

**NAVAJO-GALLUP WATER SUPPLY PROJECT
PROJECT CONSTRUCTION COMMITTEE MEETING NO. 45
THURSDAY, FEBRUARY 21, 2019 9:00 AM El Moro Events Center – Gallup NM
Conference line number: (866) 784-6450, Passcode: 9982265#
FINAL SUMMARY**

- 1) Review and approve agenda (Reclamation)
- 2) Review and approve August 8, 2018 PCC Meeting Summary *Handout* (Reclamation)
- 3) Review of PCC Action Item List – *Handout* (Reclamation)
- 4) Other Related Navajo-San Juan NM Settlement Issues (BIA/Navajo Nation)
 - a. Conjunctive Groundwater Use Plan
 - b. San Juan River Navajo Irrigation Projects
 - i. Question: Is there \$ for Hogback Canal Diversion improvements? Response (BIA) – There’s a potential that there may be money leftover but use of it for diversion improvements would be up to NN DWR.

CONSTRUCTION UPDATE

- 5) Tohlokai Pumping Plant (Reclamation)
 - a. Reclamation developing punch list items.
- 6) Block 9-11 (Reclamation) (see powerpoint)
- 7) Reach 22B (Reclamation) (see powerpoint)
- 8) Reach 21 (Reclamation) (see powerpoint)
- 9) Reach 24.1 JAN; Reach 26.1/26.2 (Navajo Nation) (see powerpoint)
- 10) Reach 27.6 (Gallup) (see powerpoint)

SAN JUAN LATERAL- ISSUES / DESIGN UPDATE

- 11) San Juan Lateral (Reclamation)
 - a. Connection Plans (Navajo Nation)
 - i. Navajo Nation is in process of revising connection ranking
 - ii. Several chapters have submitted applications for TIF funding for planning/design of connections
 - iii. Scheduled follow up Connection Plan summit mtg for March 28th at 9:00am.
 - b. PER’s status updates
 - i. All drafts are out for review. Reclamation to provide comments on 4 draft PERs within the next couple of weeks.
 - ii. Navaj Nation has submitted a request to Reclamation to extend the duration of the PER FAA.
- 12) Block 4C-8 – Status/Schedule (Reclamation)
 - a. Design & Procurement Update
 - i. 90% Design (SpecD) milestone was completed on 10/8/19.
 - ii. ReviewC meeting held at FCCO the week of
 - iii. 90% Design (Spec D) milestone is planned for September 10th and the Review C will be in Farmington the week of December 12th.
 - iv. Engineering team has been addressing ReviewC comments, including turnout design and NMDOT criteria.
 - v. SpecB package is expected on 2/25/19.
 - vi. Solicitation is planned for May 2019 with Award in September 2019
 - b. ROW Update
 - i. All ROW is across Navajo Tribal Trust land; ROW application was submitted to the NNLD on 7/2/18 along with a courtesy copy to BIA Shiprock. The package has cleared the 164 process and is awaiting an RDC hearing, which we hope will be in the next month or so. Reclamation will then submit the ROW application to BIA within a few weeks of receiving the RDC approval.
 - ii. Reclamation finalizing agreement with NN and NMDOT for having small sections of Reach 4c, 6, 7, and 8 ROW with Highway 491 ROW

