RECLAMATION

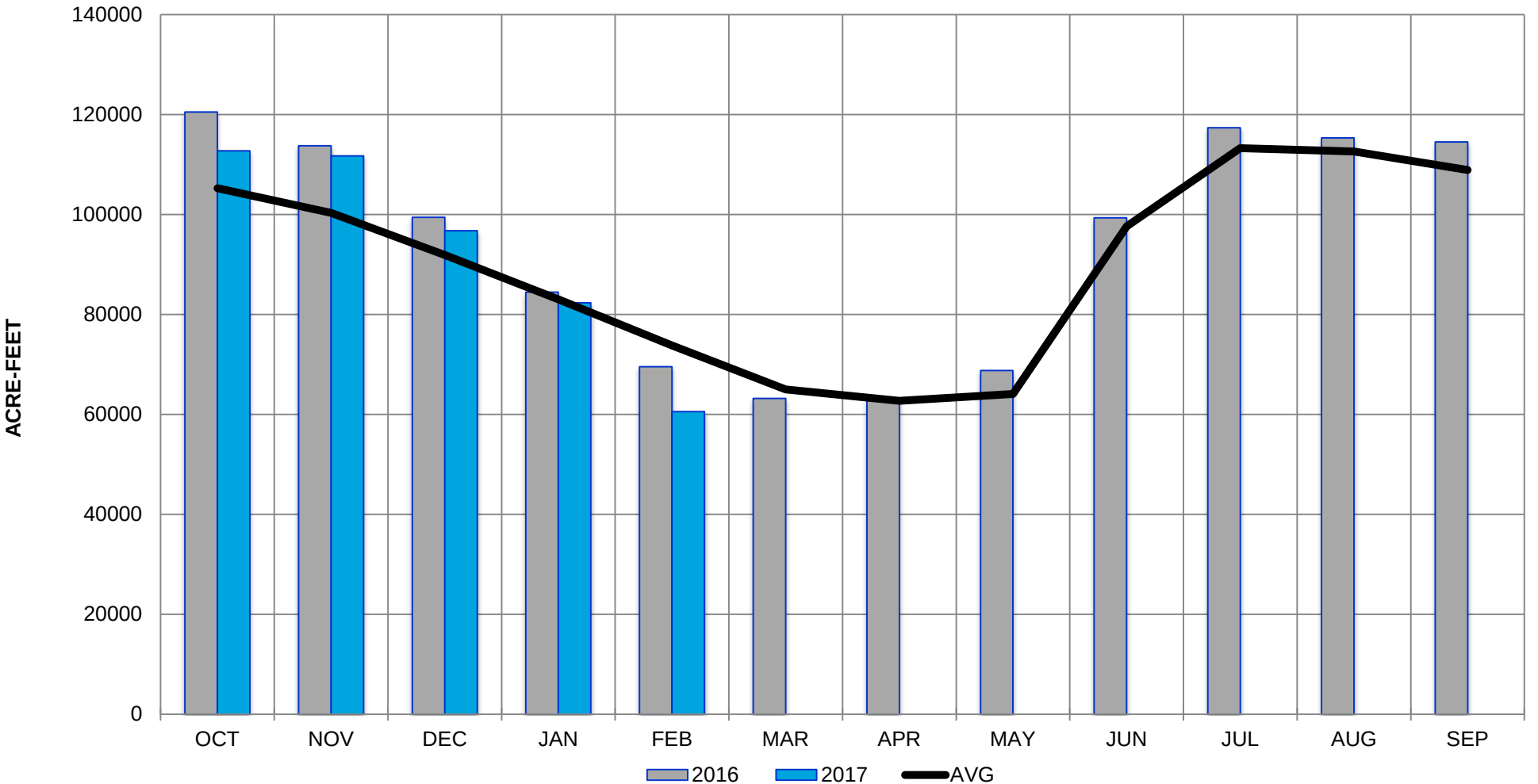
Managing Water in the West

As of February 13, 2017

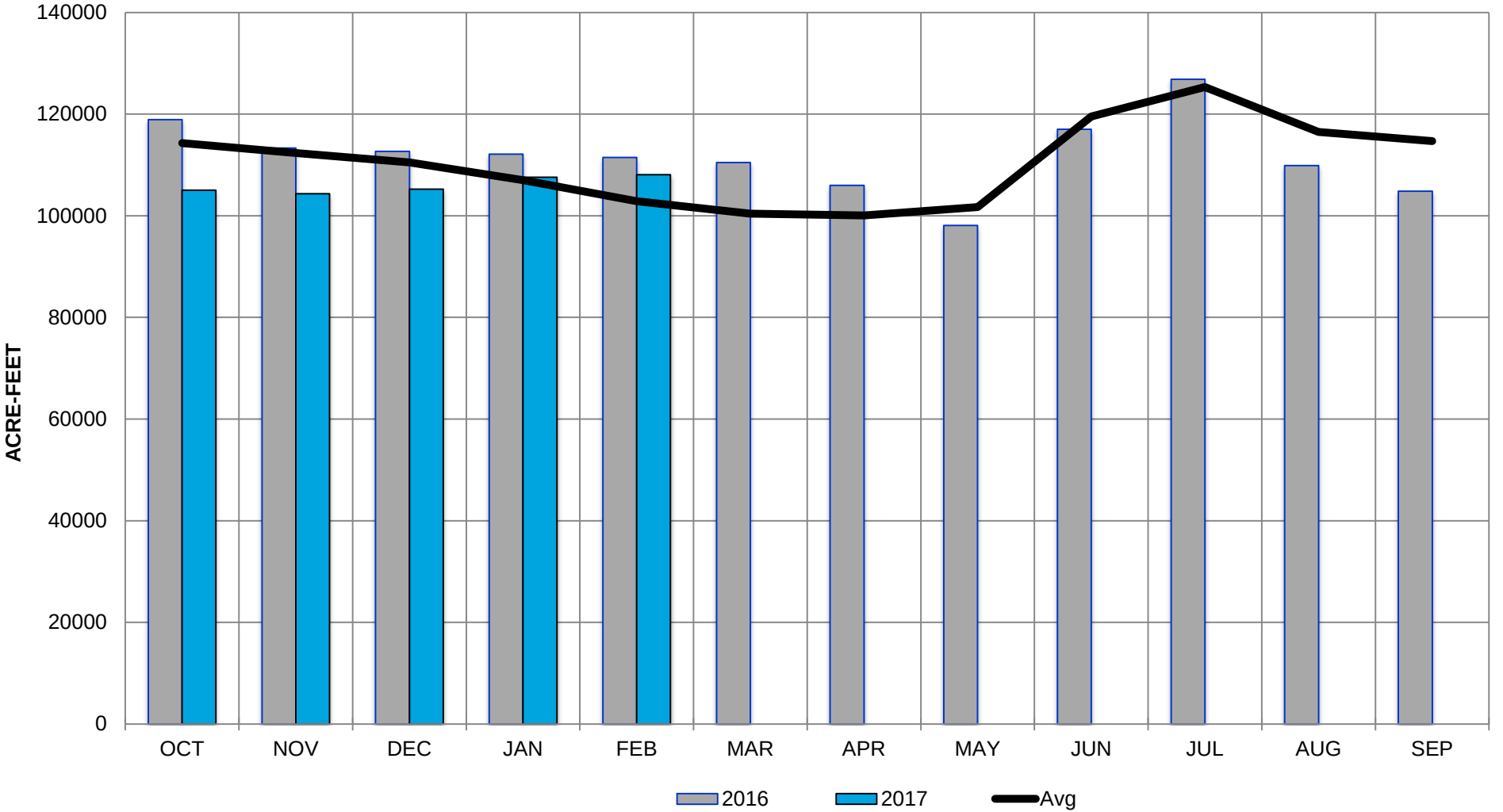
- 239,254 a/f stored in Pueblo
- 146,179 a/f of Project water
- 40,646 a/f of excess capacity water
- 52,427 a/f of winter water
- 99,194 a/f of Project space in Pueblo
- 53,011 a/f of Project space in Twin & Turquoise

