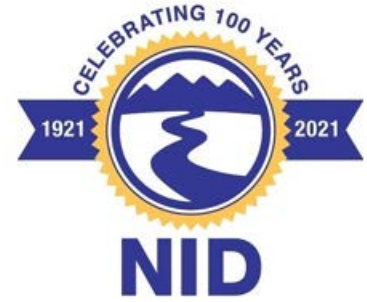


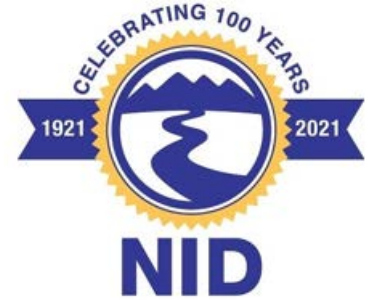
Nevada Irrigation District

Department Updates



Presented to the Board of Directors
May 26, 2021

Administration Department



Environmental Resources Program

Program Updates, Highlights & Grants Update

Safety

Site Visits, Training Classes, & Administrative Activities

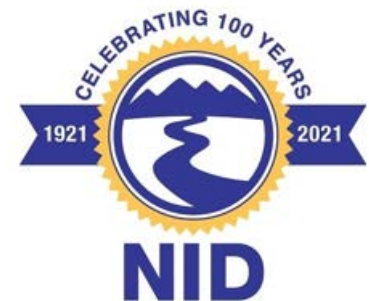
Communications

Website, Social Media, News Releases, Engage, History Book

Environmental Resources Program

Program Updates

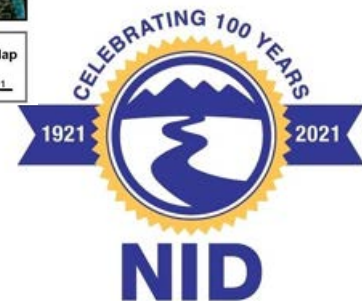
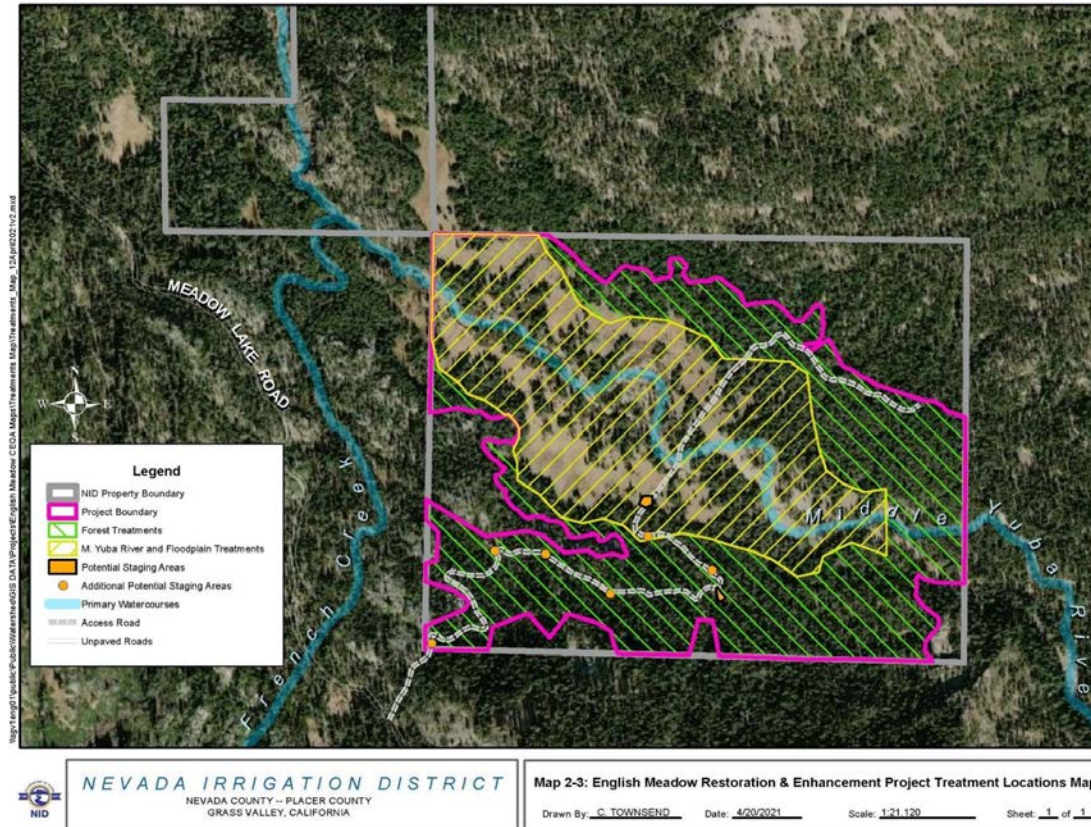
- **Meadow restoration:** English Meadow Floodplain Restoration Project environmental compliance continues, and the public DRAFT IS/MND was released for review and comment in preparation for the Wildlife Conservation Board's upcoming grant August 2021. Public info meeting scheduled June 2, 2021 6p.
- **Watershed and Healthy Forests:** Project implementation continues and fire fuels treatment at Scotts Flat Reservoir in partnership with Sierra Nevada Conservancy is underway, and Rollins Reservoir CAL FIRE work is completed. Hazard tree removal has been prioritized at the Rollins campgrounds and Orchard Springs, Long Ravine and Peninsula sites are being worked on. Significant tree mortality is challenging existing budget dedicated for 2021 tree removal.
- **Grant administration/contract management:** Contracting, invoicing and reporting ongoing.
- **Regional partnerships/Education:** The Cosumnes, American, Bear and Yuba River (CABY) Integrated Regional Water Management Plan has been deemed "sufficient" by the Dept. of Water Resources and is in a 30-day public review period.
- **Grazing:** Grazing leases to be updated for District properties in mid and high elevation areas in 2021.



Environmental Resources Program

Program Highlight: English Meadow Floodplain Enhancement and Restoration Project

- Public review draft Mitigated Negative Declaration is completed and distributed for a 380-acre project in the Middle Yuba River headwaters (see project area in map, design schematic on last slide)
- \$1.2M grant award from the Wildlife Conservation Board scheduled summer 2021
- Plan for implementation to begin summer of 2022
- Project goals:
 - Installation of woody debris to Middle Yuba River stream to activate floodplain, and improve hydrology
 - Understory thinning on forested slopes to decrease risk of wildfire disturbance and benefit hydrology, forest health, and habitat



Environmental Resources Program

Grants Update

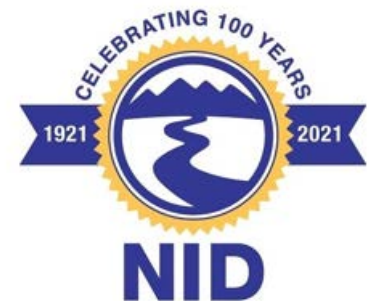
CAL FIRE CFIP Grant for Rollins Reservoir (photos are at Orchard Springs Campground May 2021)

- Work is nearly completed at Long Ravine and Orchard Springs Campgrounds (~105 acres), near Rollins Reservoir to include mastication and handcrews. This has been a significant undertaking, requiring coordination with Recreation Dept. to ensure public safety
- Additional hazard tree removal (not part of the grant funded scope of work) has been occurring while we are onsite to maximize efficiencies to improve overall safety and appearance of the campgrounds



SNC Fuels Treatment at Scotts Flat Phase 4

- Project implementation continues- mastication and handcrews to improve forest health and fire resilience
- Fire fuels treatment along the NID pipeline and Upper Bench Road is nearly complete
- North and South shore NID parcels towards Deer Creek confluence are underway
- Grant agreement with the Sierra Nevada Conservancy for \$981,000 at Scotts Flat Reservoir, and project is in final phase (~ 70 acres left)
- Creating a multi-species, multi-aged, properly spaced forest community
- We will treat total of 300 acres by Jan. 1, 2022

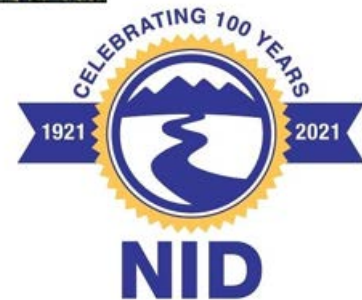
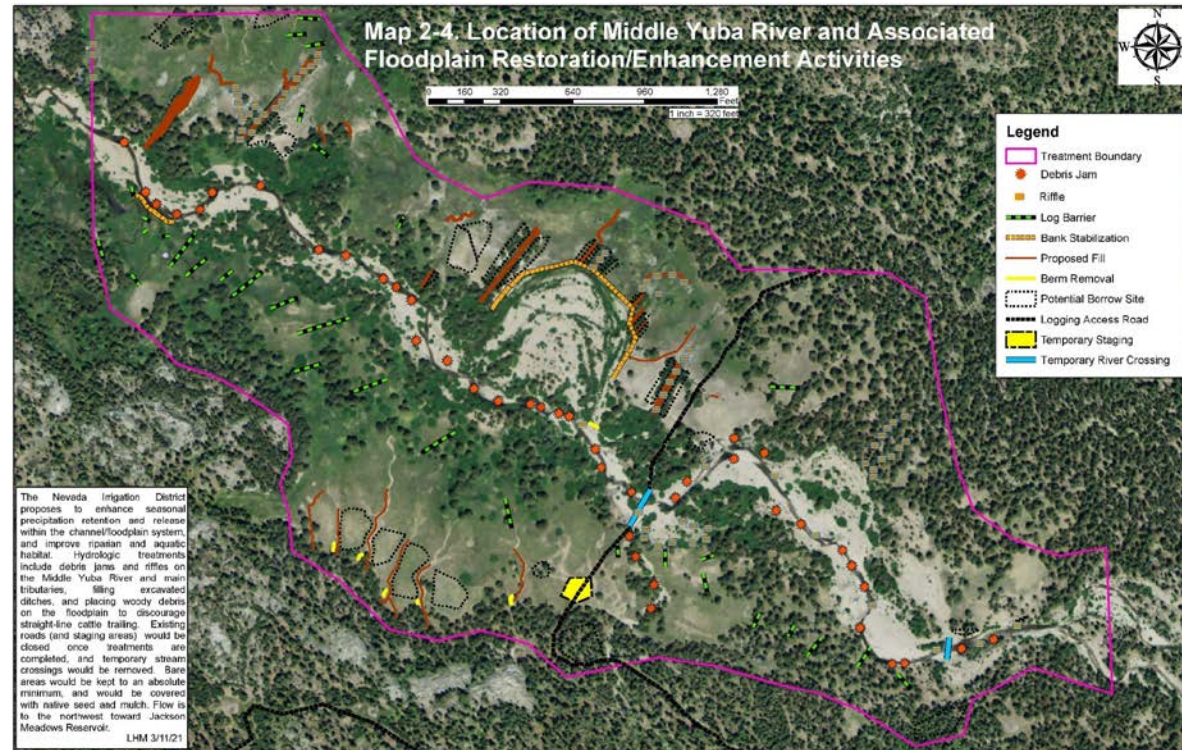


Environmental Resources Program

General Watershed and Healthy Forests Program Update

Fire Fuels Treatment and Hazard Tree Removal on District Property

- The annual hazard tree assessment and inventory is underway by our consulting Forester, Mr. Kevin Whitlock RPF at all of our campgrounds
- All Scotts Flat and Rollins Reservoir campgrounds have been assessed, Jackson Meadows assessments initiated 5/18/21.
- Oak trees seem to be showing significant signs of disease and rot, which compromises their integrity and prompts removal. Large pines have also been removed due to disease and insect stress. Additionally, limbing above campsites is critical to reduce potential for associated damages.



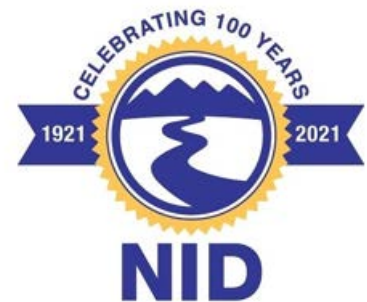
Safety

Site Visits

- Maintenance Department: Ridge Road regarding employee safety for traffic control in a high volume area for construction crew
- Placer Maintenance Department: SPPC plan with Doug Andrews, Pl. Maint. Supervisor
- Maintenance Department: Loma Rica tank inspection for scaffolding safety and confined space safety
- Hydroelectric Department: Chicago Park Powerhouse, fire suppression system testing
- Hydroelectric Department: Chicago Park Powerhouse, provided help with a permitted confined space entry during a pipe inspection
- Hydroelectric Department: Chicago Park Powerhouse CO2 discharge test
- Hydroelectric Department: Bear Valley Flume, review working with heights using the proper PPE

Training Classes

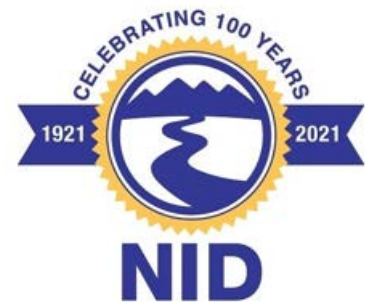
- Maintenance Department: New hire orientation for one utility worker
- Maintenance Department: New hire orientation for one heavy equipment mechanic worker
- Maintenance Department: Forklift operations and safety
- Maintenance Department: CPR/First Aid on Target Solutions due to Covid restrictions
- Recreation Department: New temp orientation for 6 temporary employees
- Customer Service Department: Incident report writing for 3 meter reader employees



Safety

Administrative Safety Activities

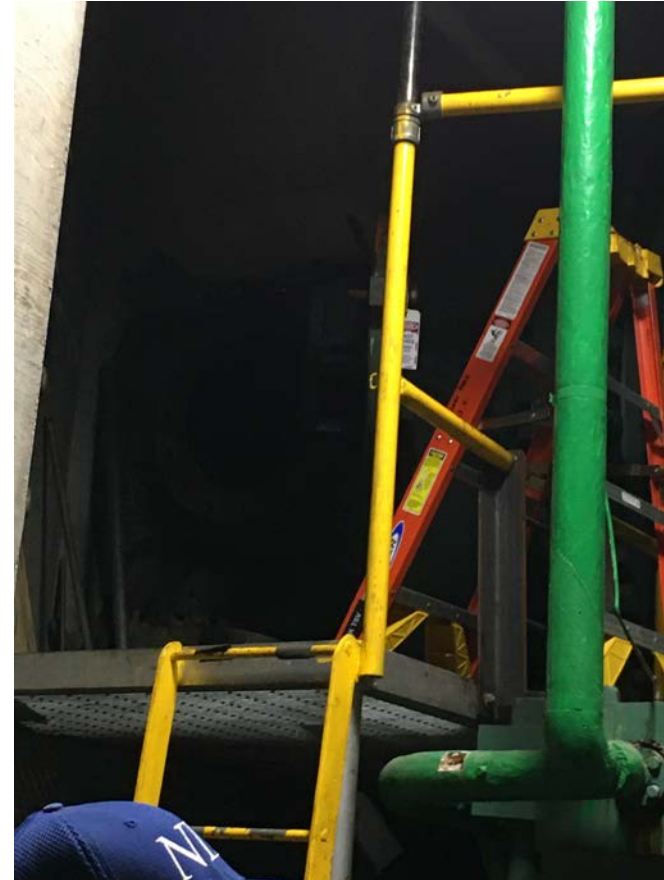
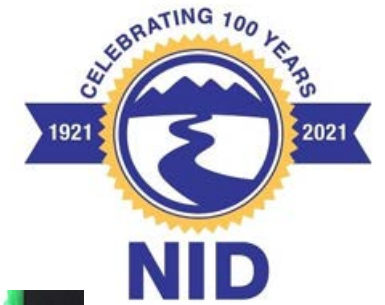
- COVID-19 workplace safety considerations are still being executed at NID. Training classes were revised to ensure social distancing guidelines were met; disinfectant still available to all. Weekly restroom checks for the Covid policy regarding the restrooms be stocked with supplies for employees.
- Working with Glatfelter Insurance Claims
- Continue working on District claims
- Reviewing the Confined Space Permits 2021
- Target Solutions: tracking all trainings, certifications, tailgate meetings, etc.
- Meeting with AIG Insurance regarding a contractor for risk consulting for revising our safety procedures and policies.
- Meeting: Greg Jones regarding safety activities
- Meeting: Fred Waymire, treated water superintendent and Phil Goguen, electrical systems supervisor regarding the EPA/AWWA updates...again
- Review trench safety logs from the maintenance dept.