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- iii. FCCO staff met with NMDOT engineers on 2/5/19 to discuss locations of ROW encroachment and their criteria/concerns (public safety, impacts to traffic and road structure, maintenance, etc.)
 - c. Turnout Discussion and Flow Control Valves
- 13) Navajo Code Talkers Sublateral (Reaches 12.1/12.2) – Status/Schedule (Reclamation)
- a. Design Update
 - i. SpecB (100% Design) milestone was met on June 7th. Reclamation has been updating the specification to match other related projects such as Pumping Plants 4 and 7 and getting it ready for solicitation.
 - ii. Solicitation: Pushed back to late November 2019 to allow time to complete ROW acquisition on Reach 12.1
 - iii. Contract Award: March 2020
 - iv. 2 NTPs will be issued:
 - 1) Reach 12.1
 - 2) Reach 12.2 and Black Hat Tank
 - v. Construction could begin in April/May 2020 (subject to Contractor schedule)
 - b. ROW Update
 - i. Reach 12.1 – All ROW packages submitted and in various stages of review or appraisal/negotiation. Plan to have ROW in place prior to contract award.
 - Tribal Trust – ROW granted 3/30/17
 - Tribal Fee – ROW granted 3/9/17
 - Allotted – All allotted ROW granted, #1539 ROW granted 9/29/17.
 - Private – 2 parcels acquired; still negotiating on 5 others.
 - ii. Reach 12.2 – Nearing completion of ROW packages for submittal in next month or two.
 - Tribal Trust – ROW grant received
 - Tribal Fee – ROW grant received 7/20/18.
 - Allotted – 3 parcels granted by BIA in 2017 and 2018
 - Private – Final plats are completed and waiver valuations are underway by Reclamation realty staff. Reclamation has been working with NMDOT on permit conditions/stipulations for placing small portions at 4 locations of the Reach 12.2 pipeline in the Highway 264 ROW, due to various issues, including BLM’s inability to grant ROW on a customary land use parcel, and constructability and cultural resources issues.
 - State Trust – ROW Grant was received on 2/11/19.
- 14) SJL Pumping Plants – Status/Schedule (Reclamation)
- a. Pumping Plants #4 & #7
 - i. Design & Procurement Update
 - Spec B (100%) plans and specs completed in September 2018 and then put on the shelf till spring 2020
 - Solicitation is scheduled for May 2020 with award in August 2020.
 - ii. ROW Update
 - All ROW is across Navajo Tribal Trust land.
 - ROW granted by BIA 1/16/2018 for PP #7, which is also acting as a staging area for the Block 9-11 construction. Reclamation will be submitting an amendment to the ROW grant in March to cover some minor changes between the original plat and final plant design.
 - The plat for PP #4 will be developed in March with a planned submittal to the NNLD by the end of March.
 - b. Pumping Plants #2 & #3
 - i. Design & Procurement Update
 - Final design was started in late summer 2018
 - Upcoming 30% design milestone (ConceptC) is 4/1/19

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- Shortened 2-3 day VE Study focusing on the sites and less on the buildings is scheduled for the week of June 24th in Farmington.
 - Solicitation is scheduled for January 2021
 - ii. ROW Update
 - All ROW is across Navajo Tribal Trust land.
 - The plats for both pumping plants will be drafted later this year and submitted to the NNLD in the November timeframe.
- 15) Block 2-3 – Status/Schedule (Reclamation)
- a. Design & Procurement Update
 - i. FCCO sent out the 60% design spec package for review yesterday (2/20/19). Comments are requested by 3/22/19.
 - ii. SpecD milestone is planned for 8/5/19 and ReviewC meeting is scheduled for week of September 16th at FCCO.
 - iii. Reclamation will share the VE Accountability Report from last summer’s VE Study next week.
 - Reviewed highlights
 - b. ROW Update
 - i. All ROW is across Navajo Tribal Trust land
 - ii. FCCO is in the process of drafting the plats for both reaches and plan to submit to the NNLD in March.
- 16) Block 4A-4B – Status/Schedule (Reclamation)
- a. Design & Procurement Update
 - i. FCCO is currently preparing the preliminary plan and profile drawings and will be submitting that to TSC by the end of March
 - ii. The ConceptC (30% design milestone) is planned for 6/3/19 and the VE Study will take place the week of July 29th at FCCO.
 - iii. Contract award is 2 years out in spring 2021.
 - b. ROW Update
 - i. All ROW is across Navajo Tribal Trust land
 - ii. FCCO will draft plats this summer after the VE Study with plans to submit to NNLD by October.
- 17) Reach 27 (City of Gallup) – Status/Schedule
- a. 27.9 – being advertised now – bids due next week
 - b. 27.10 – WTB \$ on it’s way. Award this winter; start of construction 2020
 - c. 27.11 – end of 2021 (completion)
 - d. 27.12 – end of 2022 (completion)
 - e. 27.7b – being held up with ROW’s (2023 completion)
- 18) Reach 14 (Indian Health Service)
- a. Reaches 14.1 and 14.2 – Status/Schedule
 - i. IHS has addressed majority of comments. Still working on relocation of a tank site to eliminate negative pressure issue.
 - ii. Seeking Eng & Des services for SCADA for pump station; will then schedule focus call
 - iii. No update on 401 permit; trying to get it completed
 - iv. Construction start – 12/30/19
 - b. Reaches 14.6a, 14.7a, 14.8a – Status/Schedule
 - i. Reviewing alignment data; will forward to BOR to begin NEPA / CR permitting documents
 - ii. Topo survey scheduled for 3/4/19.
 - iii. Construction start – 2022.