U.S. Department of the Interior
Bureau of Reclamation

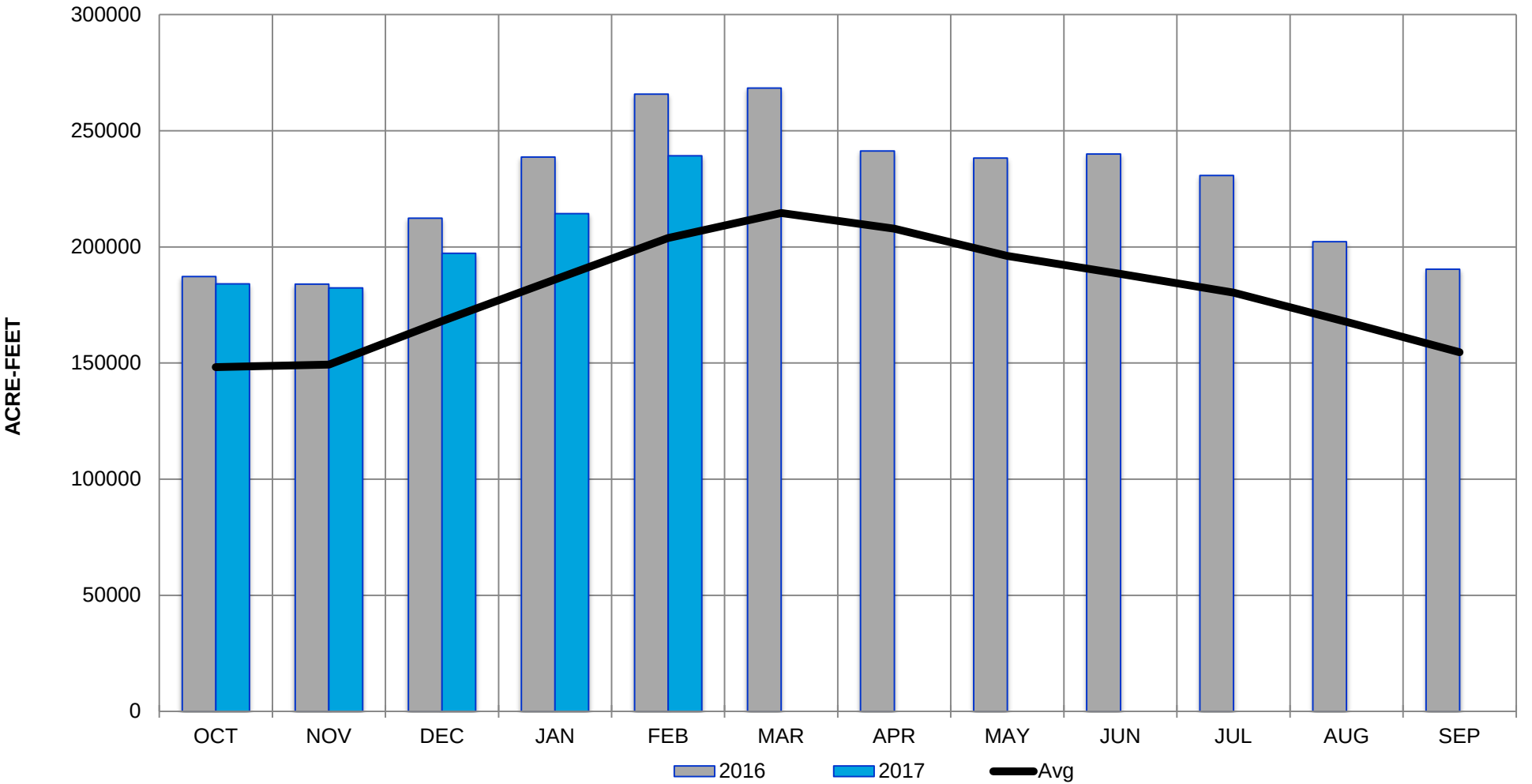
TURQUOISE LAKE

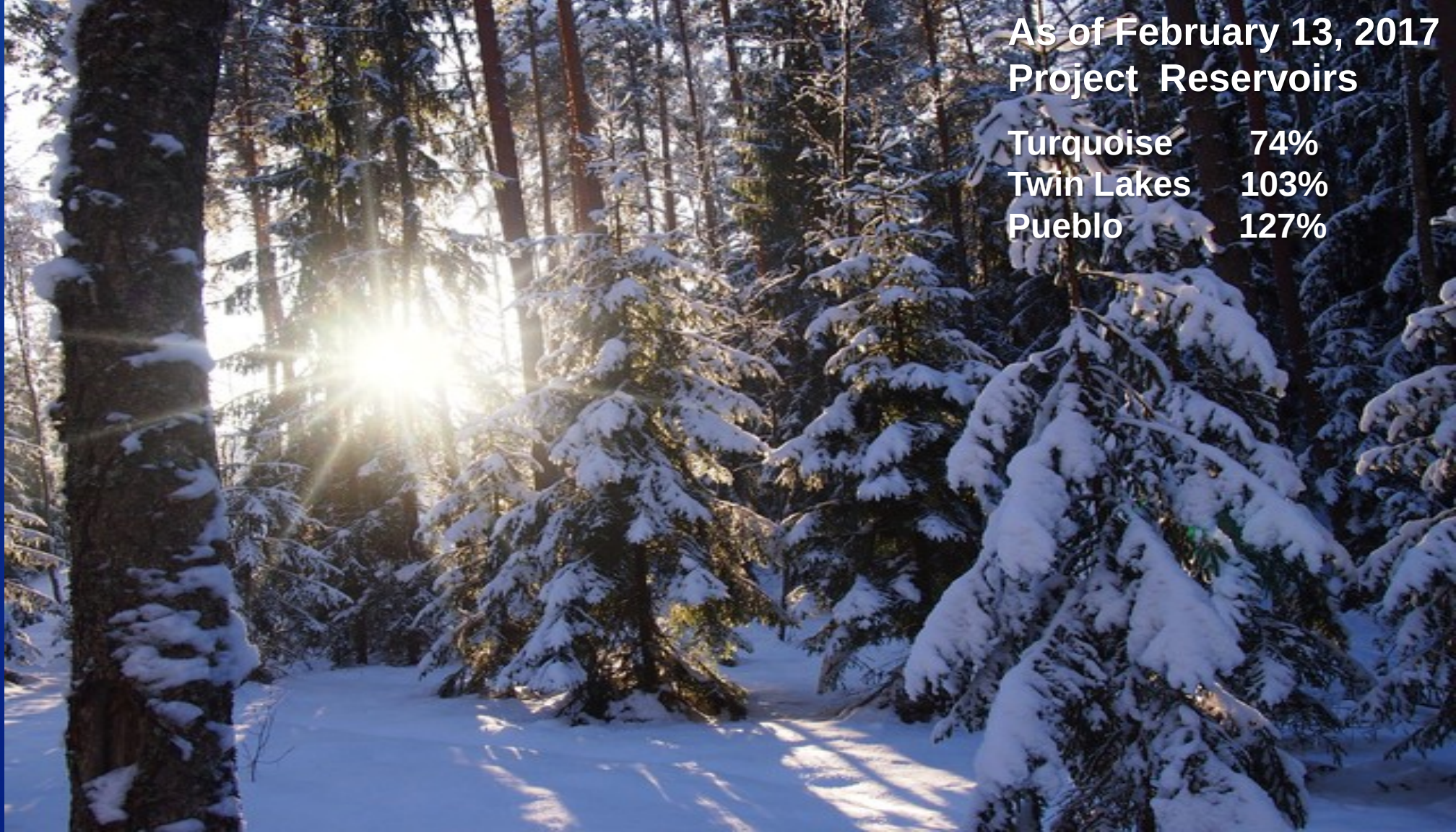


TWIN LAKES


140000
120000
100000
80000
60000
40000
20000
0
ACRE-FEET
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
2016
2017
Avg

