

Staff Report

TO: Board of Directors

FROM: Chip Close, Director of Water Operations

DATE: February 12, 2025

SUBJECT: Continued Water Shortage Emergency

OPERATIONS

RECOMMENDATION:

Adopt a resolution continuing all water supply emergency measures in response to PG&E's ongoing water supply infrastructure emergency.

BACKGROUND:

On February 9, 2024, PG&E notified NID of a structural failure in a section of the South Yuba Canal (SYC) in addition to a failure of the Spaulding 2 Powerhouse (SPA 2), which rendered flows into the canal impossible. Subsequently, on March 6, 2024, a failure at PG&E's Spaulding 1 Powerhouse (SPA1) resulted in the shutdown of the Drum Canal. These combined failures significantly disrupted water conveyance through both the Drum and South Yuba Canals, which are critical for supplying water to thousands of District customers.

Upon receiving notification of these failures, NID crews promptly implemented emergency contingency plans to mitigate the impact on water supply. These measures included rerouting water through alternative channels, securing available runoff water, and activating all operational backup pump stations to sustain reliable water deliveries throughout the 2024 irrigation season. While these emergency response efforts were effective, continued delays in PG&E's repair work efforts required the enforcement of stricter mandatory water use restrictions and rotational canal outages.

On July 25, 2024, PG&E completed a portion of the necessary repairs, allowing for increased water supply to both the SYC (which feeds Scotts Flat Lake) and the

Drum Canal (which supplies the Bear River and Rollins Lake). The completion of partial repairs made it possible to suspend canal rotations, ensuring more stable water deliveries through the latter half of the 2024 irrigation season.

PG&E plans to initiate the next phase of repairs on the SPA 1 and SPA 2 powerhouses in early March 2025, which will once again disrupt the water supply to NID. These repairs are expected to be similar in scope and duration to the emergency repairs conducted in 2024. According to preliminary schedules, full flows at Spaulding 1 are anticipated to be restored by early August, while repairs at Spaulding 2 are not expected to be completed until 2026.

Based on the latest correspondence with PG&E, NID has conducted a comprehensive analysis of current and projected reservoir conditions, hydrology, and snowpack data. This assessment indicates that the available water supply for 2025 will likely be comparable to the conditions experienced during the 2024 irrigation season. Water levels at Rollins Lake are expected to decline significantly by July, posing risks to both water supply and recreational activities. Likewise, Scotts Flat Lake is projected to experience water level reductions similar to 2024; however, PG&E is working on a bypass for Spaulding 2, which may help mitigate some impacts on customer water supply and lake elevations.

Given the anticipated disruptions from the upcoming SPA 1 and SPA 2 repairs, continued awareness and water conservation efforts will be critical to preserving the community's water supply for essential uses as well as public health and safety as we approach the summer months.

BUDGETARY IMPACT:

Mandatory conservation measures will reduce treated water volumetric revenue. The amount is unknown at this time and depends on the volume of water conserved.

Attachments: (4)

- Resolution 2025-12
- Resolution 2024-26
- Resolution 2024-23
- Resolution 2024-10



RESOLUTION NO. <u>2025-12</u> OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT

CONTINUING EMERGENCY WATER SHORTAGE CONDITIONS

WHEREAS, the Nevada Irrigation District (NID or District) is a California Irrigation District formed and existing pursuant to Division 11 of the California Water Code and is empowered to provide water for residential, commercial, industrial, agricultural, environmental, fire protection and prevention and other beneficial uses of water; and

WHEREAS, on March 27, 2024, the NID Board of Directors adopted Resolution No. 2024-10 "Declaring a Water Shortage Emergency, Authorizing Extraordinary Water Conservation Rules and Regulations, and Authorizing Emergency Response Activities and Projects"; and

WHEREAS, on June 12, 2024, the NID Board of Directors adopted Resolution No. 2024-23 "Authorizing Rotating Outages to Irrigation Water Service for Certain Canals Given Ongoing Emergency Water Shortage Conditions"; and

WHEREAS, on June 26, 2024, the NID Board of Directors adopted Resolution No. 2024-26 "Imposing Mandatory Water Conservation Measures Given Ongoing Emergency Water Shortage Conditions"; and

WHEREAS, Resolution No. 2024-10, Resolution No. 2024-23, and Resolution 2024-26 were adopted due to multiple failures of facilities owned by Pacific Gas & Electric Company (PG&E) causing significant limitations in NID's ability to transport NID water to its downstream facilities and customers, thereby causing emergency water shortage conditions; and

WHEREAS, water supplies to the Bear River, Chicago Park Powerhouse and Rollins Reservoir continue to be limited due to PG&E's inability to fully complete repairs to their Spaulding 1 powerhouse in 2024, and

WHEREAS, water supplies to NID's South Yuba Canal, Cascade Canal, Scotts Flatt Reservoir and multiple other downstream NID facilities remain restricted due to PG&E's ongoing repair challenges at their Spaulding 2 powerhouse, and

WHEREAS, PG&E informed NID that full delivery of flows arenot anticipated into Rollins Reservoir until approximately August 2025 and through Spaulding 2 into Scotts Flat Reservoir until 2026 or 2027; and

WHEREAS, notwithstanding the emergency response measures in Resolution Nos. 2024-10 and 2024-23, and 2024-26, PG&E's inability to complete repairs to its

Resolution No. 2025-12 - Continuing Emergency Water Shortage Conditions Page 2

Spaulding facilities cause cascading issues impacting NID's ability to supply continuous water supply in usable volumes during the 2025 irrigation season to NID customers; and

WHEREAS, to equitably apportion the water available given limited supplies all customers will need to conserve to ensure adequate water resources through the duration of the emergency.

