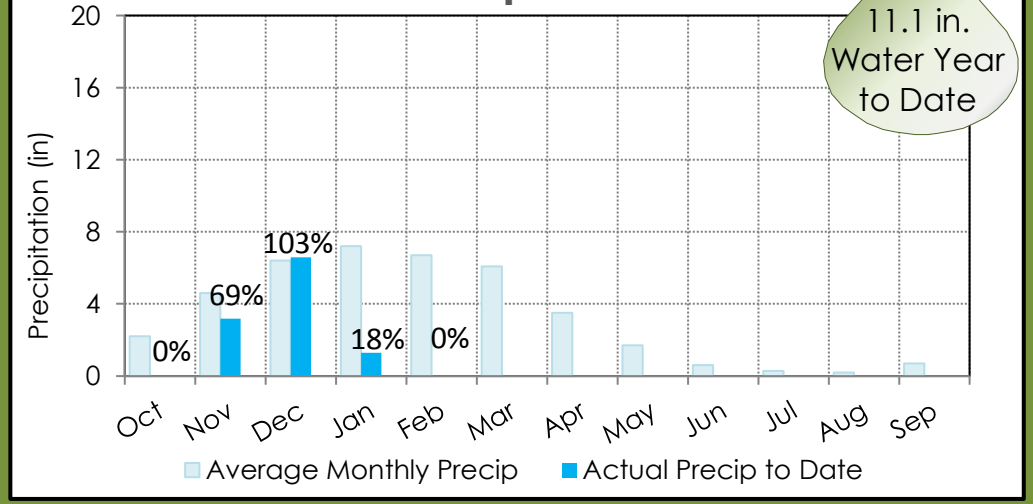
## 8 Station Index Precip



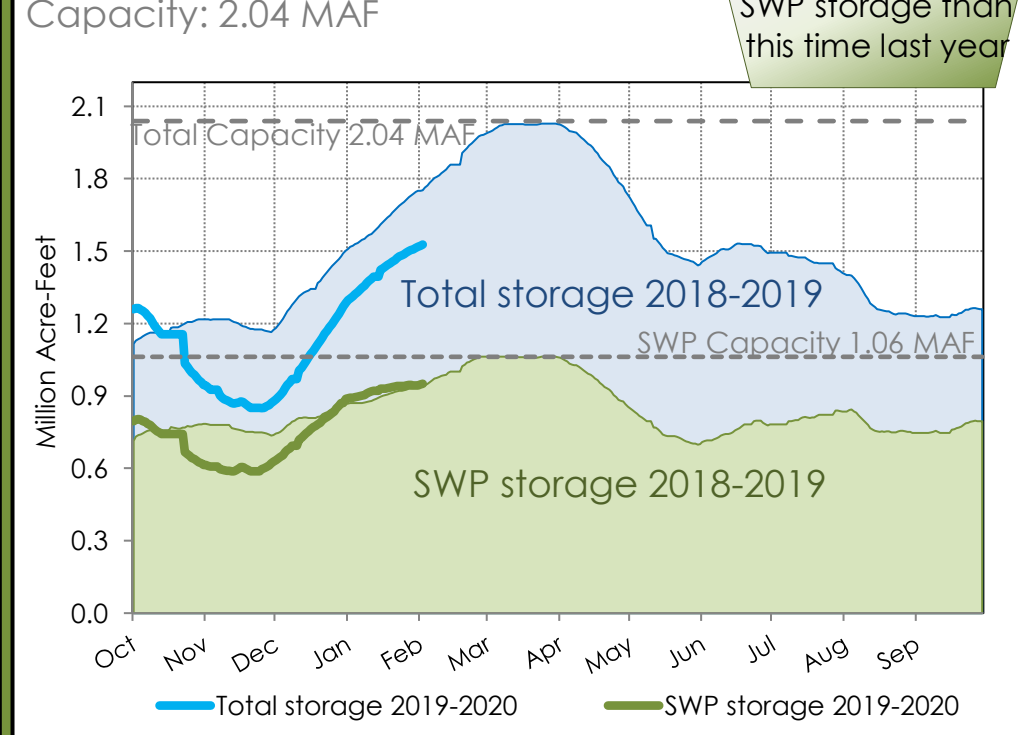
## Oroville Reservoir Storage



## 5 Station Index Precip



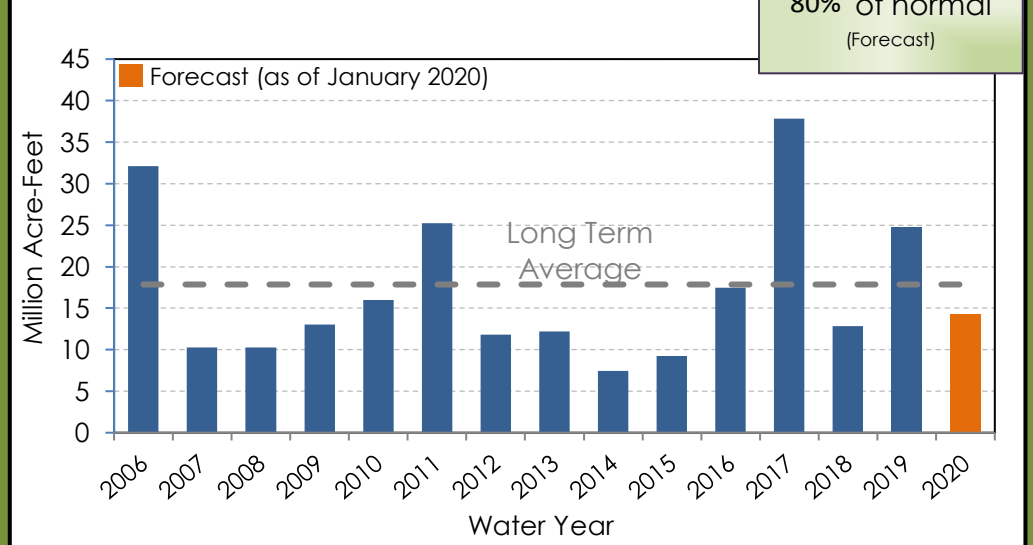
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