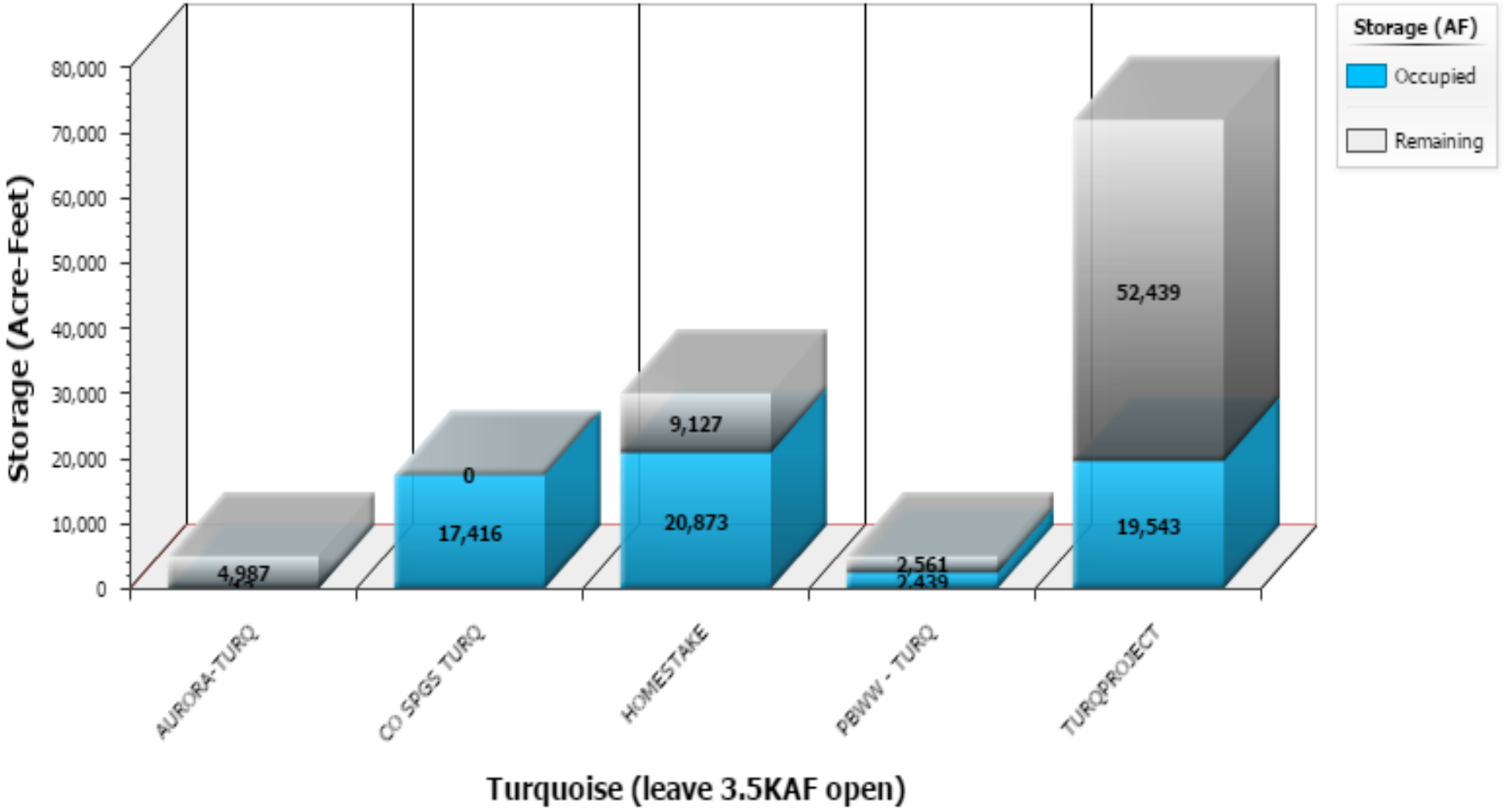
PUEBLO RESERVOIR

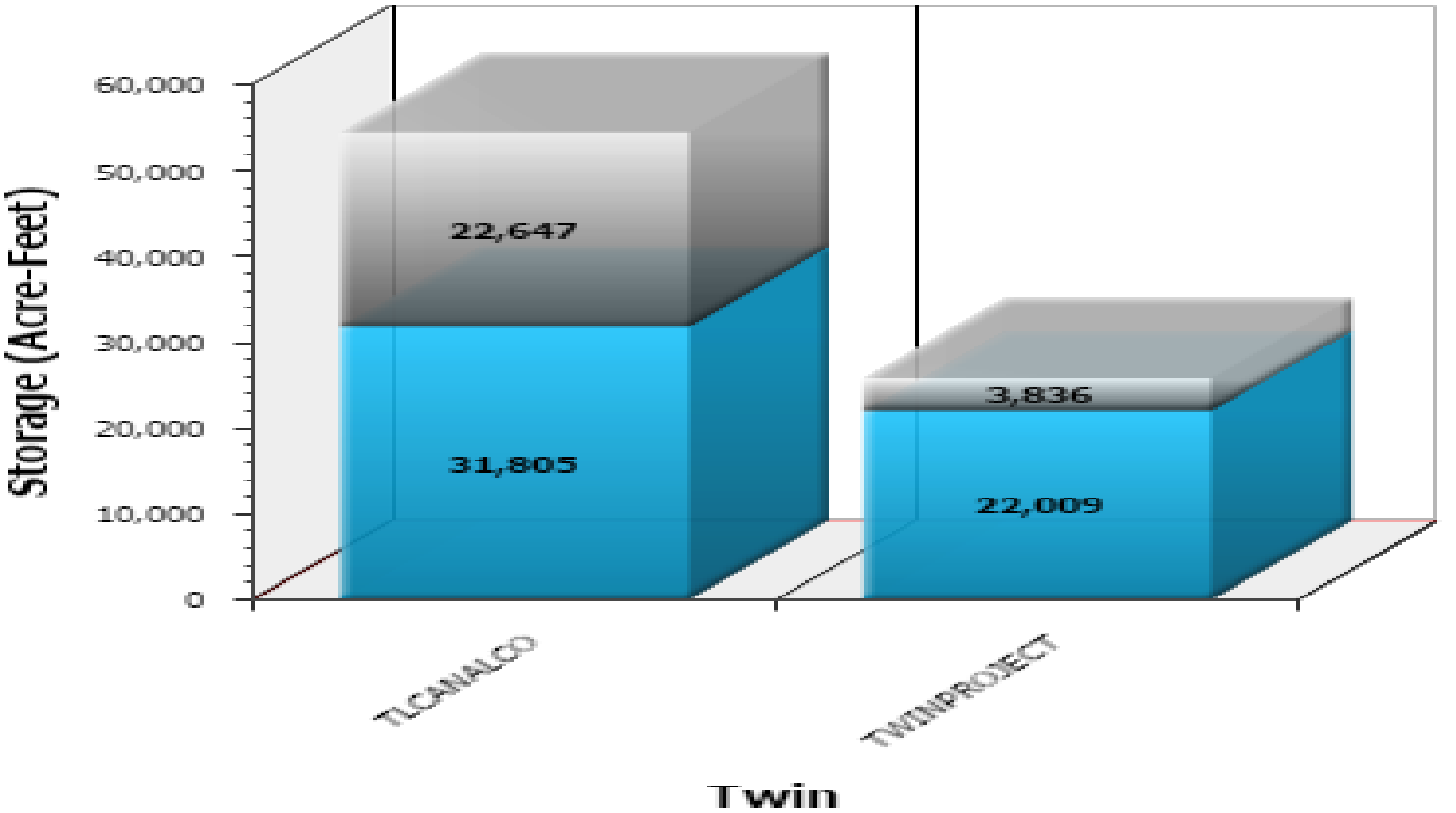


