

**NAVAJO-GALLUP WATER SUPPLY PROJECT
PROJECT CONSTRUCTION COMMITTEE MEETING NO. 43
THURSDAY, MAY 10, 2018 9:00 AM El Moro Events Center – Gallup NM
Conference line number: (866) 784-6450, Passcode: 9982265#
SUMMARY**

- 1) Review and approve agenda (Pat Page) - Approved
- 2) Review and approve February 8, 2018 PCC Meeting Summary *Handout* (Page) - Approved
- 3) Review of PCC Action Item List – *Handout* (Page) –
 - a. NTUA met w/ JAN a couple of months ago to discuss OM&R of Cutter. Reclamation still trying to set up meeting to brief new JAN water commissioners. Will include NTUA in meeting to discuss timing of connections/initial demands.
- 4) Review Agreements Status
 - a. Project Modification MOU revisions – Reclamation to schedule Focus Call for late June 2018.
 - b. WCAO working on draft Cutter O&M Transfer agreement which should be out prior to the POC.
- 5) Other Related Navajo-San Juan NM Settlement Issues (BIA/Navajo Nation) – SEE SLIDES
 - a. Conjunctive Groundwater Use Plan
 - b. San Juan River Navajo Irrigation Projects
Is there any funding available for Hogback Diversion improvements? BIA: there is still funding available for Hogback/Cudei. Use of remaining funds for Hogback Intake Improvements would be up to Navajo Nation.

CONSTRUCTION UPDATE – SEE SLIDES

- 6) Tohlokai Pumping Plant (Reclamation)
- 7) Reach 12B (Reclamation)
- 8) Block 9-11 (Reclamation)
- 9) Reach 22A (Reclamation)
- 10) Reach 22B (Reclamation)
- 11) Reach 21 (Reclamation)
- 12) Reach 27.6, 27.7A, and 27.13 (Gallup)
- 13) Reach 24.1 JAN Stub and Reach 26.1/26.2 (Navajo Nation)
 - a. JAN Stub – pre-con meetings completed and construction starting. Completion Aug/Sep 2018
 - b. 26.1/26.2 – construction starting in Aug/Sep 2018 and scheduled to be complete Aug/Sep 2019

SAN JUAN LATERAL- ISSUES / DESIGN UPDATE

- 14) San Juan Lateral
 - a. PIN 038 – In-Tank Chorline Residual Boosting System (*Handout*) – SIGNED
 - i. COG and NTUA agree that mixers should be included and that they should be opened to any type as there will already be differences
 - b. Connection Plans – PERs updates (Navajo Nation)
 - i. 10 reports – 2 separate groupings. 3 of first group of 5 is out for review. Remaining 2 out this month. Second group – preparing drafts – scheduled to go out in September. Includes water age studies which may need extra time.

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- Probably available end of the calendar year.
- Looking like additional \$ won't be available for connections. Need to start looking at how these could get funded.
- c. Reach 10.1, 10.2, and 10.3 (Navajo Nation)
 - i. PIN 040 – Modification of Crownpoint Lateral (*Handout*)
 - PCC concurs with recommendation; will incorporate minor edits and re-send to PCC (along w/ handouts) and then take around for signature
 - d. PIN 022.3 – San Juan Lateral Turnout Flows (*Handout*)
 - i. Need completed by the of July
 - ii. Add statement that the SJWTP loss was estimated at 10% and is now estimated to be 6%
 - iii. State of NM needs to sign off on flows and potential return flows
 - iv. Could need additional flow rate phases
 - v. John Leeper to send projections based on SMA's work
 - vi. Further discussions at POC
 - e. Reach Nomenclature – PIN 031 will need updated - forthcoming
 - f. Pumping Plant Names (*Handout*) – Proposed names by NNHHPD were presented. Seemed to be consensus from PCC on the names. Focus for now will be on those pumping plants that Reclamation is constructing. Reclamation will develop a PIN to document.
- 15) Reaches 12.1/12.2 – Status/Schedule
- a. Design Update
 - i. SpecB (100% Design) was delayed as we worked through some constructability issues with wash crossings and avoiding cultural resources, it's now planned for May 25th
 - ii. Solicitation: Scheduled for September 10th; dependent on completing ROW acquisition across private parcels on Reach 12.1
 - iii. Contract Award: January 2019
 - iv. 2 NTPs will be issued:
 - 1) Reach 12.1
 - 2) Reach 12.2 and Black Hat Tank
 - v. Construction could begin in February/March 2019 (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 by time of 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; negotiating on 5 others.
 - c. Reach 12.2 – Nearing completion of ROW packages for submittal in next month or two.
 - i. Tribal Trust – ROW application submitted to NN 8/30/17; anticipate consent from the Nation in next month or so. Then will be submitting to BIA.
 - ii. Tribal Fee – ROW application submitted to NN 8/30/17; anticipate ROW grant from the Nation in next month or so.
 - iii. Allotted – 2 parcels granted by BIA on 6/12/17; Reclamation will submit ROW application to BIA for small crossing on remaining allotment 1625 by the end of the month.
 - iv. Private – Working on final plats; plan to have ready to submit to appraiser by end of June. 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. We are making progress, including proposing that