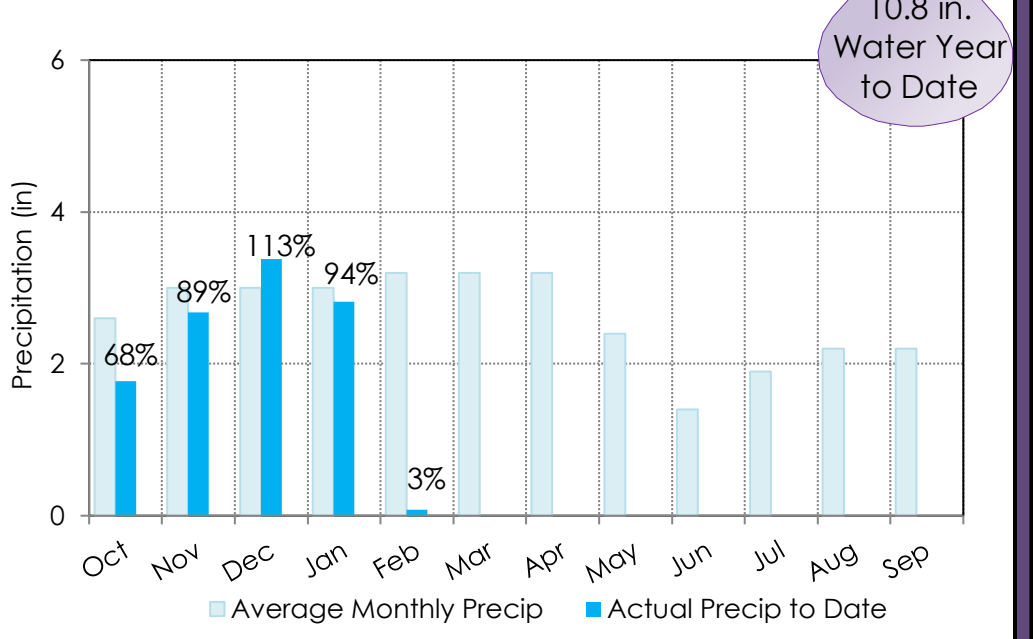
## Sacramento River Runoff



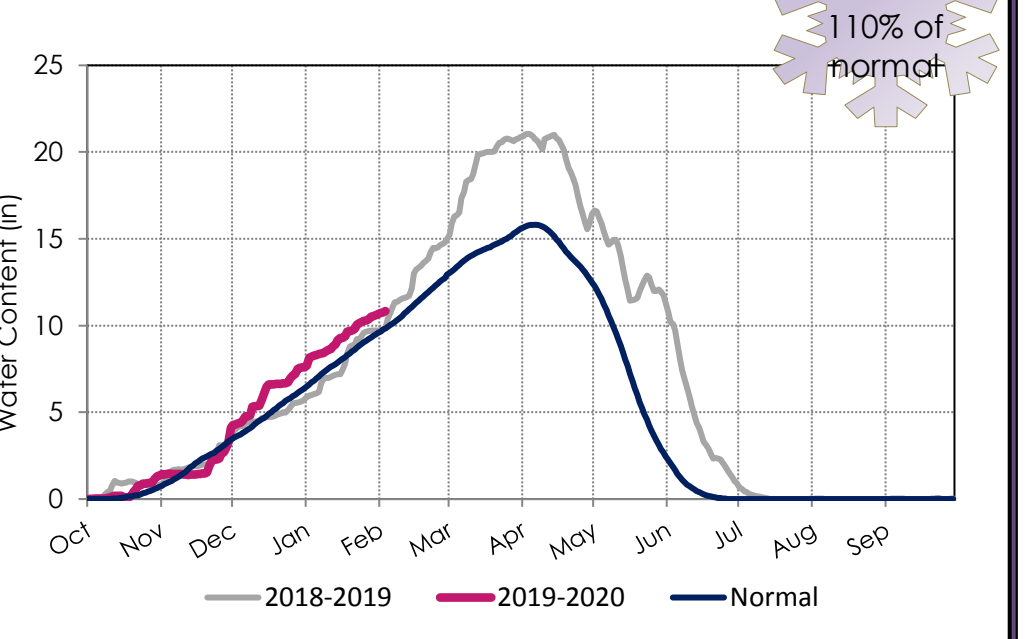
# Colorado River Resources

As of: 02/02/2020

## Upper Colorado Basin Precip



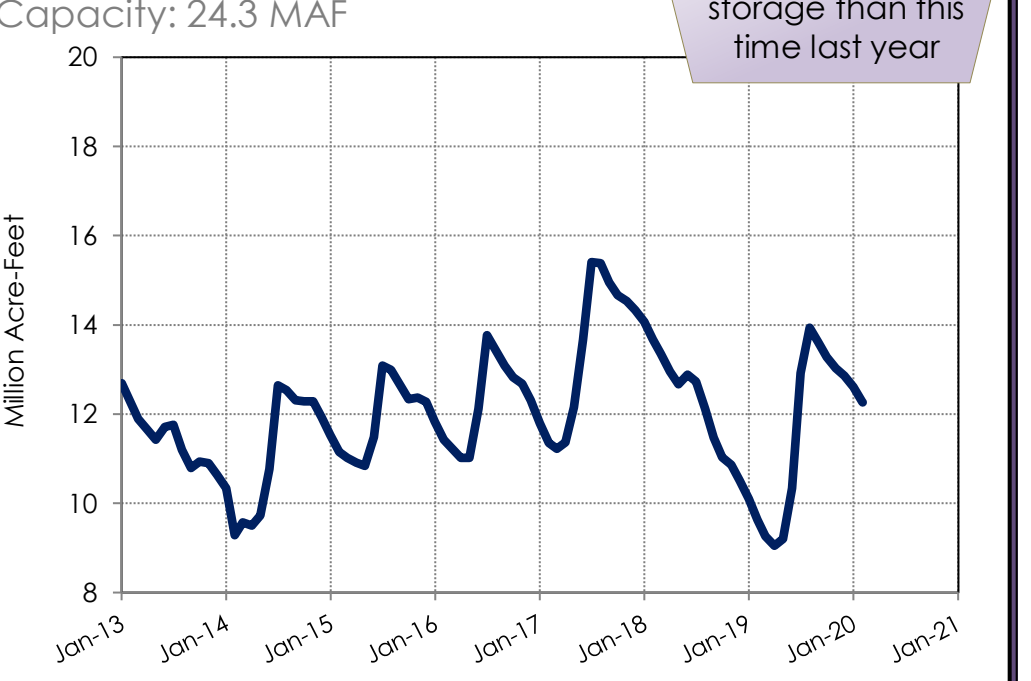
## Upper Colorado Basin Snowpack



## 2020 Colorado River Ag Use

Chart Pending

## Lake Powell Storage

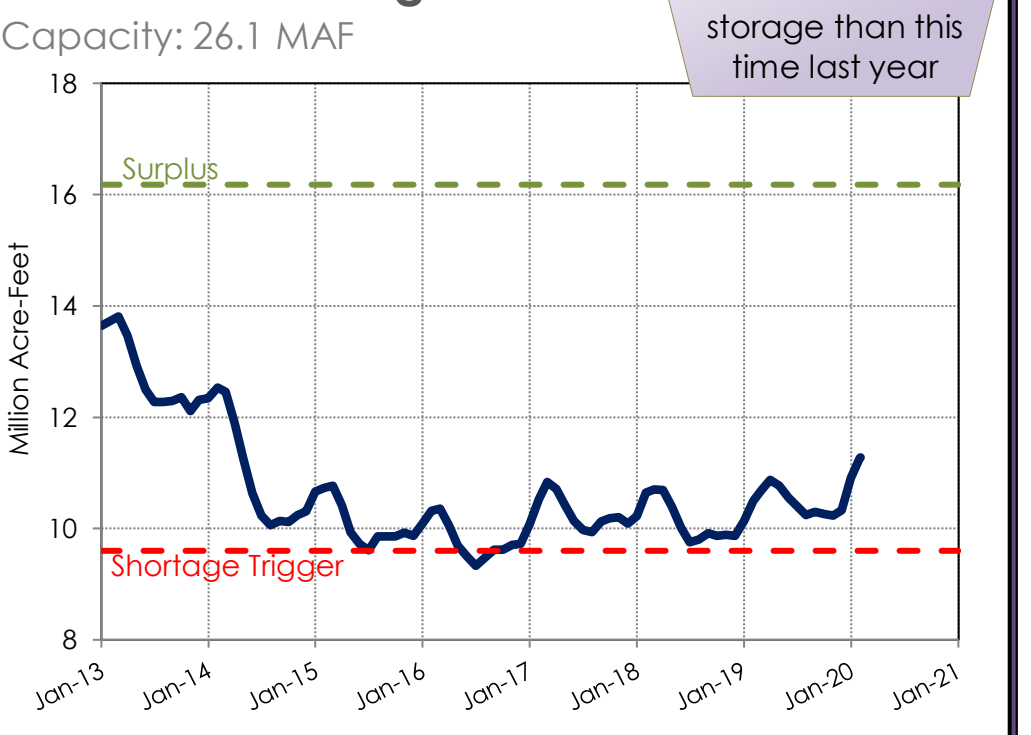


## Lake Mead Shortage/Surplus Outlook

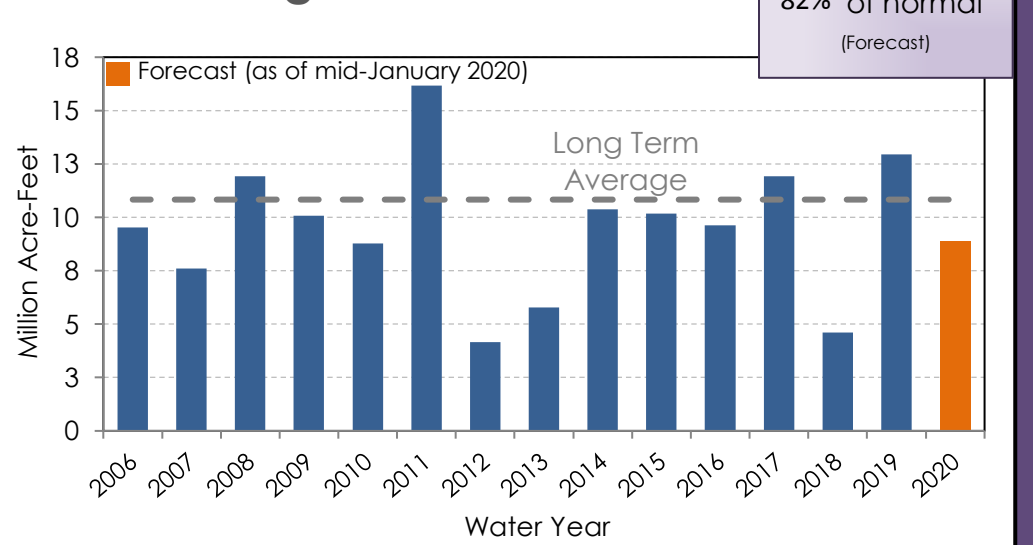
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	33%	37%
Surplus	0%	0%	7%	12%	19%

Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions. (Revised December 2019).

