



GM Newsletter

January 2022

From The Desk of Jennifer Hanson, General Manager

Water For Life

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Message from the General Manager

A happy new year to you all! I hope you celebrated the start of 2022 safely and in good spirits with family and friends.

Moving into 2022, a key focus is on the future. The Plan for Water process involves public collaboration to determine the best ways to meet our community's demand for water over the coming decades.

I am so thrilled to see the diverse number of citizens, organizations and customers coming together to

help NID assess our water situation and provide real solutions amid challenges, such as climate change and drought, which limit our water resources. Careful planning is necessary to ensure supply is able to meet the different demands of local water users.

As we move through 2022, I hope to build on this momentum to continue to generate support of and confidence in NID as your trusted irrigation district.

I wish you and your loved ones a happy and successful 2022!

Jennifer Hanson



NID crews were kept busy after the recent snowstorm to ensure canals were clear and functioning properly. See page 3



Plan for Water

Invitation to get involved

In the face of continued drought and climate change, the Plan for Water process strives to provide viable water management options into the future to ensure our community enjoys the same high-quality, reliable water system it has now.

We look forward to seeing you for the next workshop on **Feb. 8, 2022**. That meeting will center on NID's water rights with a review of currently held water rights, including locations, year of seniority and usage.

Summary of workshops:

January 11, 2022: The presentation included an overview of NID's service area, and detailed the District's water distribution system and operations.

View the presentation [here](#).

[Meeting video \(starts at 1:00:22\)](#)

[Public comment summary from Jan. 11 workshop](#)

December 7, 2021: The focus was on NID's mountain water system, starting with the headwater watershed and moving downstream through reservoirs and waterways.

View the presentation (with photos and charts) [here](#).

[Visit the Plan for Water webpage](#)

NID Lands Divided by Watershed Collection and Service Area

<u>Watershed Area</u>	<u>Service Area</u>
<ul style="list-style-type: none"> ▶ Generally known as NID's Mountain Division ▶ Operated and Maintained by NID's Hydroelectric Division 	<ul style="list-style-type: none"> ▶ Lands where NID provides water delivery for consumptive uses ▶ Operated and maintained by NID's Water Division

The infographic includes the NID logo in the top right corner and two photographs at the bottom: one showing a snow-covered mountain landscape and another showing a worker in a hard hat and safety vest inspecting a water filter or equipment near a stream.

Request for Proposal is issued:

NID is seeking proposals from qualified firms to provide professional design services for assistance in the development of the District's Plan for Water, a long term planning document.

Work will include review and update as necessary, the existing unimpaired hydrology and HEC-ResSim reservoir operations model; development of an integrated land use based demand model encompassing 50-year planning period; and development of supply analysis including multiple drought scenarios.

The deadline for proposals is 5 p.m. on Thursday February 10, 2022. [Read the RFP:](#)

Snow, snow all around and always a flow to be had

NID weathered one of the most severe snowstorms in recent memory. Through the dedication and hard work of the Operations and Maintenance crews, water service remained constant.

This took working through inclement weather, cutting through many downed trees to access facilities, and continual manning and refueling back up emergency generation equipment.

Operations Manager Chip Close reminded us: "People take water for granted; however, when they turn the tap on, it is available due to the efforts of the dedicated staff at NID."

In addition, NID was able to assist our neighboring water agency Placer County Water Agency (PCWA) with additional water supplies as emergency work was performed along the Bear River Canal.

A special call-out to the crews that braved the elements for scheduled to work on Monday, Dec. 27, after the first large snowfall. They covered every route to keep the water flowing while driving in hazardous conditions. They also responded to all customer calls and even covered night call duties as calls came in for no water and/or leaks.



(Upper right) The Upper Bench Cascade Pipe access road leads to where the NID water supply starts below the Deer Creek powerhouse. The road needs to be clear for manual delivery adjustments, and it provides access to lower feed canals and the Loma Rica Treatment Plant.

The snow was more than a waist deep when crews got there. This road took about seven days to get open to the head. It took two tractors and lots of chainsaw work. At times there were trees down every 20 feet. These had to be cut so that the tractors could continue.