Safety

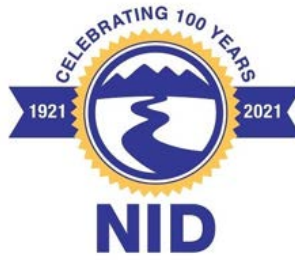
Pictures

Chicago Park Powerhouse-Permitted Confined Space Entry



Safety

Pictures



Ridge Road-Transmission Main Improvement

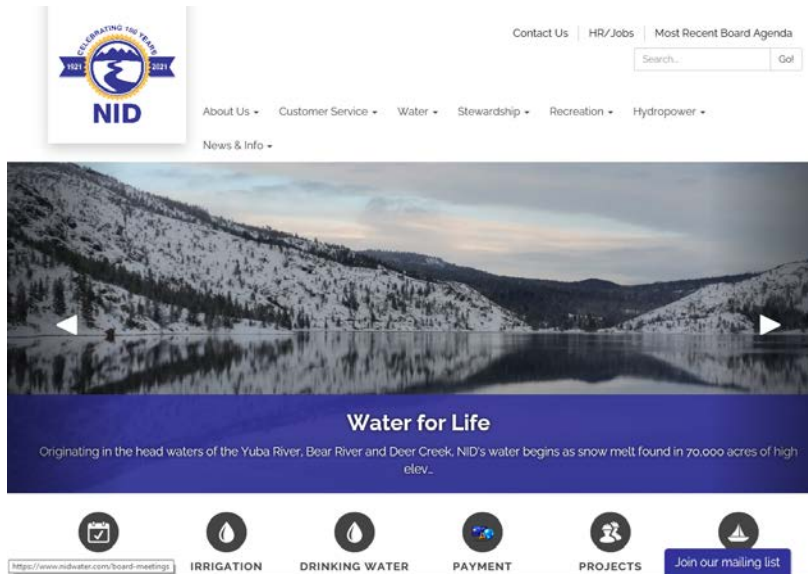


Communications

Website

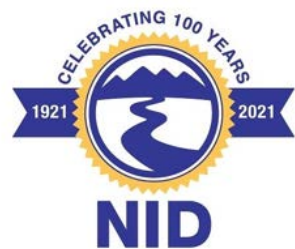
Stats for past 28 days

Visits: 27,117



Top 10 pages for the past month

Page
1. / main page
2. /current-job-openings
3. /welcome-to-human-resources
4. /river-reservoir-data
5. /rollins-lake
6. /scotts-flat-lake-campground
7. /board-meetings
8. /contact-us
9. /customer-service-and-billing-questions
10. /news-releases



Communications

Social Media

YouTube


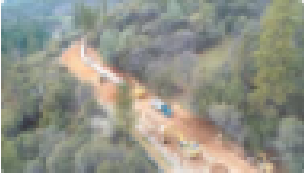
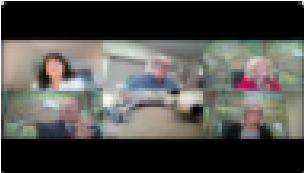
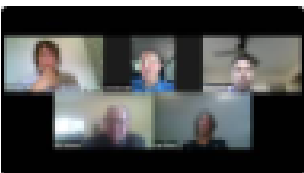
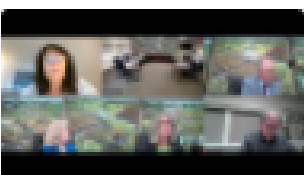
- 335 views
- 56 subscribers
- 26.1 viewing hours

Facebook

- 658 followers (48 new)
- 2,491 people reached
- 591 page likes

* stats for past 28 days

Top 5 videos on YouTube

1		What is a Miner's Inch of Water? Mar 6, 2012	92
2		Combie I Feb 2021 Feb 22, 2021	40
3		April 28, 2021 - Board Meeting Apr 30, 2021	25
4		April 16, 2021 - NID Special Board Meeting Apr 16, 2021	17
5		April 14, 2021 - NID Board of Director's Meeting Apr 15, 2021	14

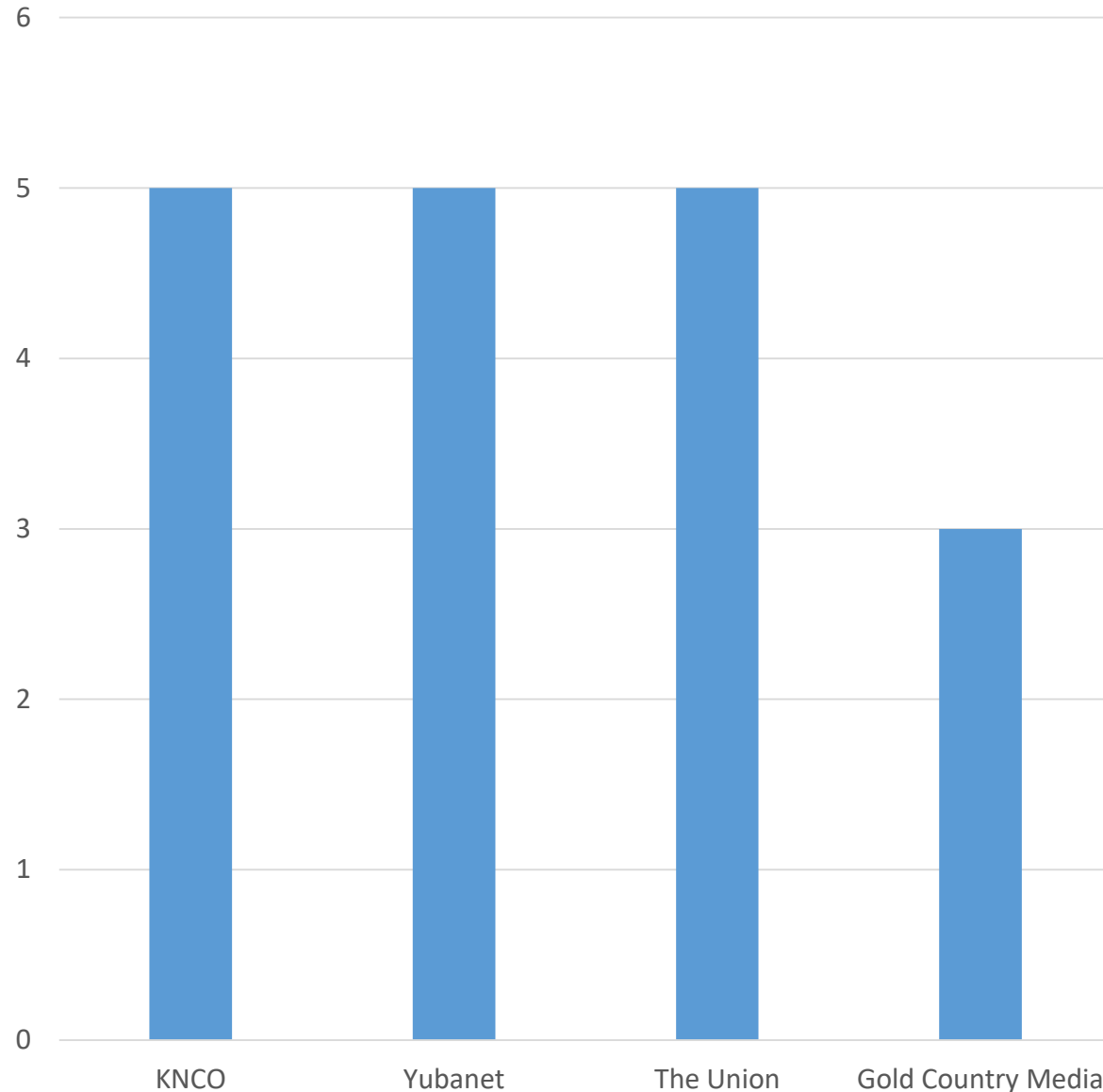
Communications

News Releases

Past 30 days
News Releases = 8

Coverage:

- Yubanet
- KNCO
- The Union
- Gold Country Media



Communications

Engage












Email direct communications

Total subscribers: **5,572 (67 new)**

April 1 – April 30

Topics:

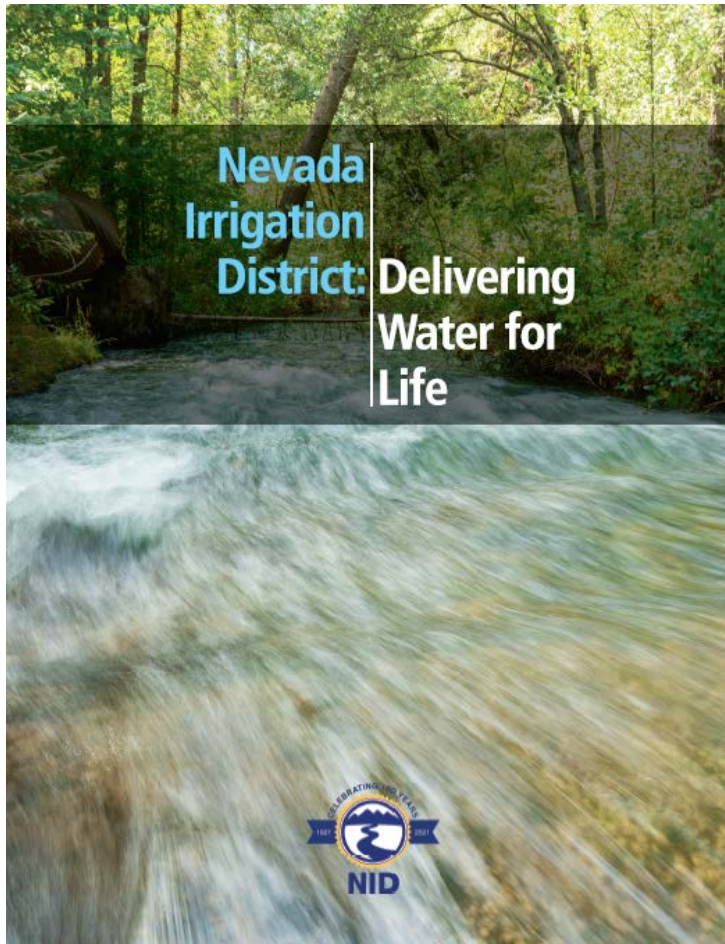
- Board Meetings
- Lower Scotts Flat Trail Project
- New GM, Jennifer Hanson
- WaterWays – Spring edition

Proposed Scotts Flat Lower Connector Trail Project - Public Review & Comment Period Opens		NID Board of Directors Only	4/15/2021 3:13 PM	7	42.9%	71.4%	View Details
Board Meeting - Special - April 16, 2021		All Meeting Notices - Board and Committee	4/15/2021 7:28 AM	274	32.6%	26.7%	View Details
NID snow survey: snowpack and water content below average		News and Alerts	4/12/2021 1:12 PM	4,306	50.0%	1.4%	View Details
Board Meeting - Special - April 9, 2021		All Meeting Notices - Board and Committee	4/8/2021 11:21 AM	268	29.5%	25.4%	View Details
Board Meeting - April 14, 2021		All Meeting Notices - Board and Committee	4/7/2021 4:21 PM	267	31.8%	21.7%	View Details
NID completes vital Combie Phase 1 Canal and Bear River Siphon Project		NID Board of Directors Only	4/7/2021 10:41 AM	7	42.9%	100.0%	View Details
NID to conduct testing of Rollins powerhouse – expect increased flows and water levels on Wednesday		Tomi	4/5/2021 1:30 PM	1	100.0%	100.0%	View Details
NID to conduct testing of Rollins powerhouse – expect increased flows and water levels		Tomi	4/5/2021 1:18 PM	1	100.0%	100.0%	View Details
Water Rates Committee Meeting - April 7, 2021		All Meeting Notices - Board and Committee	4/2/2021 3:59 PM	264	30.8%	18.3%	View Details
Board Meeting - Special - April 2, 2021		All Meeting Notices - Board and Committee	4/1/2021 2:45 PM	264	30.4%	30.4%	View Details
Board Meeting - Special - March 26, 2021		All Meeting Notices - Board and Committee	3/25/2021 8:17 AM	262	33.2%	29.0%	View Details