NOW, THEREFORE, BE IT RESOLVED AND PROCLAIMED by the Board of Directors of the Nevada Irrigation District as follows:

- 1. The above recitals are true and are incorporated by this reference as findings of the Nevada Irrigation District
- 2. The emergency measures established in Resolution Nos. 2024-10, 2024-23 and 2024-26 shall remain in full force and effect. The emergency measures implemented under this Resolution shall be in addition to those measures specified therein.
- 3. Surplus water to areas outside the District's water right boundaries will not be available until full restoration of flows through PG&E's facilities is available.
- 4. Raw Water customers who voluntarily reduced irrigation water purchases will remain at the reduced purchase allotment until emergency conditions subside.
- 5. This Resolution will remain in effect until (a) notification by the District that water delivery in satisfactory volumes has been re-established by PG&E; or (b) superseded by the NID Board of Directors, whichever is earlier.

PASSED AND ADOPTED by the Board of Directors of Nevada Irrigation District at a meeting duly called and held within the District on the 12th day of February 2025 by the following roll call vote:

AYES:Directors:NOES:Directors:ABSENT:Directors:ABSTAINS:Directors:

President of the Board of Directors

Attest:

Secretary to the Board of Directors



RESOLUTION NO. <u>2024-26</u> OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT

IMPOSING MANDATORY WATER CONSERVATION MEASURES GIVEN ONGOING EMERGENCY WATER SHORTAGE CONDITIONS

WHEREAS, the Nevada Irrigation District (NID or District) is a California Irrigation District formed and existing pursuant to Division 11 of the California Water Code and is empowered to provide water for residential, commercial, industrial, agricultural, environmental, fire protection and prevention and other beneficial uses of water; and

WHEREAS, on March 27, 2024, the NID Board of Directors adopted Resolution No. 2024-10 "Declaring a Water Shortage Emergency, Authorizing Extraordinary Water Conservation Rules and Regulations, and Authorizing Emergency Response Activities and Projects"; and

WHEREAS, Resolution No. 2024-10 was adopted due to multiple failures of facilities owned by Pacific Gas & Electric Company (PG&E) that are utilized by NID to transport NID water to its downstream facilities and customers, thereby causing emergency water shortage conditions; and

WHEREAS, resolved paragraph 5 of Resolution No. 2024-10 authorized the NID General Manager to take appropriate emergency actions necessary to mitigate emergency water shortage conditions, including adopting and publishing reasonable regulations and restrictions on the delivery of water within NID's service area; and

WHEREAS, given adequate lead time, and consistent with resolved paragraph 7 of Resolution No. 2024-10, the NID Board of Directors, rather than NID's General Manager under delegated authority, is considering in this Resolution additional emergency response measures to address the ongoing water shortage emergency; and

WHEREAS, PG&E's initial estimate of restoration of water service to NID's Drum Canal through PG&E's Spaulding 1 Powerhouse (SPA 1) was June 8, 2024, and then modified to June 18, 2024, and Resolution No. 2024-26 - Imposing Mandatory Water Conservation Measures Given Ongoing Emergency Water Shortage Conditions Page 2

WHEREAS, PG&E's estimates of restoration of the its South Yuba Pipeline (SYP) which supplies water to NID's South Yuba Canal, Cascade Canal, Scotts Flatt Reservoir and multiple other downstream NID facilities has fluctuated significantly and currently is end of August 2024; and

WHEREAS, on May 15, 2024, PG&E informed NID that the return to service date of the SYP was delayed to approximately August 24, 2024, and on June 11, 2024, PG&E informed NID that the SPA 1 return to service was delayed to July 30, 2024; and

WHEREAS, under Resolution No. 2024-10 NID requested 20% voluntary water conservation from all NID customers, initiated operation of all emergency backup facilities including all pump stations, purchased additional source water, and rerouted irrigation flows, all designed to meet customer demands through PG&E's June 18th SPA 1 return to service date and end of August return to service date for PG&E's SYP; and

WHEREAS, on June 12, 2024, NID adopted Resolution No. 2024-23 "Authorizing Rotating Outages to Irrigation Water Service for Certain Canals Given Ongoing Emergency Water Shortage Conditions"; and

WHEREAS, notwithstanding these emergency response measures in Resolution Nos. 2024-10 and 2024-23, PG&E's continued delays cause cascading issues impacting NID's ability to continue to supply continuous water supply to usable volumes to NID customers, thus necessitating further water saving measures; and

WHEREAS, to equitably apportion the water available given limited supplies all customers will need to conserve to ensure adequate water resources through the duration of the emergency.

NOW, THEREFORE, BE IT RESOLVED AND PROCLAIMED by the Board of Directors of the Nevada Irrigation District as follows:

- 1. The above recitals are true and are incorporated by this reference as findings of the Nevada Irrigation District
- 2. Under state and federal law, including California Water Code sections 375 through 378, and the District's Urban Water Management Plan and Agricultural

Resolution No. 2024-26 - Imposing Mandatory Water Conservation Measures Given Ongoing Emergency Water Shortage Conditions Page 3

Water Management Plan, the District is hereby implementing portions of its drought contingency plans to achieve a cumulative 20% reduction in treated water and raw/irrigation water use as compared to usage in 2023.

