

**NAVAJO-GALLUP WATER SUPPLY PROJECT  
PROJECT CONSTRUCTION COMMITTEE MEETING NO. 44  
THURSDAY, AUGUST 16, 2018 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) - *Approved*
- 2) Review and approve May 10, 2018 PCC Meeting Summary *Handout* (Reclamation) - *Approved*
- 3) Review of PCC Action Item List – *Handout* (Reclamation) – *Reviewed*
  - a. *Reclamation still needs to schedule a focus call on the proposed revisions to the Project Modification MOU, but the delay in setting up the meeting is not impacting decisions or schedules at this point.*
- 4) Other Related Navajo-San Juan NM Settlement Issues (BIA/Navajo Nation) – *Powerpoint Presentation*
  - a. *Conjunctive Groundwater Use Plan*
  - b. *San Juan River Navajo Irrigation Projects – BIA stated that it would be up to the Navajo Nation to request money that is designated for Hogback Canal improvements to be used towards Intake improvements identified as part of the Hogback Canal Facility Condition assessment. Navajo Nation stated that they needed more information from the ongoing assessments before they were ready to propose anything.*

**CONSTRUCTION UPDATE** – Powerpoint Presentations

***ACTION ITEM: Reclamation to create a “Complete to Date” slide to show those construction contracts that have been closed out.*** *It was noted that, even though a construction contract has been closed out, until the feature/reach has been transferred to O&M status, it is still on the construction rolls and therefore still gets charged Project-wide indirect costs.*

- 5) Tohlokai Pumping Plant (Reclamation)
- 6) Reach 12B (Reclamation)
- 7) Block 9-11 (Reclamation)
- 8) Reach 22A (Reclamation)  
*BIA requested As-Built drawings for those areas of Reach 22A that are located near NIIP facilities.*
- 9) Reach 22B (Reclamation)
- 10) Reach 21 (Reclamation)
- 11) Reach 27.6 (Gallup)

**SAN JUAN LATERAL- ISSUES / DESIGN UPDATE**

- 12) San Juan Lateral (Reclamation)
  - a. Connection Plans (Navajo Nation)
    - i. *Connection Plan Summit Summary - Representatives from NNDWR, NTUA, IHS, and Reclamation attended. Objectives for the meeting were: 1) Get the most updated information available on connections; 2) Get affirmation that ranking and “hard deck” status is still accurate; and 3) Develop strategies to deal with funding shortfall. SMA and Reclamation have provided updated cost information for the connection plan table. NN DNR has suggested that economic development and the potential for economic development be included in the ranking. Reclamation stated that one plan for source of funding has always been to apply savings from the Project towards connections; however, it is becoming increasingly apparent that if there are any savings, they will be minimal at best. NN identified several potential funding sources including Conjunctive Groundwater funds (possibly to fund designs of those connections in the hard deck); San Juan Water Development Trust Fund; and the Síhasin Funds. Next steps – continue to update list and seek funding sources. Also continue to update ranking process including incorporating SMA’s “water stress criteria” and including economic development potential.*

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- ii. PER's status updates – *All of the initial five PER's have been drafted. Currently working on water age studies.*
    - b. Beacon Bisti / N9 Lateral – *FAA is going through the Navajo Nation's approval process. Will be going to three committees next week for approval. There's a preliminary alignment but it may be modified due to hydraulics and cultural resources.*
    - c. PIN 041 – San Juan Lateral Pumping Plant Names (*Handout*) – *PCC approved. All signatures were provided except for Jicarilla Apache Nation who was not in attendance.*
- 13) Reaches 12.1/12.2 – Status/Schedule (Reclamation)
  - a. Design Update
    - i. *SpecB (100% Design) milestone was met on June 7th. FCCO is currently reviewing the updated spec. package.*
    - ii. *Solicitation: Originally planned for September is being pushed back to November to allow for ROW acquisition of several private parcels on Reach 12.1 to be completed.*
    - iii. *Contract Award: March 2019*
    - iv. *2 NTPs will be issued:*
      - *Reach 12.1*
      - *Reach 12.2 and Black Hat Tank*
    - v. *Construction could begin in April/May 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 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; negotiating on 5 others.*
    - ii. *Reach 12.2 – Nearing completion of ROW packages for submittal in next month or two.*
      - *Tribal Trust – ROW application submitted to NN 8/30/17; received Tribal resolution 6/28/18. ROW application was submitted to BIA Crownpoint 7/17/18.*
      - *Tribal Fee – ROW grant received 7/20/18.*
      - *Allotted – 2 parcels granted by BIA on 6/12/17; Reclamation submitted the ROW application on Allotment 1625 to BIA Crownpoint 7/23/18.*
      - *Private – Final plats are under review; plan to submit to appraiser in September. 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 identifying that the DOT 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 several months and provided alternate permit language to NMDOT last week and are awaiting their response.*
      - *State – Plan to submit ROW application to State Lands Office in next week or so.*
- 14) Block 4C-8 – Status/Schedule (Reclamation)
  - a. Design & Procurement Update
    - i. *60% Design (Design C) milestone was completed on 2/23/18.*
    - ii. *90% Design (Spec D) milestone is planned for September 10th and the Review C will be in Farmington the week of October 22nd. Reclamation successfully used drones to collect topo on a realignment on Reach 6 in June and that extra topo,*

