



2024 NW Beech Street
Madras, Oregon 97741

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NUID PROJECT MATRIX November 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, but funding agreements from EPA have not been provided.
- c. Liner Engineering and Quality Control plans are complete.
- 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.
- e. At the end of the 2024 Irrigation season, two leaks appeared in the pipeline. District engineers and project representatives have surveyed the pipe and made the appropriate repairs. Additional surveys and repairs are being completed to ensure long-term reliability.

3. PL-566 Lateral 43 Segment 2

- a. Taylor Northwest was awarded the project on October 4, 2024.
- b. Design and engineering are completed and have been approved.
- c. Securing additional funding in progress.
 - i. Congress approved the 2023 Appropriations bill, and NUID was awarded \$2M CDS funding for PL-566. The funds are expected to be allocated to NUID by the end of 2024.
- d. 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.

- ii. District was notified 10/31/2024, that an additional \$250,000 for TA Design funds were allocated. The District should receive an agreement by spring 2025.
- e. Signed \$5M+ OWRD Grant contract on November 1, 2024.
- f. Construction will be completed no later than April 1, 2024.

4. 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. Late October 2024, the District received notice that an OWEB grant for \$1M was awarded.
- d. Additional funding is being sought to finalize the project.
 - i. \$2M OWRD Grant application was submitted on July 10, 2024.

5. Lake Billy Chinook Pumping Plant

- a. Appraisal Study is complete.
- b. Work on Feasibility analysis is underway.
- c. Projects are funded through OWEB and BOR grants.

6. NUID/JC Economic Study

- a. Complete.
- b. Summary report was given at the JC Farm Fair on February 8, 2024.
- c. Project was funded through Jefferson County, OSU, and OWEB grants.

7. 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. NUID Board approved replacing the 64 house on May 14, 2024, using District housing reserves.
- e. Working with BOR to finalize remaining requirements.

8. 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. NUID staff installed a pressure transducer to upgrade canal management operations near Haystack Reservoir.
- c. An electric motor and pressure transducer were installed at the Lateral 43 Head-end to help manage flows into the new PL-43.
- d. The project was funded through a Bureau of Reclamation WaterSmart grant and District in-kind services.

9. 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. Reclamation has issued notice to proceed, and the district is seeking funding through other grant programs.

10. Redmond Hydro Resiliency Project

- a. Design and engineering are complete at 50% (Funding paid for using ODOE, DOE, ETO, and Idaho Labs grant funds).
- b. Mavel was selected to manufacture the turbine.
- c. Formally requested BOR to initiate the LOPP process on December 7, 2023.
 - i. October 28, 2024, the District received notification of an approved preliminary power privilege lessee study. A contract will be provided to conduct the study.
- d. October 8, 2024, the NUID Board increased the project scope to include solar, battery backup, microgrid, and backup diesel generator.

11. Main Canal Hydrokinetic Project

- a. Formally requested BOR to initiate the LOPP process on November 20, 2023.
 - i. BOR granted an extension of 90 days on the LOPP application, which was due July 17, 2024.
 - ii. LOPP application was submitted to BOR on June 3, 2024.
 - iii. July 25, 2024, BOR Requested more information on the LOPP application, due October 18, 2024.
 - iv. On October 18, 2024, an updated application was submitted identifying a new location for the turbines and providing additional information.
- b. The sole source procurement document has been completed and was made available for the NUID Board's consideration on May 14, 2024.
- c. The project is being funded through a partnership with Emrgy and District in-kind services.

12. 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.
- c. Grant funding has been awarded and NTP has been issued.
- d. Cultural compliance survey has been awarded to Applied Archaeological Research, Inc (AAR). Work will begin in November 2024 and should be completed by February 2025.

13. 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.

14. 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.

15. Haystack Reservoir Operations Study

- a. In the fall of 2023, NUID received funding from Reclamation to conduct an operations study of Haystack Reservoir and the 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.

16. 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.



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

17. Wickiup Outlet Works Automation

- a. District staff have been notified of potential funding opportunities through OWRD for installing flow meters in Wickiup Dam's outlet works.
- b. District staff have received price estimates and are seeking additional funding through other grant opportunities.

18. 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.

19. 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.