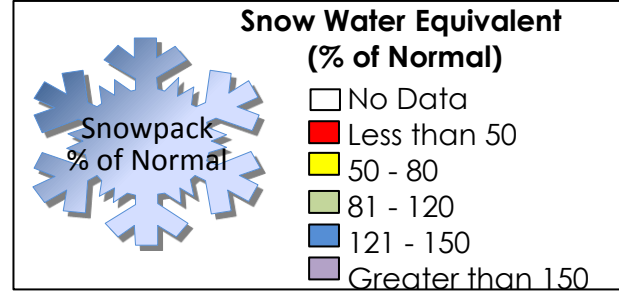
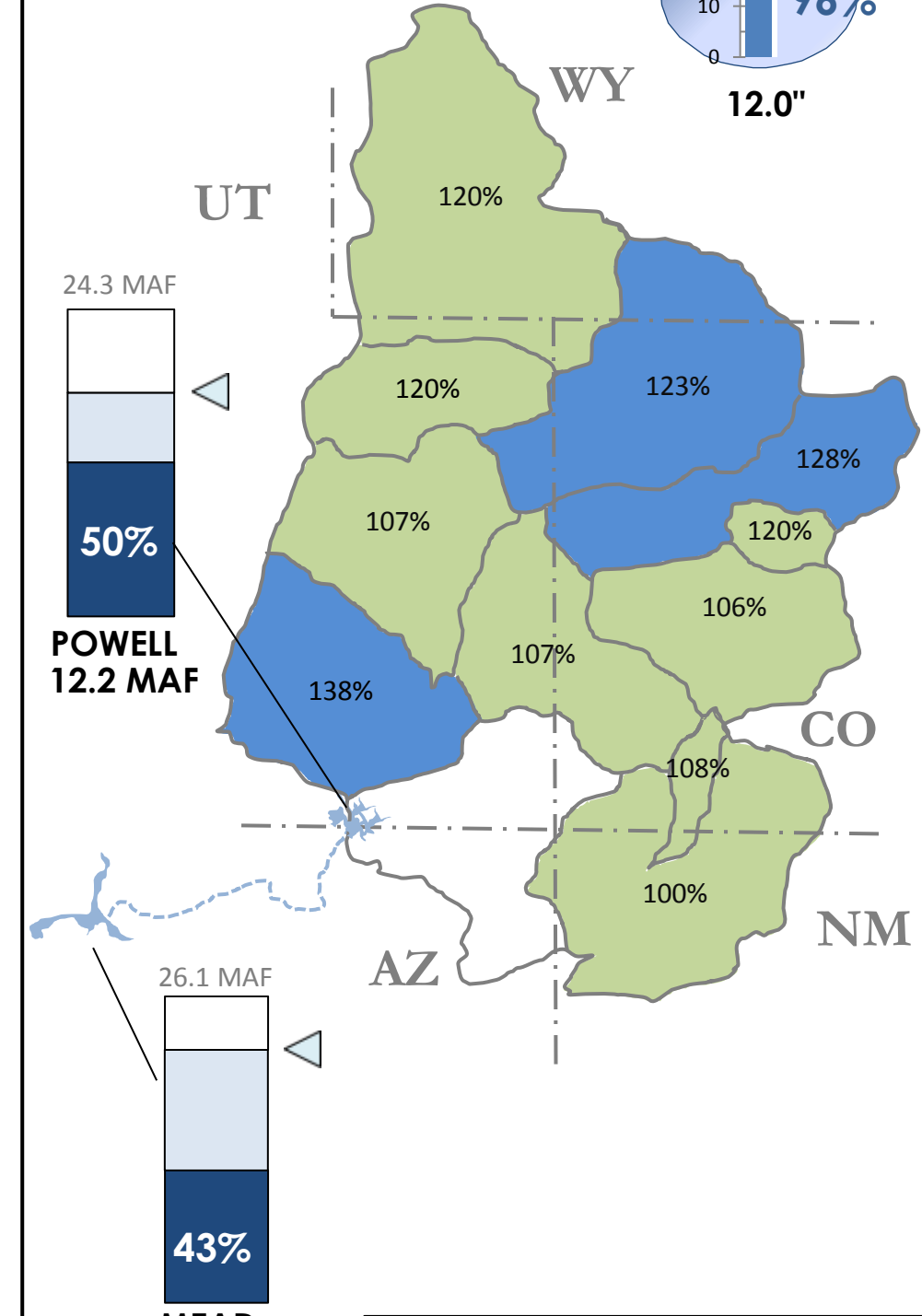
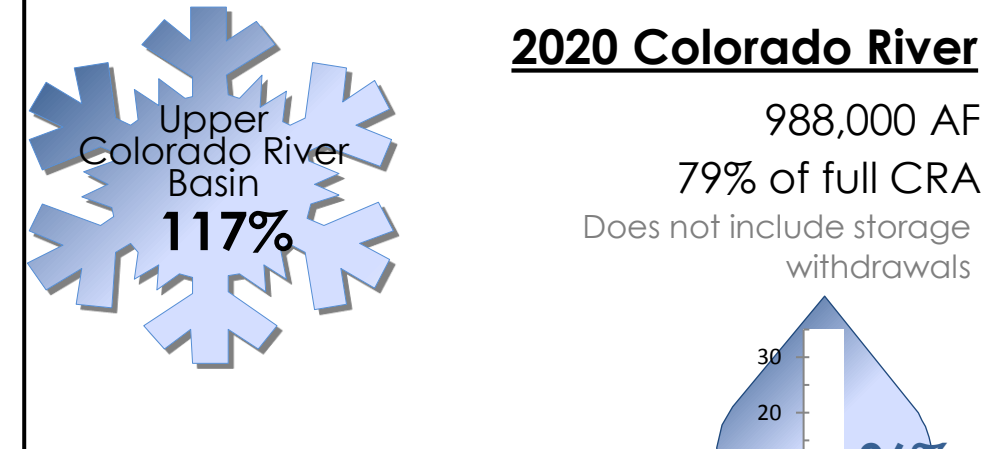
## Lake Mead Storage



