

**NAVAJO-GALLUP WATER SUPPLY PROJECT
PROJECT CONSTRUCTION COMMITTEE MEETING NO. 67
THURSDAY, Apr 24, 2025, 9:00 AM
In-Person at the Denver Technical Services Center (TSC) and via MS-Teams
SUMMARY**

- 1) Review and approve agenda (Reclamation)
- 2) Review Jan 23, 2025, PCC Meeting Summary (Reclamation)
- 3) Review of PCC Action Item List (Reclamation)
 - a. PIN 051 to be revised to include consideration of regeneration costs for the GAC system
- 4) Other Related Navajo-San Juan NM Settlement Issues (BIA/Navajo Nation)
 - a. Conjunctive Groundwater Use Plan
 - b. San Juan River Navajo Irrigation Projects

CONSTRUCTION/CONTRACT UPDATE

- 5) General Reclamation Updates
 - a. Federal changes – recent changes may have an impact on the NGWSP schedule
 - b. Tariffs – two versions of the NGWSP WCE will be released: one without a tariff impact estimate and one with.
 - c. Information Sharing / Public Outreach (Reclamation)
 - i. Industry Day
 - ii. SJLWTP Blessing Ceremony
 - iii. Quarterly Newsletter
- 6) Pumping Plants No. 4 and 7 (Reclamation)
- 7) Navajo Code Talkers Sublateral (Reaches 12.1/12.2) (Reclamation)
- 8) Pumping Plants No. 2 and 3 (Reclamation)
- 9) Block 4A/4B (Reclamation)
- 10) SJLWTP (Reclamation)
- 11) Reach 27.7B (Gallup)
 - a. Work completed, all pay applications and invoices paid. In final-close out status.
- 12) Reach 27.12 - Cipriano Waterline Extension (Gallup)
 - a. Working on easements and rights-of-way
 - b. Preparing for BOR's NTP Letter to be issued soon, thereby authorizing Invitation-for-Bid process to begin in June 2025.
- 13) Reach 10.1.1 (Navajo Nation/SMA)
 - a. Construction contract issued Jan 5, 2025
 - b. Completion scheduled Jan 6, 2026
 - c. Awarded for \$6m+
 - d. SOW to be adjusted for Turnout Facilities – USBR will construction turnout facilities
 - e. NECA is contractor
 - f. Clearing and grubbing is complete
 - g. Burrowed Owl and Migratory Bird Surveys complete
 - h. 2400' of pipeline installed, some rock being encountered
 - i. Cultural monitoring has been on-site for areas needed
- 14) Reach 14.1 and 14.2 (Indian Health Service)
 - a. Updated construction schedule provided by IHS; would like to begin construction Spring 2025 and complete project within 18 months
 - i. Church Rock and Iyanbito tanks to be completed, followed by the pipeline
 1. IHS to provide updated plans and profiles this spring for Reach 14.2 upsizing
 - ii. Reclamation currently determining if any additional permitting is needed prior to construction as previous permits expired

