



WATER AND SEWER BOARD REGULAR MEETING

April 14, 2021 – 6:30 a.m.

Link to join Webinar

<https://windsorgov.zoom.us/j/97397251420>

The Town of Windsor will make reasonable accommodations for access to Town services, programs, and activities and will make special communication arrangements for persons with disabilities. Please call (970) 674-2400 by noon on the 2nd day prior to the meeting to make arrangements.

AGENDA

A. CALL TO ORDER

1. Roll Call
2. Review of Agenda by the Board and Addition of Items of New Business to the Agenda for Consideration by the Board
3. Public Invited to be Heard

B. CONSENT CALENDAR

C. BOARD ACTION

1. Approve minutes from the March 10, 2021 meeting

D. PRESENTATIONS AND DISCUSSION

1. Introduction Nicole Towne; Communications Coordinator, Town of Windsor
2. Water Supply Update; Leif Lesoing Water Resource Administrator
3. 1,000 acre-foot lease with the City of Greeley
4. Amend Fort Collins Loveland Water District Water Service Agreement

E. COMMUNICATIONS

1. Ad Hoc Committee Update
2. Mayor's Water Challenge

F. ADJOURN



WATER AND SEWER BOARD REGULAR MEETING

March 10, 2021 – 6:30 a.m.

Meeting via Zoom

Windsor, CO 80550

MINUTES

A. CALL TO ORDER

Board Chairperson Bielawski called the meeting to order at 6:33 a.m.

1. Roll Call

Chairperson
Vice-Chairperson
Secretary

Greg Bielawski
Carlos Medina
Janene Willey
Darell Zimbelman
Milt Tokunaga
Milton Geiger
Gale McGaha Miller
Alan MacGregor
Alan Overton

Alternate
Alternate

Town Board Liaison

Ken Bennett

Also present:

Mayor
Dir. Of Community Development
Water Resources Administrator
Utility Billing Admin Specialist

Paul Rennemeyer
John Thornhill
Leif Lesoing
Erin Porter

2. Review of Agenda by the Board and Addition of items of New Business to the Agenda for Consideration by the Board

There were no new agenda items considered.

3. Public Invited to be Heard

There was no public comment.

4. Introduction of new Alternate Board Members

Mr. Lesoing introduced the new Alternate Board Members Alan Overton and Alan “Scotty” MacGregor. Each Alternate Board Member provided information about themselves.

5. Mayor’s Water Challenge – Mayor Paul Rennemeyer

Mayor Rennemeyer announced that he had signed the pledge for the Mayor’s Water Challenge, and provided information about the program.

B. CONSENT CALENDAR

There were no items on the consent calendar.

C. BOARD ACTION

1. Minutes of February 10, 2021 Regular Meeting

Board Member Zimbelman moved to accept the minutes for the February 10, 2021 meeting with corrections; Board Secretary Willey seconded the motion. Motion carried unanimously.

2. Approve and recommend Fort Collins-Loveland Water District and Windsor IGA for Effluent Return Quantification

Mr. Lesoing presented to the board the current case that the Fort Collins-Loveland Water District (FCLWD) has going through water court to quantify their return flows. Those customers that live within the Town of Windsor, get their water from the FCLWD, and are serviced by the Town for their sewer service are included in the case. The areas affected are the River West, Ridge West, and Bison Ridge subdivisions.

Board Member Tokunaga moved to approve and recommend the IGA for Effluent Return Quantification; Board Member McGaha Miller seconded the motion. Motion carried unanimously.

D. PRESENTATIONS AND DISCUSSION

1. Water Resources 101 Update

Mr. Lesoing presented the information that will be given to the Town Board on where the Town gets its water from. He showed the Board the current Water Service Area, which goes roughly from Larimer County Road 5 (Colorado Boulevard) on the west, County Road 74 (Harmony Road) on the north, and follows town limits to the east and south.

The average daily demand during winter months is about 1.3 million gallons per day (mgd), and the peak daily summer demand is 4 mgd. The total population estimate is 36,700, and Windsor's Water Service population estimate is between 24,000-25,000. In 2020, the annual demand was over 900 million gallons of water. Greeley treated 212 million gallons, FCLWD treated 110 million gallons, and North Weld County Water District (NWCWD) treated 588 million gallons for the Town. 70% of the demand is for residential use.