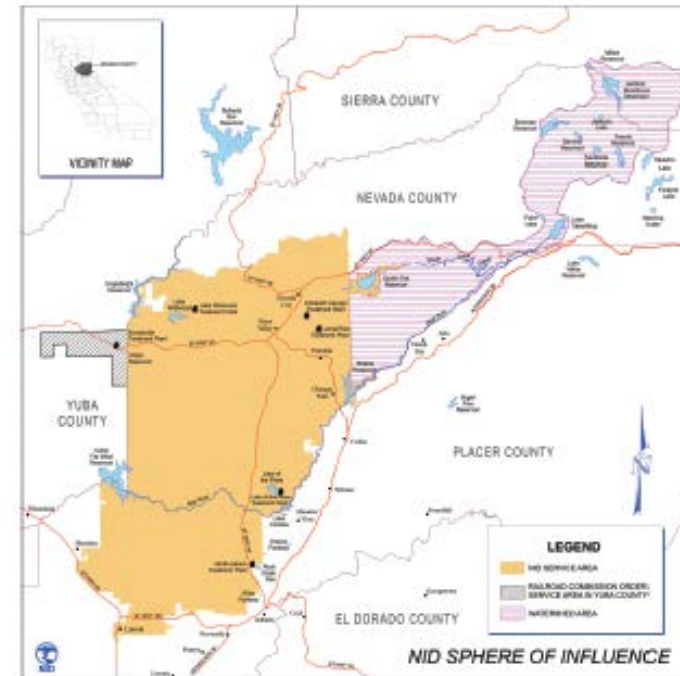
Communications

History Book

Status: final proof before printing



Board of Directors



Chris Bierwagen
President



Laura Peters
Vice President



Rikki Heck
Director

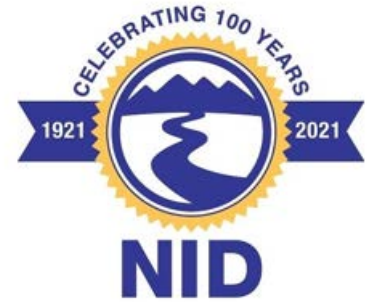


Karen Hull
Director



Rich Johansen
Director

Engineering Department



Project Highlights

Engineering Project Status Report

Hydroelectric Project Status Report

Alta Sierra Tank Site



First wall of tank being poured

**ENGINEERING DEPARTMENT PROJECT STATUS
AS OF MAY 18, 2021**

Priority	Project Manager	DIV	Facility	FATR	Description	Status	Comments	Start Year
01 - EXTENDED CEQA [\$30,000] 10151- 52913								
01	DOUGLAS RODERICK	DIV 2	Banner Cascade Pipeline	6593-2	Banner Cascade & Upper Grass Valley Canals - Longterm Canopy Cover & Pond Studies - Year 8 of 10 year Monitoring Plan	Post Construction	Studies to be completed Fall 2021 by Stantec Environmental	2021
02 - PIPELINE REPLACEMENT (\$2,050,000) 10151-52907								
01	TONIA TABUCCHI HERRERA	DIV 5	Rough & Ready Round-a-bout waterline improvements	2497	Nevada county proposed to realign Rough and Ready Hwy, Ridge Road and Adams Ave. NID affected facilities included treated water line along Rough and Ready HWY and Adams Ave ; and Rough and Ready Canal crossing/near Ridge Road. (Div. 5)	Planning	The County is agreeable to relocating the culvert crossing for the RR canal. Details of ROW management and District participation in discussion internally. The County does not feel the treated waterline is impacted by their project and will not relocate it as a result.	2020
02	TONIA TABUCCHI HERRERA	DIV 5	Christian Life Way at Highway 49	6962	Replace approximately 1500 LF of pipeline with 8" pipeline. Existing pipeline is undersized; has reached its useful life, is difficult to access, existing ROW is inadequate, requires new route for accessibility	Design	Investigating an alternative route to improve maintenance access, and potential to add additional service connections.	2021
03	TONIA TABUCCHI HERRERA	DIV 4	Meadow Brook Pipeline Relocation	2324	Service lines are located in backyards and trees have broken the mainline several times. Project includes relocation of service lines and abandonment of 4" main.	Planning	Survey has been requested.	2021
04	ADRIAN SCHNEIDER	DIV 2	North Day Road Pipeline Replacement	2182	Replacement of badly deteriorated A.C. pipeline on North Day Road. Approximately 3,780 feet long.	Design	Design at 90%. Easement needs are being evaluated for new pipe location	2021
05	ADRIAN SCHNEIDER	DIV 3	Willaura Acres	2323	Replace deteriorated water mains and services.	Design	Preliminary plans completed, being reviewed internally. Construction budgeted for next year	2021-2022
06	DOUGLAS HOBBS	DIV 2	Osborne Hill Inlet Pipe	6966	Osborne Hill Inlet Pipe 1,720' of 18" pipe	Planning	Preparing Scoping Report	2022-2023
07	TONIA TABUCCHI HERRERA	DIV 4	Live Oak Way	2534	Replace old and undersized valves and service lines.	Planning	2021 Budgeted Project.	2021-2022
03 - PRV REPLACEMENT (\$480,000) 10151-52908								
01	DOUGLAS HOBBS	DIV 1	Berggren Lane PRV Replacement	2370	Replace PRV with 1300 LF of 8" pipe connecting Red Dog Rd. with Jasper Agate Court	Construction	Design and easement acquisition complete. Project will be constructed by Maintenance beginning July 2, 2021	2020
02	TONIA TABUCCHI HERRERA	DIV 2	Cedar Ridge PRV Replacement	2366	Existing PRV station is badly deteriorated with valves in a vault . Replacement station will be above ground. Additional ROW is required	Design	Design 90%. Property owner to be contacted regarding existing easement; easement adjustment is required.	2019
03	TONIA TABUCCHI HERRERA	DIV 1	East Ridge PRV Replacement	2318	Existing PRV station is badly deteriorated with valves in a vault . Replacement station will be above ground. Additional ROW is required.	Design	Design 10%.	2023
04	DOUGLAS HOBBS	DIV 2	Silver Way PRV Replacement	1010	Replace existing PRV station at corner of Silver Way and Hwy 174 with an above ground PRV station upstream on Hwy 174	Design	Design at 10%. Property owner to be contacted regarding adding above ground structure to existing pipe easement.	2021

**ENGINEERING DEPARTMENT PROJECT STATUS
AS OF MAY 18, 2021**

Priority	Project Manager	DIV	Facility	FATR	Description	Status	Comments	Start Year
05 - RAW WATER SYSTEM IMPROVEMENTS (\$1,250,000) 10151-52910								
01	DOUGLAS HOBBS	DIV 4	Santini Siphon	1098	Replacement of undersized Siphon with 1500 LF of 18" pipe.	Construction	Design complete. Easements have been acquired. Project will be constructed by Maintenance in 2021.	2021
02	DOUGLAS RODERICK	DIV 1	South Yuba Canal Repair Upgrades Ph 1	2419	Repair/Replace segments of So. Yuba Canal	Planning	Additional field work conducted May 4, 2021. Draft report for internal review is anticipated in June, 2021.	2021
03	ADRIAN SCHNEIDER	DIV 1	Maben Canal - IV	8099-4	Rehabilitate and enlarge canal.	Pre-Construction	Draft design plans completed; easements being reviewed by ROW. Construction to begin in 2022.	2021-2022
04	DOUGLAS HOBBS	DIV 4	Hayt Canal Siphon Replacement	2580	Evaluate alternatives for a spill at siphon #6 and shortening the end of the canal.	Planning	Evaluating alternatives for a spill at siphon #6, and shortening the end of the canal.	2021
05	TONIA TABUCCHI HERRERA	DIV 5	Pet Hill Extension Repairs	2373	Repair and upgrade pipeline and gate for capacity	Planning	2021 Budgeted Project.	2021
06	TONIA TABUCCHI HERRERA	DIV 5	China Drop Pipe Replacement	2329	Replacement of badly deteriorated pipeline to improve water delivery and reliability.	Planning	Survey Requested	2021-2022
07	DOUGLAS HOBBS	DIV 1	Clipper Creek Techite	2535	Replace 8600' of 24" Techite pipe.	Planning	2021 Budgeted Project.	2021-2022
08	ADRIAN SCHNEIDER	DIV 2	China Union Parshall Flume	2570	Design and install a pre-manufactured, 24" Parshall Flume on the China Union Canal	Design	Design being reviewed. Installation in 2021 pending Operations and Maintenance schedules and budget.	2021
06 - BACKBONE EXTENSION 10151-52911								
01	TONIA TABUCCHI HERRERA	DIV 5	E. George to LWW Pipeline	2255	Extend a pipeline from the E. George Treatment Plant to Lake Wildwood to increase the water supply capacity, reliability, and create redundancy. Project to be completed in phases as funds become available.	Construction	Phase 5b - Ridge Road waterline replacement in construction by Maintenance. The Slate Creek PRV relocation and replacement is in planning stage. Tie-in of pipe anticipated by mid May, 2021.	2020
07 - NON-PROGRAMMATIC [2,200,000] 10151-52915								
01	DOUGLAS RODERICK	DIV 3	Combie I Replacement	6746	Combie Phase 1 Pipeline Bypass, 8900 LF of 96" pipe	Closeout	Pipeline complete and placed into service. Final grading and clean-up anticipated in June. Met with Table Meadow Road Association to discuss impacts and repairs to private roads due to construction traffic. Anticipate bringing contract for road repairs to the Board by July 2021	2021
02	DOUGLAS HOBBS	DIV 2	Alta Sierra Tank Replacement	6971	Replace existing Alta Sierra Hypalon-covered reservoir with 3MG storage tank	Construction	Electrical design has started. Floor slab has been poured. Easement for 8" pop-off valve at golf course is in process.	2020
03	TONIA TABUCCHI HERRERA	DIV 4	Hemphill Diversion	7032	Hemphill Diversion Project to facilitate Fish Passage.	CEQA Process	DEIR released for public comment April 1, 2021 through May 17, 2021.	2020
04	DOUGLAS HOBBS	DIV 5	LWW Clarifier Tank A	2526	Rehabilitate Clarifier Tank A. Work will precede other Lake Wildwood Treatment Plant Upgrades (FATR 2568).	Planning	Maintenance Project, requires extensive rehabilitation in addition to painting.	2021
05	DOUGLAS HOBBS	DIV 5	LWW Treatment Plant Expansion	2568	Lake Wildwood Treatment Plant Upgrades - Drying beds, backwash pumps and canal intake screen.	Planning	2021 budgeted project. Working on Clarifier Tank A rehabilitation (FATR 2526)	2021
06	ADRIAN SCHNEIDER	DIV 3	North Auburn Treatment Plant	2376	Upgrade of high lift pumps and addition of emergency generator at North Auburn Water Treatment Plant	Design	Waiting for PG&E response to request for adding larger natural gas service from main in street. Design at 90%. Generator install expected in Summer 2021	2020
07	ADRIAN SCHNEIDER	DIV 2	Pine Woods Pump Station	2488	Design, purchase and install a permanent stand-by generator at Pine Woods Pump Station	Planning	Draft Study under internal review.	2020
08	TONIA TABUCCHI HERRERA	All	SGIP Battery Installation	2520	Battery installation at various District facilities. Part of the California Public Utilities Self-Generation Incentive Program	Design	Board authorized staff to proceed with ESA for three sites - E. George WTP; Loma Rica WTP, and Norlene Pump Station. Design is underway.	2021

**ENGINEERING DEPARTMENT PROJECT STATUS
AS OF MAY 18, 2021**

Priority	Project Manager	DIV	Facility	FATR	Description	Status	Comments	Start Year
07 - NON-PROGRAMMATIC [2,200,000] 10151-52915								
09	DOUGLAS HOBBS	DIV 2	Loma Rica WTP Clear Well Expansion	2375	Expansion of clearwell to add volume for higher plant flows.	Planning	2021 budgeted project.	2021
10	DOUGLAS HOBBS	DIV 2	Loma Rica WTP Modify CT	2378	Modification of Loma Rica Treatment Plant for additional chlorine contact times	Planning	2021 budgeted project.	2021
11	ADRIAN SCHNEIDER	DIV 3	David Way Pump Station Rehab	2322	Replace the existing David Way Pump Station. Facility is badly deteriorated.	Design	Waiting for proposals/quotes from two companies. EFI has provided draft conceptual plans.	2021
12	DOUGLAS RODERICK	DIV 2 & 3	Centennial Water Supply Project	7013	Centennial Water Supply Project	Planning	Next quarterly update to the Board will be at the June 23, 2021 meeting. No consulting work or AB52 consultations have taken place.	2021
08 - COMMUNITY INVESTMENT 10151-52912								
01	ADRIAN SCHNEIDER	DIV 2	Loma Rica Drive - DFWLE	2181	Assist, Design and Construction of a pipeline for existing neighborhoods approved by the Engineering Committee January 16, 218	Planning	Received funding agreements from property owners. Requesting easements from property owners on Lee Lane portion of project. Coordinating with HOA for fiber optic installation.	2022
02	ADRIAN SCHNEIDER	DIV 2	Maranatha Place DFWLE	2409	Assist, Design and Construction of a pipeline for existing neighborhoods. Approved by Engineering Committee Aug 20, 2019.	Planning	Waiting for available funding to move project forward.	2023
13 - ENGINEERING O&M 10151-52603								
01	DOUGLAS RODERICK	N/A	Urban and Agricultural Water Management Plan	1034	Development and approval of Urban and Agricultural Management Plans as regulatory required	Planning	AWMP approved and resolution adopted by Board on April 14, 2021. Staff reviewing portions of UWMP. Anticipate release of the UWMP for public review in the first week of June 2021. Board workshops anticipated in late June 2021.	2021
02	GREG JONES	N/A	District Wide Plan for Water	1041	Plan for Water / EIR	Planning	Waiting until AWMP & UWMP's are completed. Anticipate public outreach in Fall 2021.	2021
13-1 - ADMIN CAPITAL 10114-52915								
01	GREG JONES ADRIAN SCHNEIDER		Scotts Flat Lower Connector Trail	2294	Planning, design, and construction of Scotts Flat Lower Connector Trail	Planning	Public review of Initial Study/Mitigated Negative Declaration ended May 14, 2021. Project to be re-evaluated and discussed with Board.	2021
17 - SEDIMENT REMOVAL PROJECTS 10151-52914								
01	ADRIAN SCHNEIDER	ALL	District-wide Reservoir Study	2500	District-wide reservoir study of the current condition of all District reservoirs, that includes bathymetry to better understand the diminished capacity due to sedimentation. Will assist in determining costs, prioritization, and alternatives.	Planning	Draft report being reviewed internally.	2020
02	ADRIAN SCHNEIDER	DIV 2	Loma Rica Reservoir	2090	Placement of 5,600 cubic yards of stockpiled sediment at airport property	Post Construction	Termination of SWPPP granted by RWQCB on May 10, 2021. Closure of project pending closure of County Grading permit.	2019
03	GREG JONES	DIV 3	Combie Sediment Removal Project	2135	Removal of sediment at the east side of Combie Reservoir	Post Construction	Coordinating Put Option with Teichert for sediment ownership transfer	2019
04	ADRIAN SCHNEIDER	DIV 2	Greenhorn Sediment Removal	8515	Removal accumulated sediment from the Greenhorn Creek arm of Rollins Reservoir	Hold	Pending final Reservoir Sediment Removal Study (cost/benefit analysis) to determine validity of removing sediment from this portion of Rollins Reservoir.	TBD

**ENGINEERING DEPARTMENT PROJECT STATUS
AS OF MAY 18, 2021**

Priority	Project Manager	DIV	Facility	FATR	Description	Status	Comments	Start Year
17 - SEDIMENT REMOVAL PROJECTS 10151-52914								
05	ADRIAN SCHNEIDER	DIV 3	Orr Creek Reservoir Cleaning	6963	Removal accumulated sediment from the Greenhorn Creek arm	Hold	Pending final Reservoir Sediment Removal Study (cost/benefit analysis) to determine validity of removing sediment from this portion of Rollins Reservoir.	TBD
06	ADRIAN SCHNEIDER	DIV 2	Dutch Flat Afterbay Sediment Removal	2213	Remove accumulated sediment from the afterbay to reduce outlet pipe clogging for operation	Hold	Pending final Reservoir Sediment Removal Study (cost/benefit analysis) to determine validity of removing sediment from this portion of Rollins Reservoir.	TBD
07	ADRIAN SCHNEIDER	DIV 2	Steephollow Sediment Removal	6877	Removal of sediment at Steep Hollow and protection of hydro facilities	Hold	Pending final Reservoir Sediment Removal Study (cost/benefit analysis) to determine validity of removing sediment from this portion of Rollins Reservoir.	TBD
00 - MISC PROJECTS								
01	ADRIAN SCHNEIDER	DIV 4	Valley View Access Road	2222	Relocate access road that currently crosses a private driveway	Pre-Construction	Maintenance constructing new access route. Waiting on final permits.	2021