## Powell Unregulated Inflow

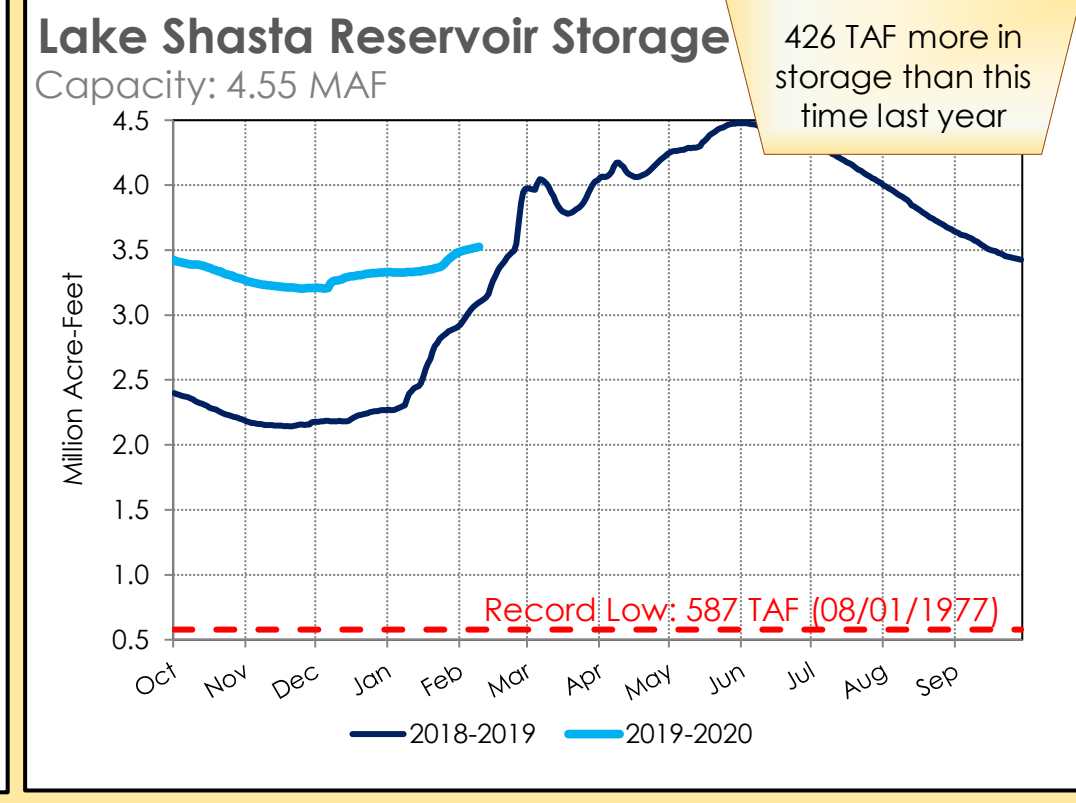
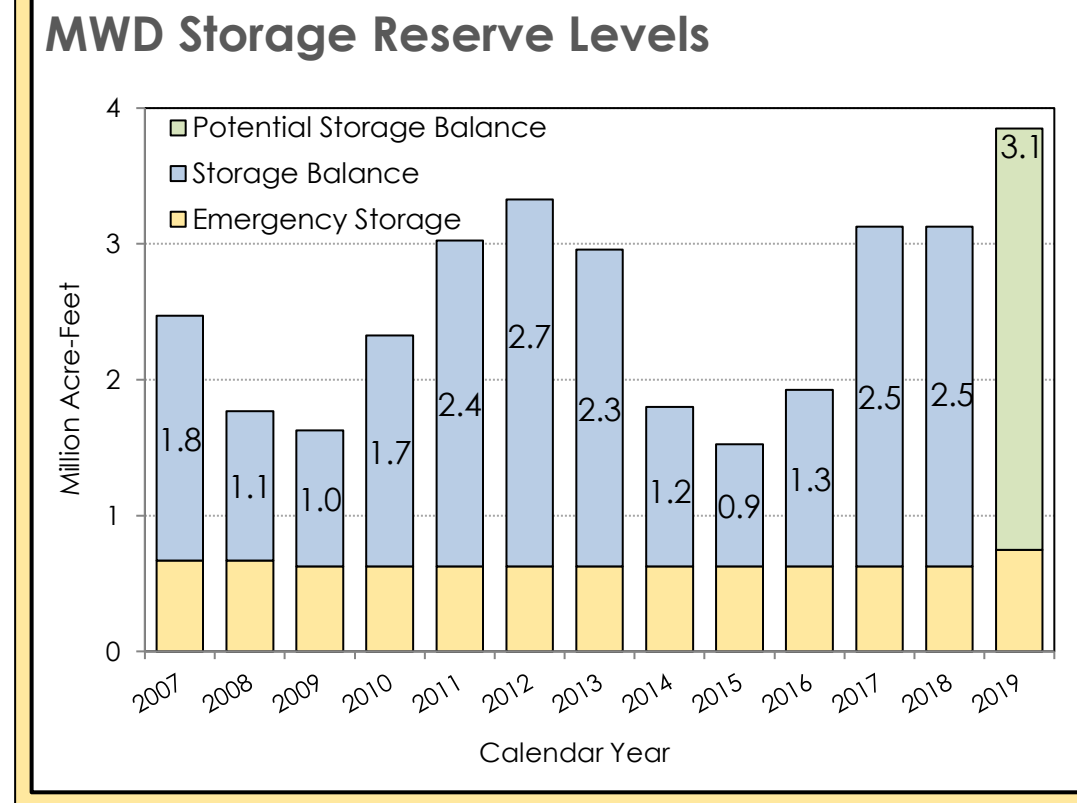
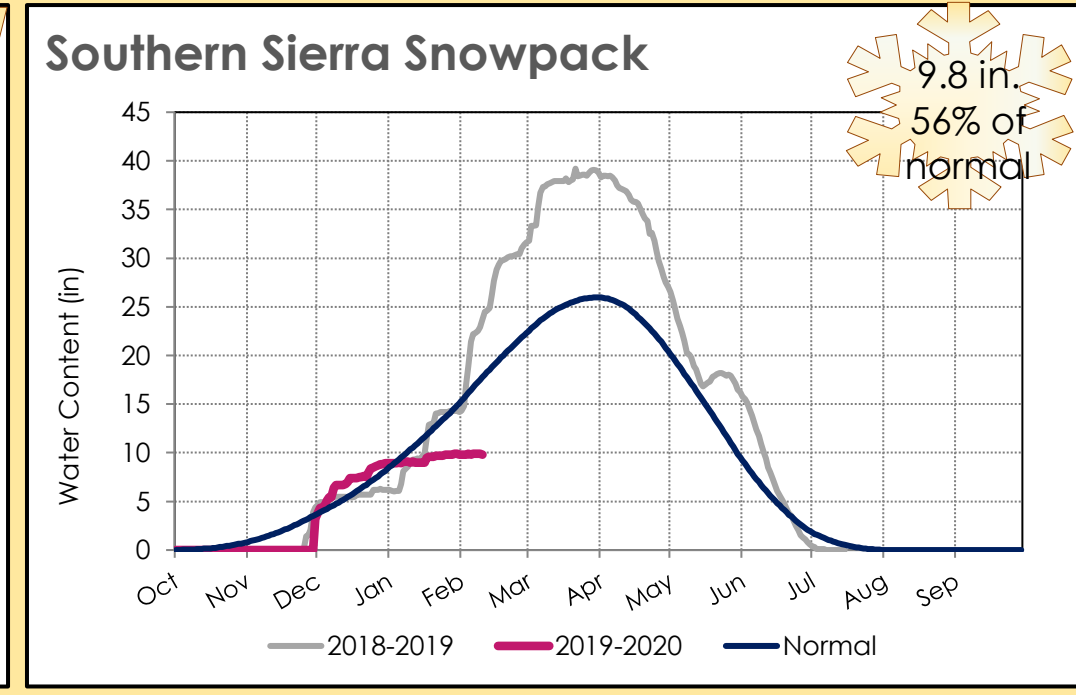
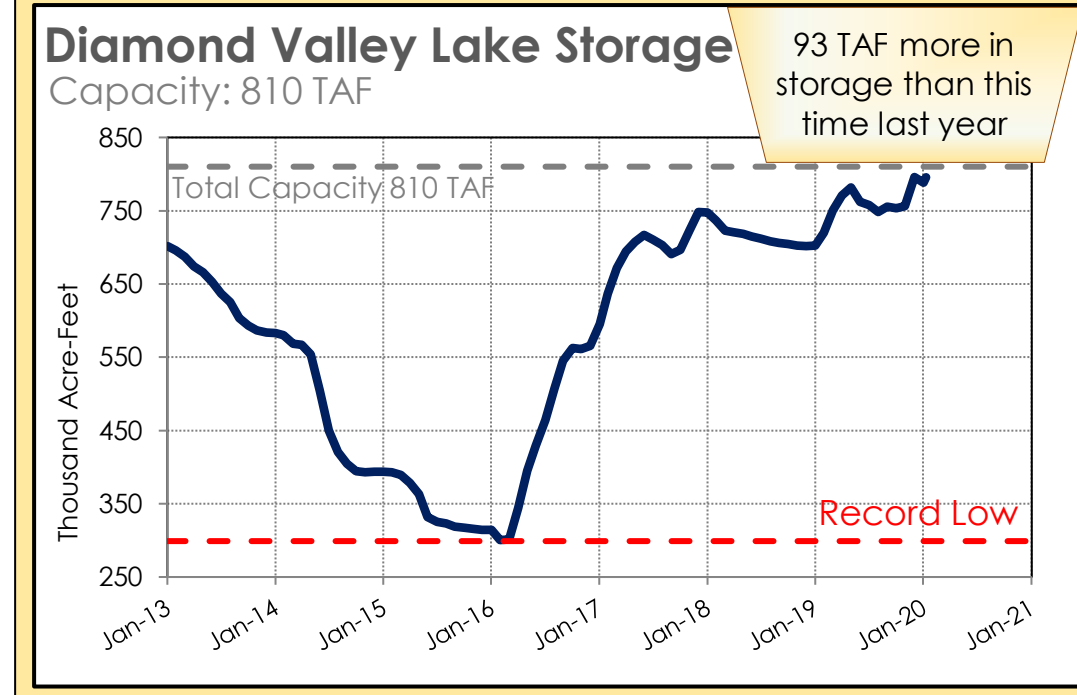






**Highlights**

- Precipitation at the 8-Station is at 59% of normal
- Snow in the Northern Sierra is at 64% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 96% and 117% of normal



**2020 SWP Allocation**  
286,725 AF  
15% of Table A

Statewide **60%**

**63%**  
3.5 MAF  
**OROVILLE**  
2.24 MAF

**76%**  
2.04 MAF  
**SAN LUIS**  
TOT: 1.54 MAF  
SWP: 962 TAF

**73%**  
325 TAF  
**CASTAIC**  
237 TAF

**98%**  
810 TAF  
**DVL**  
796 TAF

**59%**  
WY Avg  
8 STA: 17.8"

**64%**  
Northern Sierra

**50%**  
WY Avg  
5 STA: 11.1"

**56%**  
Southern Sierra

**94%**  
WY Avg  
LA: 7.3"

**127%**  
WY Avg  
SD: 7.2"

WY Avg  
% Normal WY to Date

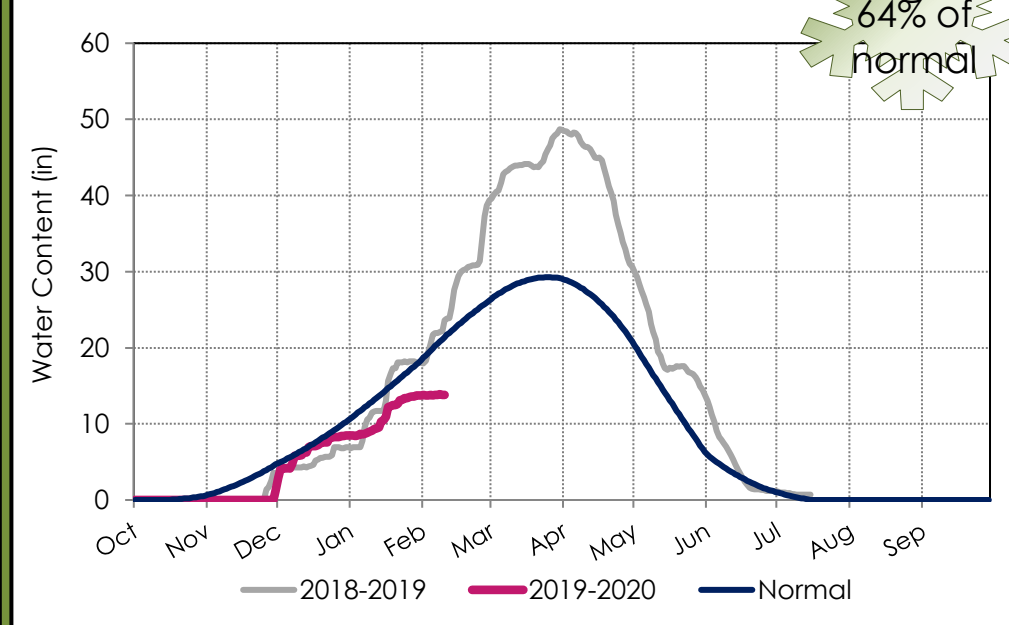
Capacity  
Average EOM  
Current Storage (% Capacity)

Rainfall to Date (in)