All of the Town's water supply is made of Colorado Big Thompson (CBT) units, which includes shares in the North Poudre Irrigation Company (NPIC). The Town holds 3,969 CBT units, and 533.75 shares of NPIC water, which translates to an additional 2,135 CBT units. The total average yield is 4,205 acre-feet (af), the firm yield is 3,053 af, and the planning yield is 3,662 af.

NISP is scheduled to provide 3,300 af of firm yield, and will cost over \$100 million. There were a few milestones this year, including the State of Colorado issuing the Water Quality Certification and the Larimer County Board of Commissioners approved the county 1041 permit. The 1041 approval by Larimer County Commissioners is under appeal to the Larimer County District Court. The Record of Decision (ROD) will hopefully come in April.

The current snowpack conditions in the South Platte Basin and the Cache La Poudre basin are at 92% of normal. Larimer and Weld County are still listed in the Sever Drought category and the State as a whole is in some form of drought everywhere according to the US Drought Monitor.

Some highlights of the Water Conservation Program include working on the Drought Management Plan, the elimination of washer and toilet rebates, the Mayor's Water Challenge, Northern Water and Parks Department Audits, Garden in a Box, and Landscape Boot Camps.

Mr. Lesoing then presented the history of the non-potable water system. In 1994, Water Valley became the first development to propose a dual water distribution system. In 2003, the Town passed an ordinance that required secondary water systems for irrigation of new residential development within the Town of Windsor urban growth boundary. The ordinance includes: mandatory construction of non-potable secondary water systems for irrigation, that the systems be privately managed by metropolitan districts, HOAs, or other public or private entity subject to approval by the Town of

Windsor, established geographical areas where non-potable systems shall be required, and construction of non-potable secondary water systems shall be a condition of annexation.

Every year there is a growth in the use of dual-use system, and from 2018-2020 there were an additional 1,600 accounts added. There also has been an increase in the efficiency in new development, which translates into a difference of around 50,000 gallons between potable-only and dual-use accounts. The benefits include: that ditch company and agricultural users keep water in the ditch, the capacity of existing water treatment plants is stretched, and the need to upgrade facilities or build new ones is delayed, there is a reduction in peak summer demands, it keeps water in the river, and there is reduced chemical use, reduced transportation of supplies, and a reduction in harmful residuals processing.

Mr. Lesoing then presented the Town's current non-potable use/system, including the Kern Reservoir, Kyger Reservoir, and several parks that have wells.

The Town owns 100% of Kern Reservoir, which stores 1,800 af. And can irrigate 1,000 acres. The Town also owns the Kern Junior Water Right that is 1,966 af with the right to fill and refill in priority. Kyger Reservoir has 1,257 af of storage, and is used for augmentation for Parks, the School District, Kern Return Flow Obligations, and irrigation. It costs \$5,000/af

Windsor faces some challenges and opportunities. The Town is growing rapidly, the NISP program has been delayed several times and we are still waiting on the ROD, and the timing is still about 15 years out, the Town's raw water dedication policies are dependent on what happens with NISP, and the costs continue to grow, causing financing issues. Because of the timing for NISP, the Town is looking to make a short-term agreement with Greeley for treated water rentals, and Water Treatment partnerships with FCLWD, Severance and Eaton.

Other ongoing challenges and opportunities include wildfires, and the City of Greeley's Terry Ranch Project. The Terry Ranch Project would develop approximately 1.2 million af of non-tributary groundwater from an underground aquifer located in northwest Weld County. It would act as a drought supply, by helping Greeley store water during wet years to be used in dry years, and will provide protection from forest fires. Testing has shown that the Terry Ranch water has low levels of naturally occurring uranium, which can easily be treated and removed. Greeley's high mountain water also contains low levels of uranium which is currently removed daily. In a 30-day pilot test, Greeley proved that it could treat Terry Ranch water to non-detectable limits of uranium.

E. COMMUNICATIONS

1. April 6, 2021 Northern Water Spring Users Meeting
The meeting will all be done through Zoom.
2. Landscape Boot Camp Q&A March 27, 2021
The sessions will all be virtual.
3. Additional Ad Hoc Committee Update
At the March 17th meeting, Plant Select will be making a presentation on how they are able to assist HOAs with water conservation efforts, and on April 14th, Janene Hegeman will speak with committee on the education component of the MS4 permit.