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- NMDOT would be responsible for relocation costs should they need to improve/relocate the highway, which should address NTUA's main concerns. We've met with them a few times over the last few months and provided alternate permit language to NMDOT last week and are awaiting their response.
- v. State – Plan to submit ROW application to State Lands Office this summer.
 - vi. Reach 12.3 – IHS update to their feasibility plan was received on April 2nd. This reach that was added with funding from the original Reach 14, documented with PIN 014.2, is under consideration in PIN 040 to be included in an FAA with the NN.

16) Block 4C-8 – Status/Schedule

- a. Design & Procurement Update
 - i. 60% Design (Design C) milestone was completed on 2/23/18. Drawings were shared with Project Participants thereafter for review. We received comments from NTUA on April 9th.
 - ii. 90% Design (Spec D) milestone is planned for September 10th and the Review C will be in Farmington the week of October 22nd. This date was moved to allow Reclamation to obtain extra topo and cultural resources surveys prior to the 90% design. Chico sent out an updated invitation yesterday.
 - iii. Solicitation is planned for March 2019
- b. ROW Update
 - i. All ROW is across Navajo Tribal Trust land; Plats are undergoing final revisions for submittal to NN, which is expected by June 1st.
 - ii. Reclamation is evaluating 6 locations where the alignment would need to fall in the Hwy 491 ROW to avoid residential areas, significant cultural resources, and constructability issues.

17) Pumping Plants #4 and #7

- a. Design & Procurement Update
 - i. Spec D (90%) plans and specs were provided to the Project Participants on March 20th and the Review C was held at FCCO the week of April 23rd. Reclamation is now working on incorporating comments from the ReviewC towards a 100% spec. package in early July.
 - ii. Solicitation is 2 years out, scheduled for the summer of 2020.
- b. ROW Update
 - i. All ROW is across Navajo Tribal Trust land.
 - ii. ROW granted by BIA 1/16/2018 for PP #7, which also acts as a staging area for the Block 9-11 construction.
 - iii. Reclamation is working with BIA Roads on the driveway permit for PP #7.
 - iv. The plat for PP #4 will be developed in June, as the pumping plant yard may be used as a staging area for the Block 4c-8 construction.

18) Reach 27 (City of Gallup) – Status/Schedule

- a. 27.9 – received \$2.5M from State Trust Board. Looking to go to bid this fall
- b. 27.10/11 –
- c. 27.12 – about 2 years out
- d. 27.7b – ROW packages are all in place; going through approval process

19) Reach 14 (Indian Health Service)

- a. Reaches 14.1 and 14.2 – Status/Schedule
 - i. Received ROW for entire reach (Kudos to Rudy for birddogging)
 - ii. 90% design is complete; will be sending out 5/11. Will be uploaded to Sharepoint. Will be seeking comments w/in 30 days
 - iii. IA will be expiring – need to extend
 - iv. Request for reimbursement will be coming
- b. Reaches 14.6a, 14.7a, 14.8a – Status/Schedule

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- i. No updates

CUTTER LATERAL

- 20) Reaches 26.1/26.2 and 26.3 Status/Schedule (Navajo Nation)
 - a. 26.3 design – will be sending 90% by end of May.