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CUTTER LATERAL

19) Reach 26.3 Status/Schedule (Navajo Nation)

WATER TREATMENT

20) Regulatory Issues (Reclamation)

- a. Next Meeting scheduled for 3/21/2019
- b. Reclamation comments/update to White Paper
- c. Comments on List of Service Communities
- d. Definition of a “turnout”
 - i. Turnout - Turnout means the point of connection on a Lateral for transferring water from the Project to consecutive PWS that receive water from the Project. The Lateral Turnout Pipe runs from the turnout to the NGWSP System Delivery Point and may consist of the piping, valves, meters, and backflow prevention constructed as part of the Project and is not associated with the entry points or distribution systems of individual consecutive PWSs.
- e. See attached diagram

21) Intake Structure

- a. Design Status/Schedule
 - i. TSC is continuing to work towards the 30% design milestone on 3/25/19.
 - ii. Work includes assessing the projected the total suspended sediment load that will overflow the intake weir structure at the Hogback.
 - iii. VE Study is planned for the week of 6/3/19 at FCCO. Invitations to Project Participants will be sent out in next few weeks.
- b. Facility Condition Assessment/SJR Physical Model/Pilot Study for Plate Settler
 - i. Draft recommendations for the Hogback Facility Condition Assessment was sent to Project Participants on 11/6/18. NTUA sent comments on 12/13/18. Reclamation is awaiting CoG and NN comments, before finalizing.
 - ii. Initial testing for the Physical Model of the SJR Hogback Diversion Dam was completed in early February and a Tour was given to the Project Participants on 2/6/19 at the TSC lab in Denver. Good feedback received, especially from Marlin Saggboy on how the model simulated debris flows and the impacts of operating the canal and sluice gates. Recommendations for a combined rock groin upstream of a reinforced log boom immediately upstream of the headworks are forthcoming in a final report next month.
 - iii. Pilot Study for Plate Settler
 - Proposals were received earlier this winter and contract is scheduled to be awarded in next few weeks. Contract should mobilize to the site by mid-to-late March to begin testing inclined plate settlers versus a control basin ahead of spring runoff.
 - Pilot to run through the end of monsoon season September 2019
 - If viable, Plate Settler design will be incorporated into SJL Intake specs prior to bid solicitation
- c. 404(b)(1) Status
 - i. Contractor working on biological studies; discussions happening with the Corps. Once the VE study is complete, the design will be incorporated into the 404(b)(1) permit process
- d. Water Quality Monitoring/Analysis Update
 - i. USGS is continuing to collect data at both the Fruitland Bridge and the Hogback Diversion (during irrigation season) and sharing that information with Reclamation, which is summarized in the quarterly water quality reports on the NGWSP SharePoint site.
 - ii. Weekly grab sample monitoring continues at Hogback Diversion headworks.
 - iii. We are continuing to investigate the relationship between turbidity and heavy metals, especially during flash-type monsoon events using separate Research S & T funds and the new sampling gage at the Fruitland Bridge. Reclamation

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analyzed data collected during the 2017 monsoon presented those findings in June at the Animas and San Juan Rivers Environmental Conference. Those initial findings will be shared with the Project Participants.