4. Changing Billing Policy Regarding Tenant Accounts

Ms. Porter advised the Board that as of March 1, 2021 the policy regarding tenant accounts will be changing. The Town will no longer be creating new accounts for tenants, and services will stay in the owner's name, but copies of bills can be sent to tenants at the owner's request.

F. ADJOURN

Board Secretary Willey moved to adjourn the meeting at 7:59 am; Board Vice-Chairperson Medina seconded the motion. Motion carried unanimously.

Submitted by:

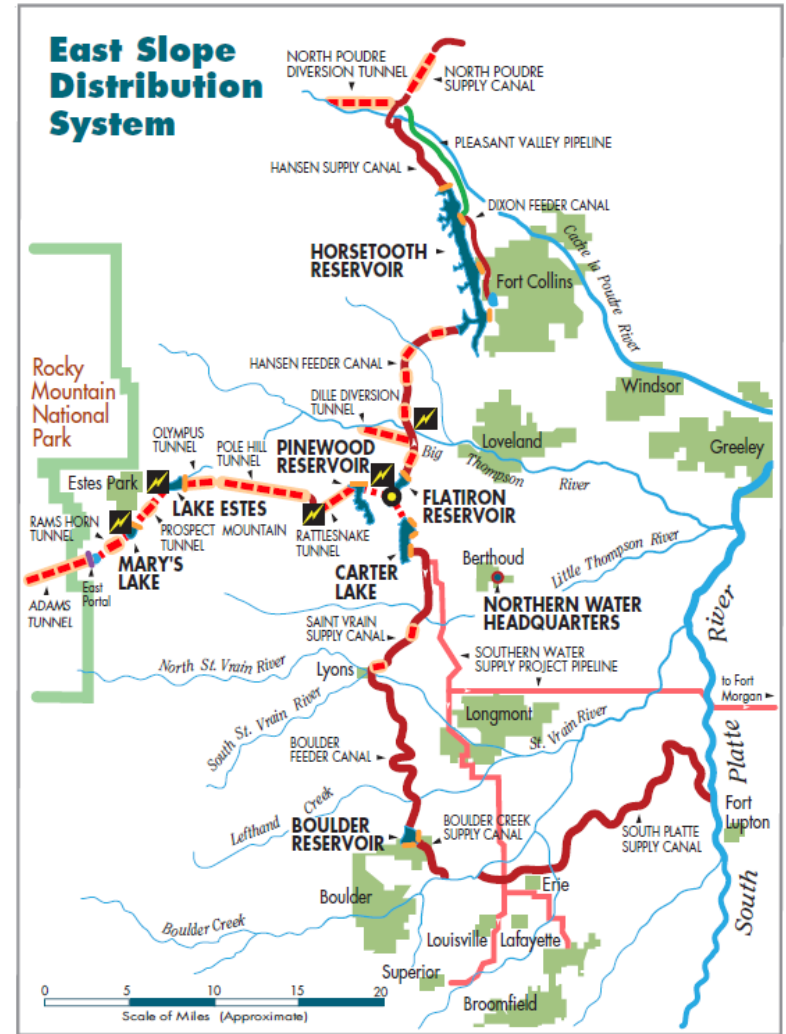
A handwritten signature in blue ink, appearing to read "Erin Porter", is written over a light blue horizontal line.

