



2024 NW Beech Street
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NUID PROJECT MATRIX

June 2024

1. Juniper Butte Canal Liner Project

- a. EPA issued the BABAA waiver on March 8, 2024.
- b. Construction is tentatively scheduled for November 2024.
- c. Liner Engineering is complete; we must finalize a BOR quality control plan before obtaining BOR approval.
- d. Waiting for SHPO approval and NTP from BOR.
- e. Project is funded through Congressionally Directed Spending Request (CDS), OWEB grant, and District in-kind services.

2. PL-566 Lateral 43 Segment 1

- a. Construction began on November 27, 2023.
- b. Minus some ancillary work by NUID staff, the project is complete and working as expected.
- c. Notice of completion was signed on May 6, 2024.
- d. Project was funded by PL-566, OWEB grant, and District in-kind services.

3. PL-566 Lateral 43 Segment 2

- a. Easement acquisition, survey, and research are ongoing.
- b. Segment mapping/design is complete.
- c. Engineering is completed. 90% design have been submitted.
- d. Securing additional funding in progress.
 - i. Congress approved the 2023 Appropriations bill, and NUID was awarded \$2M CDS funding for PL-566.
- e. On April 29, 2024, a draft TA funding request was submitted to NRCS for Review. Once approved, additional TA funds will be requested.
 - i. TA funds are used for project design, engineering, drafting, quality control, administration, etc.

4. 45-2 Siphon Replacement

- a. Project is 99% complete.
- b. Final grading and pre-emergent is complete.

- c. The project will be completed once District staff drill seed this Fall.
- d. Project was paid for using an OWEB grant and District in-kind services.

5. Fish Screen Replacement

- a. NUID was awarded \$5.88M through the WaterSmart AER Grant Program.
- b. The district was awarded \$750K through the ODFW ARPA Grant Program.
 - i. ARPA funds must be spent by 2026.
- c. 1.5 years to inform BOR about the \$10M XM Loan. (Jan 2025)
- d. Additional funding is being sought to finalize the project.
 - i. Planning meeting with ODFW completed February 27, 2024. Working to obtain ARPA funding.
 - ii. OWEB Grant application for \$1M was submitted on April 29, 2024.
 - iii. \$2M OWRD Grant is being prepared for submittal on July 10, 2024.

6. Lake Billy Chinook Pumping Plant

- a. Appraisal Study is under final review.
- b. Begin work on Feasibility analysis.
- c. Projects are funded through OWEB and BOR grants.

7. NUID/JC Economic Study

- a. Complete.
- b. Summary report was given at the JC Farm Fair on February 8, 2024.
- c. Final report revisions are currently being performed.
- d. Project was funded through Jefferson County and OWEB grants.

8. Ditch Rider House Replacement

- a. HAZMAT Report approved from BOR.
- b. Public bid solicitation was completed on February 6, 2024.
 - i. 0 Bids were received.
- c. Investigating Ditchrider temp housing options.
- d. BOR approved the house floor plan, and district staff have scheduled a meeting with Jefferson County Building and Safety to obtain proper permits.
- e. NUID Board approved replacing the 64 house on May 14, 2024, using District housing reserves.

9. Main Canal Automation Grant

- a. District staff have upgraded the Main Canal gates on check structures 50, 51, 56, 58, and 64. The project included constructing and installing 12 new gates, motors, and associated automation hardware.



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- b. Main canal check structure upgrade at gate 58 is completed. NUID staff are working on installing a pressure transducer to upgrade canal management operations near Haystack Reservoir.
- c. The project was funded through a Bureau of Reclamation WaterSmart grant and District in-kind services.

10. 58-3-2 Pipeline

- a. This project was originally tied to another pipeline grant application (41-9), but there were not enough funds left to complete both projects.
- b. Notice to proceed has been issued by Reclamation and the district is applying for funding through the RCPP grant program.