WATER TREATMENT

- 21) Regulatory Issues
 - a. Next Meeting scheduled for 6/21/2018
 - b. Waiting for updated White Paper from regulators – if no White Paper provided prior to the meeting, the meeting may be rescheduled
 - c. Comments on List of Service Communities – these need to be put on SharePoint
 - d. Definition of a “turnout” – on agenda for next meeting – need to define the difference between a “turnout” and a “point of compliance”

- 22) San Juan Lateral Water Treatment Plant and Intake Structure
 - a. Design Status Update
 - i. Project has been split into the intake/settling ponds and intake pumping plant (Reach 1) and the pipeline between the intake and the WTP (Block 2-3), including the HDD crossings under the SJR and Chaco Wash.
 - ii. Hogback Facility Condition Assessment
 - Final Report for initial assessment was sent to Project Participants on October 6. The final report had several recommendation for further investigations and cost estimating.
 - Reclamation shared the initial 1st installment of those additional studies on May 2nd with Project Participants for the Hogback Headworks Improvements. The report includes 4 options to improve O&M cleanings at the trash rack, two of which would involve manual cleaning but with safety and more efficient improvements, and 2 options that include the addition of trash rakes. Comments are requested by May 31st.
 - The 2nd installment for evaluating the condition of the concrete structures and bridges at the headworks will be shared with Project Participants in the next week or so.
 - Reclamation is beginning construction of the physical model of the SJR upstream of the Hogback Diversion Dam, which will be used to evaluate options for minimizing debris on the right side of the river at the trash rack, both large that could damage the trash rack and small that increases maintenance needed. Testing will begin in late June and a tour will be provided in July to Project Participants interested in seeing the model in action. Invites will be provided in June.
 - Comments due by end of the month
 - Include NN DWR (Francis) in discussions about the trash rack options
 - b. Reach 1, including SJL Intake
 - i. Reclamation is in the process of the initial 30% design, looking at 2 options for settling ponds and sediment removal prior to piping the diverted runoff to WTP. Site 1 located directly south of the existing fish weir and Site 2 between the waste way and farmland to the west are being considered. 2 different design concepts of settling are being evaluated as well and Reclamation is planning on conducting a pilot test of plate settlers later this year, as a potential alternative to conventional ponds that may offer a more efficient means to remove sediment and return it to the river. We will be setting up a focus call in late June or early July to discuss these 2 concepts with the Project Participants

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- ii. The 30% design milestone is scheduled for 12/3/18 and the VE Study is planned for the week of January 28th in Farmington.
- iii. Hogback Irrigation Canal Sediment Flushing Testing and Bathymetry is continuing to progress from the survey work completed this past winter.
- c. Block 2-3 (Intake to WTP)
 - i. The alignment has been finalized with the exception of evaluating the river crossing location based Intake Sites 1 and 2.
 - ii. NAPI Turnout will be located at the end of Reach 2 on the north side of N36.
 - iii. The 30% design milestone is schedule for June 25th and the VE Study is planned for the week of August 27th at FCCO.
- d. San Juan WTP Stakeholder Project Requirements
 - i. SPR Draft was distributed on 11/22/17 for review and comment
 - ii. SPR Meeting on 12/1/17 for SPR Overview
 - iii. Comments Received from DePauli/Gallup and NTUA in January
 - iv. Reclamation had a follow-up meeting with the Project Participants on April 11th in Gallup. The results from that meeting have been incorporated into the SPR and a final version will be shared with Project Participants next week. We're requesting a quick turnaround of 1 week accepting the final version or providing any remaining comments.
- e. SJL WTP Performance Specs being developed. Currently between the 30% and 90% phase; RFI will be issued in June to obtain industry feedback on Reclamation's traditional design-build procurement process; 90% specs to be completed by 8/13/18 which will be shared with Project Participants and public for comment; Industry Day will be held in mid-September either in Albuquerque or Farmington; Solicitation of a traditional design-build contract is scheduled in January 2019
- f. 404(b)(1) Status
 - i. Work Complete
 - Award of contract to EMI for biological surveys, Environmental Assessment, and Clean Water Act permitting documents.
 - Biological Evaluation (BE) is complete, pending additional fieldwork for reroutes
 - CWA permitting documents:
 - Literature review is complete
 - CWA 401/404 applications – about 30% complete; waiting on final design and alignments to move forward (i.e. crossing Chaco Wash)
 - Ongoing Work
 - Reclamation Environmental Staff continues to work with design engineers to establish final footprints and alignments of the San Juan Lateral WTP and connecting pipelines. This information is necessary for EMI to complete the biological surveys, EA, and CWA permitting documents.
 - Reclamation Environmental Staff is coordinating with FWS, Navajo Nation EPA, and USACE to ensure the data being collected by Reclamation and EMI will be sufficient for them to complete their reviews and issue their associated decisions/permits.
 - Coordination meeting with EMI scheduled for May 14th to discuss progress and what Reclamation can provide in the interim to keep them actively working on environmental documents.
 - ii. Still to be Completed
 - Biological Assessment – EMI is waiting on Reclamation for additional information so they can begin their assessment of project impacts on T&E species in the project area. Need information on intake design for endangered fish.
 - Environmental Assessment – EMI is waiting on Reclamation for additional information to prepare the EA. Information in the EA is