Erin Porter, Utility Billing Administrative Specialist



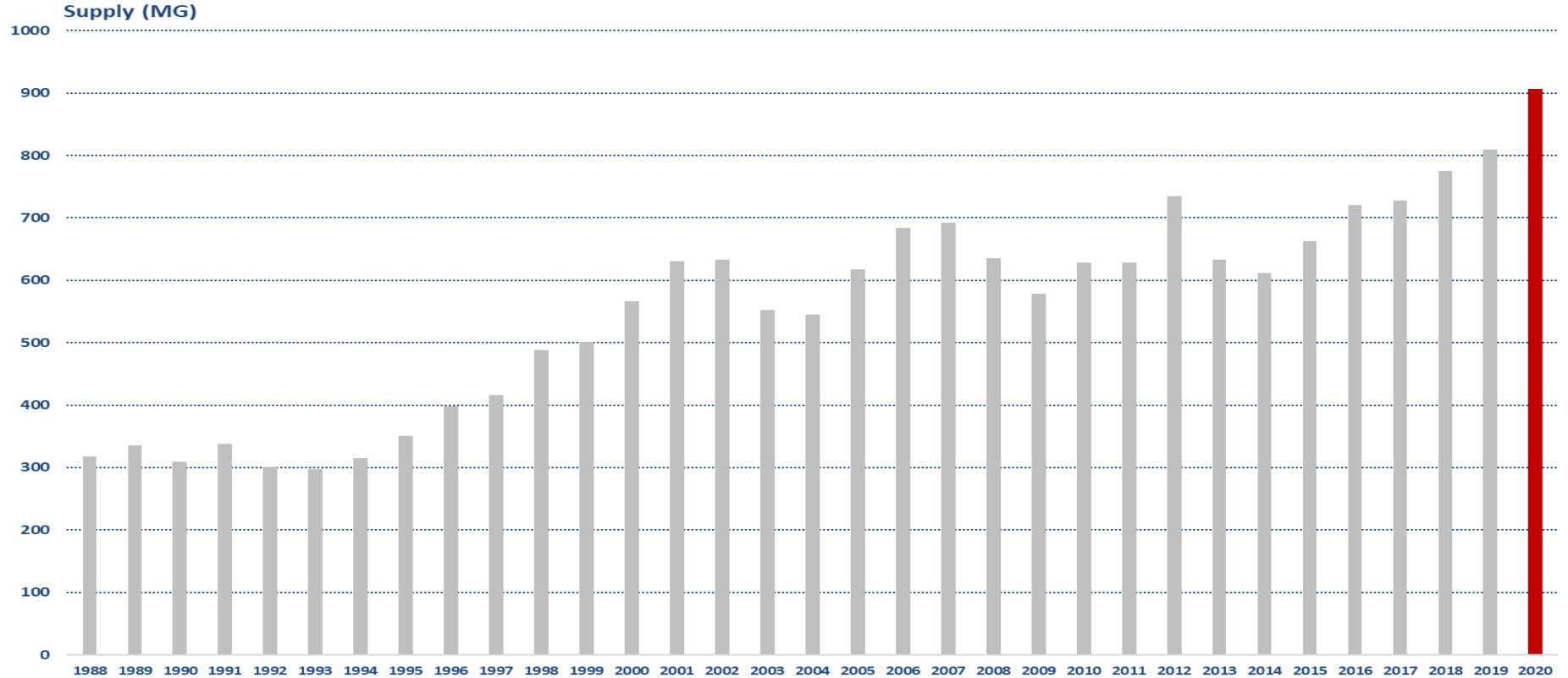
Water Supply Outlook

*Water & Sewer Board
April 14, 2021*





Annual Demand





South Platte Basin Snowpack (SWE)