(Middle) An NID maintenance crew safeguards the Sargent Jacob Canal.

(Right) Two downed trees threatened the Newtown Canal, but the NID crew was up to the task.

The recent snowstorm delivered much-needed precipitation to help offset last year's drought and replenish future water supply.

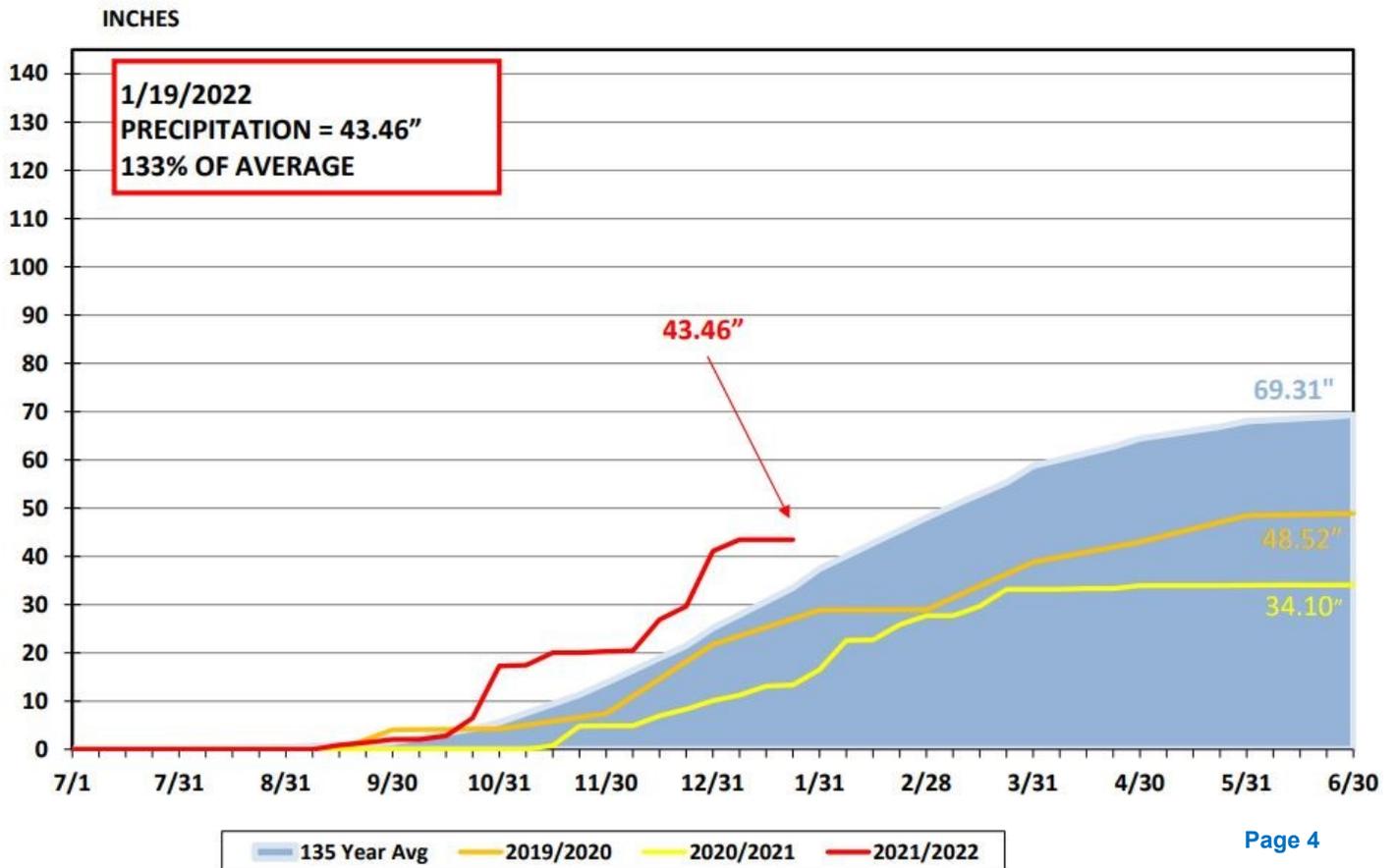
NID's water-master says the good start to the wet season and snow in the higher elevations is tempered by forecasts of dry weather.