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- dependent upon the results of the BE, BA, and final design and location data. Need preferred alternative.
- CWA 401/401/402 applications:
- EMI requires additional design data (intake and associated in-water repairs/upgrades) for the preparation of alternative analysis for the USACE decision document.
- Wetland mitigation plan
- 402 permit has not been started; too early in the process
- SWPPP has not been started; too early in the process
- iii. Projected Timeline
 - Agency Review Timelines
 - USACE permits – 3 month review and approve
 - FWS BO – 3 month review and approval
 - NNEPA 401 Certification – 2 month review and approval
 - Reclamation EA & FONSI – 45 day review and approval
 - August 2018 – Preferred Alternative Selected and design data complete. Information provided to EMI to begin work finalizing surveys and reports
 - November 2018 – Environmental Assessment and other associated documents/permits applications due to Reclamation
 - February 2019 – Submission of documents to FWS, USACE, NNEPA
 - April 2019 – Completion of Environmental Compliance/Permits
- g. Water Quality Monitoring/Analysis Update
 - i. Request to have Julie Korak give presentation to PCC (maybe after next PCC)
 - ii. Update on Hach Meter. The low-range probe is in service at USGS stream gage at Fruitland Bridge and real-time data is available on website. USGS is still troubleshooting the high-range probe turbidity/TSS to make data available real-time on website.
 - iii. Weekly grab sample monitoring continues at Hogback Diversion headworks.
 - iv. 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 analyzed data collected during the 2017 monsoon and will be presenting our findings in June at the Animas and San Juan Rivers Environmental Conference.
- h. Hogback Coordination / MOU Update - none

PROJECT WIDE

- 23) Identification of Design Issues to Consider for Issue-Specific Design Focus Calls (PCC)
 - a. Upcoming Focus Calls to be Scheduled
 - i. Storage Tank Pipe Penetrations
 - ii. Project-wide Security System
 - iii. Reach 14 SCADA – NTUA will coordinate setting up focus call – Priority call
 - iv. MOU Call
- 24) Cultural Resources Compliance – Project-Wide
 - a. Block 9-11 archaeological fieldwork is complete and the final Reach 9 mitigation report is out for consultation. Expected to have clearance by May 18th, with Reach 9 construction starting the week of May 21st. Archaeological monitors are already out working on Reaches 10 & 11, and they will begin working in required areas on Reach 9.
 - b. PA Workgroup meeting scheduled for June 13th & 14th, 2018 in Gallup, NM. The first day will consist of site visits to the Crownpoint Lateral. Since the Crownpoint Lateral is in its early design stages and the alignment has not been archaeological surveyed, the site visits will focus on previously recorded sites in the general area. The purpose is to give the consulting parties a representative overview of the archaeological site types found in

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the area so they know what to expect when it comes time to consult on the Crownpoint Lateral.

- c. Sites on Reach 12.1 & 12.2 are expected to undergo mitigation (testing & data recovery) later this summer in preparation for pipeline construction in 2019.
- d. Realignment surveys on Block 2 & 3 and 4c-8 will take place this summer.
- e. The Tribal Construction Monitoring Program is getting close to award. Reclamation received a proposal back and will be entering into negotiations. Reclamation plans to have the program up and running before the end of FY18.