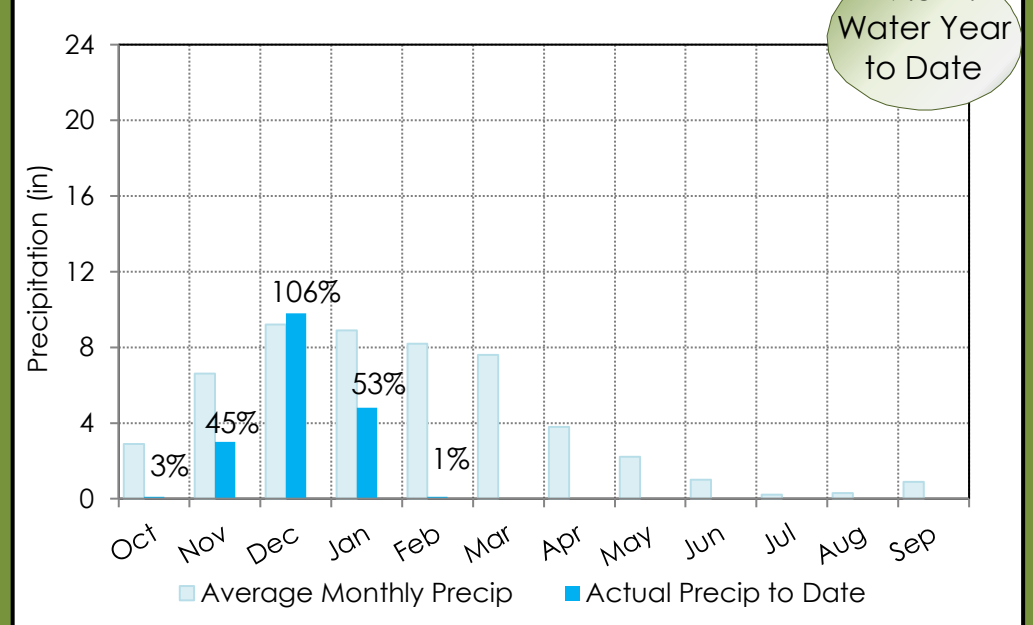
As of: 02/09/2020

# State Water Project Resources

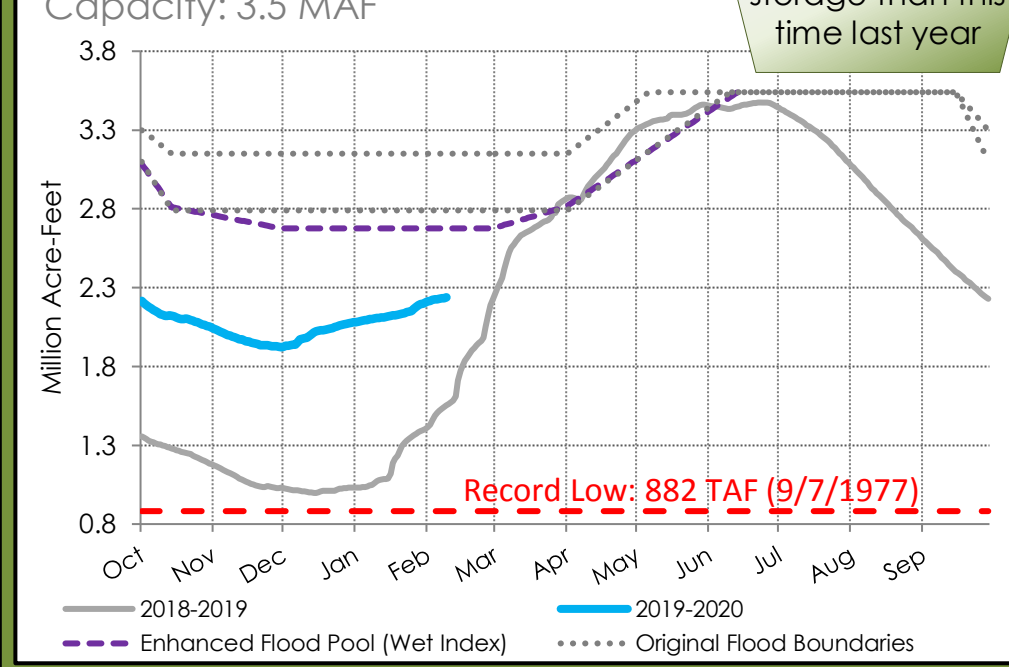
## Northern Sierra Snowpack



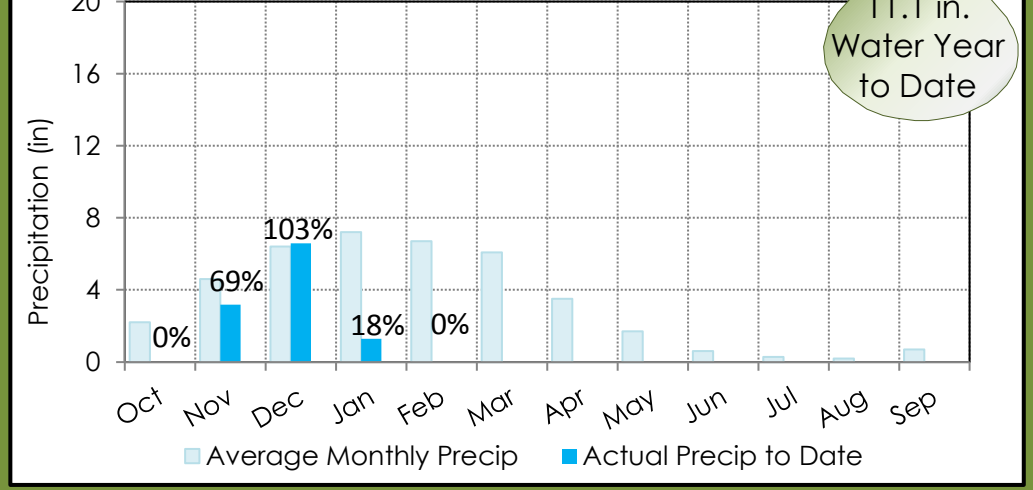
## 8 Station Index Precip



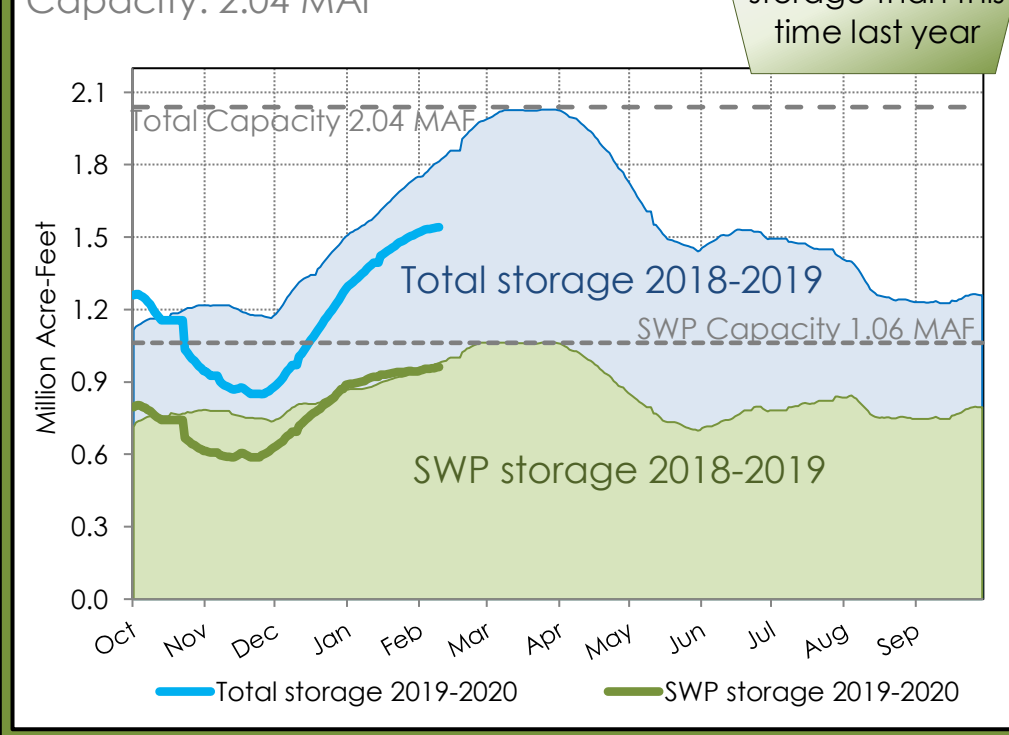
## Oroville Reservoir Storage



## 5 Station Index Precip



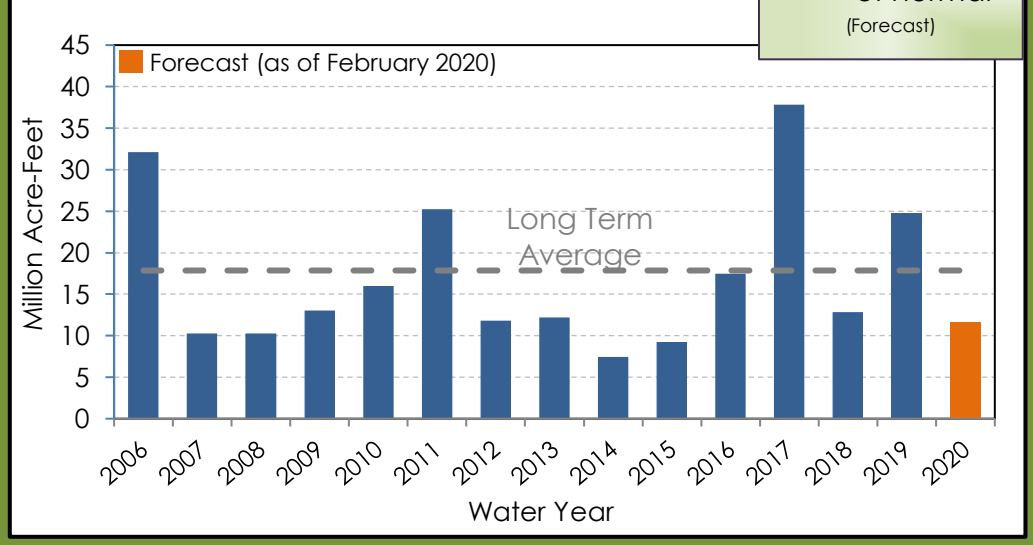
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