- e. PNM Facilities Fatal Flaw Analysis
 - i. NTUA has submitted a letter requesting continuing assessment on utilizing the PNM facilities
 - ii. Hope to have fatal flaw analysis completed by next PCC mtg
 - iii. Challenge will be impacts to appropriations ceiling and Congressional deadline for project completion.
 - iv. Discussion on water quality/operatitons at PNM scheduled for 2/22/2019
- 22) San Juan Lateral Water Treatment Plant and Intake Structure (Reclamation)
- a. Design-Build Contract Pre-Solicitation
 - i. Reclamation hosted a successful Industry Day on September 26th and 27th in Albuquerque. Had over 90 people turnout for the Plenary Session and then held one-on-one meetings with both general contractors and engineering firms the following day.
 - ii. Feedback received from both Industry Day and the RFI that Reclamation put out in August is being used to update the Technical Criteria Package and Solicitation docs. As a result of the Industry Day, the Solicitation of a traditional design-build contract has been rescheduled for September 2019 with award in June 2020 after a 2-phase selection process.
 - iii. Many benefits from pushing back procurement schedule, including more time to optimize Intake design with WTP, PNM Facilities Fatal Flaw Analysis, as well as a more balanced time of 30-36 months for construction of the plant. The original schedule allowed for 42-45 months, which had drawbacks for construction.
 - b. WaterCAD Water Age, Start-up Flows, and DBP Bench Test Update
 - i. Reclamation hosted a WaterCAD team meeting in Denver on 2/7/19 to discuss incorporating the NTUA and CoG distribution systems and an initial look at Water Age based on Reclamation's BOD Flow Report.
 - ii. Reclamation issued the Flow BOD Report in October 2018 and did not receive any comments. A focus call was held on 1/31/19 to provide and overview of the report and solicit feedback. This was further discussed with regards to Reclamation's recommendations for start-up flows at the WaterCAD Team meeting. NTUA has agreed to provide written comments by the end of the month
 - iii. Reclamation has completed DBP Bench Testing of 4 samples collected from monsoon runoff, spring runoff, and low turbidity low river flow. The reports are being summarized with recommendations for mitigating DBPs at the WTP and in the downstream distribution systems. The report will be made available to Project Participants in April.

PROJECT WIDE

- 23) Identification of Design Issues to Consider for Issue-Specific Design Focus Calls (PCC)
- a. Focus Call List and Upcoming Focus Calls to be Scheduled
 - i. 2nd SCADA Summit, including Project-wide Security
 - ii. SJL Turnout Design
 - iii. Reach 14 SCADA (NTUA/IHS)
- 24) PINs / Modified PINs
- a. PIN 022.3 – San Juan Lateral Turnout Flows (Handout)
 - b. PIN 024.2 – Water Storage Tank Materials (Handout)
 - c. PIN 038.1 – In-Tank Chlorination Systems, Water Quality Sampling, Pre-use Monitoring, and Tank Penetrations. (Handout)

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- 25) Upcoming PINs / Modified PINs
- a. PIN 021.1 – SCADA (will follow Feasibility Study Update)
 - b. PIN 022.4 – Add Startup Flows for SJLWTP
 - c. PIN 031.1 – Reach Nomenclature will need updated
 - d. PIN 027.1 – Cutter Turnout Flows – update to show startup flows
 - e. PIN 034 – SJ Lateral Storage – revisit due to phasing
 - f. Process Design and Maintenance Software for CLWTP
- 26) Cultural Resources Compliance – Project-Wide (Reclamation)
- a. Programmatic Agreement update: PA Workgroup Meeting held in January 2019 which included:
 - i. A presentation on Block 4c-8 alignment and archaeological site mitigation. This will be sent out for consultation in February, with work anticipated to start in early April.
 - ii. An update on the Tribal Construction Monitoring Program. The TCMP contractor is beginning to schedule OSHA training for the selected monitors and coordinate for them to start monitoring by March/April.
 - iii. A presentation on the Crownpoint Lateral proposed alignment and Class I survey results. SRI plans to begin Class III survey on the alignment this spring/summer.
 - iv. A discussion of potential mitigation measures to help resolve overall project effects to the cultural landscape. Reclamation agreed to set up a tribal only meeting in March to discuss overall mitigation proposals in more detail.
 - v. There will be a NGWSP Session at the Society for American Archaeology annual meeting in Albuquerque this April. Reclamation, the NGWSP CRM contractors, and Tribal consultants will be presenting on the cultural resource compliance program we have developed for the project.
- 27) Environmental Compliance – Project-Wide (Reclamation)
- a. Project-Wide Revegetation Plan
 - i. Project wide revegetation plan is being finalized by Reclamation, Navajo Nation, BIA, and BLM. Reclamation, NN, and BIA met on 2/15 to discuss and draft the final version of the plan and it is now being readied for signatures.
 - ii. Highlights of the revegetation plan include:
 - Pre-construction vegetation surveys of the Reaches/Blocks to document the vegetation communities and percent ground cover.
 - Development of Reach/Block specific re-vegetation plans based upon the pre-construction vegetation surveys. Revegetation plans will include specific seed mixtures, revegetation targets, and special requirements (i.e. fencing). The individual revegetation plans will be developed by Reclamation and the land managing agencies (Navajo Nation, BIA, & BLM).
 - If pre-construction native vegetation ground cover is 25% or greater, Reclamation is responsible for the successful reestablishment of 70% of the pre-construction native vegetation ground cover within 3 years.
 - If pre-construction native vegetation ground cover is less than 25%, Reclamation is responsible for the successful reestablishment of 100% of the pre-construction native vegetation ground cover within 3 years.
 - If the target revegetation is not achieved within 3 years, Reclamation and the project participants will analyze the issues that may have contributed to the lack or progress and will develop a remedy plan (adaptive management methods).
 - iii. Meets Clean Water Act requirements/standards – it is not an enhancement plan.
 - iv. Plan is applicable only to Tribal lands (trust, fee, allotment)