- 3. To conserve limited available water supplies, the District hereby prohibits the following water use practices except where necessary to address immediate health and safety needs:
 - a. Applying water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures, or excessive spill.
 - b. The use of a hose that dispenses potable water to wash a motor vehicle except where the hose is fitted with a shut off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use.
 - c. The application of water to driveways and sidewalks.
 - d. The use of water in a fountain or other decorative water feature, except where the water is part of a recirculating system.
 - e. The application of water to outdoor landscapes during and within 48 hours after measurable rainfall.
 - f. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased.
 - g. The irrigation with water of ornamental turf on public street medians.
 - h. The irrigation with water of landscapes outside of newly constructed homes and buildings in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.
 - i. Failure of the operators of hotels and motels to provide guests with the option of not having towels and linens laundered daily.
- 4. All the District's customers (treated and raw/irrigation) shall be subject to the following conservation measures applicable to watering of lawns, ornamental landscape, and turf (collectively "turf") to achieve a 20% reduction in water use as compared to 2023.
 - a. Outdoor irrigation of turf shall be limited to three days per week.
 - b. Odd property addresses are permitted to water turf on Tuesday, Thursday and Saturday.
 - c. Even property addresses are permitted to water turf on Wednesday, Friday, and Sunday.

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- d. All watering of turf, when permitted, shall be undertaken in early morning (before 7 a.m.) and late evening (after 9 p.m.).
- The measures implemented under this Resolution shall be in addition to those measures specified by the District under Resolution No. 2024-10 and Resolution No. 2024-23. Nothing herein is intended to supersede either Resolution.
- 6. This Resolution will remain in effect until (a) notification by the District that water delivery in satisfactory volumes has been re-established by PG&E; or (b) superseded by the NID Board of Directors, whichever is earlier.

PASSED AND ADOPTED by the Board of Directors of Nevada Irrigation District at a meeting duly called and held within the District on the 26rth day of June, 2024 by the following roll call vote:

AYES:Directors:Hull, Bierwagen, Caulder, Heck, JohansenNOES:Directors:NoneABSENT:Directors:NoneABSTAINS:Directors:None

President of the Board of Directors

Attest:

Secretary to the Board of Directors



RESOLUTION NO. 2024-23

OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT

AUTHORIZING ROTATING OUTAGES TO IRRIGATION WATER SERVICE FOR CERTAIN CANALS GIVEN ONGOING EMERGENCY WATER SHORTAGE CONDITIONS

WHEREAS, the Nevada Irrigation District (NID) is a California Irrigation District formed and existing pursuant to Division 11 of the California Water Code and is empowered to provide water for residential, commercial, industrial, agricultural, environmental, fire protection and prevention and other beneficial uses of water; and

WHEREAS, on March 27, 2024, the NID Board of Directors adopted Resolution No. 2024-10 "Declaring a Water Shortage Emergency, Authorizing Extraordinary Water Conservation Rules and Regulations, and Authorizing Emergency Response Activities and Projects"; and

WHEREAS, Resolution No. 2024-10 was adopted due to multiple failures of facilities owned by Pacific Gas & Electric Company (PG&E) that are utilized by NID to transport NID water to its downstream facilities and customers, thereby causing emergency water shortage conditions; and

WHEREAS, resolved paragraph 5 of Resolution No. 2024-10 authorized the NID General Manager to take appropriate emergency actions necessary to mitigate emergency water shortage conditions, including adopting and publishing reasonable regulations and restrictions on the delivery of water within NID's service area; and

WHEREAS, resolved paragraph 6 of Resolution No. 2024-10 provided examples of the types of reasonable regulations that the NID General Manager may adopt, including subsection c that NID may employ a system of rotating water service to various users based on an evaluation of available water supply and capacity of alternative supplies to meet customer demands; and

WHEREAS, given adequate lead time, and consistent with resolved paragraph 7 of Resolution No. 2024-10, the NID Board of Directors, rather than NID's General Manager under delegated authority, is considering in this Resolution additional emergency response measures to address the ongoing water shortage emergency; and

WHEREAS, PG&E's initial estimate of restoration of water service to NID's Drum Canal through PG&E's Spaulding 1 Powerhouse (SPA 1) was June 8, 2024, and then modified to June 18, 2024; and

WHEREAS, PG&E's estimates of restoration of its South Yuba Pipeline (SYP) which supplies water to NID's South Yuba Canal, Cascade Canal, Scotts Flatt Reservoir

Resolution 2024-23 - Authorizing Rotating Outages to Irrigation Water Service for Certain Canals Given Ongoing Emergency Water Shortage Conditions Page 2

and multiple other downstream NID facilities has fluctuated significantly and currently is end of August 2024; and

WHEREAS, on May 15, 2024, PG&E informed NID that the return to service date of the SYP was delayed to approximately August 24, 2024, and on May 30, 2024, PG&E informed NID that the SPA 1 return to service was delayed to June 30, 2024; and

WHEREAS, under Resolution No. 2024-10 NID requested 20% voluntary water conservation from all NID customers, initiated operation of all emergency backup facilities including all pump stations, purchased additional source water, and rerouted irrigation flows, all designed to meet customer demands through PG&E's June 18th SPA 1 return to service date and end of August return to service date for PG&E's SYP; and

WHEREAS, notwithstanding these emergency response measures, PG&E's delays cause cascading issues impacting NID's ability to continue to supply continuous water supply to usable volumes to certain NID customers, thus necessitating further water saving measures; and

WHEREAS, NID has used and will continue to use emergency pumps to take water from NID's DS Canal to supply water to NID's Cascade Canal system, which provides potable water service to over 11,500 connections through NID's E. George and Loma Rica water treatment plants, and in-home canal use to 120 customers; and

WHEREAS, the delay in the return to service of the SYP and SPA 1 will increase the demands on NID's DS Canal beyond its maximum capacity as summer irrigation increases; and