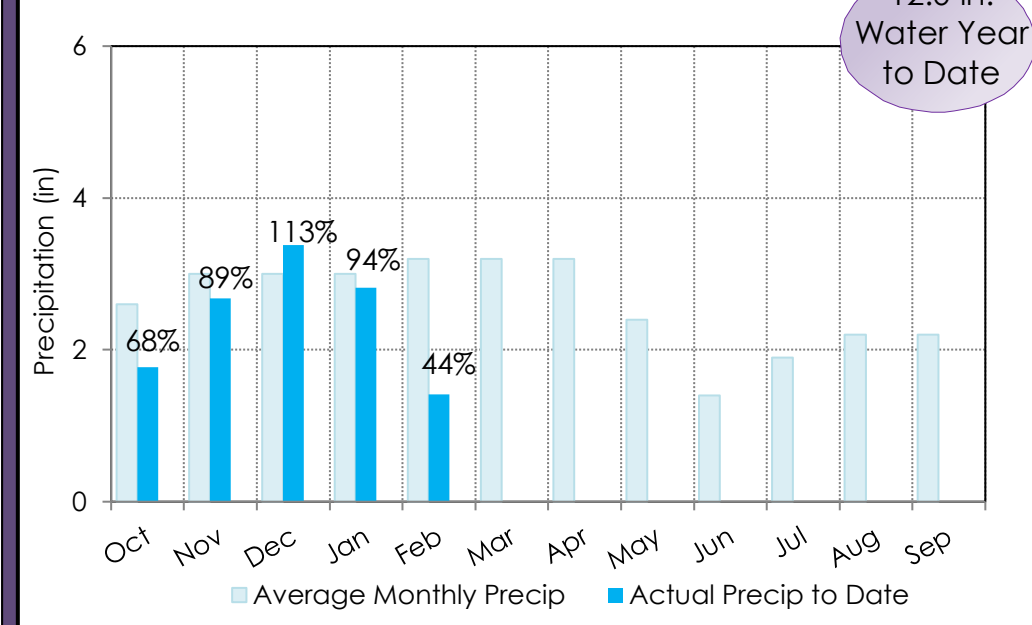
## Sacramento River Runoff



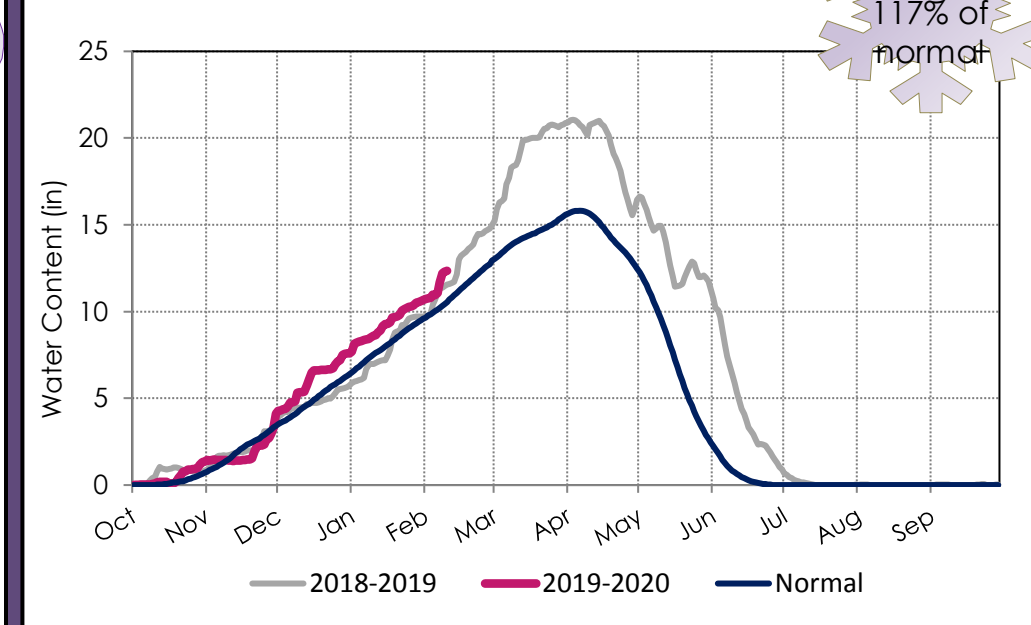
# Colorado River Resources

As of: 02/09/2020

## Upper Colorado Basin Precip



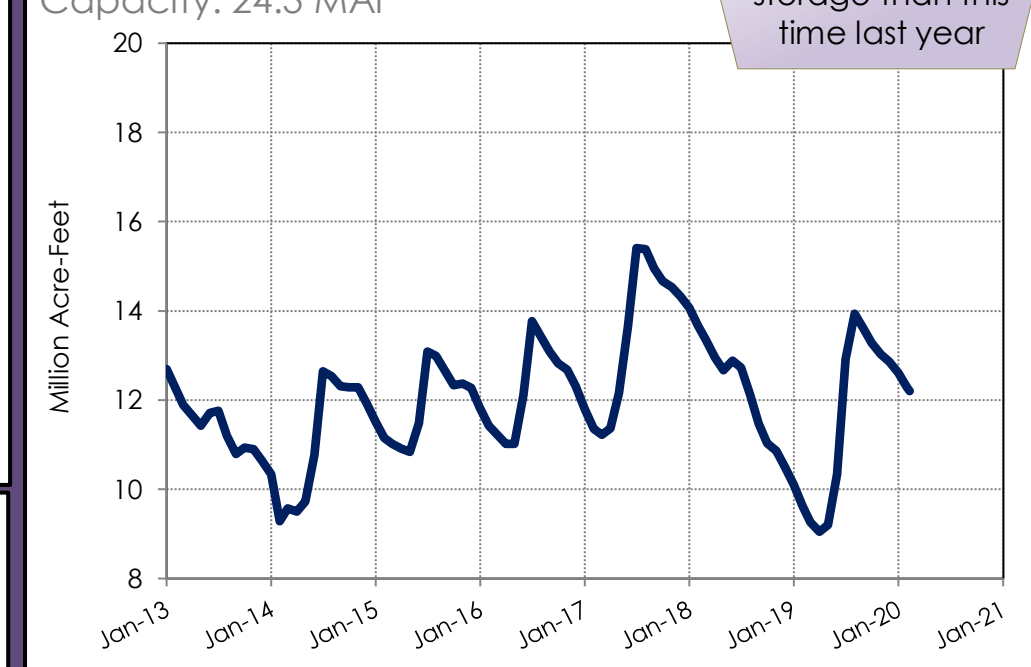
## Upper Colorado Basin Snowpack



## 2020 Colorado River Ag Use

Chart Pending

## Lake Powell Storage

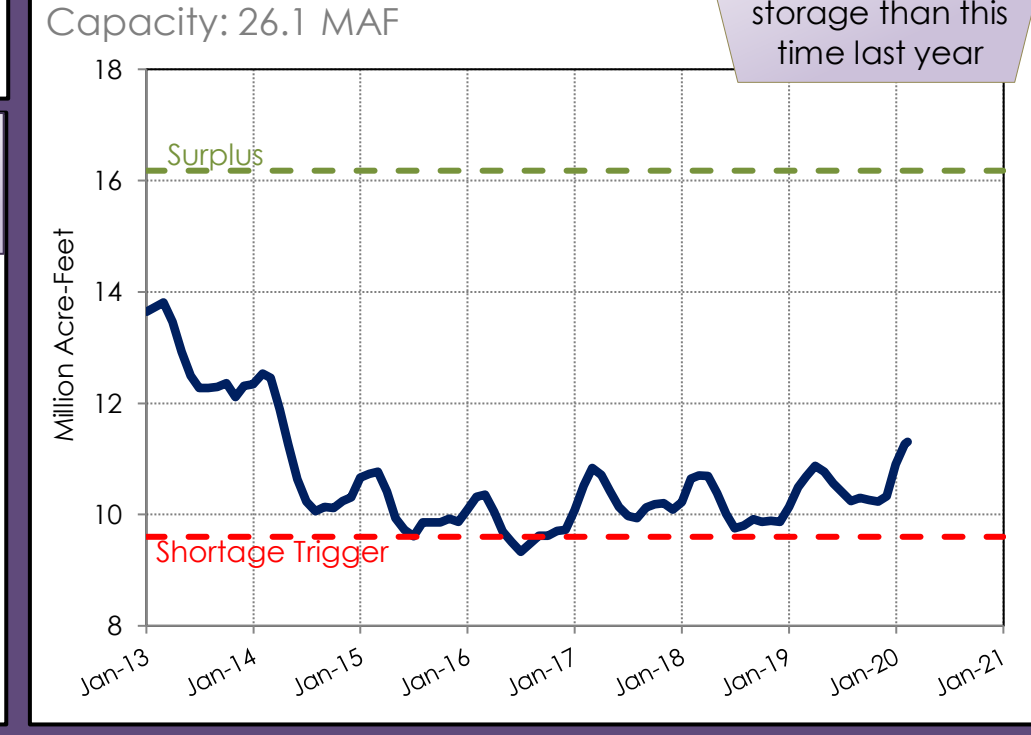


## Lake Mead Shortage/Surplus Outlook

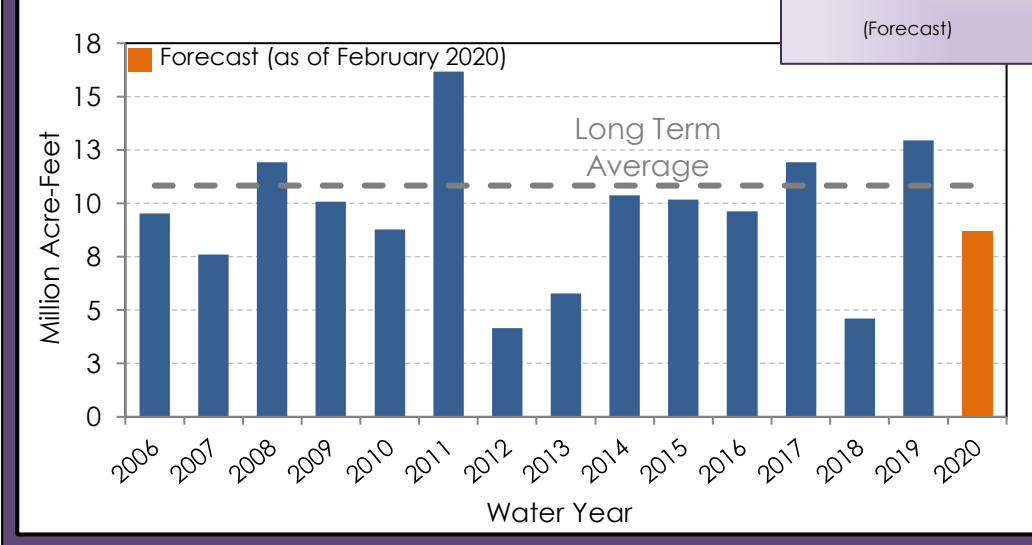
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	33%	37%
Surplus	0%	0%	7%	12%	19%

Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions. (Revised December 2019).

## Lake Mead Storage



## Powell Unregulated Inflow





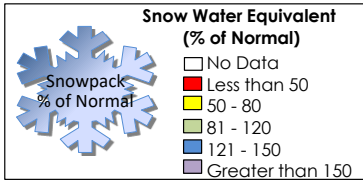
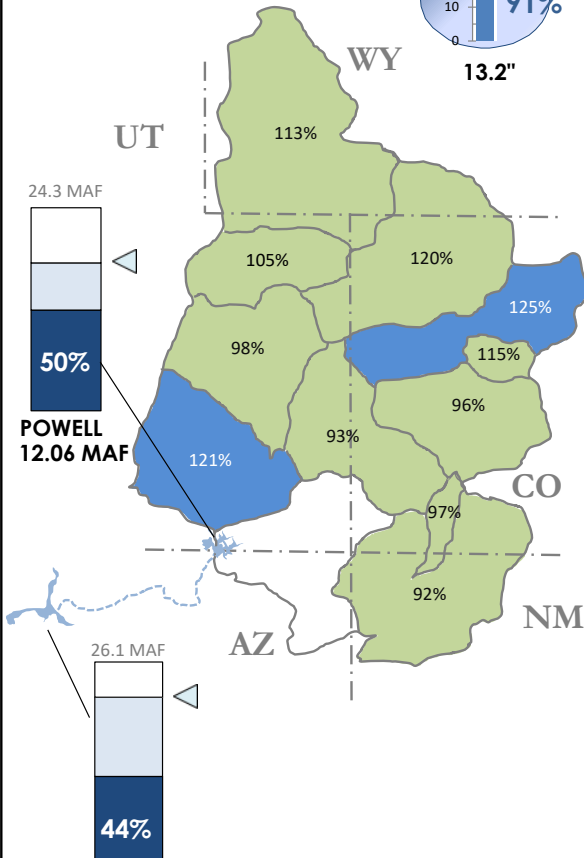
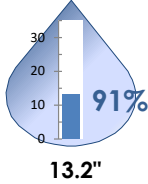
# Water Supply Conditions Report

As of: 02/24/2020



## 2020 Colorado River

988,000 AF  
79% of full CRA  
Does not include storage withdrawals