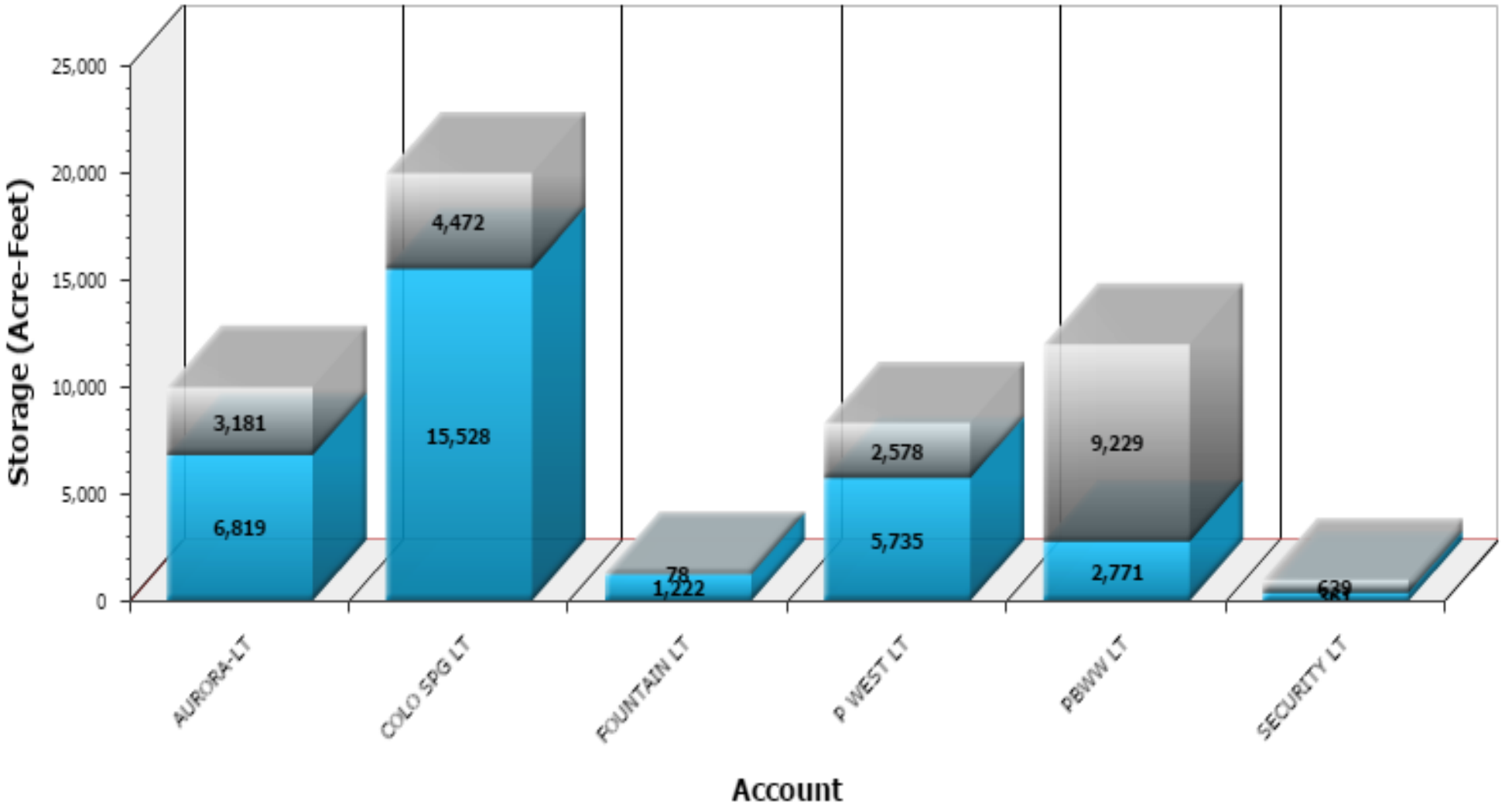


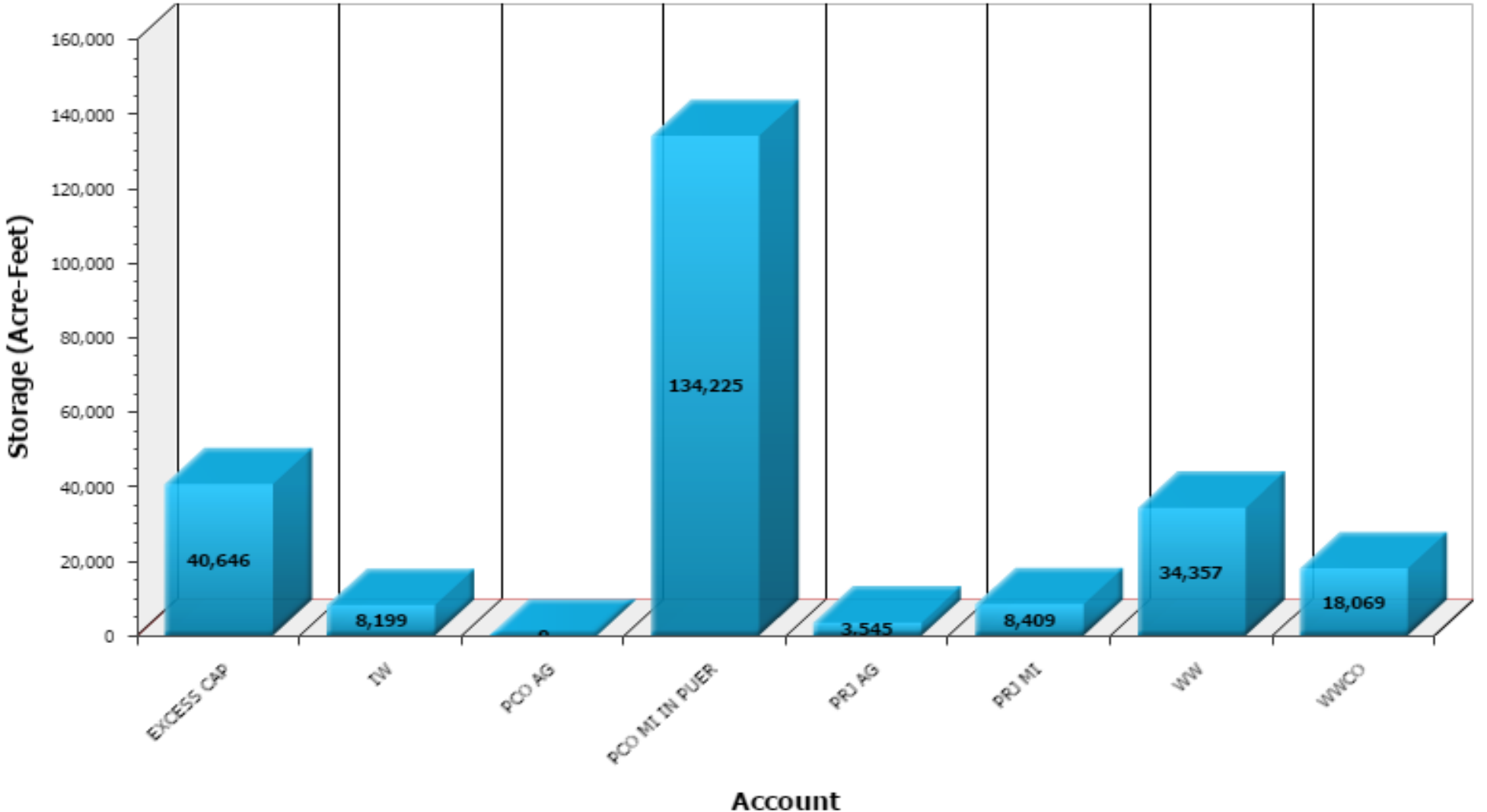
As of February 13, 2017