WHEREAS, NID forecasts that its DS Canal will reach maximum capacity on or around June 20, 2024, causing the loss of a sufficient volume of water to a number of downstream canals and NID customers; and

WHEREAS, to equitably apportion the water available given limited supplies and capacity, NID anticipates the necessity of beginning rotating irrigation water outages on June 20, 2024, on canals supplied by the DS canal; and

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT AS FOLLOWS:

- 1. The above recitals are true and correct and are declared to be findings of the Nevada Irrigation District.
- 2. The Board of Directors finds and determines that temporary canal outages on a rotating schedule are necessary to mitigate emergency water shortage conditions. Outages will be for a duration of three days, then rotate to the next set of impacted canals. Impacted customers should allow for 15 hours of travel time for water restoration, especially at the ends of the canals. The current estimated rotation and affected canals are as follows:

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- a. Rotation #1
 - i. Clear Creek Canal
 - ii. Outage: June 20 through June 23
- b. Rotation #2
 - i. Tarr Canal downstream of Retract Road
 - ii. Outage: June 23 through June 26
- c. Rotation #3
 - i. Cole Viet, Wolf, Pearl Barnes, and Carpenter Canals
 - ii. Outage: June 26 through June 29
- d. Rotation #4
 - i. Smith Gordon, Casy Loney, Stinson Pipe, Pet Hill, Pet Hill Extension
 - ii. Outage: June 29 through July 2
- NID will maximize all resources and attempt to delay or minimize the duration of rotating outages if capacity in the DS Canal is available. Real-time updates will be provided on NID's outage web page <u>https://www.nidwater.com/irrigation-wateroutages</u>. Customers may also contact NID Customer Service at (530) 273-6185 for up to date information.
- 4. This Resolution shall remain in full force and effect until PG&E's SPA1 is returned to service and sufficient water flow from the SYC, rather than pumped from the DS Canal, is available at the headworks of NID's Cascade Canal.
- 5. Nothing herein is intended to modify or alter Resolution No. 2024-10, including without limitation, the Board of Directors delegated authority to NID's General Manager to take appropriate emergency actions that are necessary to mitigate the emergency water shortage and as needed for the protection of persons and property.

PASSED AND ADOPTED by the Board of Directors of the Nevada Irrigation District at a regular meeting held on the 12th day of June 2024, by the following vote:

AYES: Hull, Bierwagen, Heck, Johansen NOES: Caulder ABSTAINING: None ABSENT: None

President of the Board

ATTEST: ristemiaa)

Board Secretary



RESOLUTION NO. <u>2024-10</u> OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT

DECLARING A WATER SHORTAGE EMERGENCY, AUTHORIZING EXTRAORDINARY WATER CONSERVATION RULES AND REGULATIONS, AND AUTHORIZING EMERGENCY RESPONSE ACTIVITIES AND PROJECTS

WHEREAS, the Nevada Irrigation District (District) is a California Irrigation District formed and existing pursuant to Division 11 of the California Water Code and is empowered to provide water for residential, commercial, industrial, agricultural, environmental, fire protection and prevention and other beneficial uses of water; and

WHEREAS, the South Yuba Canal, and Drum Canal are owned and operated by Pacific Gas and Electric Company (PG&E), but are operated in coordination with District's water storage and distribution facilities and are integral components of the District's water system, including being the primary conduits for conveying water to District water users located in Nevada and Placer Counties; and

WHEREAS, on or about February 9, 2024 a portion of the South Yuba Canal suffered a complete collapse rendering the South Yuba Canal inoperable; and

WHEREAS, on March 6, 2024, PG&E's Spaulding 1 powerhouse suffered an unscheduled outage/failure rendering the Drum Canal inoperable; and

WHEREAS, the Drum and South Yuba Canals serve as the water conveyance facilities that provide water to thousands of customers of the District serving numerous necessary and beneficial uses of water; and

WHEREAS, demand for water from District facilities occurs year round; however, those demands will begin to increase significantly with warming temperatures in spring and summer and with the onset of the District's irrigation season on April 15, 2024; and

WHEREAS, the Drum and South Yuba Canal failures will force the District to rely on limited water storage to supply customer demands in the spring and summer months; and

WHEREAS, PG&E currently forecasts repair of the Canals by June 8, 2024; and

WHEREAS, if the Drum and South Yuba Canal are not repaired by the June 8, 2024 target date, the District's limited water storage supplies may be exhausted and may not be able to fully serve the water needs and demands of irrigation water users; and

WHEREAS, in light of emergency conditions, and in accordance with California Water Code Sections 350 et seq. and 375 et seq., the Board of Directors of Nevada Irrigation District finds that the public interest demands that it declare a water shortage

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emergency condition prevailing within the area served by the District with supplies derived from the Drum and South Yuba Canals because the Board finds and determines that the ordinary demands and requirements of water consumers served cannot be satisfied without depleting the water supply to a level where there is insufficient water for all necessary and beneficial uses, including human consumption, sanitation, fire protection, municipal and agricultural; and

WHEREAS, pursuant to Water Code section 351, the failure or breakage of the Drum and South Yuba Canals have caused an immediate emergency; therefore, the declaration of water supply emergency may be made by the Board of Directors of the District without holding a public hearing and without advance publication of notice of hearing; and

WHEREAS, when the Board of Directors of the District has so determined and declared the existence of an emergency condition of water shortage within its service area, it shall thereupon adopt such reasonable regulations and restrictions on the delivery of water and the consumption within said area of water supplied for public use as will in the sound discretion of the Board of Directors to conserve the water supply for the greatest public benefit with particular regard to domestic use, sanitation, and fire protection; and