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- b. NEPA Guidance
 - i. Additional Direction for Implementing Secretary's Order 3355 Regarding Environmental Assessments (NEPA EA Memo) was issued August 6, 2018. It is now DOI policy that EAs are no more than 75 pages and be completed within 180 days from initiation of the EA. If an EA is anticipated to be longer than 75 pages or take longer than 180 days to complete, the EA must be entered into a DOI tracking database with a first-line Senior Executive Service Member/Solicitor responsible for the EA. For the purpose of NGWSP environmental compliance, the EA guidance doesn't apply to the NEPA sufficiency process developed in conjunction with the BIA. In instances where new EAs for NGWSP need to be written (Reaches 14.6A, 7A, & 8A, Reach 1 Intake and SJLWTP, etc.) the EAs will need to conform to the directives laid out in the memo. It is anticipated that we will be able to complete future NGWSP EAs under the 75 page and 180 day limits.
 - ii. This new process generally has no impact on NEPA Sufficiency process for NGWSP. It will come into play for areas where an EA needs to be completed (no more than 75 pages and be completed within 180 days).

- 28) Power Transmission (Reclamation)
 - a. San Juan Lateral Status
 - i. NTUA updating work plan;
 - ii. Shiprock to Newcomb construction – summer 2019
 - iii. Working on design of rest of the line
 - iv. Continuing coordination w/ NTUA and WAPA on construction schedule and scopes (areas of responsibility).
 - b. Cutter Lateral (Reaches 22 and 21) Status
 - i. JMEC has finished line to provide power to PP#2
 - ii. On Reach 21, we were delayed in getting ROW from BLM due to gov't shutdown. Will impact Cutter WTP contract.

- 29) SCADA (Reclamation)
 - a. SCADA Summit on 12/20/17
 - b. SCADA Planning Report issued in October 2018 and then resent in January extending the deadline to February 1st. No comments were received.
 - c. The 2nd SCADA Summit meeting has been set up for April 4th at FCCO. Topics will include the Planning Report recommendations, as well as Reclamation IT Security requirements

- 30) Budget / Schedule Discussion (Reclamation)
 - a. FY2019 Budget \$69,603,000 (inc. \$2,200,000 of non-construction (O&M) funding)
 - b. Updating WCE
 - c. NM Cost-Share Update/Status
 - i. 1/31/19 letter from Reclamation approved 27.5 credit request (\$3.6M). Total credit approved to date is now \$12.7M.
 - ii. Reclamation requested that the City submit their requests for credit (as allowed pursuant to Prepayment Agreement) separately from NM.

- 31) Design and Procurement Schedule
 - a. Latest schedule provided (and uploaded to Sharepoint)

- 32) Information Sharing / Public Outreach – Reclamation
 - a. Reclamation now producing a quarterly report to provide information on the Project.
 - b. April 18th – RDC tour

- 33) Action items and assignments – Reclamation
- 34) Schedule next PCC meeting – May 30, 2019

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NGWSP
Water Supply System Monitoring
 1/16/2019