Also, temperatures are a factor. We need a cold winter to keep the snowpack intact into late spring.

Snow is a natural reservoir, and when it melts the runoff is the District's primary water supply. The amount of runoff depends upon the amount of water contained in the snowpack and the rate at which it melts.



BOWMAN LAKE PRECIPITATION



Keep track of NID reservoir levels

Reservoir storage has greatly improved, but we still are lacking. Storage is 181,152 acre-feet as of Jan. 12. That is 97 percent of average and 67 percent of capacity.

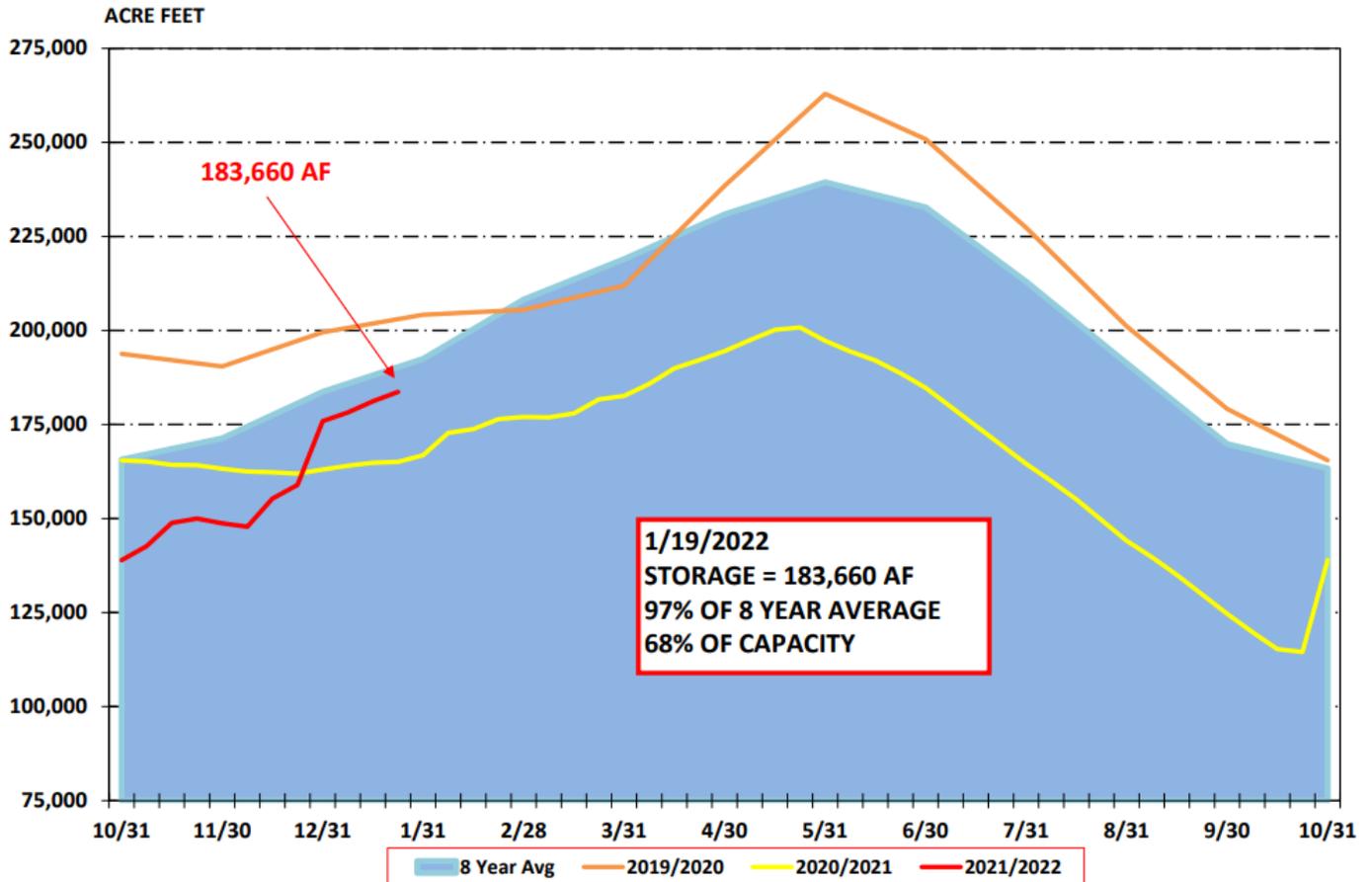
NID's watermaster regularly posts updates of our local reservoir levels. You can see how water levels fluctuate in easy-to-read charts.