Project Reservoirs

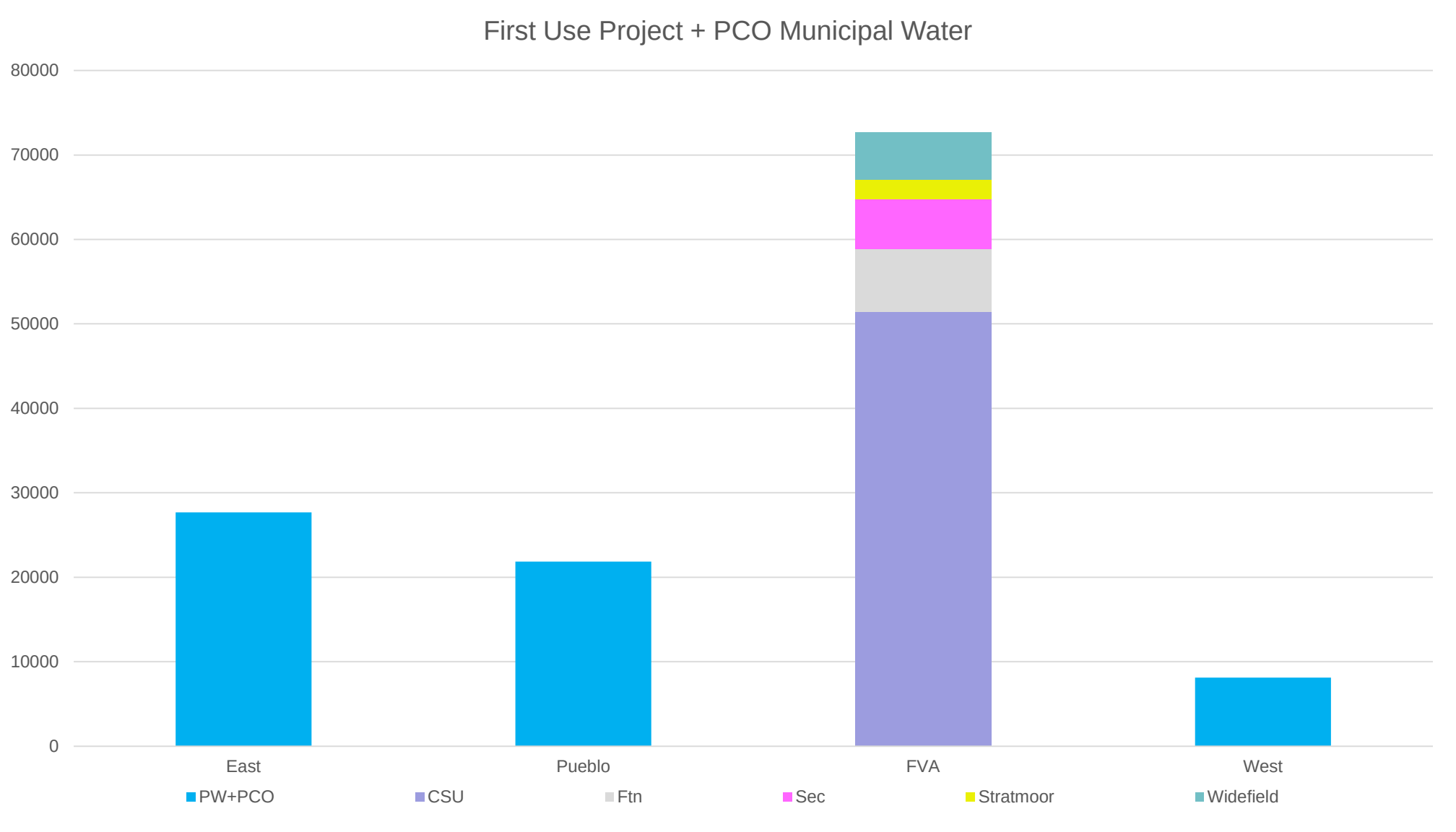
Turquoise	74%
Twin Lakes	103%
Pueblo	127%