**HYDROELECTRIC DEPARTMENT PROJECT STATUS
AS OF MAY 18, 2021**

<u>Prty</u>	<u>Proj Mgr</u>		<u>Facility Name</u>	<u>WO#</u>	<u>Description</u>	<u>Status</u>	<u>Comments</u>
10-1 - HYDRO NON-PROGRAMMATIC (\$250,000) 50112-52915							
01	KEANE SOMMERS	2020	Hydro Field Office	2432	Design and construction of the new Hydroelectric Field Office	Hold	The Energy Center program components are under development. The new maintenance facility and storage yard draft predesign by the architect is complete. The three energy/carbon concept studies are complete; forest carbon sequestration, pumped storage, and solar field. A draft Energy Management Strategy Summary has been received and is under review. Once all efforts are completed, findings will be summarized to present options and alternatives for developing the site into various levels of renewable energy generation and carbon zero footprint.
10-2 - HYDRO POWERHOUSE IMPROV (\$1,925,000) 50112-52920							
01	NATHAN DROIVOLD	2020	Dutch Flat #2 Powerhouse Balance of Plant.	2348	Install an expandable balance of plant to monitor critical plant systems such as excess vibration of the turbine and generator, temperature, and flow.	Closeout	The new balance of plant PLC was installed during the September/October outage period. Testing of the new vibration monitoring system was completed at that time. Testing for the new automatic forebay level controls was completed in April. Hydro has received final submittals for the project. Project is ready for close out and will be removed from future project status reports
02	NATHAN DROIVOLD	2020	Deer Creek Powerhouse	2290	Deer Creek Powerhouse Upgrades - Cost of upgrades necessary to sell power upon close of sale	Design	Hydro is finalizing plans for a new gaging station on the South Yuba Canal that will measure flow supplying Deer Creek PH. Discussions with PG&E are ongoing. These plans will be sent to PG&E for approval prior to installation.
03	ADRIAN SCHNEIDER	2019	Chicago Park Fire Suppression System (DIV 2)	2164	Upgrade of existing CO2 system (piping, alarms, sensors) to protect Generator. Includes installation of new Clean Agent suppression system for control room and the addition of a fire detection system for electrical cable trays.	Construction	Construction and testing are nearly completed. The live CO2 discharge test in late April was successful. Contractor will return to site to install CO2 sensors and finish construction in May. New safety procedures will be developed by NID prior to putting the new fire suppression system into service.
04	NATHAN DROIVOLD	2021	SFPH Fire Detection Upgrades	2552	Install new smoke detection systems in the Scotts Flat Powerhouse that includes alarming and callout features to notify staff in case of fire while unoccupied.	Design	In early May, Hydro made a site visit with its consultant to scope the design of a new fire detection system for the PH. Design and install are scheduled to be completed by the end 2021.
05	NATHAN DROIVOLD	2021	CNPH Fire Detection Upgrades	2553	Install new smoke detection systems in the Combie North Powerhouse that includes alarming and callout features to notify staff in case of fire while unoccupied.	Design	In early May, Hydro made a site visit with its consultant to scope the design of a new fire detection system for the PH. Design and install are scheduled to be completed by the end 2021.
06	NATHAN DROIVOLD	2021	CSPH Fire Detection Upgrades	2554	Install new smoke detection systems in the Combie South Powerhouse that includes alarming and callout features to notify staff in case of fire while unoccupied.	Design	In early May, Hydro made a site visit with its consultant to scope the design of a new fire detection system for the PH. Design and install are scheduled to be completed by the end 2021.
07	ADRIAN SCHNEIDER	2019	Combie Reservoir	6943	Combie South Access Road. Develop approx. 3,000 ft. from south abutment.	Design	ROW will send offer package for required easements and property acquisitions by the end of May. Construction is planned for Summer/Fall 2021.
08	THEODORE BLANK	2019	Combie South Electrical Upgrades	2168	Combie South Electrical Upgrades	Design	The new 12kV transformer has been delivered to Hydro. Hydro and Engineering are working on the containment pad and foundation design for the new transformer. Installation is scheduled for 2021.
09	NATHAN DROIVOLD	2020	Rollins Powerhouse	2351	Replace the existing oil circuit breaker (OCB) at the Rollins Powerhouse with a more environmentally acceptable vacuum circuit breaker.	Design	Hydro has opened a project with PG&E's engineering team and is working with PG&E to provide requested project documentation. Breaker is in manufacturing until August. Installation is planned for Q3 2021. Existing breaker pad was extended in early May to accommodate the larger footprint of the new breaker.
10	NATHAN DROIVOLD	2021	Chicago Park Powerhouse Governor Replacement	2402	Replace governor, install instrumentation that will enable operators to monitor flow, temperature, and pressure of vital powerhouse components.	Construction	Final design complete. Procurement of project materials is nearly complete. Construction is underway. Hydro will install the new cooling water system during the 2021 annual outage for Chicago Park Powerhouse.
11	NATHAN DROIVOLD	2021	Chicago Park PH Transformer Replacement	2362	Procure and install a new main transformer at the Chicago Park Powerhouse.	Planning	Hydro is working with an engineering consultant to perform a condition assessment of the existing equipment in the Chicago Park PH to make recommendations for future repair or replacement. A site visit was made in late April to complete an inclusive facility inspection. The project scope will be developed after reviewing this report in 2021.

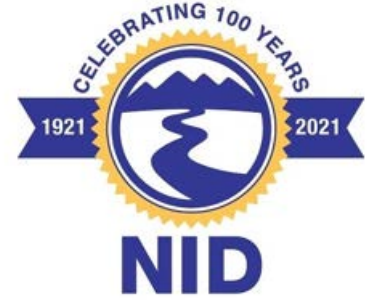
**HYDROELECTRIC DEPARTMENT PROJECT STATUS
AS OF MAY 18, 2021**

<u>Prty</u>	<u>Proj_Mgr</u>		<u>Facility Name</u>	<u>WO#</u>	<u>Description</u>	<u>Status</u>	<u>Comments</u>
10-2 - HYDRO POWERHOUSE IMPROV (\$1,925,000) 50112-52920							
12	NATHAN DROIVOLD	2021	Chicago Park PH Turbine Overhaul	2353	Replace worn turbine and appurtenances.	Planning	Hydro is working with an engineering consultant to perform a condition assessment of the existing equipment in the Chicago Park PH to make recommendations for future repair or replacement. A site visit was made in late April to complete an inclusive facility inspection. The project scope will be developed after reviewing this report in 2021.
13	NATHAN DROIVOLD	2020	Rollins Powerhouse Balance of Plant	2393	Install an expandable balance of plant to monitor critical plant systems such as excess vibration of the turbine and generator, temperature, and flow.	Design	Hydro is reviewing a 90% design package in May. The design will be completed in Q2 2021, and installation is scheduled for Q3 2021 during the annual outage.
14	NATHAN DROIVOLD	2021	Rollins PH Governor Replacement	2392	Replace worn governor and appurtenances.	Hold	Hydro to begin project scoping later in 2021. Installation is scheduled for 2022.
15	NATHAN DROIVOLD	2020	Rollins Powerhouse Relay Protection Upgrade	2394	Replace aging relay protection system to improve protection of the powerhouse relay, transformer, and generator.	Planning	Hydro provided comments on draft project specifications developed by the engineering consultant. These will be updated and returned to Hydro in May for additional review. Once finalized, a bid package will be developed for the project by NID staff. The final bid package will be released in Q2 of 2021.
16	NATHAN DROIVOLD	2021	Dutch Flat #2 PH Cooling Water System Upgrades	2544	Install new instrumentation that will enable operators to monitor flow, temperature, and pressure of vital powerhouse components	Hold	Hydro will solicit proposals to complete the design of a new cooling water system in 2021. Installation is planned for 2022.
17	NATHAN DROIVOLD	2020	Dutch Flat #2 Powerhouse Fire Suppression System	2240	Designing, installing and commissioning a new CO2 fire suppression system for the Dutch Flat #2 Powerhouse.	Hold	Hydro has received a draft basis of design report from its consultant for a new fire suppression system at the Dutch Flat #2 Powerhouse. Hydro has reviewed and provided comments for revisions to the document. A final draft of the basis of design report is expected during Q1 2021.
18	NATHAN DROIVOLD	2020	Bowman Intertie	2354	Replace the existing Bowman Inter-tie SF6 breaker with a more environmentally friendly vacuum circuit breaker	Hold	Hydro will replace the existing SF6 breaker with a vacuum circuit breaker after completion of the oil circuit breaker replacement at Rollins PH (FATR# 2351).
19	NATHAN DROIVOLD	2021	Rollins PH Fire Protection System	2379	Provide fire protection system for Rollins Powerhouse (design, installation and commissioning).	Hold	Hydro to begin project scoping in 2021. Installation is scheduled for 2022.
20	NATHAN DROIVOLD	2021	Deer Creek PH Controls and Automation	2342	Install programmable logic controller and automate the Deer Creek Powerhouse.	Hold	Hydro to begin project scoping in 2021 with construction scheduled to start in 2022. Project schedule assumes NID will takeover PG&E facilities in 2021.
21	NATHAN DROIVOLD	2021	Deer Creek PH Exciter Replacement	2395	Replace exciter & appurtenances.	Hold	Hydro to begin project scoping in 2021 with construction scheduled to start in 2022. Project schedule assumes NID will takeover PG&E facilities in 2021.
22	NATHAN DROIVOLD	2021	Deer Creek PH Generator Breaker Replacement	2343	Replace the existing generator breaker with a generator breaker and cabinet to mitigate an arc flash safety hazard at the Deer Creek Powerhouse and improve reliability.	Hold	Hydro to begin project scoping in 2021 with construction scheduled to start in 2022. Project schedule assumes NID will takeover PG&E facilities in 2021.
10-3 - HYDRO DAM & WATER IMPROV (\$2,660,000) 50112-52921							
01	MIN CHEN	2020	Scotts Flat Spillway Repair	2094	Scotts Flat Spillway Repair & Upgrades	Design	Model construction is nearly complete. FERC and DSOD approved the start of trial testing of the model which is currently underway. The final alternatives report including the preferred solution is expected later in 2021.
02	ADRIAN SCHNEIDER	2020	Gaging Station	2007/ 2360	Replace the damaged sections of the concrete lining on the upstream dam face to minimize leakage, modify the spillway training walls to prevent over topping, and construct a weir on the dam outlet to measure flow.	Construction	Request for Quotes for construction was distributed on May 7, 2021. Quotes are due June 11, 2021. Received proposals from three environmental consulting firms for field monitoring and reporting. Construction is anticipated to start by August 2021.
03	MIN CHEN	2019	Combie / Van Giessen Dam	20140 2	Dam stabilization, abutments protection against scouring, and water supply upgrade.	Hold	The final alternatives report has been received and a preferred solution has been selected. Construction is planned for 2025-2026.
10-4 - HYDRO LOWER DIV (\$100,000) 50112-52922							
01	NATHAN DROIVOLD	2020	Chicago Park Forebay Canal Liner Replacement	2511	Repair segments of the Chicago Park Canal where existing shotcrete liner needs replacement.	Hold	Hydro received a report from Engineering reviewing the findings of the September site visit and damage assessment with Hydro. Hydro and Engineering will hold scoping discussions and start the development of a design report with an alternatives analysis in Q1 2021.
02	NATHAN DROIVOLD	2021	Chicago Park Powerhouse Tailrace Repair	2551	Evaluate and address erosion concerns of the tailrace foundation.	Hold	Hydro received a report from Engineering reviewing the findings of the September site visit and damage assessment with Hydro. Hydro will hold scoping discussions and start the development of a design report with an alternatives analysis in Q1 2021.

**HYDROELECTRIC DEPARTMENT PROJECT STATUS
AS OF MAY 18, 2021**

<u>Prty</u>	<u>Proj Mgr</u>		<u>Facility Name</u>	<u>WO#</u>	<u>Description</u>	<u>Status</u>	<u>Comments</u>
10-4 - HYDRO LOWER DIV (\$100,000) 50112-52922							
03	NATHAN DROIVOLD	2021	Dutch Flat Canal Liner Replacement	2545	Repair segments of the Dutch Flat Canal where existing shotcrete liner needs replacement.	Hold	Hydro will solicit a condition assessment of the existing liner system in 2021 in order to plan for future repairs.
10-5 - HYDRO UPPER DIV (\$300,000) 50112-52923							
01	DOUGLAS RODERICK	2021	Rucker Creek Spillgate	2339	Replace existing radial gate at Rucker Creek Diversion with an overshot gate to improve personnel safety and operational performance.	Design	Hydro and Engineering made a site visit to discuss the project scope and proposed approach in December. Engineering is working with Hydro to develop specifications for the new gate and a preliminary construction plan ahead of contacting gate manufacturer's for quotes. Engineering will make a site visit during the June annual outage to collect measurements inside of the canal while dry.
02	PHILIP NEDVED	2021	Fall Creek Flume Upgrades	2404	Bowman-Spaulding Canal Improvements - Make structural enhancements to improve the reliability of the Fall Creek Flume.	Planning	Hydro staff have prepared a bill of materials for the project and will start the procurement process. Installation is planned to start in the summer of 2021 during the annual outage for the canal.
03	PHILIP NEDVED	2021	Fall Creek Diversion Improvements	2576	Fall Creek Diversion Improvements. Make structural enhancements to improve the reliability of the Fall Creek Diversion Flume	Planning	Hydro staff have prepared a bill of materials for the project and will start the procurement process. Installation is planned to start in the summer of 2021 during the annual outage for the
04	MIN CHEN	2020	Texas Creek Flume Repairs	2525	Repairs along the Bowman-Spaulding Canal below the Texas Creek Diversion.	Design	Work is being planned to repair the exposed weathered foundation bedrock and adjacent ground that has been subject to the erosive impact of the spilling water. The design package was submitted to FERC for approval. Construction is planned for Q3 2021.
05	NATHAN DROIVOLD	2020	Wilson Creek Diversion Rehab	2546	Repair and modify the Wilson Creek Diversion Dam structure to ensure diverted flows are measurable and accurate.	Planning	Hydro has requested Engineering assist to prepare a design for a temporary solution to improve flow measurement and diversion for the 2021-22 winter season. A more permanent solution will be developed for future implementation.
10-6 - HYRDO SCADA/COMMS (\$200,000) 50112-52924							
01	KEANE SOMMERS	2022	Hydro Office Radio Tower	2405	Construct a new hydroelectric field office radio tower to improve communication of critical infrastructure.	Planning	Hydro has contracted with a radio tower design firm to complete a feasibility study and preliminary design of the new radio tower to be located at the site of the future Hydro Office. LOS survey will be conducted May 10-14.