SAN JUAN LATERAL- ISSUES / DESIGN UPDATE

- 15) S. 637/ H.R. 1482 - Navajo-Gallup Amendments
- 16) San Juan Lateral Flow Allocation Discussion (Navajo Nation/City of Gallup/IHS/Reclamation)
 - a. NGWSP Flow Allocations
 - i. PIN 022.4 Discussion
 1. Navajo Nation to schedule meeting to discuss flows
 - b. Other settlement potential flows
- 17) Reach 1 – Status/Schedule (Reclamation)
 - a. R1 Pipeline Repairs
 - i. Solicitation closed April 24, Award June 2025; Construction September 2025-June 2026
 - b. Bypass Tank
 - i. 30% Design April 2025 (received), 60% Design July 2025, 90% Design November 2025, Construction November 2026-September 2027
 - c. Intake Pumping Plant
 - i. Intake Model Video Presentation
 - ii. Spec B April 2025, Award March 2026, Construction Winter 2026 - Fall 2028
 - d. Frank Chee Willetto Reservoir/Dam
 - i. 30% Design Feb 2026, VE Study March 2026, 60% Design June 2026, 90% Design November 2026, Review C Early 2027; Award Fall 2027; Construction Late Fall 2027 – Spring 2028
 - ii. FCCO exploring options to drain reservoir prior to construction
- 18) Block 2-3 – Status/Schedule (Reclamation)
 - a. The design of the open trench portion of Block 2-3 pipeline starting up again to include the upsizing. Expect 90% design Oct. 2025
 - b. The design of the HDD portion of Block 2-3 is moving along – 90% design expected June 2025.
 - c. ROW acquisitions are in process.
 - d. May need to acquire temporary ROW and permits to cross the Chaco Wash.
 - e. Mesa Verde Cactus survey complete and will be performed again in Spring 2025.
 - f. Morgan Lake Tank renamed San Juan Lateral Water Treatment Plant Regulating Tank
- 19) Pumping Plant #1 – Status/Schedule (Reclamation)
 - a. Awaiting ROW concurrence from BIA
 - b. ROW footprint is being amended to request additional ROW needs.
 - c. 100% design was completed Feb. 2025.
 - d. Solicitation Scheduled for June 24, 2025.
 - e. Award ETA is November 11, 2025
 - i. BIA may be doing construction at the end of Yellowman Syphon roughly the same time as the PP1 construction is underway.
- 20) San Juan Lateral Water Treatment Plant (Reclamation)
 - a. 45% IT design package received April 2025
 - b. 60% design expected June 2025
 - c. 60% design package review expected early-July
 - d. 90% design expected end of Oct
 - e. Power from both directions is in ROW stages
 - f. Power is on target to be available December 2026
 - g. Hydropower will no longer be included but there will be an option for the future.
- 21) Reach 27/Pumping Plant #8 – Status/Schedule (City of Gallup)
 - a. Reach 27.12
 - i. Cultural consultation and NEPA environmental compliance remain in process (for add'l portion of waterline)
 - ii. 90% design package expected to be submitted in May 2025.

- b. McKinney Pumping Plant #8
 - i. 30% design package submittal and updated cost estimate, delayed to June 2025 due disinfection/water issues currently being evaluated.
- 22) Tohlakai Pumping Plant
 - a. Interim Groundwater Delivery from Twin Lakes Well (Navajo Nation/USBR/City of Gallup)
- 23) Reach 14.2 (Indian Health Service)
 - a. 12" C900 DR 18 pipe delivery received at NECA warehouse. IHS inspected and deemed in good condition.
 - b. IHS adjusting plan and profile sheets and detail sheets for 12" pipeline. IHS anticipate completion in Spring 2025
 - c. Updated NECA Specs provided by IHS and approved by Reclamation
- 24) Reaches 14.6a, 14.7a, 14.8a (Reclamation)
 - a. ROW documentation from IHS was obtained and is being reviewed by Reclamation Lands staff.
 - b. IHS currently evaluating timeline for submitting a package to the BIA to transfer allotted and Tribal Trust ROW to Reclamation. Reclamation will proceed with acquiring private lands ROW.
 - c. Reclamation investigating de-obligation of construction funding for these reaches upon receipt of final de-obligation proposal and invoices from IHS.
 - d. Construction schedule reviewed with TSC
 - i. Obtained Breadsprings hydraulic model from IHS
- 25) BBN9/R12.3/24.1 Lybrook – Status/Schedule (Navajo Nation/SMA)
 - a. R10.2.1 – construction 2025
 - b. R10.1 and 10.2 – construction 2026, consultation with Hopi is almost complete pending signatures on the MOU.
 - c. R10.3 and 10.3.1 – construction 2027
 - d. R12.3 – in discussions with NTUA and IHS, alignment has been generally agreed to, construction to be completed before the end of 2029
 - e. 24.1 Lybrook – 60% design complete. Construction expected to begin in 2027.
 - i. Oil pump project has affected alignment, but SMA is moving ahead with changes
- 26) San Juan Lateral Turnouts and Community Connections
 - a. Turnout Buildings (Reclamation)
 - i. Turnout building locations have been identified
 - ii. Design activities started and 30% Design ETA October 2025
 - b. Community Transmission and Treatment (Navajo Nation/SMA)
 - i. Naschitti (Navajo Nation/SMA)
 - 1. 100% design complete and construction scheduled to begin
 - 2. Groundbreaking schedule February 17
 - 3. USBR executed license agreement
 - ii. Sanostee (Navajo Nation/SMA)
 - 1. 30% design completed and reviewed by USBR
 - 2. Working toward 60% Design
 - iii. Tohatchi
 - 1. Beginning 30% Design
 - iv. Newcomb/Two Gray Hills
 - v. Sheep Springs
 - vi. Rock Springs
- 27) Shiprock Connection (Reclamation)
 - a. Mesa Verde Cactus survey complete. Will do another 1 year prior to construction.
 - b. Will include pipeline, turnout building, and connection to existing facilities
 - c. Expect to start design at the end of 2025