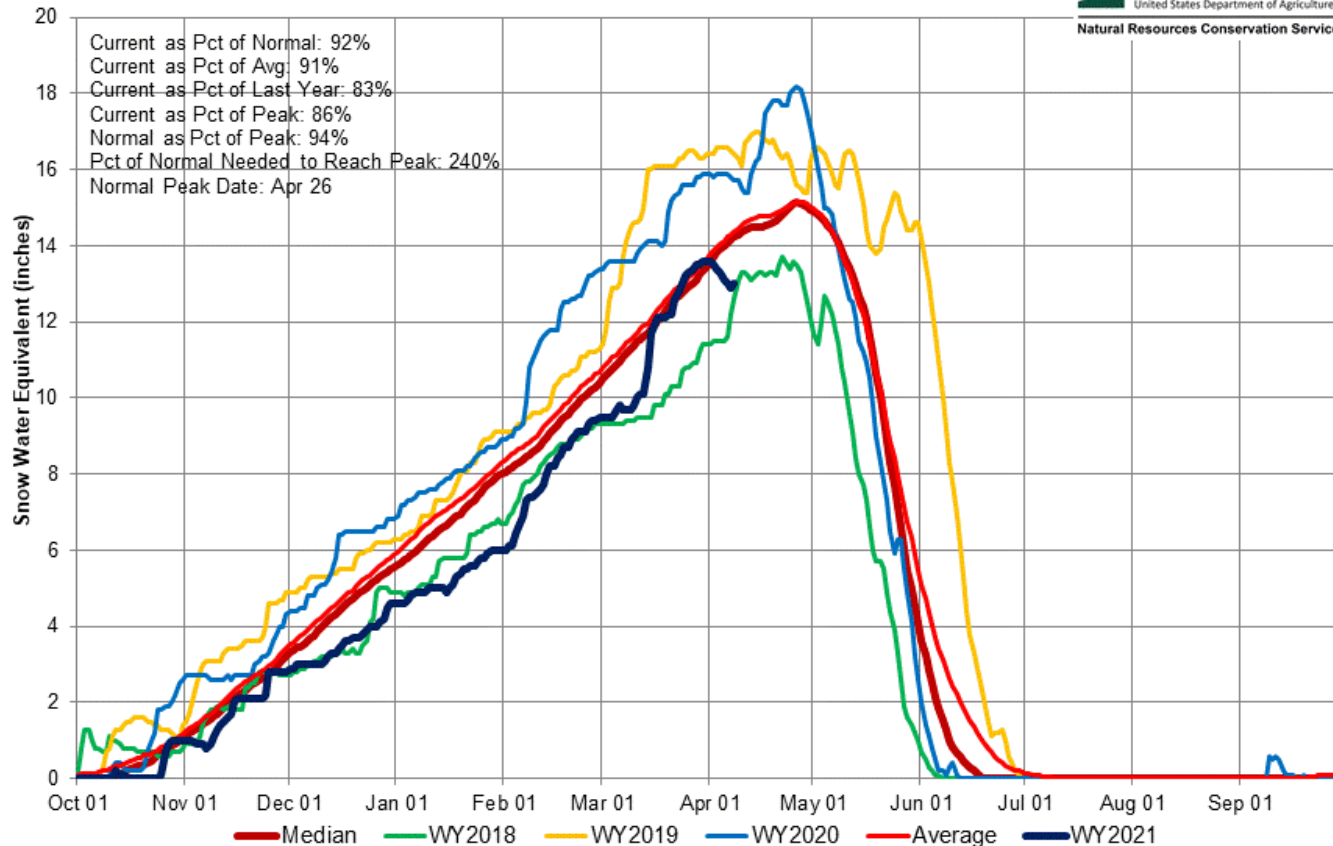
South Platte River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 08, 2021



United States Department of Agriculture

Natural Resources Conservation Service





Colorado Basin Snowpack (SWE)