Storage (AF)
Occupied
Remaining
Storage (Acre-Feet)
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
4,987
0
17,416
9,127
20,873
2,561
2,439
52,439
19,543
AURORA-TURQ
CO SPGS TURQ
HOMESTAKE
PBWW - TURQ
TURQPROJECT
Turquoise (leave 3.5KAF open)


Storage (Acre-Feet)
60,000
50,000
40,000
30,000
20,000
10,000
0
22,647
31,805
3,836
22,009
TLCANALCO
TWINPROJECT
Twin


Storage (Acre-Feet)
25,000
20,000
15,000
10,000
5,000
0
3,181
6,819
4,472
15,528
78
1,222
2,578
5,735
9,229
2,771
639
AURORA-LT
COLO SPG LT
FOUNTAIN LT
P WEST LT
PBWW LT
SECURITY LT
Account


Storage (Acre-Feet)
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
40,646
8,199
0
134,225
3,545
8,409
34,357
18,069
EXCESS CAP
TW
PCO AG
PCO MI IN PUER
PRJ AG
PRJ MI
WW
WWCO
Account


First Use Project + PCO Municipal Water
80000
70000
60000
50000
40000
30000
20000
10000
0
East
Pueblo
FVA
West
PW+PCO
CSU
Ftn
Sec
Stratmoor
Widefield

January 31, 2017

Total M&I PW in the system = 128,971

- EAST = 27,627
- WEST = 8,072
- PUEBLO = 20,910
- FVA = 72,362
  - *CSU = 51,357*
  - *Fountain = 7,307*
  - *Security = 5,863*
  - *Stratmoor = 2,248*
  - *Widefield = 5,587*

RECLAMATION

Winter Operations

- The collection system has been winterized
- Mt Elbert conduit is presently running 350 cfs
- Currently moving 205 cfs from Twin to Pueblo
- Plan on moving an additional ~20,000 a/f from the upper reservoirs.
- Movement of water will be adjusted according to the forecast and customers needs.