Water Operations Department



Activities Report

Treated Water Conservation

New Treated Water Accounts

New Raw Water Sales in Miners Inches

Raw Water Sales Changes Miners Inches

Scheduled Treated Water Outages

Emergency Treated Water Outages

Scheduled Raw Water Outages

Water Operations Department

Activities Report

Distribution

- Managing high canal flows due to dry conditions
 - Locking irrigation boxes
- 40 calls a day over 500 miles – running thin
- Requests for increased raw water continue
- PG&E emergency outage on Edgewood system complete
- Daily aquatic control program has begun

Water Treatment

- April treated water production = 249.82 M.G.
- Cleaned storage tanks (3)
 - 1 scheduled for paint
- Completed 11 annual state reports
- Developing Risk Resiliency Plan for EPA
- Consumer Confidence Report in progress
- Open Plant Operator position (employee went to another organization)

Water Resources

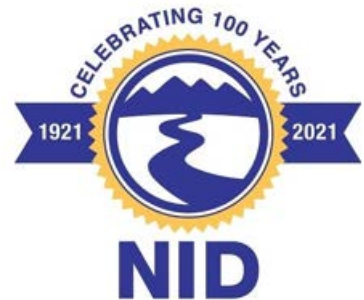
- Updated water supply forecast
- Setting up tail water gages
- Gathering Urban Water Management Plan Data
- Finalized pre 1914 rights
- Installed LWW measuring weirs

Customer Service

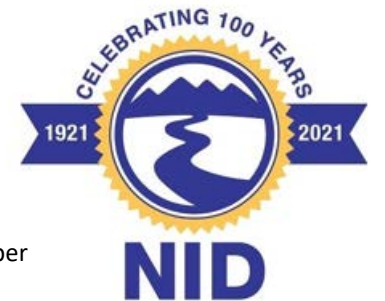
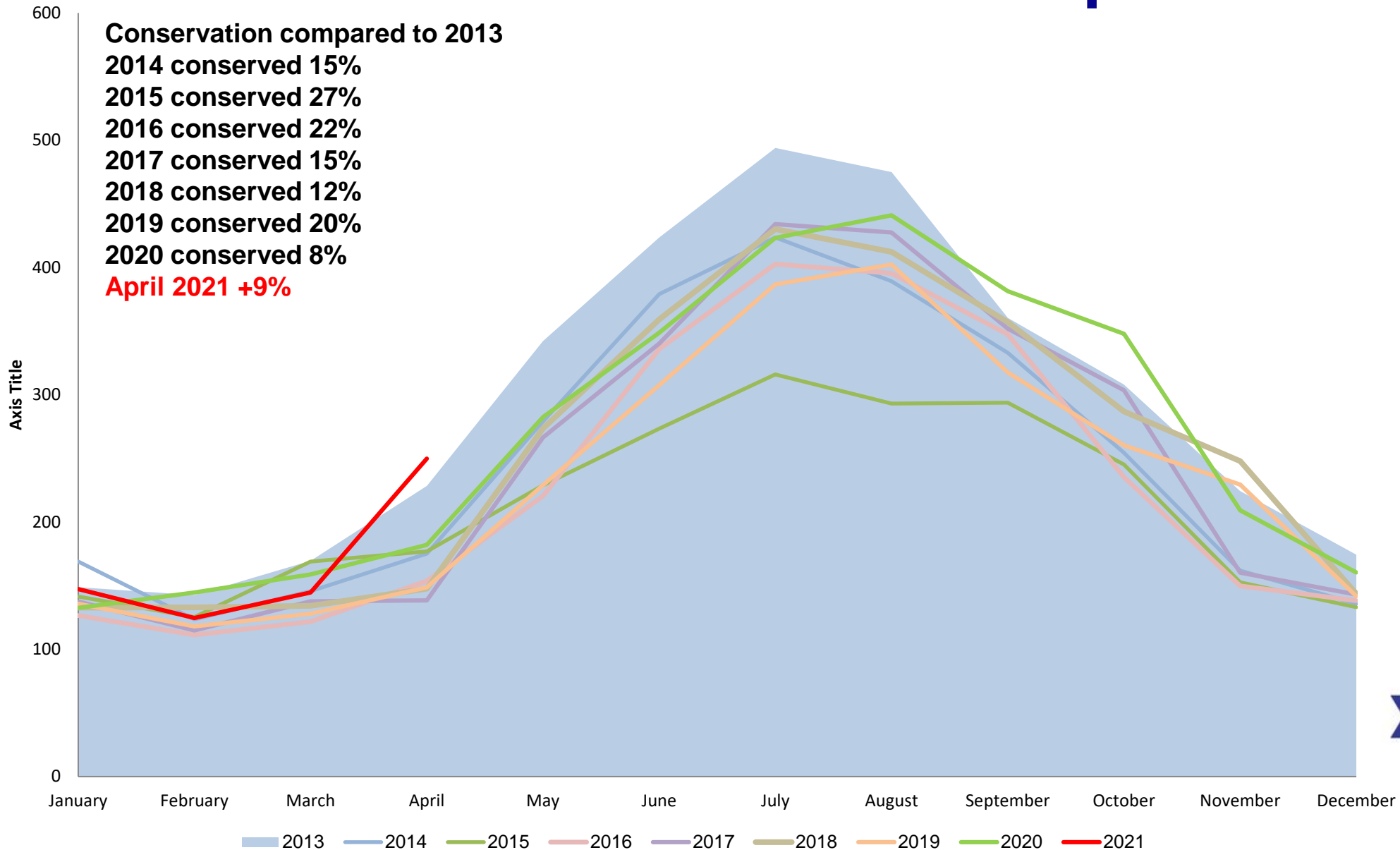
- Received 4,701 calls and 292 emails in April
- 3,384 online transactions in April totaling \$621K
- 55 customers utilized LIRA in April
- Updating fee schedules
- Customer Service Techs. replaced 148 meters & 163 endpoints

Electrical

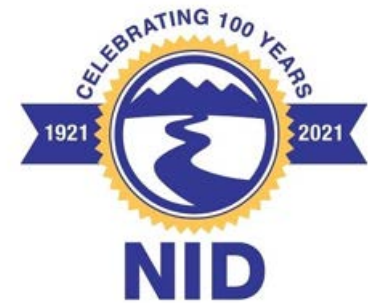
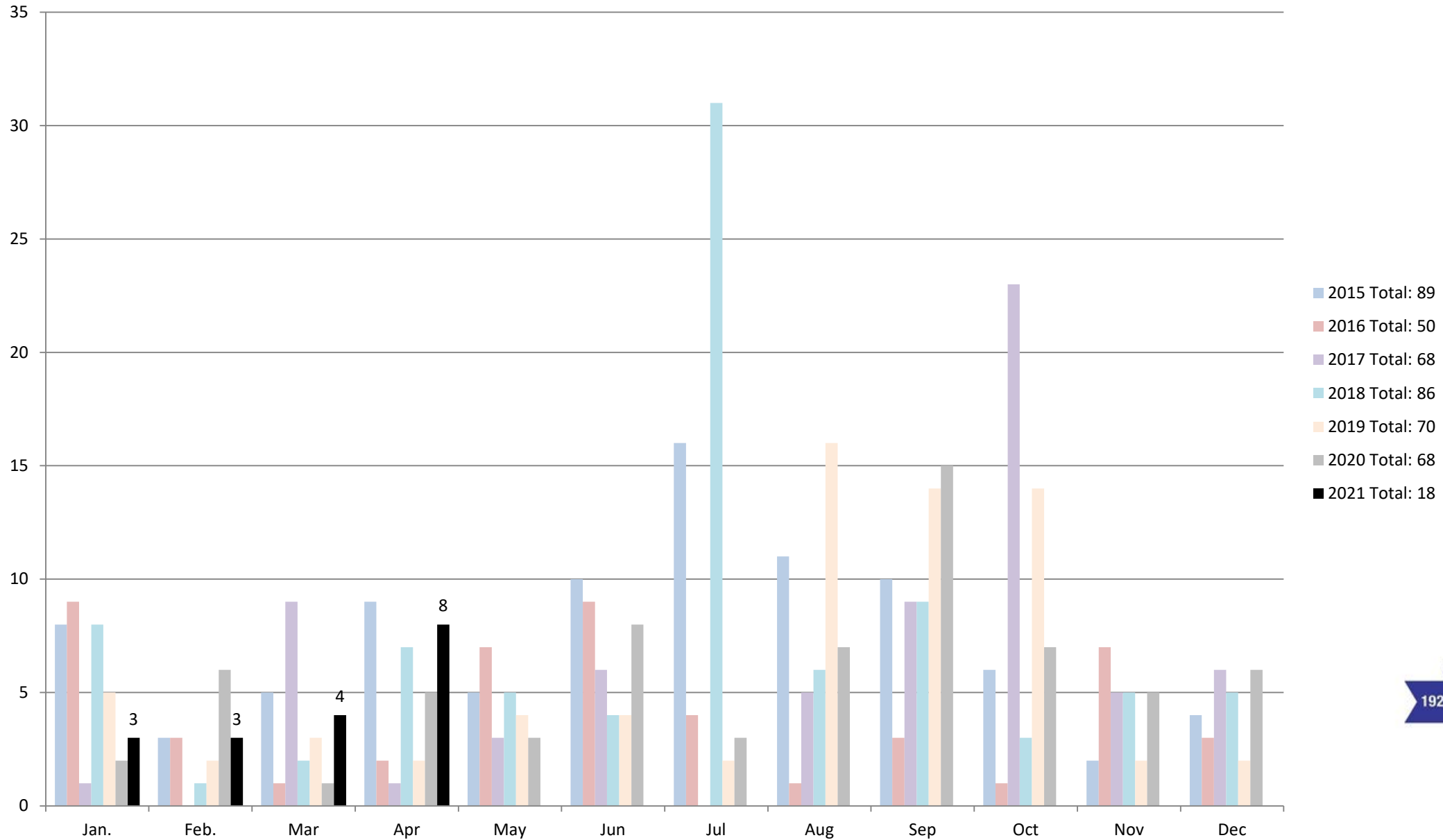
- LWW Clarifier A gear box maintenance
- Replaced breakers @ E. George floc bay
- Setting up electrical @ Bear Valley Yard
- Peninsula Camp Ground pump electrical



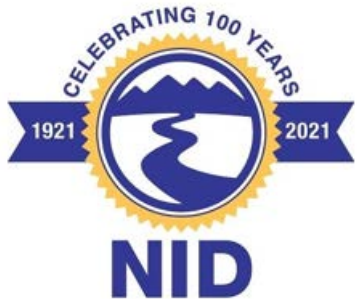
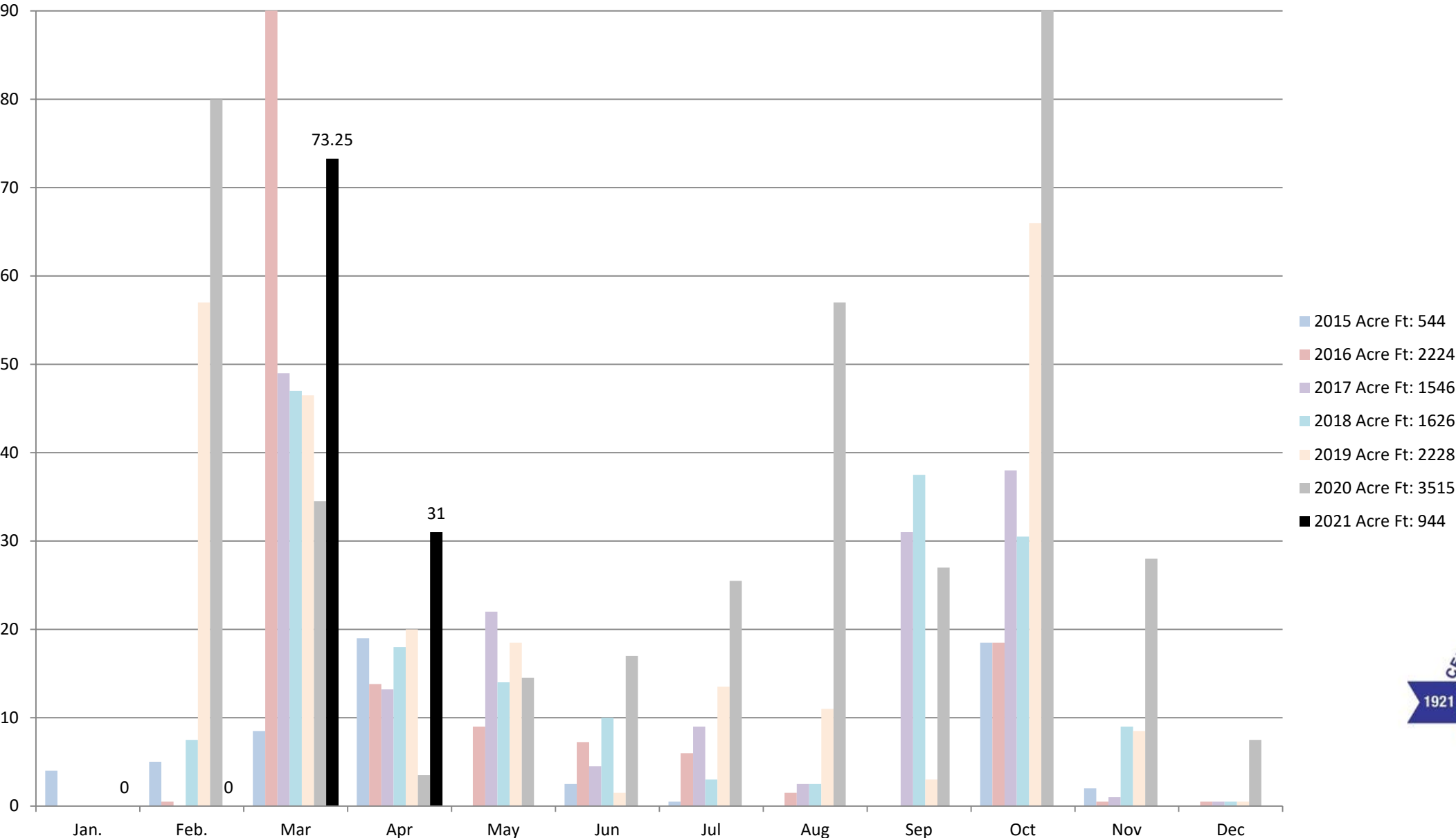
Treated Water Conservation Comparison



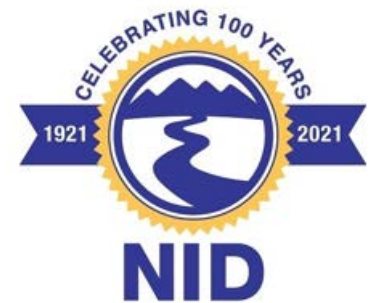
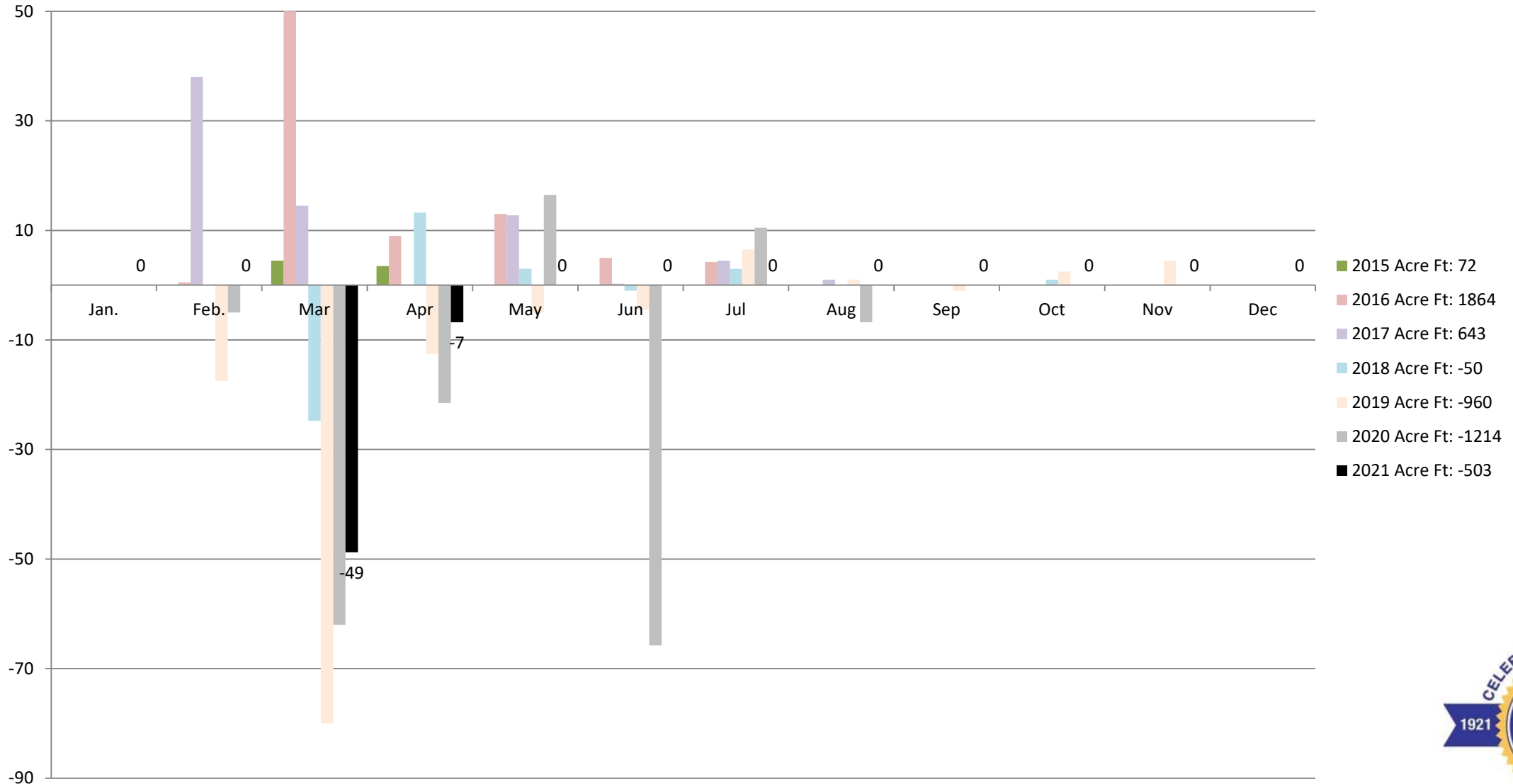
New Treated Water Accounts