The District's River & Reservoir Data measures both capacity and elevation for different reservoirs, from the High Sierra Canyon Creek watershed (Bowman Lake and others) to the Deer Creek watershed (Scotts Flat Lake) and Bear River watershed (Rollins Lake).

It's all just a click away on the NID website under [River & Reservoir Data](#).



NID RESERVOIR STORAGE



Capital Improvement Projects

Updated Project Status Reports are now available on the District's Projects page. This report provides project information, planner information, and a brief project description.

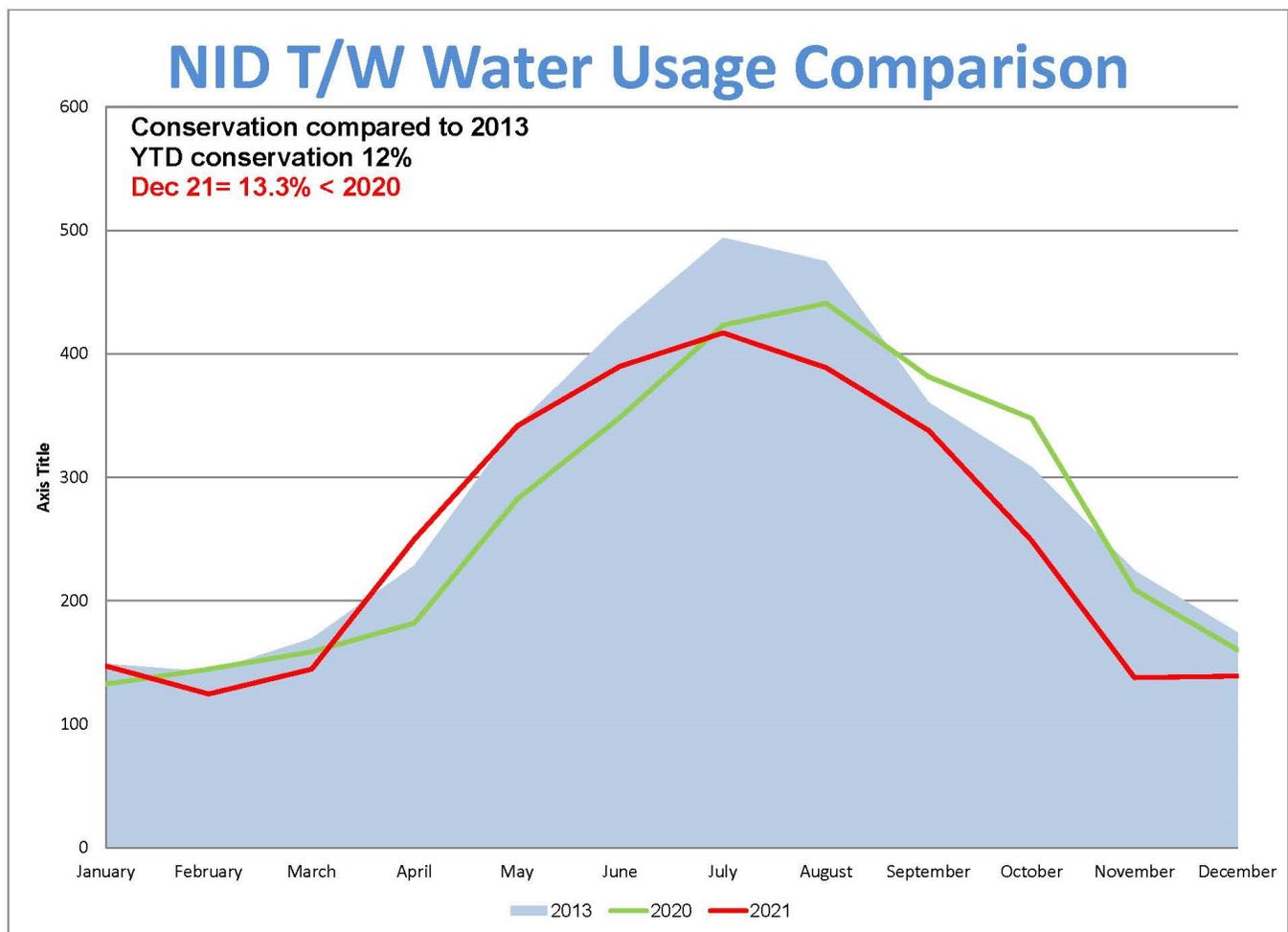
[January 2022 Engineering Department Project Status Report](#)