CUTTER LATERAL

- 28) OM&R Update (Reclamation/NTUA/Navajo Nation)

- a. **Operations – General**
 - i. WTP production averaged 375,000 gpd for this past quarter, an 18% increase over last quarter.
 - ii. Reclamation has reviewed the draft Authority to Operation (ATO) application, Policy/Procedures (P&Ps), and Plan of Action & Milestones (POAM) created by NTUA. Reclamation will oversee the upgrades. The POAM identifies about 88 groups of tasks (300) to bring security to the FISMA/NIST 800-53 moderate impact level.
- b. **Water Regulatory/Quality**
 - i. All deficiencies identified in the two NMED sanitary surveys have been corrected and accepted. The distribution sample site plan (DSSP) proposed by NTUA has been approved by NMED.
 - ii. It's been agreed not to conduct the full ACH coagulant optimization study; however, the proposed study lays out the path for conversion to ACH, which in large part will be used. Jacobs is drafting a plan for submittal to NMED. No timeline has been set up yet to execute the conversion.
 - iii. Torreon DBP issue – Use of the GAC filters continue at the CL WTP since early May 2024. Latest test results indicate LRAA remains below TTHM regulatory limit of 0.008 mg/l, but above goals (80% MCL). Disinfection leaving the Cutter WTP plant was reduced at the beginning of the year from 1.5 mg/l to 1.3 mg/l. Q1 DBP results in Torreon indicate goals are being met for the sample location.
- c. **Area Wide Optimization Program (AWOP) - (NTUA)**
 - i. AWOP meeting was held 28-Jan-2025. Reconciling some filter effluent readings with CFE results were discussed. A focus meeting is expected to be scheduled to go over the results in detail.
 - ii. Next quarterly meeting is expected to be +/- 01-May-2025.
 - 1. Distribution optimization discussion to take place at next meeting
- d. **Water Treatment & Conveyance Contract (Jicarilla/NTUA)**
 - i. All payments have been made by Jicarilla for the fixed OM&R invoices through 2025.
 - ii. Monthly variable OM&R invoices continue for water use.
 - iii. Cost of Services Study by NewGen continues with completion expected this quarter.
- e. **NTUA Liaison FAA: Level 4 Operator (NTUA)**
 - i. No qualified applicants within the last year.

29) Construction Update (Reclamation/NTUA/Navajo Nation)

- a. **R21/22**
 - i. NTUA and Reclamation are confirming items to be completed as listed in the January 2022 Completion Inspection Report, Stipulations List.
 - ii. Among items remaining include the SCADA connection to the downstream facilities and the delivery of the 1-ton utility truck.
- b. **ENWP2/3, R24, R25, R26**
 - i. The Navajo Nation continue work to complete the July 2023 warranty inspection punch list.
 - ii. The delivery of various tools and vehicles is imminent.
 - iii. NTUA has invoiced the Nation for their one-time OM&R payment per the facilities' transfer MOA.
- c. **Pueblo Pintado Water Loading Station**
 - i. NTUA is working with a consultant for the University of Arizona to move their tap from the lateral to the adjacent cPWS.
- d. **Jicarilla Connection Update (Jicarilla/SMA)**
- e. **Reach 21 Booster Plant (Reclamation)**
 - i. Constructability review with site visit took place Jan 16
 - ii. 90% plans expected May 2025
 - iii. ROW application submission expected May 2025
 - iv. Review C expected June 2025

WATER TREATMENT

30) Regulatory Coordination (Reclamation)

- a. **Regulatory Workgroup Meeting**

31) Blending & Corrosion Control - San Juan & Cutter Water Systems

- a. Flow through pipe testing pilot at CLWTP to inform San Juan and Cutter water systems. Pilot operational in December 2024 with Gallup cast iron pipes. Adding coupon racks 5/2025. Ready to receive NTUA pipes when available.
- b. Ongoing bench testing to evaluate scale stability changes with changing water sources. Method development complete by April 30 and preparing SJR water for coupon studies.
- c. Ongoing monthly meetings to facilitate communication between Navajo Nation/NTUA, Gallup, Reclamation on blending and corrosion topics.