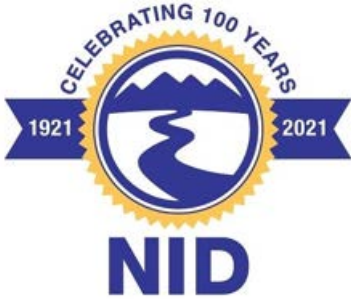
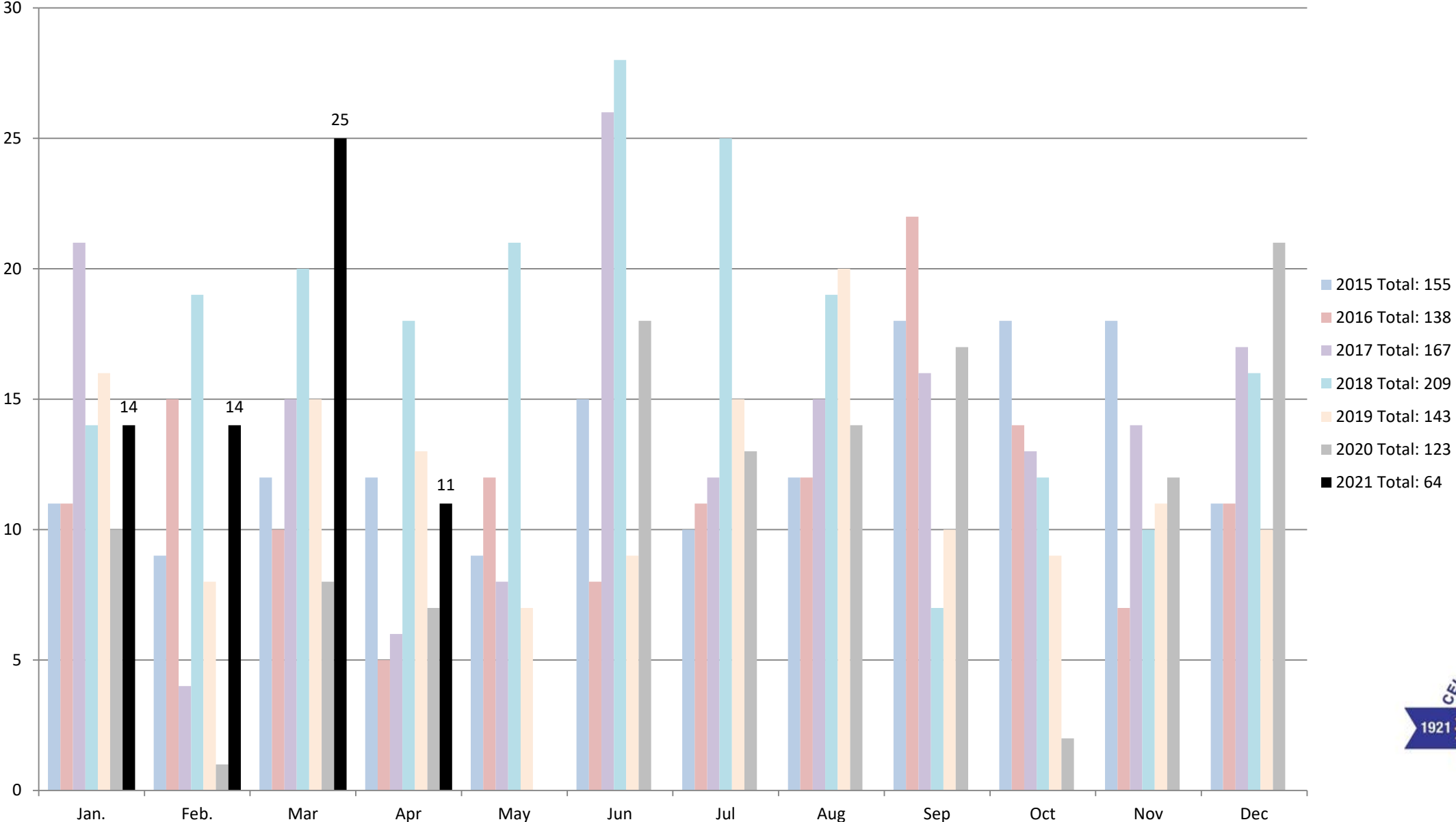
New Raw Water Sales in Miners Inches



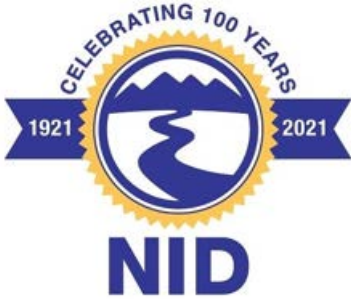
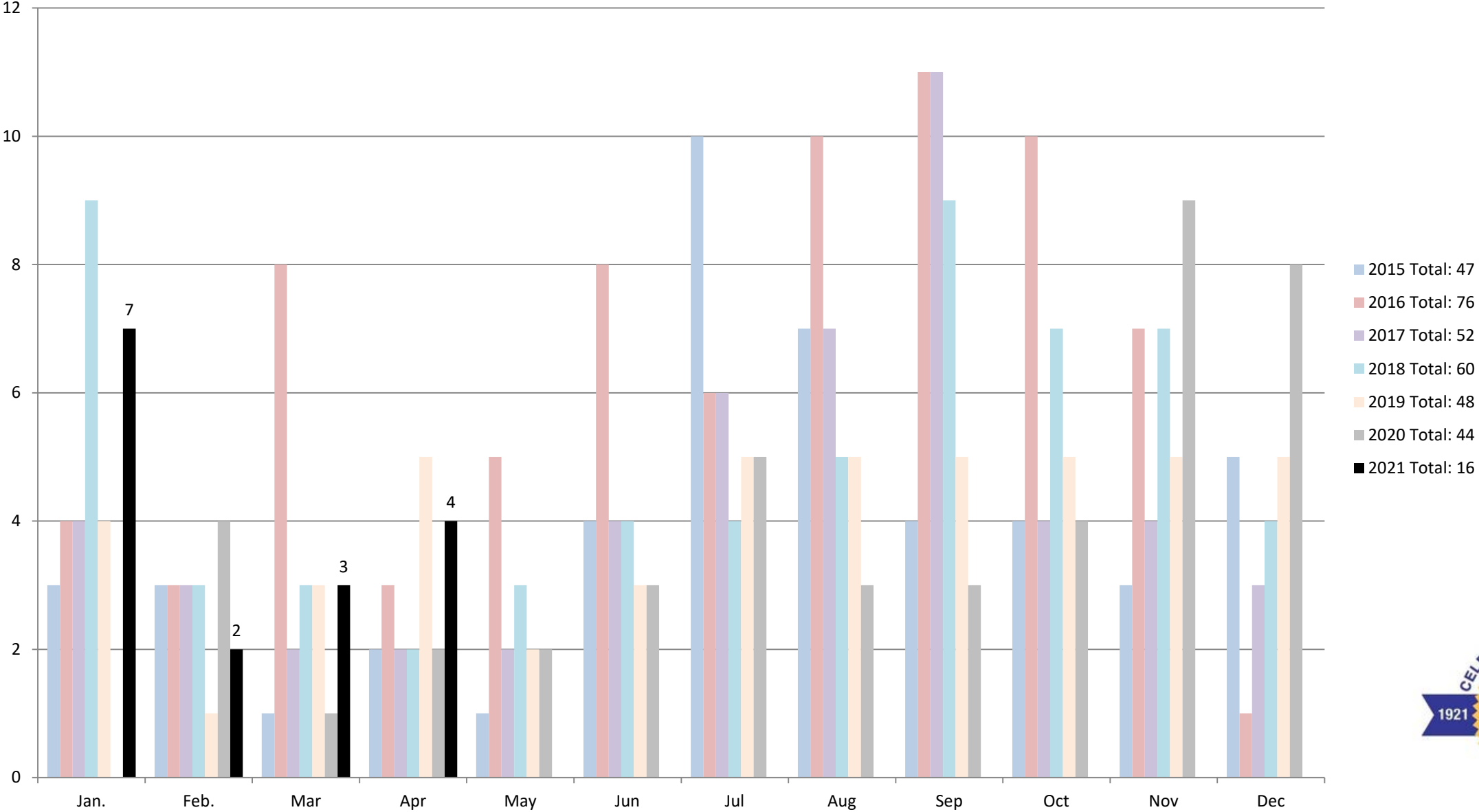
Raw Water Sales Changes Miners Inches



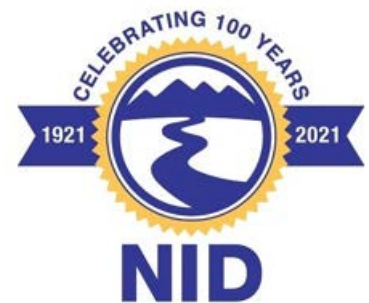
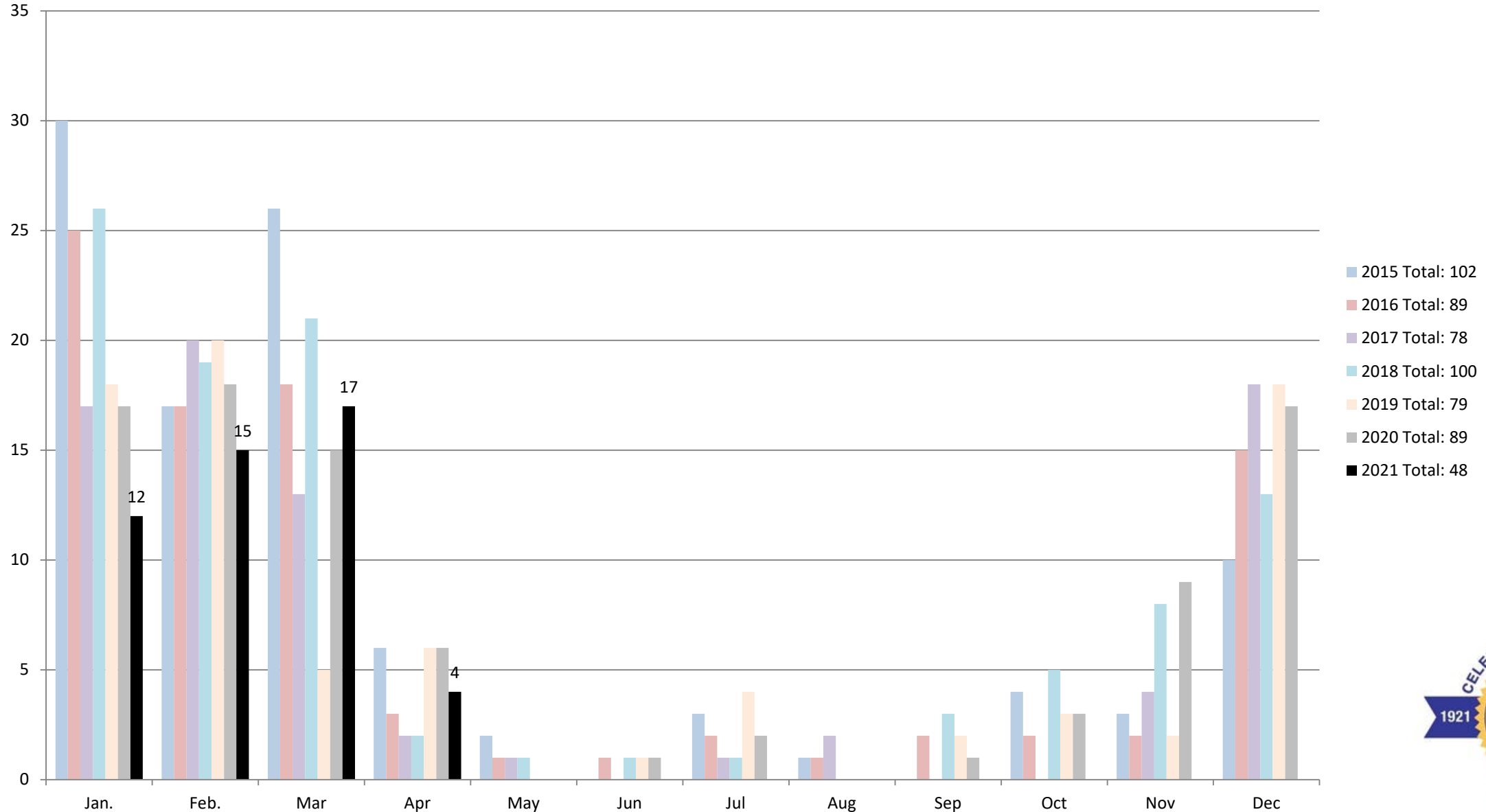
Scheduled Treated Water Outages



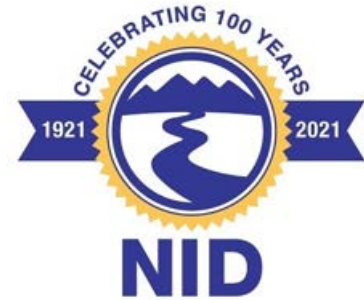
Emergency Treated Water Outages



Scheduled Raw Water Outages



Maintenance Department



Activities Report

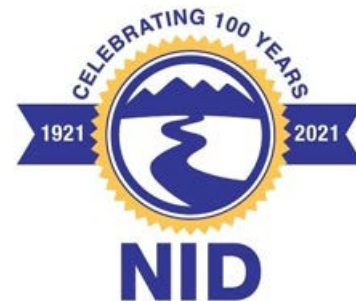
April 19, 2021 – May 16, 2021

Maintenance Department Activities Report

Treated Water

Summary of Select “Routine” Work

CATEGORY / TASK DESCRIPTION	TOTAL #
TREATED WATER	
“EMERGENCY <u>CALL OUTS</u> ” – HYDRANTS / SERVICE LINES / WATER MAINS	0
HYDRANTS – NEW / REPAIRED / REPLACED	4
METERS – NEW / REMOVED / REPAIRED / REPLACED	17
METER REPLACEMENT PROGRAM <i>(starts in April and runs to year-end)</i>	89
SAMPLE STATIONS – NEW / REPAIRED / REPLACED	0
SERVICE LINES – NEW / REPAIRED / REPLACED	5
VALVES / DEVICES – ARV, BOV, DCV, GATE , PRV, RP, ETC.	9
WATER MAINS – REPAIRED / REPLACED	2