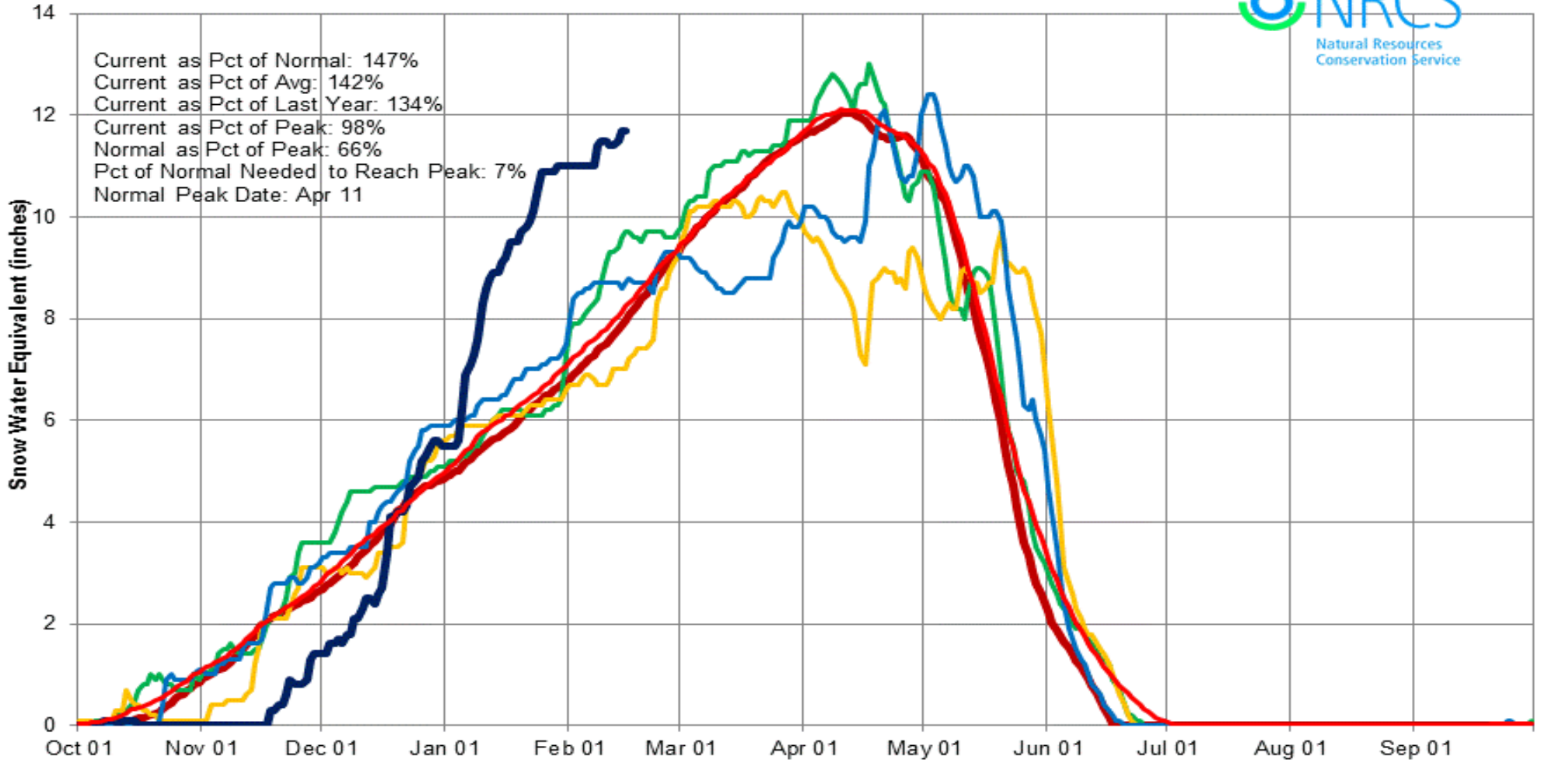
RECLAMATION

Forecast
February 1st 77,000 a/f

Arkansas River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Feb 15, 2017

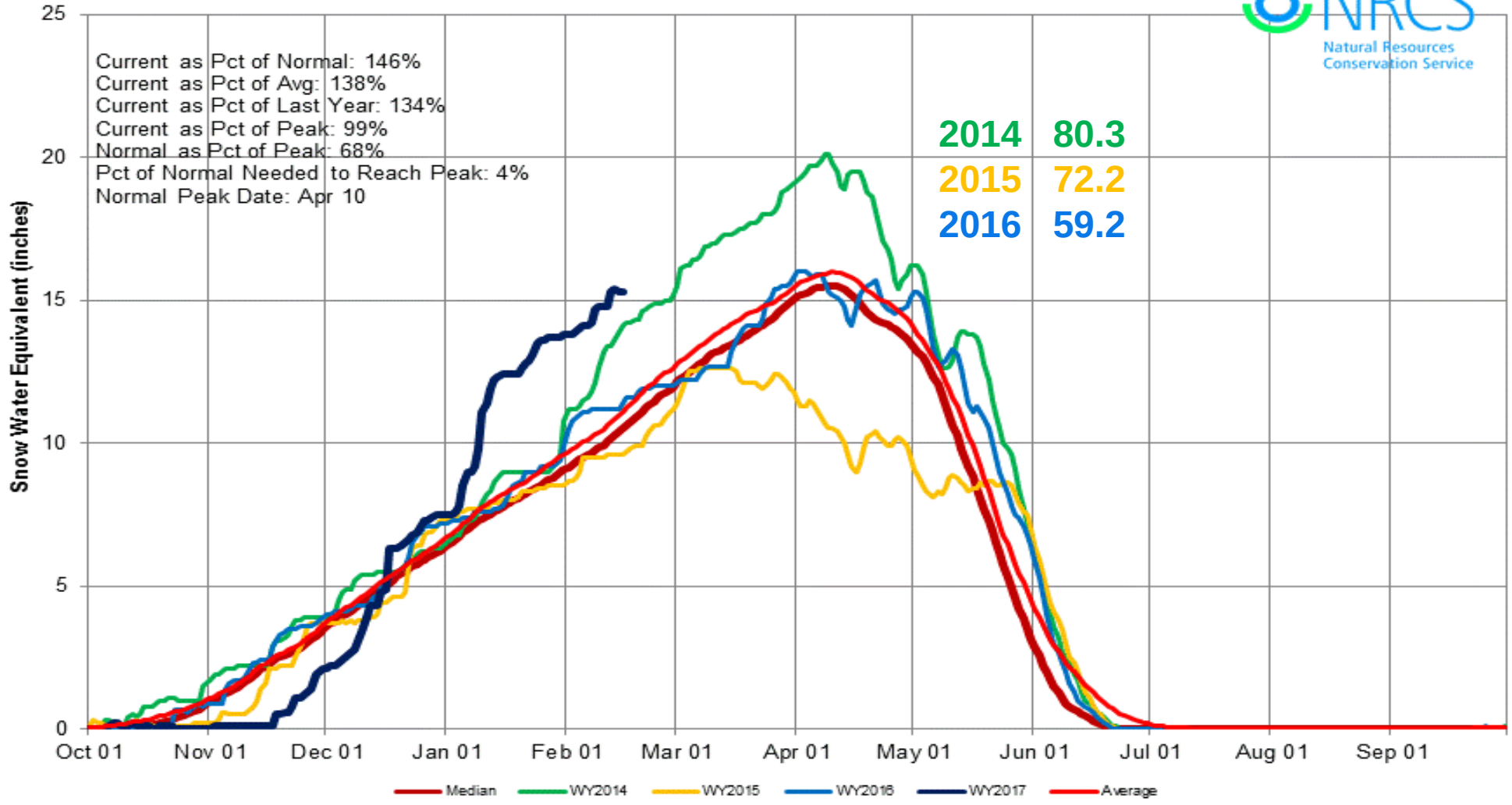
NRCS
Natural Resources Conservation Service