[2021 Year in Review, Department Updates, Plans for 2022](#)

Water Conservation

Efficient use of water continues to be important. Since the last major drought in 2013, we've become more water efficient. For 2021, we had a 12 percent improvement over 2103. Last month, we conserved 13.3 percent compared to December of 2020.

Keep up the effort—together we can reach our 20% goal.



Powering Humanity: The Role of Hydropower in NID's Ecosystem

NID's water blog is back. Here we will explore the intricacies of how water gets to you. It is an enormous effort, and it takes many different, yet connected, actions to make it happen.

Our latest blog “Powering Humanity: The Role of Hydropower in NID’s Ecosystem” explores hydropower’s a critical role in advancing our energy future as a renewable energy source. NID is dedicated to protecting and improving the environment, and hydro energy is one of the ways we do it.

NID began producing electricity in 1965, and today generates 82 megawatts of clean energy. That’s enough to power more than 60,000 homes each year.

Read the blog, [click here](#).



The Rollins powerhouse (above) along with NID’s six other powerhouses can generate a total of 82.20 megawatts. That’s enough to power 60,000 homes.

Outage Report - presents a list of each time a powerhouse has an outage caused by something other than a lack of water or a planned extended outage as well as basic information about the outage. Minimizing the number of outages and their length is key to maximizing revenue from the powerhouses.

December storms resulted in a significant number of outages during the month of December.

Powerhouse	Date and Time Out	Duration (HH:MM)	Cause
Bowman	12/13/2021 22:40	111:40	NID Transmission Line
	12/25/2021 01:11	134:13	NID Transmission Line
Chicago Park	12/27/2021 04:46	115:13	PG&E Transmission Line
Dutch Flat	12/27/2021 0:01	0:09	PG&E Transmission Line
	12/27/2021 0:59	0:04	PG&E Transmission Line
	12/27/2021 4:44	8:34	PG&E Transmission Line
	12/27/2021 13:43	0:07	PG&E Transmission Line
	12/29/2021 08:55	4:24	PG&E Transmission Line
Rollins	12/14/2021 03:44	2:58	PG&E Transmission Line
	12/27/2021 0:55	103:45	PG&E Transmission Line
		481:07	Total

Hydroelectric Update

January 2022 Hydroelectric Department Project Status Report

2021 Department Overview

Generation Report - presents the total megawatt-hours (MWh) generated per powerhouse for the previous month. Average Generation is based on the monthly generation from the previous five years. Combie North, Combie South, and Scotts Flat Powerhouses create revenue based on MWh produced. Generation from Chicago Park, Dutch Flat #2, Rollins and Bowman Powerhouses is provided for informational purposes.

Generation at most facilities was near normal in December. Scotts Flat was the exception where low reservoir levels caused by dry conditions last year did not allow for generation.