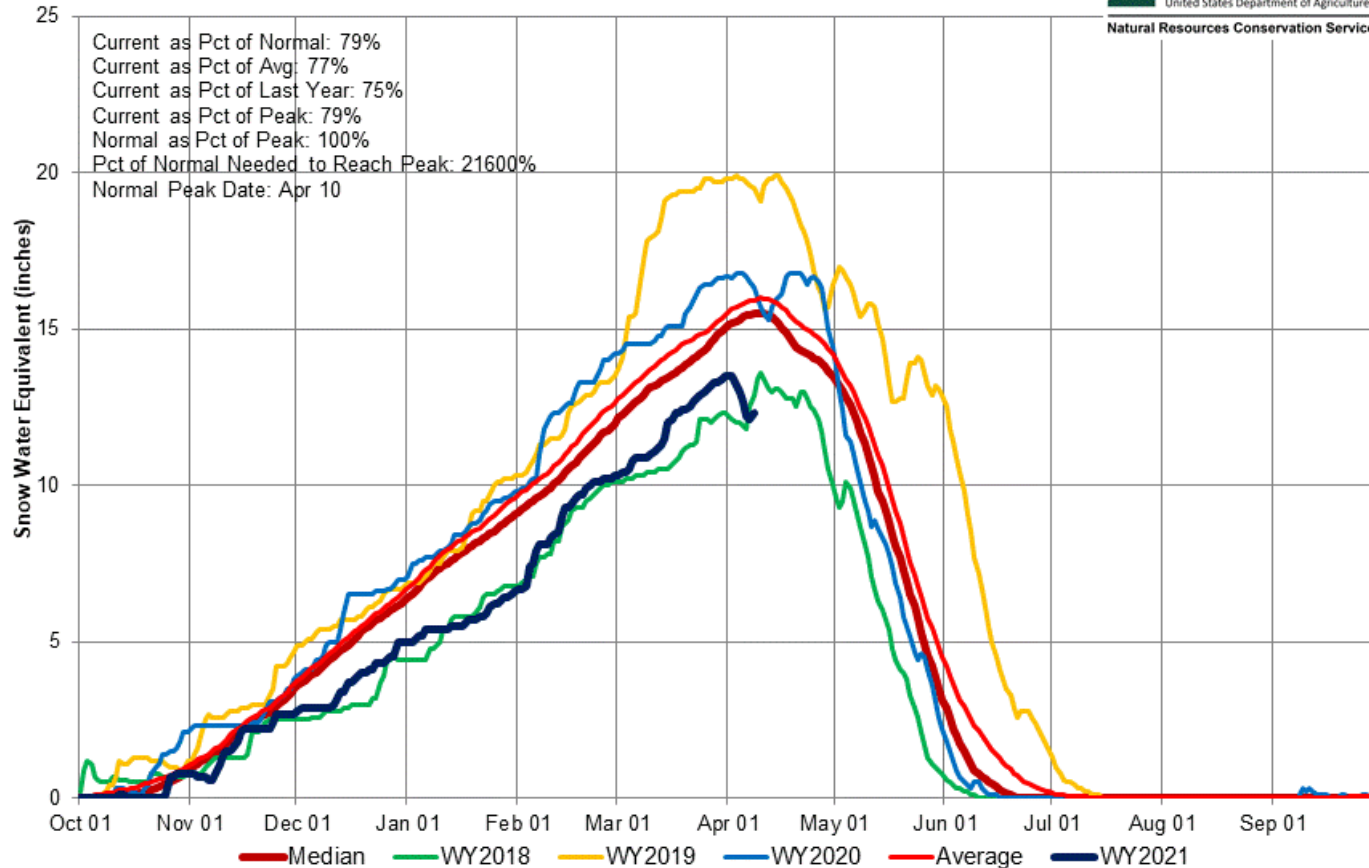
Colorado River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 08, 2021