25) Environmental Compliance – Project-Wide

a. Project-Wide Revegetation Plan

- i. Reclamation submitted a final draft of the NGWSP Re-vegetation Plan to the Navajo Nation and BIA. After submission, Reclamation became aware of updated standards for re-vegetation in the 2017 EPA Construction General Permit. For arid and semi arid lands, the permit holder only needs to seed or replant for 70% re-vegetation as opposed to obtaining 70% re-vegetation before the permit can be closed out. This update won't change Reclamation's commitments for overall re-vegetation on the NGWSP ROWs, but it will allow us to close out the permits once re-seeding is done and avoid mandatory monthly inspections under the SWPPP. BIA and Navajo Nation requested that Reclamation update the Re-Vegetation Plan to account for the 2017 CGP guidelines and submit a new draft to them by 5/18/18. BIA and Navajo Nation will then meet in June to review the final NGWSP Re-Vegetation Plan and provide comments back to Reclamation as necessary.
- b. Reclamation continues to make progress on the re-seeding and erosion control on Reach 12A.
- c. Reach 12B and Tohlakai Hill PP will be re-seeded later this year.
- d. This summer Reclamation will issue a task order for biological surveys of Reach 4c-8. The biological surveys will be used to complete the NEPA sufficiency review of 4c-8 which will be consulted upon with the BIA and Navajo Nation. The task order will also feature CWA surveys and permitting.
- e. Reclamation is in the process of awarding a Cooperative Agreement with Conservation Legacy/Southwest Conservation Corps for vegetation surveys of Reach 4c-8. The fieldwork is expected to be conducted between July and October. The vegetation surveys are part of the NGWSP Re-vegetation plan to document the existing vegetative communities along the project ROW prior to construction. The information will be used to set re-vegetation targets and seed mixtures once construction is complete on a particular Reach.
- f. Reclamation is looking into 402 Discharge Permits for tank sites, pumping plants, and water treatment plants. In talking with the EPA there are a few options on the table. Reclamation will prepare a presentation on the various alternatives and present the information to NTUA to determine the best way forward.
- g. San Juan Intake, San Juan WTP, and Block 2&3 has started environmental compliance reviews. See separate sheet for full notes on progress and expected work.

26) Power Transmission (Reclamation)

a. San Juan Lateral Status

- i. Working on Power Supply Agreement with WAPA and NTUA – identifying projected demand rates.
- ii. NTUA completing environmental compliance work on 115kV line
- b. Cutter Lateral (Reaches 22 and 21) Status
 - i. FEUS completed work for power to PP#1
 - ii. JMEC working with BLM to get clearances/ROW for PP#2 and WTP power

27) SCADA

- a. Feasibility Study Update – status

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- i. SCADA Summit on 12/20/17
 - ii. The Feasibility Study updates and amended PIN 021 will be shared with Project Participants towards the end of the month.
 - iii. Reclamation has been working with NTUA on design of the SCADA for both the Cutter and San Juan Laterals, including how data will be transmitted from the downstream facilities back to each pumping plant.
 - iv. Need to schedule a focus call for Reach 14 SCADA
- 28) Budget / Schedule Discussion
- a. FY2018 Budget: \$67,797,000 (inc. \$118,000 of non-construction (O&M) funding)
 - b. FY2019 President's Request: \$69,603,000 (inc. \$2,200,000 of non-construction (O&M) funding)
 - c. Updating WCE – Need to set up meetings with NM and JAN
 - d. NM Cost-Share Update/Status
 - e. FY2018 3rd Quarter Billing – Payment Due May 11, 2018
 - f. Design and Procurement Schedule - *Handout*
- 29) Information Sharing / Public Outreach – Page
- a. NGWSP presentation to District 14 Chapters on May 29, 2018
 - b. Regulatory Group Mtg / POC Mtg June 21, 2018
 - c. Next Cutter Lateral / BBN9 Mtg June 27
 - d. Next 491 Chapter Mtg – August 7th
 - e. Looking to schedule tour / briefing for NN RDC in next couple of months
 - f. Consider bring the NGWSP tabletop game to one of the next meetings
- 30) Action items and assignments – Page
- 31) Schedule next PCC meeting – August 16, 2018 at the El Morro