32) Disinfection Byproducts - San Juan Water System (Reclamation)

- a. Residence time (RT) GIS modeling completed.
- b. TSC is finalizing review of the model and starting to produce figures and data for DBP mitigation plan
- c. Draft Residence Time Basis of Design draft under review.
- d. Lab Bench Simulated Distribution (SDS) Test Report complete and in review.
- e. Initial DBP modeling using SDS and GIS RT model results completed showing no HAA5 concerns and some TTHM mitigation may be required. Additional community specific modeling may be needed to investigate TTHM hot spots.
- f. DBP Mitigation Plan document under development.
- g. Tank aeration research continuing.
- h. Second round of testing underway, SJR water sampled and bench-scale treatment in progress, updated test apparatus to reflect current technology used in field applications
- i. Second round of testing will model expected distribution conditions to Whiterock Valley cPWS
- j. Ongoing monthly meetings to facilitate communication between Navajo Nation/NTUA, Gallup, Reclamation on DBP topics.

PROJECT WIDE

33) Upcoming PINs / Modified PINs (Reclamation)

- a. PIN 022.4 – Add Startup Flows for SJLWTP – awaiting updated information
- b. PIN 027.1 – Cutter Turnout Flows – Routing for signatures
- c. PIN 034 – SJ Lateral Storage – USBR to revise and send for review
- d. PIN 038.1 – In-Tank Chlorination Systems, Water Quality Sampling, Pre-use Monitoring, and Tank Penetrations – Routing for signatures
- e. PIN 050 – San Juan River Pumping Plant – Routing for signatures
- f. PIN 051 – San Juan Lateral Water Treatment Process Decision – To be revised and re-sent

34) Cultural Resources Compliance – Project-Wide (Reclamation)

- a. Tom Hanson has left Reclamation.
- b. Survey: Contractor for Reach 2 and 3 and other areas has received permit from BOR. They are working on getting their permit from NNHHPD.
- c. Next CRCs: We are trying to complete the 10.1 and 10.2 CRCs now. Have met with NNHHPD regarding Hopi's wishes for mitigating Hopi TCPs that can't be avoided. We have a Memorandum of Understanding (MOU) that we are working to get signed.
- d. Further Mitigation Program: Awarding contracts/grants to tribes to do more meaningful mitigation than typical Section 106. Solicitation has been issued for Pueblo of Acoma contract. FAA package was submitted for Hualapai. Waiting for signatures on purchase requests for Zia, Pojoaque, and Zuni Pueblos.
- e. Next Workgroup Consultation Meeting: Farmington on June 11-12. First day will consist of a field trip. Potentially to Reach 22A but this has not been decided. Second day will be the business meeting.
 - i. Programmatic Agreement expires Oct 2024 and will need to be extended to the end of the project
- f. Working on the Reach 1-3 Monitoring and Discovery contract.

35) Environmental – Project-Wide (Reclamation)

- a. Compliance
 - i. Determination of NEPA Adequacy (DNA) for the Reach 1 Pipeline Rehabilitation work has been signed.