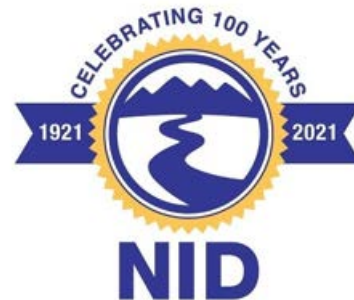


Maintenance Department Activities Report

Raw Water

Summary of Select “Routine” Work

CATEGORY / TASK DESCRIPTION	TOTAL #
RAW WATER	
CANALS / BERMS – LEAKS / REPAIRS	24
CANALS / BERMS – CLEANED <i>(20/21 official “cleaning season” now over until October)</i>	2
CANALS / CONTROL STRUCTURES – INSTALLED / REPAIRED / REPLACED	6
CULVERTS – NEW / REPLACED / REMOVED	0
RAW WATER BOXES – NEW / RELOCATED / REMOVED / REPLACED	11
TREES – REMOVED	1
ACCESS ROADS – MAINTAINED	1

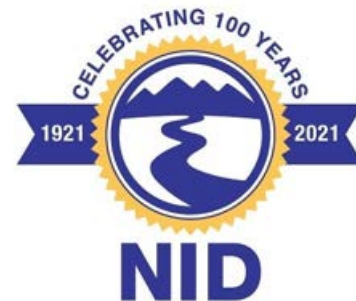


Maintenance Department Activities Report

Fleet

Summary of Select “Routine” Work

CATEGORY / TASK DESCRIPTION	TOTAL #
FLEET	
TRUCKS / VEHICLES – SERVICE / PREVENTATIVE MAINTENANCE	65
TRUCKS / VEHICLES – DAMAGE REPAIRS / LARGE SCALE REPAIRS	0
TRUCKS / VEHICLES – B.I.T. INSPECTIONS	7
TRUCKS / VEHICLES – RETROFITS	1
EQUIPMENT – SERVICE / PREVENTATIVE MAINTENANCE	21
EQUIPMENT – DAMAGE REPAIRS	0
EQUIPMENT – RETROFITS	0



Maintenance Department

Activities Report

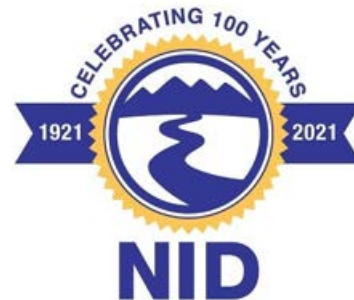
All Crews

Canal Maintenance

- Armored Church Siphon outlet structure
- Brushed canals: Combie Phase II and III (Barefoot Road), B (Church Siphon)
- Installed new canal check structures: Newtown, Grove, Cole Viet
- Removed raw water delivery boxes from various canals
- Repaired canal berms: Smith-Gordon
- Repaired leaks on various canals and check structures
- Screened dirt material at Alta Hill Reservoir site for ongoing berm repairs

Construction

- Phase 2 of Lidster Avenue and Cypress Hill Drive Unit 1 Waterline Replacement Project (FATR #2071) – JB Bostick Company completed final asphalt paving and striping (100% complete)
- Ridge Road Pipeline Replacement Project (FATR #2255-5a) – Filled, disinfected and prepared main line for pressure test and tie-in; hauled rock and materials (85% complete)



All Crews (cont'd)

Facilities Maintenance

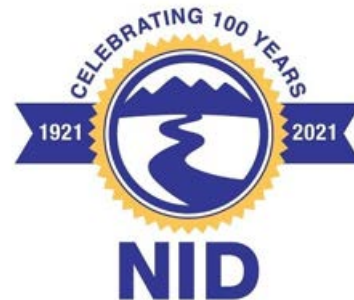
- Burglary/vandalism of decommissioned Snow Mountain Treatment Plant (FATR #2578) – Made emergency repairs on building and broken window; cleaned up site
- E. George System – Removed tree off Boreham Lane; performed general site maintenance at Banner Taylor Reservoir site
- E. George Treatment Plant – Painted chemical tanks; remodeled building exterior
- North Auburn Treatment Plant – Painted chemical tanks

Fleet Maintenance

- Performed generator maintenance for contractor repairs at Lake of the Pines; performed generator maintenance at other various sites
- Performed Basic Inspection of Terminals (BIT inspections) on required on-road vehicles
- Performed preventative maintenance on (serviced) equipment/vehicles
- Performed repairs on equipment/vehicles, including water trailer and windshields
- Prepared District pool vehicles for transfer to Recreation
- Set up and retrofitted new vehicles

Placer

- Brushed various canals: Combie Ophir II, IV and access road, Doty North (approx. 2.5 miles of canal)



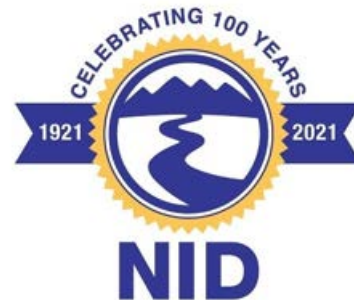
All Crews (cont'd)

Placer (cont'd)

- During PG&E outage to repair Fiddler Greens Flume, tapped into fire hydrants to feed Edgewood Canal, providing continued service to raw water customers
- Leveled canal berms: Doty North, Gold Hill II, Hemphill, Livingston, Lone Star, Willits (approx. 40 miles of berm)
- Repaired and/or narrowed various canals with hauled-in dirt and rock material: Auburn Ravine I, Doty North, Lincoln (approx. 2 miles of canal)
- Repaired leaks on various canals: Doty North, Dudley, Stringham
- Replaced raw water gate valves on various canals: Dudley, Gold Hill II
- Replaced treated water service lines in various systems: Lake of the Pines (3), North Auburn (2)
- Installed new treated water meters with fire services in Lake of the Pines System

Service

- Continued 2021 “Meter Replacement Program,” changing out 89 meters, both commercial and residential (FATR #2428)
- Continued repairs and new installations of meters, service lines, water mains, fire hydrants and valves
- Emergency – Repaired 18” main line (worked late) on Durbrow Road (E. George System)



All Crews (cont'd)

Service (cont'd)

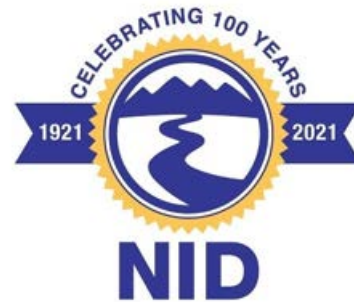
- Emergency – Repaired/banded service lines on Alta Vista Avenue (E. George System) and Brewer Road (Loma Rica System)
- Installed pressure tank at Scotts Flat Campground Gate 1 to improve water system
- Performed final “patch paving” over road areas that were excavated for needed infrastructure repairs/installations (E. George, Lake of the Pines, Lake Wildwood and Loma Rica Systems)

South Yuba Canal

- Worked with PG&E on South Yuba Canal outage (4/12 to 4/20) – Replaced girders, posts and bracing downstream of SR20; flew material out; cleaned up job site
- Bear Valley Property Development – Met with PG&E for power relocation at new NID yard; began installation of 200’ of 4” conduit from power pole to new Tesco panel and transfer switch located in new yard

Vegetation Control

- Began aquatic herbicide application season – Treated approx. 350 miles of canal, while working with Operations Department to keep water flowing through all canals
- Maintained approx. 70 miles of canal berm, using both herbicide application and manual (weed eater) methods
- Begun alternating herbicides, using Diquat Bromide (Tribune), greatly reducing use of glyphosate



All Crews (cont'd)

Welders

- Burglary/vandalism of old Snow Mountain Treatment Plant (FATR #2578) – Fabricated security bars for windows
- Continued equipment/vehicle repairs and retrofits for Mechanic Shop
- Continued various welding and fabrications for all NID departments – Fabricated raw water delivery boxes; made welding repairs on D.S. Canal and Cascade Canal headworks intake screens; fabricated orifice plates and repaired raw water delivery box lids for Operations Department
- Fabricated check structures for Canal Maintenance Crew for various canals; fabricated new lid for Edgewood Canal distribution manifold vault

Select Service Crew Photos



Emergency – Repaired 18' main line on Durbrow Road (E. George System).



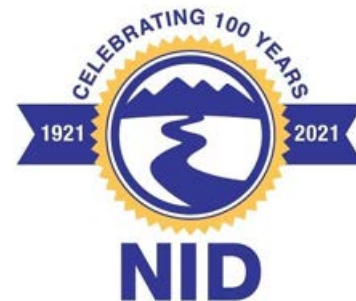
Emergency – Repaired 18' main line on Durbrow Road (E. George System).



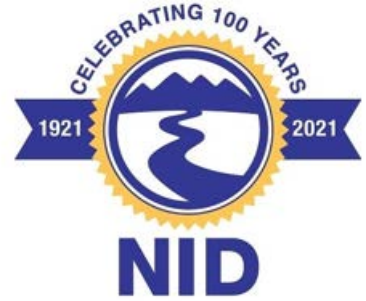
Final “patch paving” – One of the larger roadway patches in Lake Wildwood.



Emergency – Repaired/banded service line on Alta Vista Avenue (E. George System)



Recreation Department



Campground Activities Report:
Scotts Flat, Orchard Springs, Long Ravine,
Peninsula, Greenhorn, Combie, Jackson Meadows and
Bowman Corridor

Activities Report

- Staff has been working hard to get all the campgrounds ready for Memorial Day weekend.
- Recruitment for summer staff has been difficult, staffing levels are low at all campgrounds.
- Long Ravine has closed its boat launch at 10:30am the past three weekends due to being at capacity at the boat parking lot and overflow lot.
- Tree work will continue into June at Peninsula, Long Ravine, Scotts Flat and Jackson Meadows.
- Group campgrounds and campsites are still closed due to the current State and County COVID-19 guidelines. With the new information from the State looks like we should be able to open June 15, 2021.

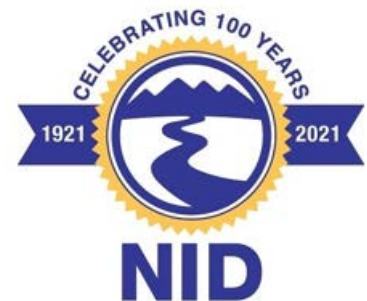
Scotts Flat Campground

Projects in Progress or Completed

- Replaced the stairs at the boat launch bathroom
- Had another successful “No Motor Day” on May 16

Future Projects

- Upgrade the play area



Low Lake Levels

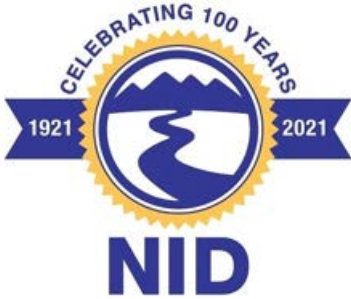
Scotts Flat Lake



Rollins Lake



Jackson Meadows – Woodcamp Boat Launch



Orchard Springs Campground

Projects in Progress or Completed

- Hazard tree work complete
- Boat slips are filling up

Future Projects

- Order picnic tables and umbrellas for the store picnic area
- Install a shade structure over the picnic and play area

Long Ravine Campground

Projects in Progress or Completed

- Mastication work complete
- Rollins Lake Boat Rentals opened on May 1
- Boat slips are sold out for 2021

Future Projects

- Add sand to the day use/swim area

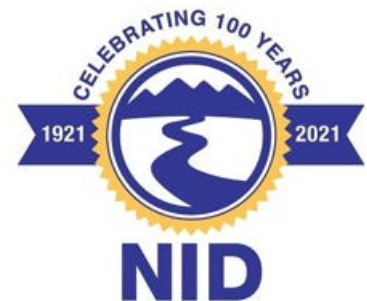
Peninsula Campground

Projects in Progress or Completed

- Open at half capacity due to lack of staff

Future Projects

- Creating a day-use/swim area



Combie Reservoir

Projects in Progress or Completed

- Yearly dock bills and quagga forms will be sent out the end of May

Future Projects

- Staff presence on the lake during summer months to help educate on lake/reservoir rules

Greenhorn Campground

Projects in Progress or Completed

- Sewer pump project complete

Future Projects

- Continued team approach to issues

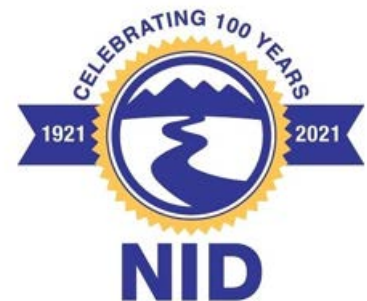
Jackson Meadows Campgrounds and Bowman Corridor Camping

Projects in Progress or Completed

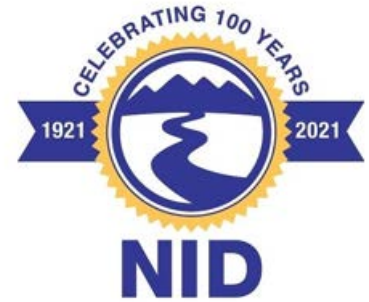
- Started campground cleanup May 18
- Pass Creek side of the lake to open May 27
- Woodcamp side of the lake to open June 11

Future Projects

- Pre-season hazard tree work
- Install gates at Aspen and Woodcamp day use areas



Hydroelectric Department



Reports: Generation, Availability & Outage
Inspections: Powerhouses, Dams & Linear Facilities

Generation Report

Powerhouse	Average Generation	Current Generation
Chicago Park	12,321	3,763
Dutch Flat #2	8,622	1,808
Rollins	6,708	2,278
Bowman	1,355	372
Combie North	155	79
Combie South	766	2
Scotts Flat	399	290
Total	30,327	8,592

Report Description:

This 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.

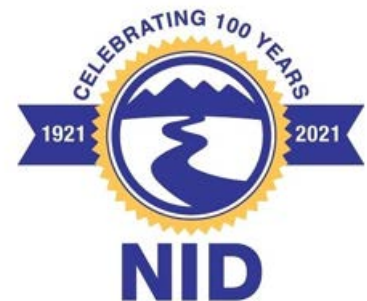
Context:

Powerhouses Combie North, Combie South, and Scotts Flat create revenue based on MWh produced. Powerhouses Chicago Park, Dutch Flat #2, Rollins and Bowman generation is provided for informational purposes.

Discussion:

Generation is well below historic averages due to the dry conditions experienced during the past winter.

Note: Data is preliminary and subject to verification



Availability Report

Powerhouse	Budgeted Availability	Actual Availability
Chicago Park	92.2%	100%
Dutch Flat #2	92.7%	100%
Rollins	92.0%	100%
Bowman	92.0%	100%

Report Description:

This report presents the total percentage of time a powerhouse is available to generate during the given month.

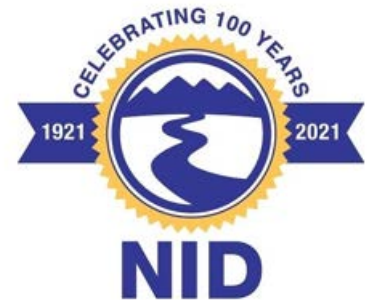
Context:

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.

Discussion:

All powerhouses were above their budgeted availability for the month. Details of outages are shown on the next slide.