11. Redmond Hydro Resiliency Project

- a. Design and engineering in progress. (Funding paid for using ODOE, DOE, and Idaho Labs grant funds).
- b. Finalizing the acquisition of information from turbine manufacturers to ensure BABAA and RFP compliance. Once finalized, the turbine selection committee (BRC, OS Engineering, FCA, NUID) will select a turbine manufacturer.
- c. Once turbine Mfg. is selected, BRC and OS Engineering will complete the design/engineering.
- d. Multiple meetings with stakeholders to discuss the project logistics and implementation.
- e. Formally requested BOR to initiate the LOPP process on December 7, 2023.
- f. LOPP application extension was requested to provide more time to finalize turbine selection and design requirements.
 - i. LOPP application extension was granted. The new application deadline is August 5, 2024.

12. Main Canal Hydrokinetic Project

- a. Formally requested BOR to initiate the LOPP process on November 20, 2023.
- b. BOR granted an extension of 90 days on the LOPP application. Application due July 17, 2024.
- c. The sole source procurement document has been completed and will be available for the NUID Board's consideration on May 14, 2024.
- d. LOPP application was submitted to BOR on June 3, 2024.
- e. The project is being funded through a partnership with Emrgy and District in-kind services.

13. Main Canal Floating Solar Project

- a. April 4, 2024, NUID was awarded \$2.55 Million to develop a floating solar pilot program.
- b. RFP documents were presented and approved on May 14, 2024.
 - i. RFP was published May 17, 2024.
 - ii. RFP Bids were received on June 10, 2024.
 - iii. Notice of Intent to Award posted on June 12, 2024.
 - iv. Project awarded after June 20, 2024.

14. Cloud Seeding Project

- a. On April 17, 2024, NUID received \$76,000 to research cloud seeding potential for Central Oregon.
- b. 50% Match funding is required, and NUID staff are researching funding opportunities with OSU, PGE, Pacific Power, and various State Agencies.

15. City of Bend Sewer Treatment Plant Water Conveyance Project

- a. Working with COB Engineering consultant and DEQ Staff to convey Class A water to the NUID main canal.
- b. Project is stalled due to no legislative way to convey treated water into Waters of the State (WOS). DEQ is accessing options to allow for permitting.

16. Haystack Reservoir Operations Study

- a. Fall of 2023, NUID received funding from Reclamation to conduct an operations study of Haystack Reservoir and COID/NUID delivery system.
- b. On March 25, 2024, District staff hosted a tour for BOR engineers who will be performing the study work.
- c. District staff are working with BOR to conduct the study.

17. Crooked River Pump Bypass Flow Requirement Modification

- a. During the Fall of 2023 and Winter of 2024, NUID staff have engaged DRC, CTWS, USF&W, ODF&W, BOR, and OWRD to find an agreeable flow adjustment between Non-Dry Year and Dry Year flows.
- b. 2024 has been determined to be a Non-Dry Year.
- c. CTWS, ODFW, and USF&W biologists have agreed that an average between the two metrics is agreeable.
- d. May 10, 2024, the DRC Board of Directors approved the flow modification.
 - i. DRC and NUID consultants will consult with OWRD and formulate an MOU to adjust the 2014 Crooked River Legislation flow requirements.



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- ii. The flow adjustment will not be implemented until the 2025 irrigation season.

18. Wickiup Outlet Works Automation

- a. District staff have been notified of potential funding opportunities through OWRD that may be used to install flow meters in the outlet works and automate the outlet works.
- b. District staff have filled out an application and will submit it to the NUID Board for consideration on July 9, 2024.

19. 58-11 Measurement Flume and Automation Grant

- a. The district received \$51,285.97 in grant funds to install a ramp flume measuring device, including a water level pressure sensor and programmable logic controller, to achieve real-time monitoring and control of the 58-11 pipeline.
- b. Waiting for grant application before commencing work.

20. NUID Video Project

- a. On February 13, 2024, the NUID Board approved \$5,000.00 to produce a series of short videos showcasing NUID's struggles and collaboration efforts.
- b. An initial meeting has been held with the producer and selected NUID Board members to ascertain the project's direction.
- c. The project has been delayed due to insufficient staffing and lower priority.