- ii. Draft Mesa Verde Cactus Construction Plan Addendum for the Reach 1 Pipeline Rehabilitation work has been sent to FWS for their review.
- iii. FCWR Bypass Field Exploration Work DNA is in progress. Cultural compliance needed before NEPA can be finished.
- iv. Formal Section 7 consultation for the Reach 1 Intake Fish Barrier Weir changes, etc. is now complete.
- v. TSC is assisting with CWA Section 402 permitting for Reach 1. Sediment modeling indicated individual NDPES point source discharge permit is required. TSC submitted this permit to EPA on 3-25-25.
- vi. Over the winter, Reclamation had meeting with NNDFW and answered all questions regarding locations of Mesa Verde Cactus surveys.
- vii. Contract has been awarded for 2025 MVC pre-construction surveys as well as a general biological survey for “additional” APE areas that were added in Block 2-3. Surveys anticipated to begin last week of April.
- viii. BRCF received from NNDFW for Pumping Plant 1 and the BIA Access Road Improvements.
- ix. Categorical Exclusion has been prepared for FCWR fish relocation and is routed for signatures.
- x. NEPA Sufficiency Review is in progress for PP1 (initial ROW submittal). Cultural compliance needed before document can be completed.
- xi. NPDES Individual Permit potentially needed for discharging water from detention basin at PP1 into the San Juan River. Meeting will be held with EPA region 9 in near future.
- xii. 24.1 Lybrook EA is in revision after receiving BLM comments.
- xiii. BIA had no comments/edits for the 24.1 Lybrook EA.
- xiv. CWA compliance monitoring has occurred for Red Willow Wash, Cutter Wetland and Tse-nas-chii Wash. Reports being prepared. Cutter report to go out soon.
- xv. Data response received from NNDFW for the Reach 21 DZ Booster Station and Tank Site. APE area has since changed. Need to review.
- xvi. San Juan Lateral Water Treatment Plant: prairie dog and MBTA surveys were completed this spring and clearing/grubbing is underway. All environmental requirements were discussed at pre-construction meeting.
- xvii. Reaches 14.1 and 14.2 Specs received revisions that included updated environmental commitments. Construction is planned for May/June 2025 at the Churchrock Tank site.
- xviii. DePauli Engineering is working on a Determination of NEPA Adequacy for the waterline extension associated with Reach 27.12 in Gallup.

b. Revegetation

- i. Reseeding on 12.1/12.2 still underway. Mostly complete besides a few crossing areas.
- ii. Contract for Reaches 4C-8 reseeded has been awarded
- iii. Revegetation work is planned for this year, beginning in July
- iv. NGWSP Revegetation Plan has now been signed by all parties. – USBR to share

36) Power Transmission (NTUA)

a. Meeting held Jan. 17, 2025

b. San Juan Lateral Status (NTUA)

- i. PP2 slightly behind PP3 schedule.
 - 1. Only single power at PP2. Will be able to test the two motors once pump at a time. Still waiting for highway crossing permits.
 - 2. No wire has been pulled or ordered.
 - 3. NTUA in the process of upgrading main distribution line.
 - 4. NTUA to discuss design with AW for pad mount and switch gear.
 - 5. Transformers will be delivered at the end of June.
- ii. PP#4 - wait for permanent power for testing and commissioning, 115 kV transmission should be complete by end of year, but the Newcomb Substation will need to be complete before it can be used. Expect completion by end of 2025.
- iii. SJL Turnout Locations
 - 1. NTUA needs drop locations by mid-April.
 - 2. VoIP to be completed by Jacobs (SJLWTP consultant).
- iv. Transmission Lines

1. Cudeii (Gadii'ahi) to Tohatchi – Still on schedule for construction and kick of meeting with the contractor will be held June/July. Materials are being delivered.
 2. Tohatchi to Coalmine – Finalizing construction bid and will go out for solicitation end of April.
 - v. Substation updates
 1. Newcomb – still working on design. Materials will be ordered soon due to long lead times. On schedule for construction in June/July.
 2. Tohatchi - 90% design complete. Materials will be ordered soon due to long lead times. Construction to start early 2026.
 3. Nenahnezad – ROW and design in process. No construction schedule yet. Power transformers on order and expected in June.
 - vi. Rectifier Sites – construction on-going for two sites, others are still in ROW.
 - c. Power Supply Agreements
 - i. Additional amendments to be completed
 - d. Renewable Energy Feasibility Study w/NREL (Navajo Nation/WCAO)
 - i. No new updates
- 37) SCADA/Cybersecurity (Reclamation)
- a. Cutter Lateral (FISMA compliance)
 - i. Working on potentially adding components to the SJLWTP contract as part of overall NGWSP integration and final commissioning.
 - b. San Juan Lateral (Reach 14 Radio Communications)
 - i. Meeting on Friday, March 28 on all SJL projects.
- 38) Budget (Reclamation)
- a. FY2025 Construction Budget:
 - i. Mandatory - \$120,000,000
 - ii. Discretionary - \$0
 - iii. Carry over - \$290,000,000
 - b. City of Gallup Credit Request Status
 - c. 3rd Quarter FY2025 Bills
- 39) Action items and assignments (Reclamation)
- 40) Schedule next PCC meeting – Jul 31, 2025 – in-person with virtual option