WHEREAS, the regulations and restrictions may include the right to deny applications for new or additional service connections, enforcement of rotations and rationing of water for irrigation use, implementation of water conservation measures, and provision for their enforcement by reducing or discontinuing service to customers willfully or repeatedly violating the regulations and restrictions; and

WHEREAS, projects, including the actions to be undertaken pursuant to this Resolution, to mitigate or to address an emergency are exempt from the California Environmental Quality Act (CEQA); and

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT AS FOLLOWS:

- 1. The above recitals are true and correct and hereby declared to be findings of the Nevada Irrigation District.
- 2. The Board finds and determines that the failure of Drum and South Yuba Canals have created an emergency where the ordinary demands and use of water by District customers cannot be satisfied without depleting the District's water supply. Given the emergency, and in the absence of emergency response, there would be insufficient water for all beneficial uses of water delivered and used by the District, including human consumption, sanitation, residential, fire protection and prevention, and agricultural uses within the area served by the supplies from the Drum and South Yuba Canals.

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- Page 3
 - 3. The Board finds and determines that the failure of the Drum and South Yuba Canals have caused a sudden, unexpected, and immediate emergency, and that a public hearing need not and cannot be conducted prior to adoption of this Resolution declaring emergency. However, the Board of Directors directs District staff to publicly notice via the District's website and other communication outlets to actively communicate with District customers regarding this emergency and the actions, including water conservation measures, authorized herein.
 - 4. The Board finds and determines that the failure of the Drum and South Yuba Canals require immediate action to undertake emergency maintenance, repair and construction activities to preserve essential public services needed to protect persons and property and that such projects are exempt from CEQA and other applicable or potentially applicable laws or regulations.
 - 5. The Board hereby appoints and authorizes its General Manager to take appropriate emergency actions that are necessary to mitigate the emergency water shortage and as needed for the protection of persons and property, including construction projects such as emergency interties, and further to adopt and publish such reasonable regulations and restrictions on the delivery of water and consumption of water within the impacted service area of the District in order to conserve the water supply for the greatest public benefit.
 - 6. Such regulations may include the following:
 - a. The District may deny applications for new additional service connections and for increased delivery to existing connections.
 - b. The District may curtail or limit the volume of water delivered to any existing water user or customer consistent with the limitations on water supply, including allocating water for irrigation of the basis of crops grown in order to equitably distribute water and minimize loss of permanent plantings and established crops.
 - c. The District may employ a system of rotating water service to various users. Such schedule of rotation and amount of water delivered during each rotation shall be established based on an evaluation of available water supply and capacity of any alternative supplies to meet customer demands.
 - d. The District may otherwise allocate supply as needed and based on water supply available consistent with applicable law, including prioritizing sanitation, human, consumption and fire protection.
 - e. The District may enforce the rules and regulations by any lawful means available to the District, including financial penalties and reducing or discontinuing service to consumers that willfully or negligently violate the District's regulations and restrictions.

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f. The District may implement its Drought Contingency Plan as set forth in its Urban Water Management Plan and/or Agricultural Water Management Plan.

- 7. Actions taken by the General Manager pursuant to this Resolution will be reported in writing to the Board of Directors within 24-hours and also reported publicly to the Board of Directors at the next available board meeting. Any curtailment actions that require mandatory compliance from NID customers will require ratification by the Board of Directors at the next available board meeting. Reporting to the Board of Directors will continue for the duration of the emergency.
- 8. The General Manager shall coordinate with PG&E and any other agency with regulatory authority over the repair to the Drum and South Yuba Canals to ensure PG&E's repair efforts proceed with utmost diligence.
- 9. This Resolution and any actions taken hereunder, including adoption of reasonable regulations and restrictions shall remain in full force and effect until emergency conditions no longer exist.

PASSED AND ADOPTED by the Board of Directors of the Nevada Irrigation District at a regular meeting held on the 27th day of March 2024, by the following vote:

AYES: Bierwagen, Hull, Heck, Johansen NOES: Caulder ABSTAINING: None ABSENT: None

President

ATTEST:

tepania

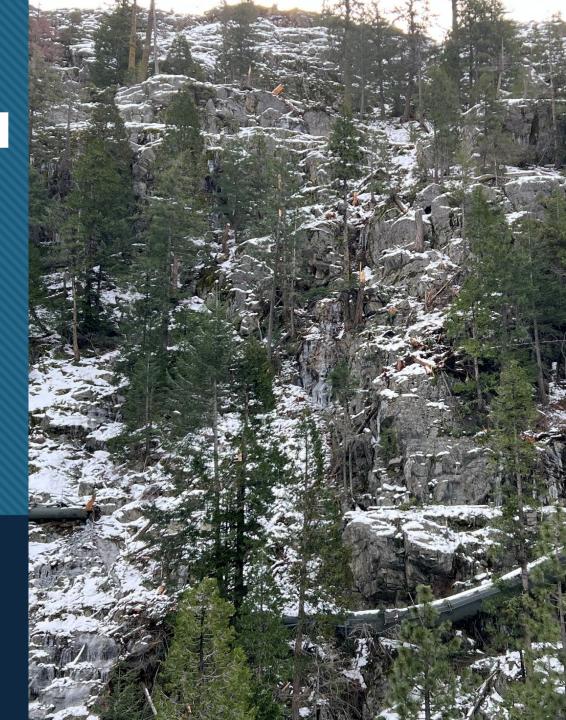
Board Secretary

Continued Water Supply Emergency

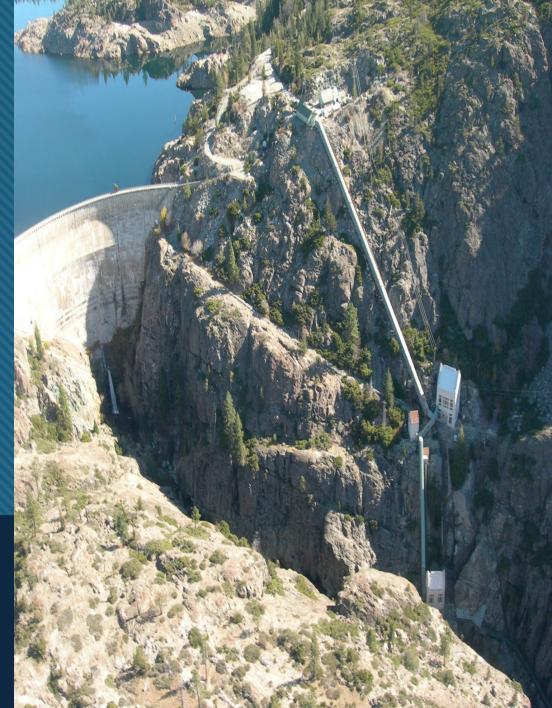


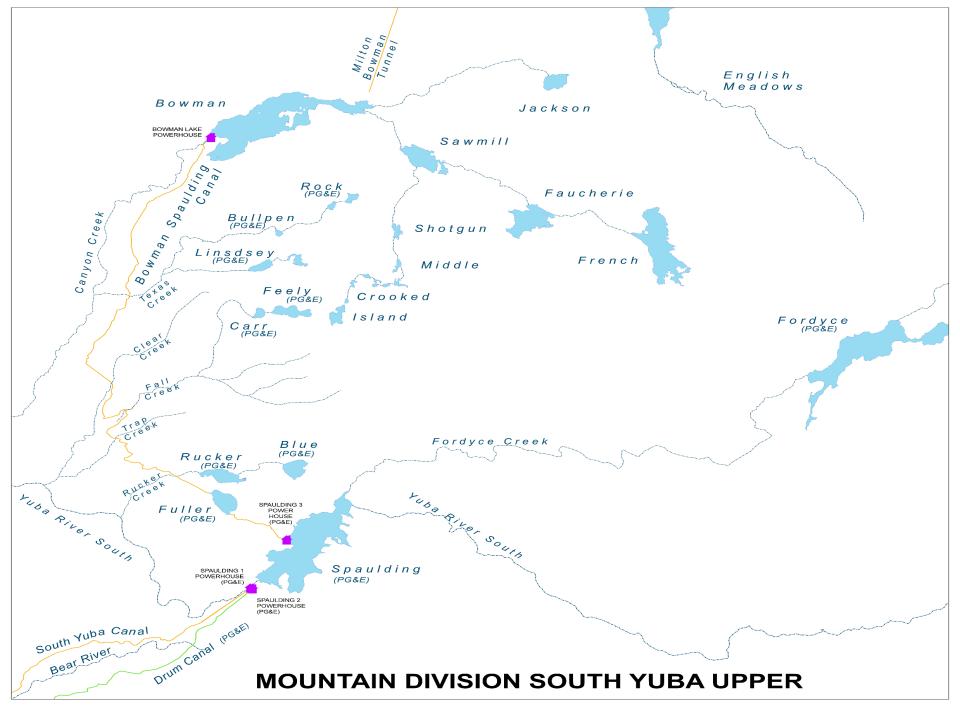


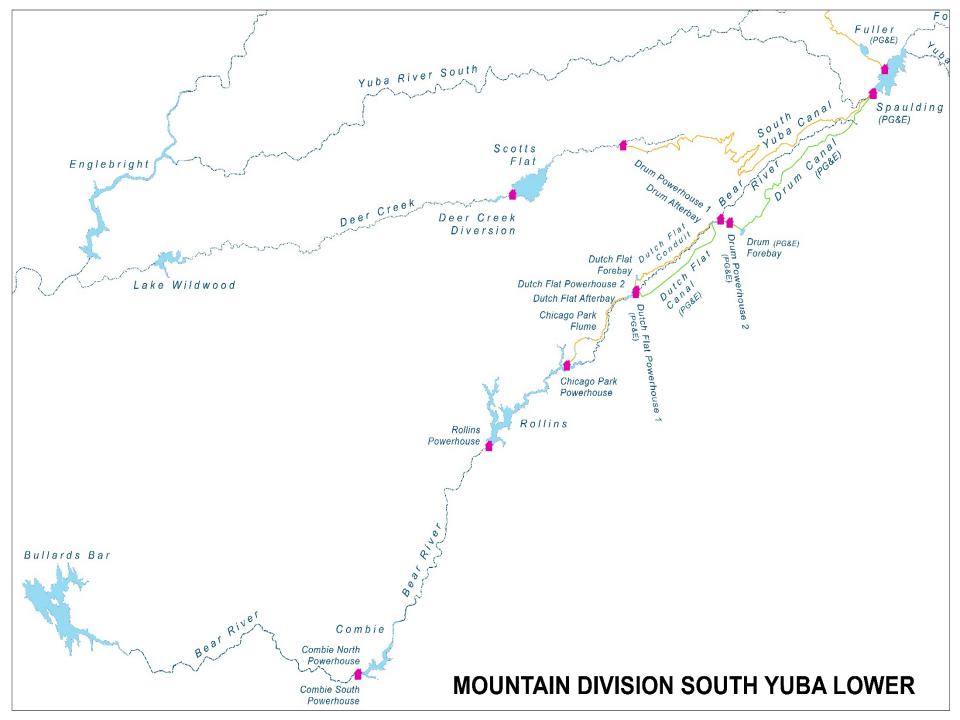
South Yuba Pipeline Damage February 2024



Spaulding 1 & 2 Damaged March 2024







2024 PG&E Repair Timeline Partial repairs to Spaulding 1 complete in July

- Only allowed for limited flows to both SYC (Scotts Flat) and Rollins
- PG&E informed NID that full repairs would take a second outage next year

Repairs to the South Yuba Pipeline completed early Aug.