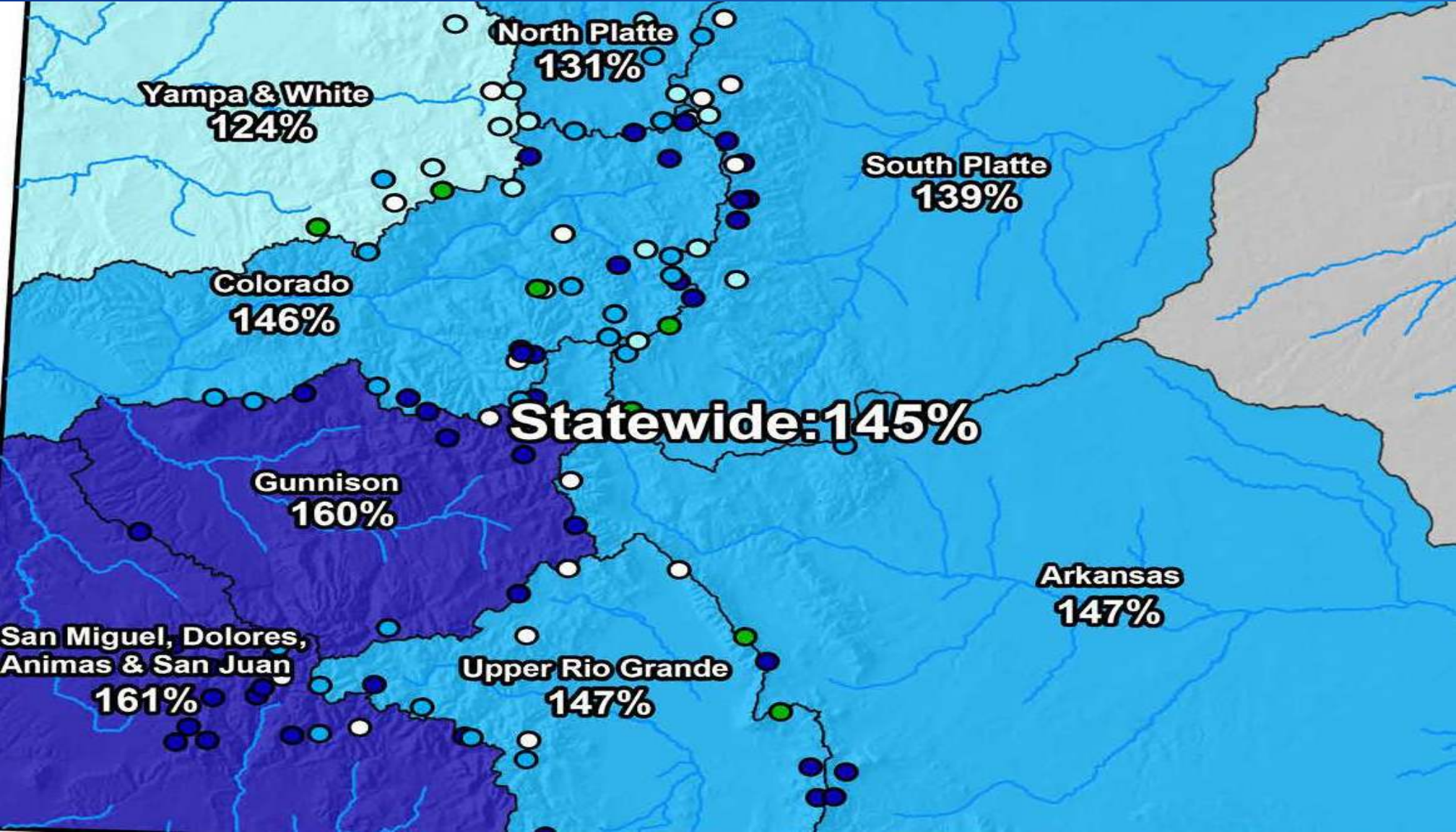


Upper Colorado River Basin Time Series Snowpack Summary

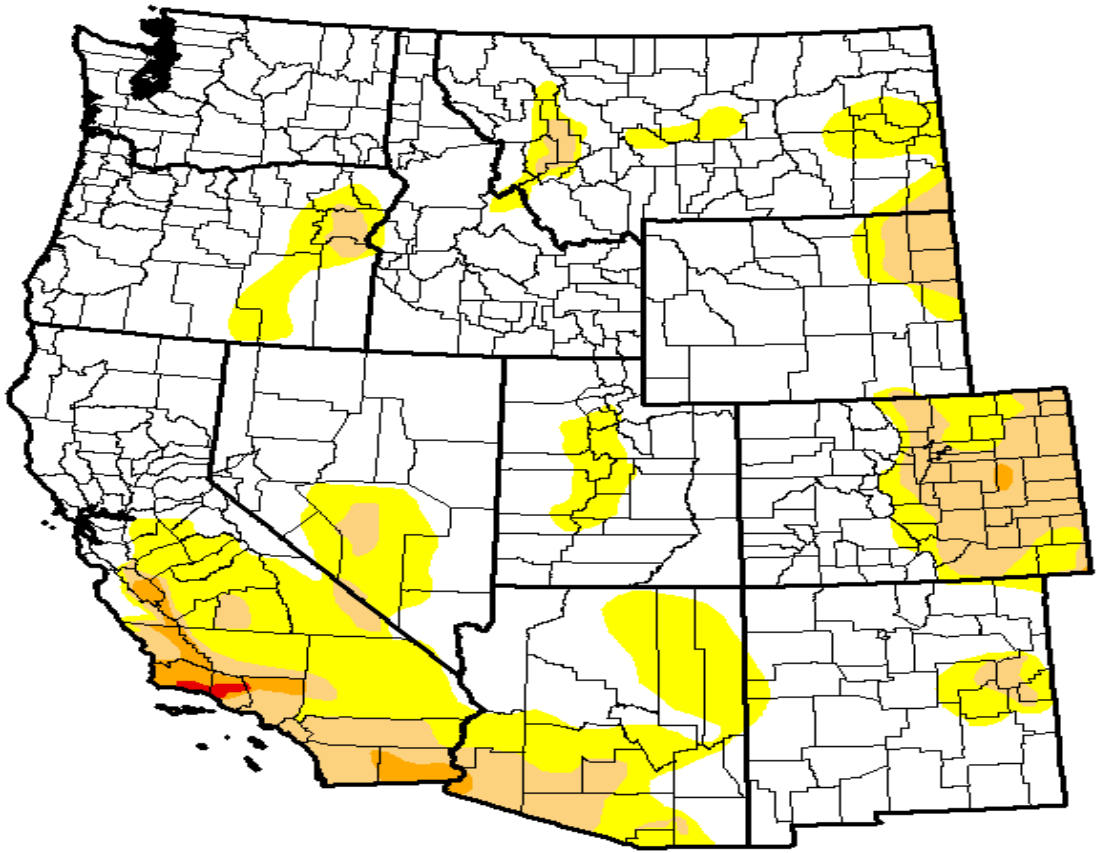
Based on Provisional SNOTEL data as of Feb 15, 2017

NRCS Natural Resources Conservation Service




North Platte
131%
Yampa & White
124%
South Platte
139%
Colorado
146%
Statewide:145%
Gunnison
160%
Arkansas
147%
San Miguel, Dolores,
Animas & San Juan
161%
Upper Rio Grande
147%

U.S. Drought Monitor
West



February 14, 2017
(Released Thursday, Feb. 16, 2017)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	73.57	26.43	9.68	1.11	0.10	0.00
Last Week *2/7/2017*	73.67	26.33	12.59	1.58	0.10	0.00
3 Months Ago *11/15/2016*	43.92	56.08	25.58	9.90	5.73	2.81
Start of Calendar Year *1/3/2017*	54.19	45.81	21.51	8.53	5.11	2.44
Start of Water Year *9/27/2016*	27.78	72.22	30.95	13.45	5.77	2.81
One Year Ago *2/16/2016*	38.68	61.32	36.57	19.60	10.35	5.55

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Jessica Blunden
NCEI/NOAA

http://droughtmonitor.unl.edu/

Pueblo West 24” water line replacement


DEERE

RECLAMATION

Safety of Dams Program

- Regulates and funds inspection requirements for Reclamations facilities, including dams, tunnels, and diversion facilities.
- The most intensive examination of Reclamation dams, a Comprehensive Facility Review (CFR) examination, involves a team of engineers and related specialists from the Regional, Area, Local and Denver Dam Safety offices, and are conducted every six years.
- Periodic Facility Reviews (PFR), also on a six year rotation, occur three years after a CFR. During PFR's, the Regional Reclamation office leads a thorough site inspection and records evaluation with assistance from the Area and local office.
- Other years, in which neither a PFR or CFR are scheduled, the Area Dam Safety Office conducts Annual Site Inspections (ASI) of the facility. Notably, the formal inspections, such as CFR's, PFR's, and ASI's, are in addition to the routine condition dam monitoring conducted by the local office personnel throughout the year.

Safety of Dams Program

Coordinated operation of many other facilities are vital to the successful operation of Reclamation dams and power facilities. Those associated diversion structures, tunnels, pipelines, and buildings are evaluated under the Associated Facility Reviews (AFR) program. The extent and frequency of examination depends on the type and condition of the facility. The Fryingpan-Arkansas associated facilities are each currently on a typical six-year rotation.