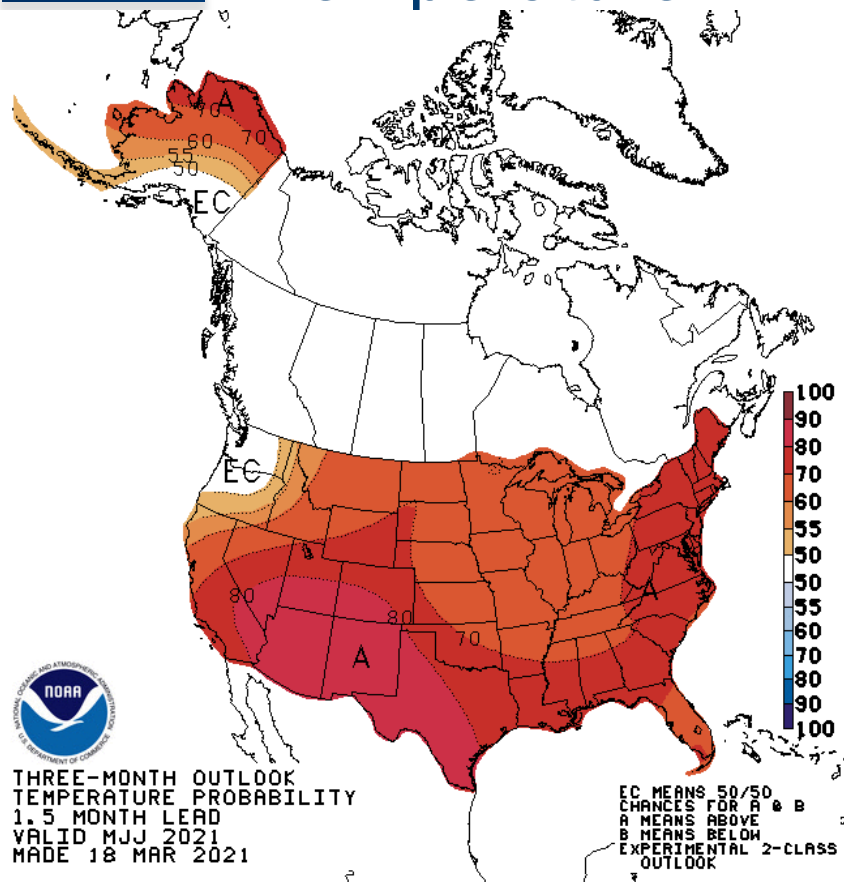
United States Department of Agriculture

Natural Resources Conservation Service

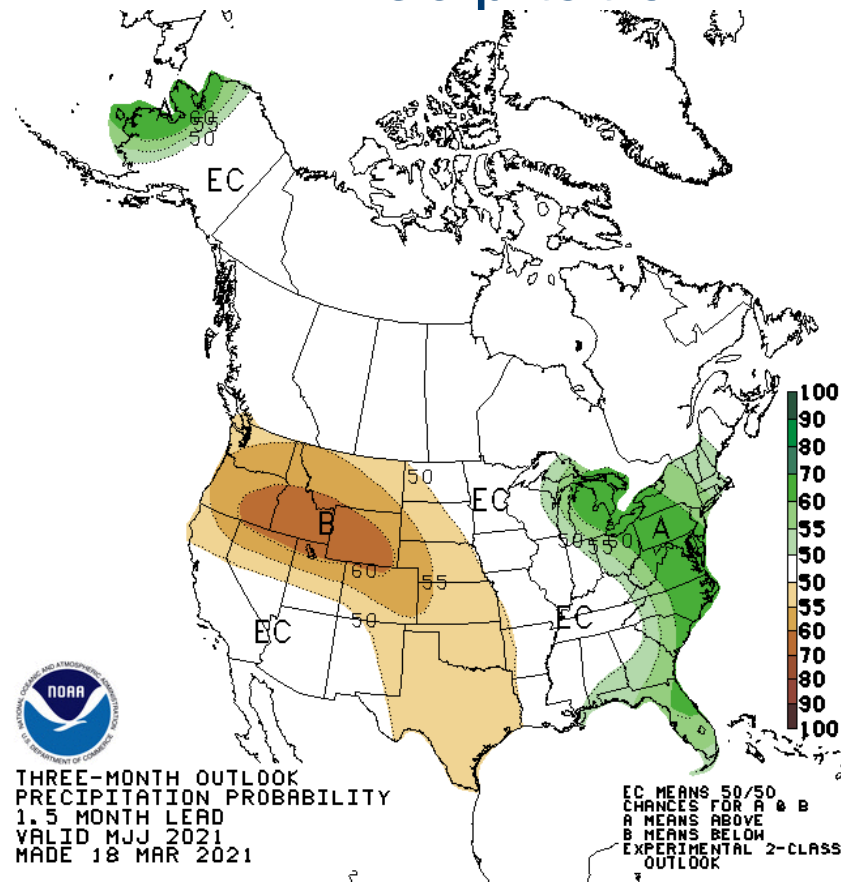


Three-Month Outlook

Temperature



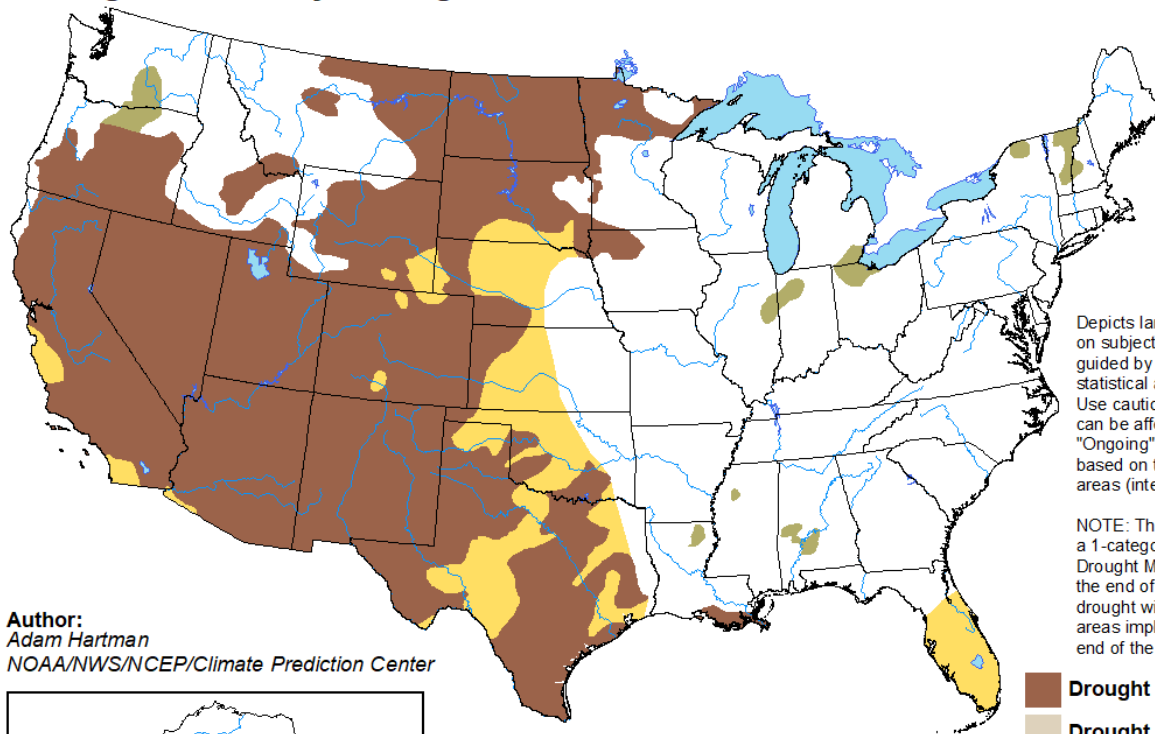
Precipitation



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for March 18 - June 30, 2021
Released March 18

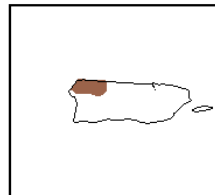
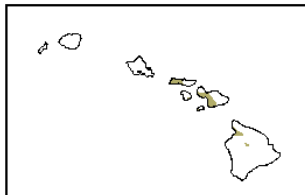
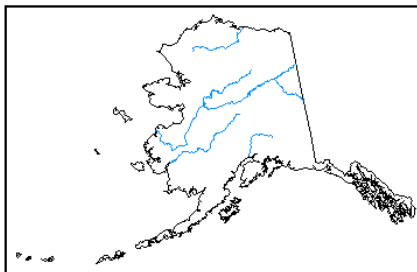


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely

Author:
Adam Hartman
NOAA/NWS/NCEP/Climate Prediction Center



<http://go.usa.gov/3eZ73>

Demands

Historical Water Usage

Year	Amount purchased from NWCWD (million gallons)	Amount purchased from FCLWD (million gallons)	Amount purchased from Greeley (million gallons)	Total Amount purchased (million gallons)	Total Amount purchased (acre feet)
2011	327.6	110.1	189.9	627.6	1,925
2012	416.8	111.3	207.2	735.3	2,256
2013	337.1	110.3	185.2	632.6	1,940
2014	294.4	109.8	207.3	611.5	1,876
2015	354.7	110.8	196.8	662.3	2,032
2016	400.6	107.6	212.3	720.5	2,210
2017	414.0	110.3	203.0	727.3	2,231
2018	449.5	104.7	210.0	764.2	2,344
2019	496.2	110.4	205.3	811.9	2,490
2020	588.0	110.0	212.0	910.0	2,791
Average	407.9	109.5	202.9	720.3	2,210

+5% ~ 2,900 AF



2021 Projected Treatable Supply (70% quota and 2.5 NPIC MU)

Raw Water Supply			
	Number of shares	Yield in 2021 (acre-feet)	
CBT variable quota (70%)	1,868	1,308	acre-feet
CBT fixed quota (70%)	2,101	1,471	
CBT carryover		771	
North Poudre Irrigation Co. CBT water	533.75	1,334	2.5 af/share
Total CBT available		4,884	acre-feet
NPIC CBT water rented and/or put into Windsor Lake		-	
Carryover to 2022		794	
Available water before shrinkage		4,090	
Available water after 17.0% shrinkage		3,496	acre-feet
			1,140 million gallons

~ 1,284 acre-feet of additional water rental available

Questions?