• Still no flow available through this section due to ongoing Spaulding 2 outage

Spaulding 2 out of service & waiting for parts

- PG&E expected repairs to occur in the winter months of 2024/2025
- Crews working on a bypass

PG&E SOUTH YUBA CANAL REPAIRS

PG&E SOUTH YUBA CANAL REPAIRS



4/6/24 11028 Lake Sp Neveda City NID, PG&E, and PCWA continue to meet weekly

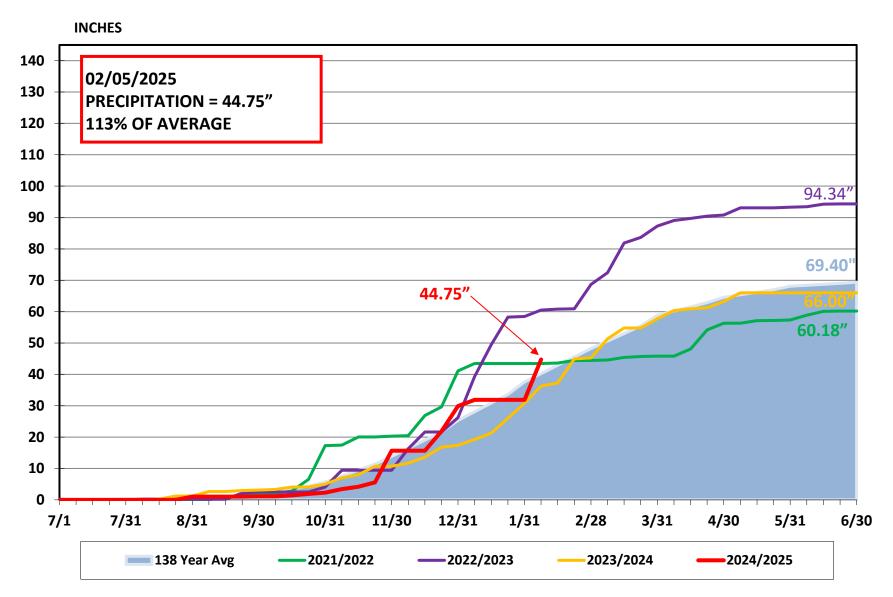
Discussed if current hydrology supported second outage

STATUS for 2025

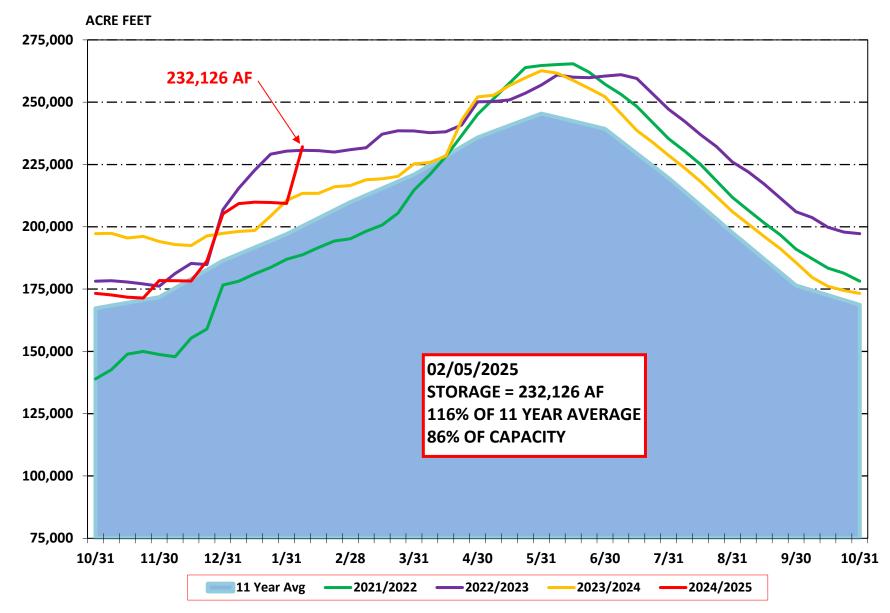
Wet December and February have filled Rollins and Scotts

This supports moving forward with second round of repairs for Spaulding 1 horns

BOWMAN LAKE PRECIPITATION



NID RESERVOIR STORAGE



Spaulding 1 Horn B repairs to begin March 3, 2025

- Work anticipated to continue through August 2, 2025
- PG&E expects limited flows available once testing starts (tentatively late June)

Anticipated 2025 Outage Timing

Spaulding 2 Repairs

- Repairs to the powerhouse not expected until 2026 or 2027
- PG&E crews have designed and installed a bypass around the powerhouse
- Bypass intended to allow limited flows into the SYC
- Bypass is still undergoing flow testing
- Bypass is critical to minimizing rotating canal outages later in the season