Powerhouse	Average Generation	Current Generation
Chicago Park	8,976	9334
Dutch Flat #2	4,095	3010
Rollins	4,705	4279
Bowman	239	25
Combie North	68	86
Combie South	489	656
Scotts Flat	489	0
Total	18,572	17,391

Availability Report - presents the total percentage of time a powerhouse is available to generate during the given month. Powerhouses Chicago Park, Dutch Flat #2, Rollins, and Bowman produce revenue based on the percentage (%) of time the unit is available to generate. Budgeted availability shown was used to develop revenue forecasts. Actual availability shown is based on the hours the powerhouse ran minus any outages that are not excused by the terms of the Power Purchase Agreement (PPA) and is the basis of payment calculation.

Significant snow in the Upper Division resulted in damage to the Bowman Transmission line. Although damage was not substantial, snow significantly delayed access resulting in a lower than budgeted availability.

Powerhouse	Budgeted Availability	Actual Availability
Chicago Park	94.1%	100%
Dutch Flat #2	92.0%	100%
Rollins	94.3%	100%
Bowman	92.0%	53.7%

Redistricting process begins: draft maps available for viewing

All jurisdictions that have electoral divisions, including NID, must equalize the populations of their respective divisions every 10 years following the federal census.

Redistricting is the process of adjusting the division boundaries to ensure equal populations in each.

NID began to discuss redistricting options during its Jan. 26 Board of Directors meeting.

Interactive Draft Maps

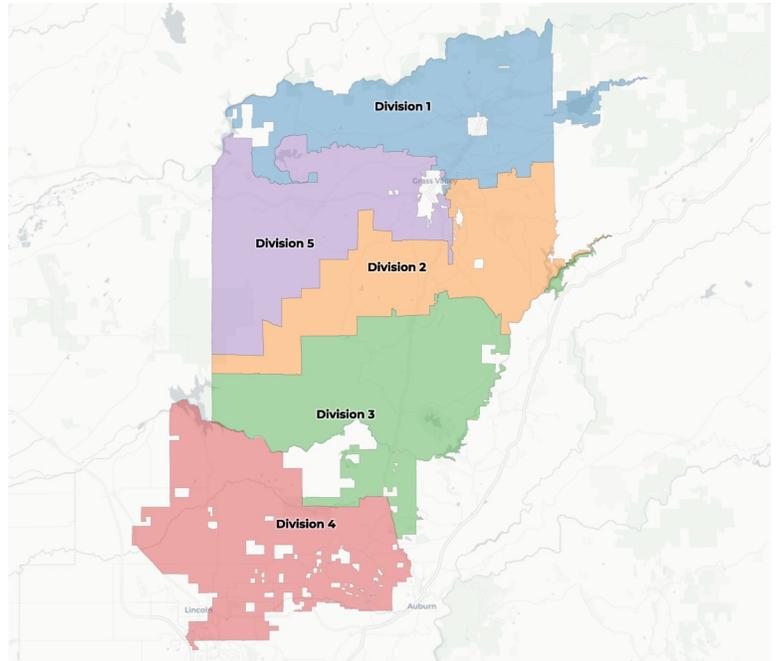
* Presented to the Board of Directors on Jan. 26, 2022

[Draft Map A—Minimal change](#)

[Draft Map B—Unifying cities](#)

[Draft Map C—Revision of A](#)

Note: Click on map and zoom in to see street and area details.



Existing NID division map

For more information, [click here](#)

Meetings & Events

Pursuant to the Governor’s Executive Order N-29-20, and given the state of emergency regarding the COVID-19 pandemic, the District’s Board room is currently closed to the public. The public is invited to participate in Board and Committee meetings remotely via Zoom. Zoom information will be provided on the meeting agenda and accessible at www.nidwater.com.

NID Special Board of Directors Meeting

Tuesday February 8, 2022

3:00 PM

Plan for Water Workshop

Tuesday February 8, 2022

4:00 PM

NID Regular Board of Directors Meeting

Wednesday, February 9, 2022

9:00 AM

NID Regular Board of Directors Meeting

Wednesday, February 23, 2022

9:00 AM