Turn page for more CRA Data

Flip Over for SWP Data

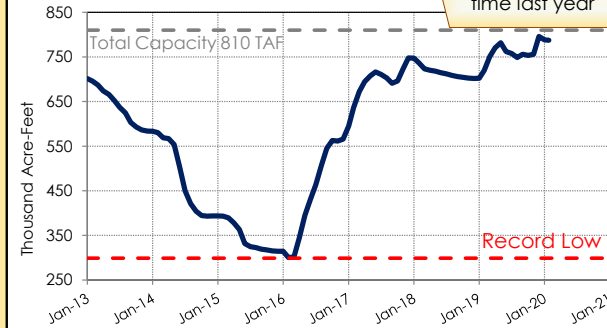
## Highlights

- Precipitation at the 8-Station is at 52% of normal
- Snow in the Northern Sierra is at 54% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 91% and 109% of normal

## Diamond Valley Lake Storage

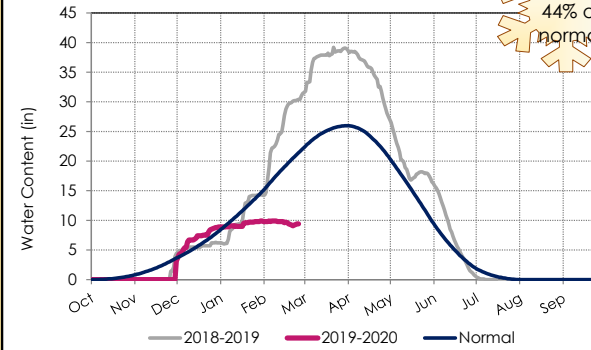
Capacity: 810 TAF

72 TAF more in storage than this time last year

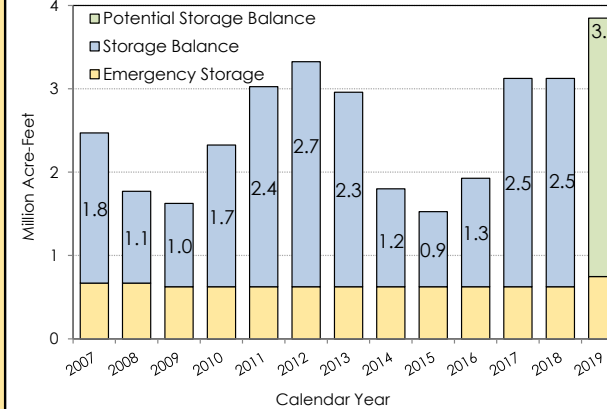


## Southern Sierra Snowpack

9.4 in. 44% of normal



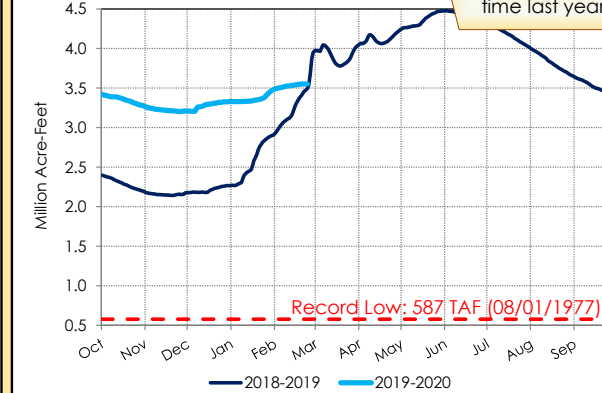
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

56 TAF more in storage than this time last year



This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale.

<http://www.mwdh2o.com/WSCR>

This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters. Questions? Email mferreira@mwdh2o.com

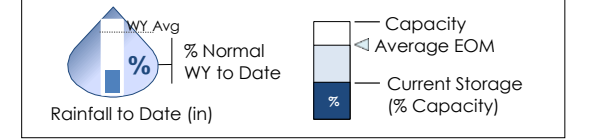
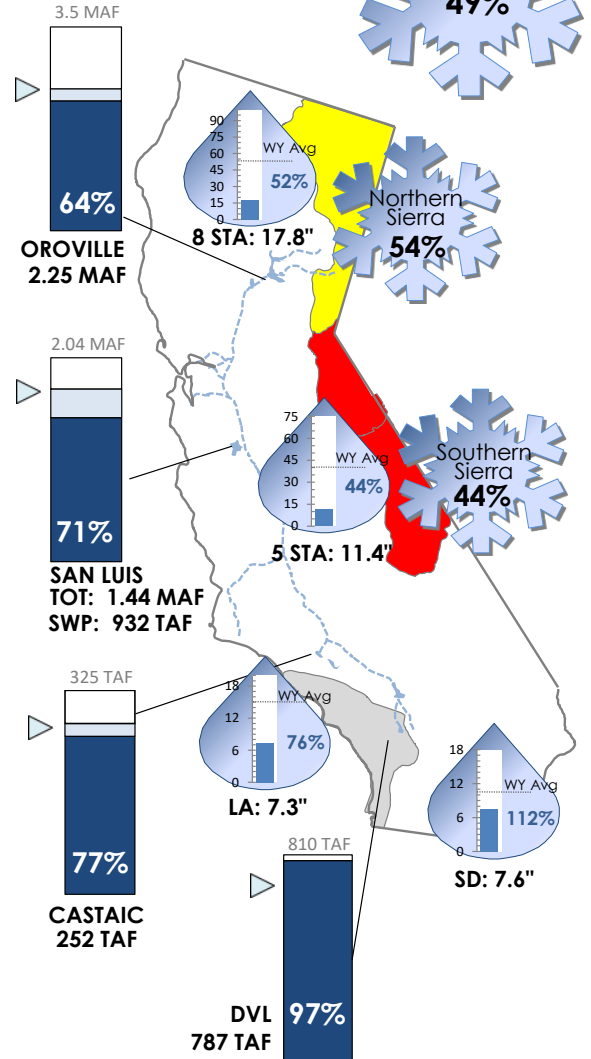
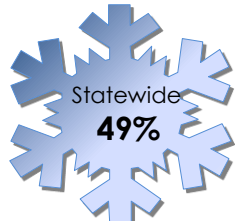