2025 SPA 1 Outage Affects to Rollins

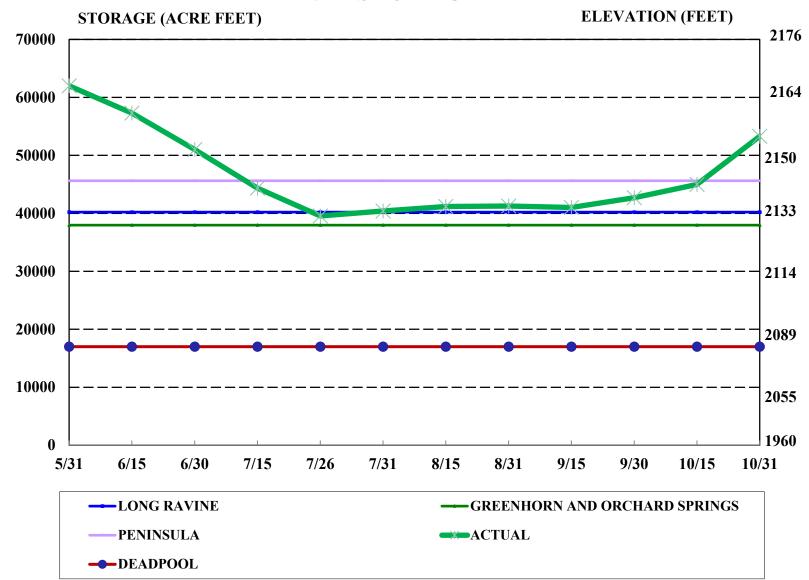
Worst Case Scenario (Spaulding 1 flows return Aug 2)

- Rollins expected to drop below 30,000af by August (Deadpool @ 17K)
- Maximum purchase of PG&E water to reserve supply in Rollins
- Potential for rotating canal outages may be necessary in August
- Boating and recreation unavailable in mid to late July

Best Case Scenario (Spaulding 1 limited flow end of June)

- Rollins expect to drop to elevations similar to 2024 elevations
- Purchase of PG&E water required but to a lesser extent
- Potential to sustain Rollins elevation to keep three boat ramps operational
- Rotating canal outages will likely be avoided

ROLLINS RESERVOIR 2024 STORAGE



2025 SPA 2 Outage Affects to Scotts Flat

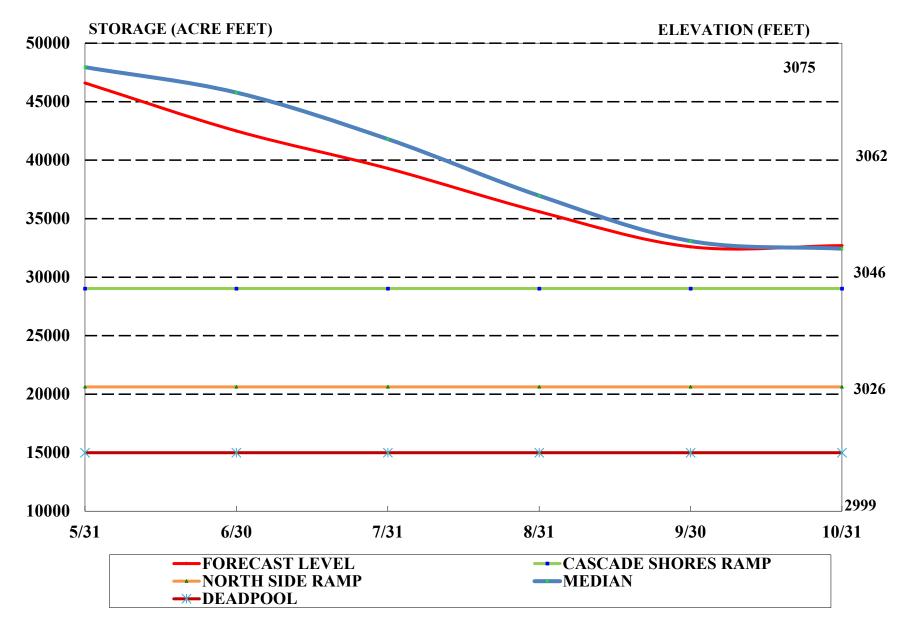
Worst Case Scenario (no Spaulding 2 bypass)

- Scotts Flat drops to elevations witnessed last year
- Maximum emergency pumping necessary
- Rotating canal outages necessary beginning in late June
- Boating and recreation become limited later in summer

Best Case Scenario (Spaulding 2 bypass at 70 CFS)

- Lake levels will continue to drop, however at a much slower pace
- Spa 1 tie-in may force short canal rotations depending on flow availability
- Emergency pumping will still be required
- Recreation should have adequate supplies for a full season

SCOTT'S FLAT RESERVOIR (with bypass) 2025 Forecast



Continued Emergency Declaration Actions

Resolution 2024-10 (Adopted 3/27/2024)

- Initial declaration of emergency
- Appointed GM to take actions to mitigate emergency
- New or increased raw water connections on hold until emergency over
- No fall water availability
- Resolution 2024-23 (Adopted 6/12/2024)
 - Established the framework for rotating canal outages
 - Goal is to limit outages to 3 days
 - May need to expand beyond those listed in the resolution

Continued Emergency Declaration Actions

Resolution 2024-26 (Adopted 6/26/2024)

- Enacted portions of the Districts' Drought Contingency plan
- Established mandatory 20% conservation measures for treated and raw
 - Accomplished through limiting ornamental landscape watering to 3 days a week
- Included a list of prohibited actions through duration of emergency
- Resolution 2025-12 (today's resolution)
 - Extends the previous emergency resolutions through the duration of repairs
 - No surplus available outside of water right boundaries until repairs are complete
 - O Voluntary reductions from 2024 are appreciated and will remain in place
 - Reductions are recorded and will hold their priority once emergency is over