Note: Data is preliminary and subject to verification



Outage Report

Powerhouse	Date	Time Out	Duration (HH:MM)	Cause
Bowman	4/6/2021	9:27	5:18	CAISO Testing
Chicago Park	4/5/2021	8:00	3:09	CAISO Testing
	4/21/2021	7:10	9:28	Testing/Fire System Install
Dutch Flat #2	4/22/2021	6:00	9:30	Testing/Fire System Install
	4/8/2021	8:00	6:47	CAISO Testing
Rollins	4/14/2021	6:45	6:43	Controller Tuning
	4/7/2021	8:00	6:37	CAISO Testing
Scotts Flat	4/27/2021	7:01	9:07	Battery Testing
	4/16/2021	8:00	5:55	PG&E Outage
			62:34	Total

Report Description:

This report presents a list of each time a powerhouse has an outage caused by something other than a lack of water and basic information about the outage.

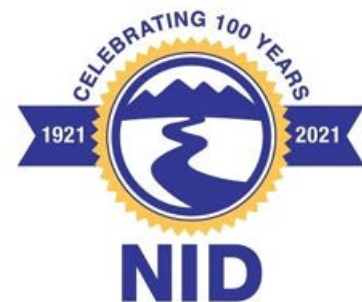
Context:

Minimizing the number of outages and their length is key to maximizing revenue from the powerhouses.

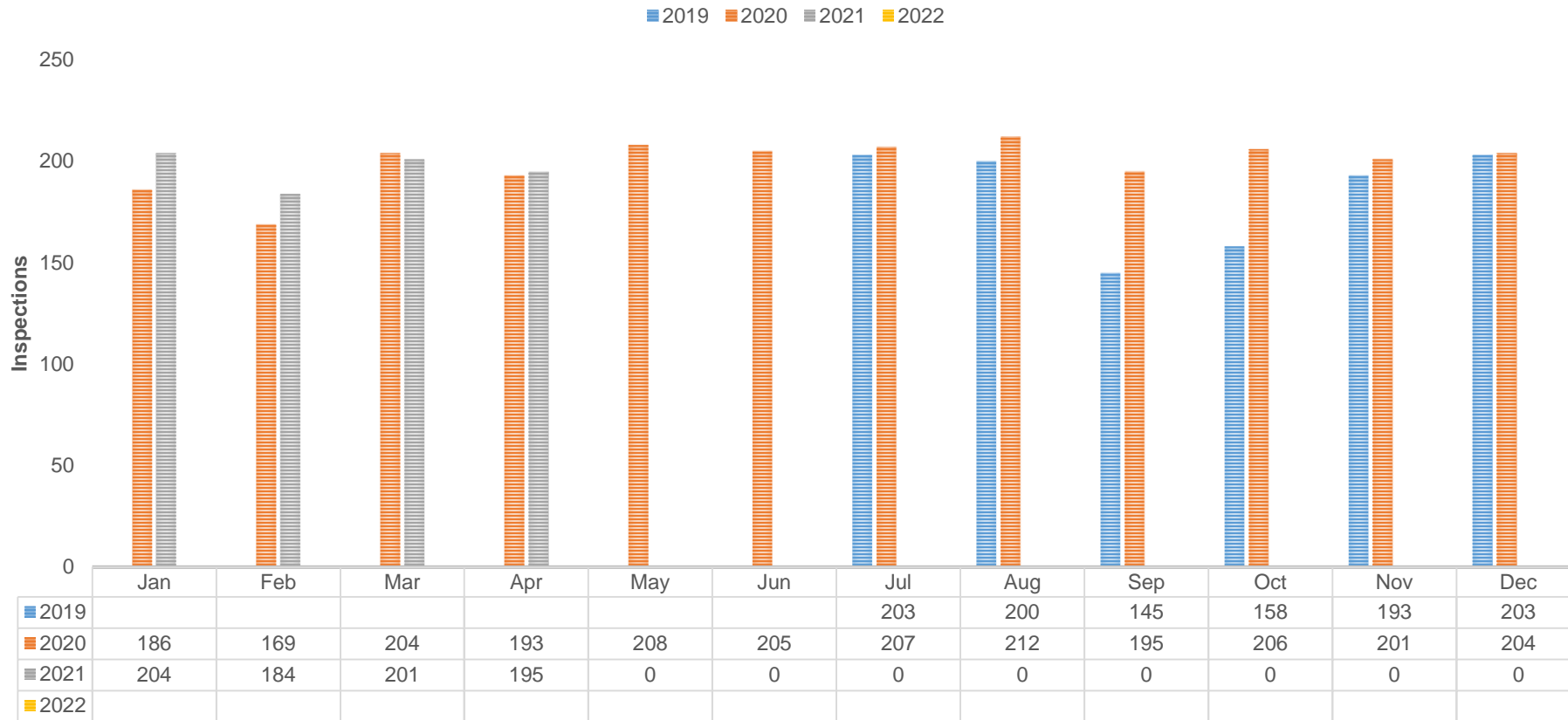
Discussion:

April is the last month planned outages can be taken at the Yuba-Bear powerhouses with penalty in the current Power Purchase Agreement. Every effort is made to ensure powerhouses are ready to generate with minimal disruption during summer months which generate higher revenue.

Note: Data is preliminary and subject to verification



DAILY POWERHOUSE INSPECTIONS



Report Description:

This report presents the total number of powerhouse inspections completed. The total number of inspections possible is presented below.

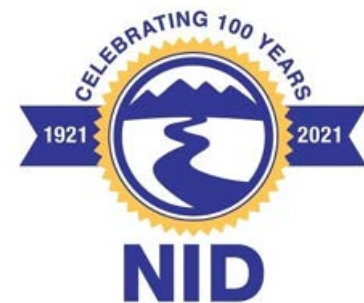
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Possible Inspections	217	196	217	210	217	210	217	217	210	217	210	217

Context

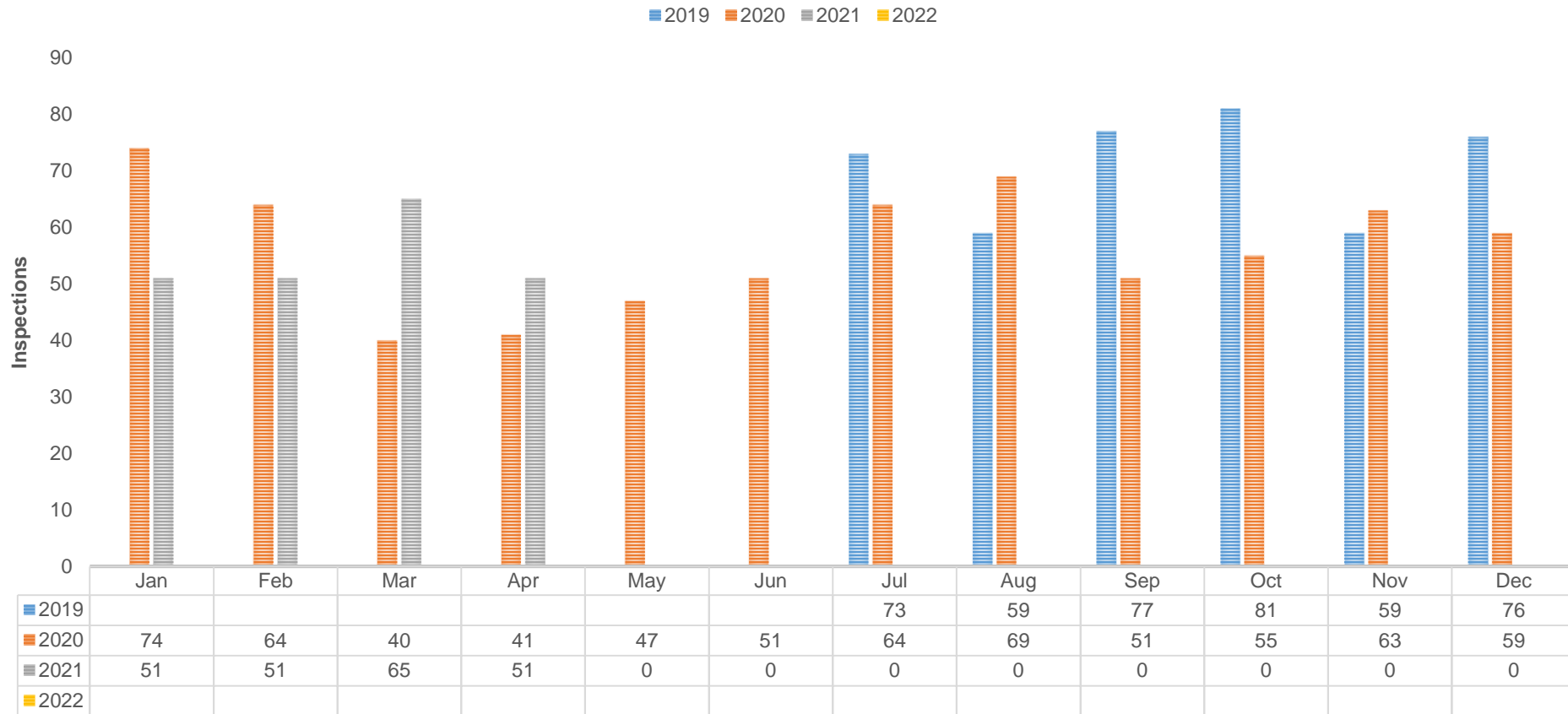
Routine inspection of powerhouses is key to identifying issues that may impact reliability of operations causing reduced generation or availability. The Department’s goal is to visit every powerhouse on a daily basis.

Discussion:

The number of powerhouse inspections is consistent with historic averages.



WEEKLY DAM INSPECTIONS



Report Description:

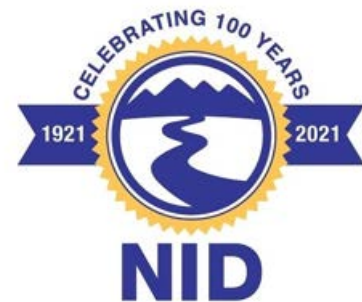
This report presents the total number of dam inspections completed during the prior month. The total number of possible inspections is 84.

Context

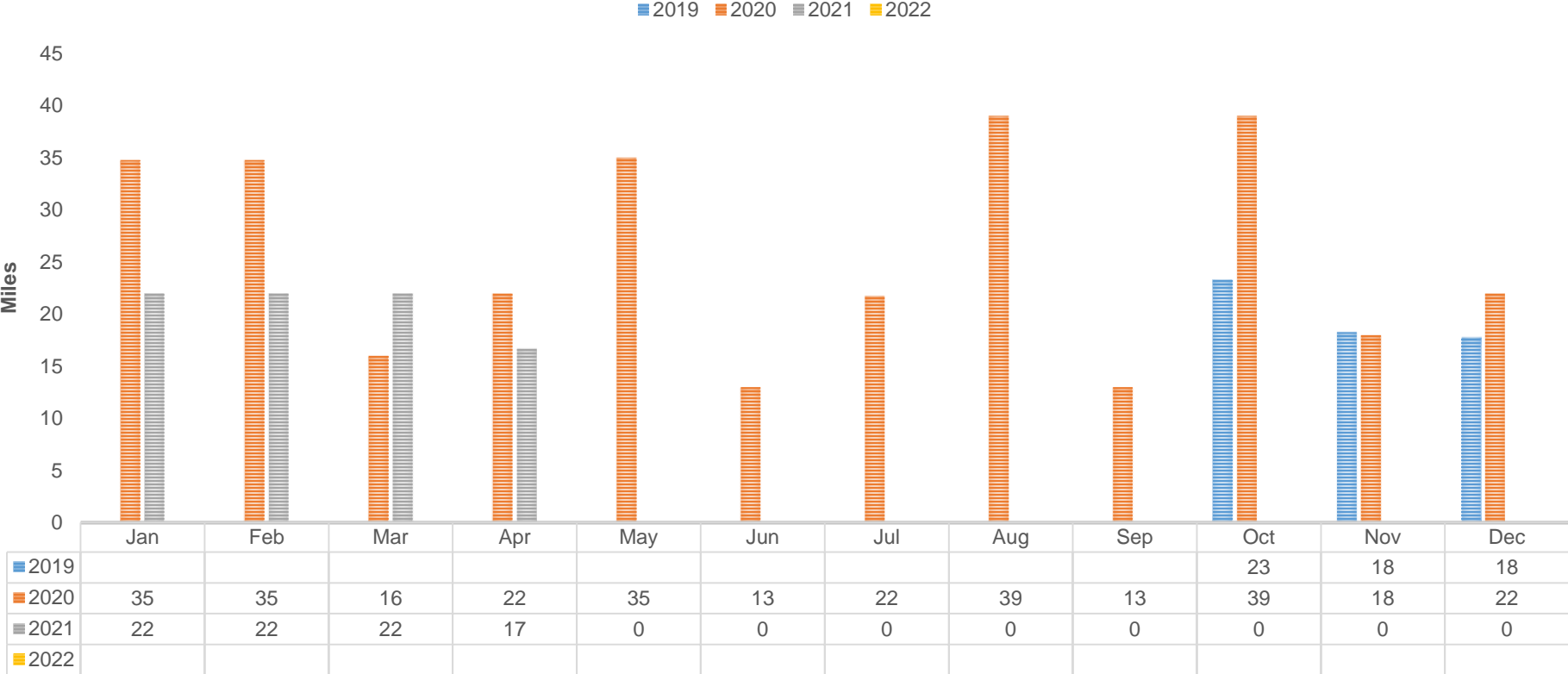
Routine inspection of dams is key to identifying and correcting potential issues. The District’s Owner’s Dam Safety Program specifies that NID Hydroelectric Operations is to “perform safety inspections of District dams on a weekly (visual) and monthly (detailed) basis when weather conditions permit.”

Discussion:

The number of inspections in April increased year over year because snow is limited in the Upper Division allowing for easier access.



LINEAR FACILITY INSPECTIONS



Report Description:

This report presents the length (miles) of linear facilities inspected at least one time during the previous month. The total length of the facilities considered is 39 miles as shown in the table.

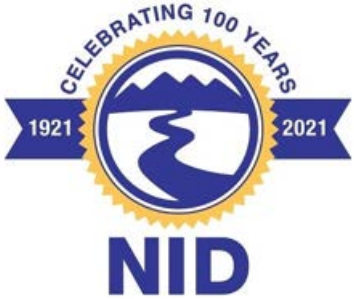
Context

Routine inspection of linear facilities is key to identifying and correcting potential issues. The Department’s goal is to inspect all linear facilities at least monthly.

Discussion

The Department has stopped inspecting the South Yuba and Chalk Bluff Canals on a regular basis until the transfer of those canals to NID is closer in time.

Linear Facilities	Miles Per Facility
Dutch Flat Flume	4.68
Chicago Park Flume	4.1
South Yuba Canal	15.71
Chalk Bluff	3.24
Bowman 60kV Poles	9
Scotts Flat 12kV Poles	0.25
Bowman-Spaulding Canal Lower	3.87
Bowman-Spaulding Canal Middle	2.3
Bowman-Spaulding Canal Upper	1.5
Total Possible Miles each Month	44.65



South Sutter Water District (SSWD) – Hydroelectric Operations Update

- NID Hydroelectric Department staff attended Camp Far West Powerhouse to witness key annual outage activities and powerhouse function.
- Provided draft agreement for services to SSWD on May 10, 2021. Draft provided was consistent with NID Board Direction given on March 24, 2021.