# Water Supply Conditions Report

As of: 02/24/2020

## 2020 SWP Allocation

286,725 AF  
15% of Table A



Flip Over for CRA Data

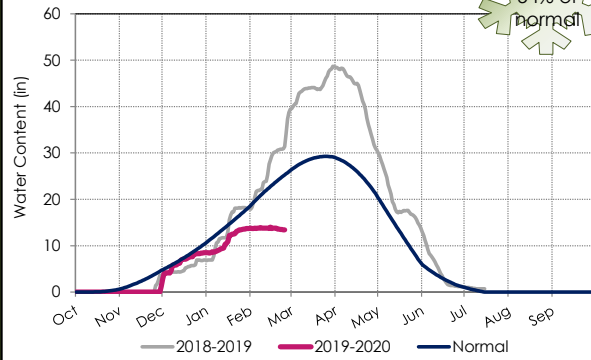
Turn page for more SWP Data

As of: 02/24/2020

# State Water Project Resources

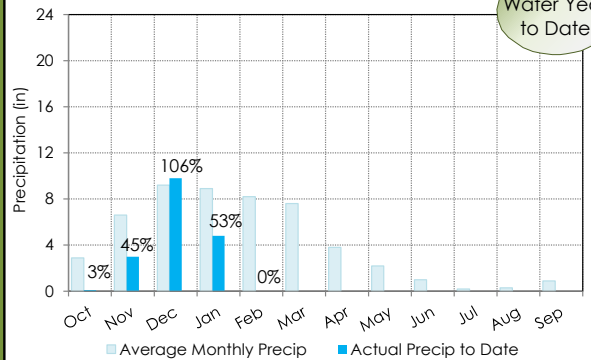
## Northern Sierra Snowpack

13.4 in.  
54% of normal



## 8 Station Index Precip

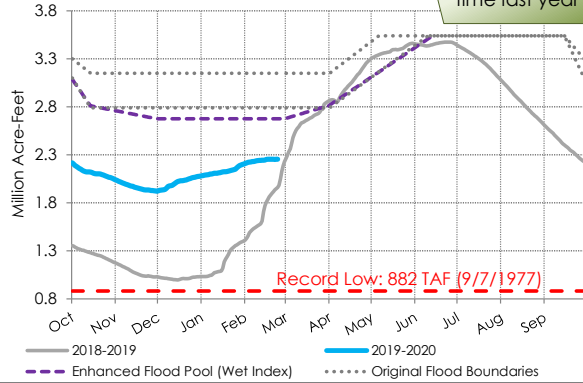
17.8 in.  
Water Year to Date



## Oroville Reservoir Storage

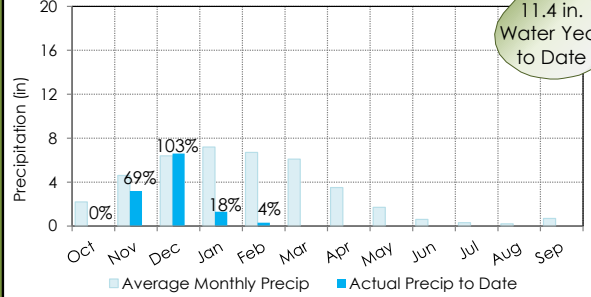
Capacity: 3.5 MAF

293 TAF more in storage than this time last year



## 5 Station Index Precip

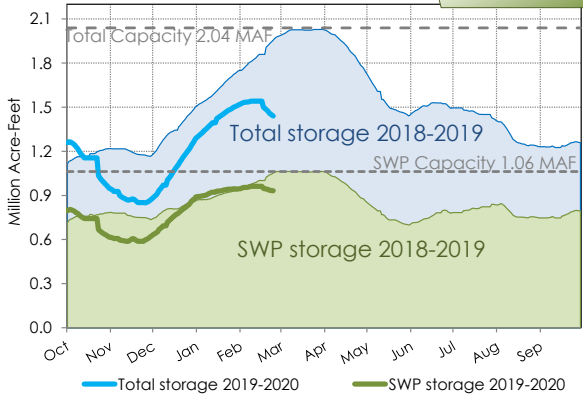
11.4 in.  
Water Year to Date



## San Luis Reservoir Storage

Capacity: 2.04 MAF

120 TAF less in SWP storage than this time last year

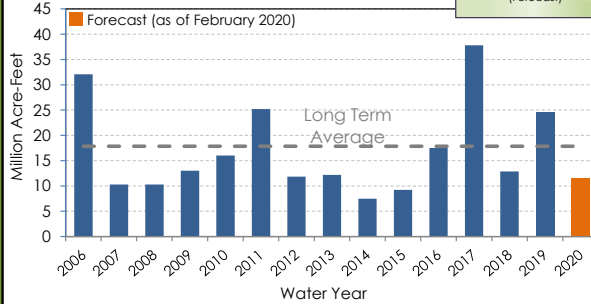


## Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

## Sacramento River Runoff

WY 2020  
65% of normal  
(Forecast)

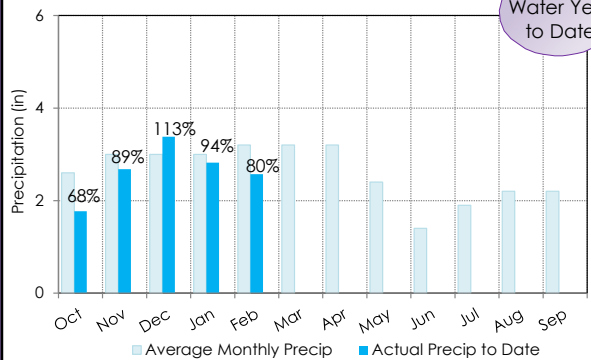


# Colorado River Resources

As of: 02/24/2020

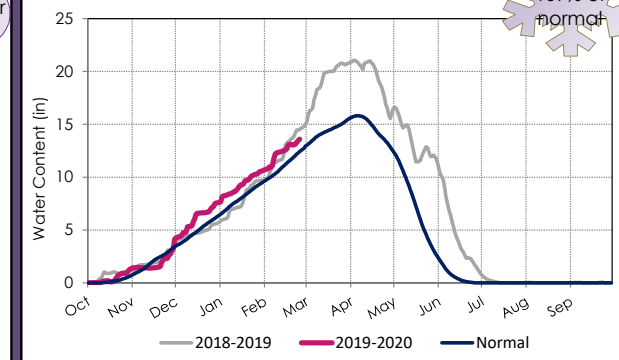
## Upper Colorado Basin Precip

13.2 in.  
Water Year to Date

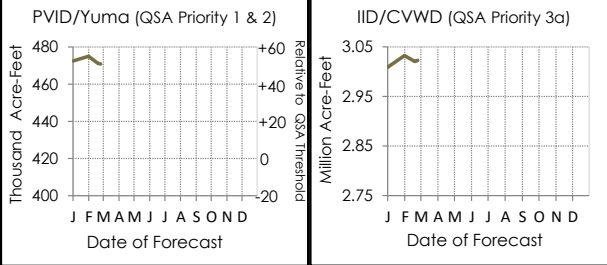


## Upper Colorado Basin Snowpack

13.6 in.  
109% of normal



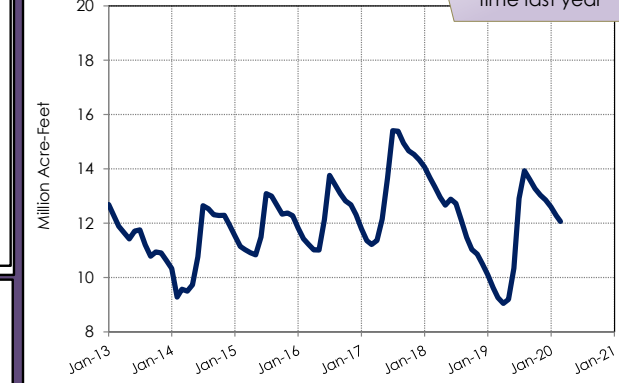
## 2020 Colorado River Ag Use



## Lake Powell Storage

Capacity: 24.3 MAF

2.74 MAF more in storage than this time last year



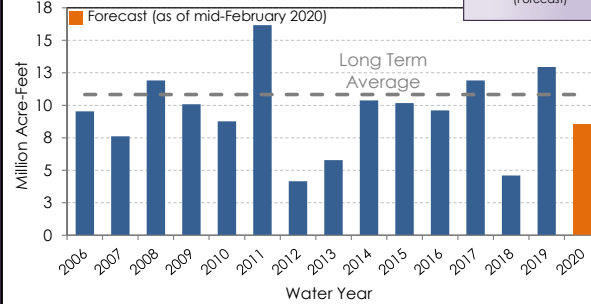
## Lake Mead Shortage/Surplus Outlook

	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	33%	37%
Surplus	0%	0%	7%	12%	19%

Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions. (Revised December 2019).

## Powell Unregulated Inflow

WY 2020  
79% of normal  
(Forecast)



## Lake Mead Storage

Capacity: 26.1 MAF

764 TAF more in storage than this time last year