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*along with an upcoming cultural resources survey will be incorporated into the design after the 90% milestone. Invites for the Review C were sent out in May.*

- iii. *Solicitation is planned for March 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 NNLD is completing obtaining grazing permittee consents (1 to go) and then the application will enter the 164 process.*
    - 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. Further discussions with NMDOT are planned within the next month on the specifics of each ROW encroachment.*
- 15) Pumping Plants #4 and #7 (Reclamation)
- 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 by the end of the month.*
    - 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 is also acting as a staging area for the Block 9-11 construction.*
    - iii. *The plat for PP #4 will be developed in September, as the pumping plant yard may be used as a staging area for the Block 4c-8 construction.*
- 16) Reach 27 (City of Gallup) – Status/Schedule
- a. *27.7B – Tribal Trust and Allotment easements have been acquired. Working towards 30% design.*
  - b. *27.9 - \$2.5M Water Trust Board Grant has been obtained. Hoping to advertise in November 2018; construction start in January 2019.*
  - c. *27.10 – 90% design by mid-Sept 2018*
  - d. *27.11 – 30% design March 2019*
  - e. *27.12 – 60% design March 2019*
  - f. *Cultural Resources – consultation out to Programmatic Agreement Workgroup on August 2, 2018, for 27.11 (testing) and 27.10 (data recovery).*
- 17) Reach 14 (Indian Health Service)
- a. *Reaches 14.1 and 14.2 – Status/Schedule – ROW has been obtained. Currently going over 401 and 90% design comments. Considering breaking construction into 2 phases – currently evaluating schedule and construction costs.*
  - b. *Reaches 14.6a, 14.7a, 14.8a – Status/Schedule – IHS finishing construction staking. Looking at sharing alignment with another project for cost-sharing.*

**CUTTER LATERAL**

- 18) Reaches 26.1/26.2 and 26.3 Status/Schedule (Navajo Nation)

**WATER TREATMENT**

- 19) Regulatory Issues (Reclamation)
- a. *Next Meeting scheduled for 9/26/2018*
  - b. *Waiting for updated White Paper from regulators*
  - c. *Comments on List of Service Communities*

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- d. *Definition of a “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.*

20) Intake Structure

- a. 30% Design Concepts – *Presented by Chou Cha, TSC*
- b. Facility Condition Assessment –
  - i. *Final Report for initial assessment was sent to Project Participants on October 6. The final report had several recommendations for further investigations and cost estimating.*
  - ii. *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 efficiency improvements, and 2 options that include the addition of trash rakes. Comments were received from NTUA.*
  - iii. *The 2nd installment for evaluating the condition of the 3 bridges will be shared with Project Participants by the end of the month.*
  - iv. *Reclamation is currently also evaluating the condition of the concrete at the Headworks, including assessing the original concrete placed in the 1930s at the radial gates. We have a meeting scheduled in Denver next Wednesday to discuss this further with TSC’s engineers and should have an update when the Bridge Assessment is issued.*
- c. Intake Hydraulic Model
  - i. *Reclamation has completed 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 has begun and a tour will be provided in September to Project Participants interested in seeing the model in action.*
- d. Pilot Study for Plate Settler
  - i. *Currently in procurement to contract with consultant to run Pilot Test. Pilot to become operational in November and run through the end of September 2019. If viable, Plate Settler design will be incorporated into SJL Intake specs prior to bid solicitation.*
- e. 404(b)(1) Status – *Work is ongoing. Coordinating with Army Corps of Engineers and US Fish & Wildlife Service*
- f. Water Quality Monitoring/Analysis Update
  - i. *Update on turbidimeters at Fruitland Bridge. The low-range probe is in service at USGS stream gage 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, but data is being provided to Reclamation.*
  - 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 analyzed data collected during the 2017 monsoon presented those findings in June at the Animas and San Juan Rivers Environmental Conference. A focus call will be set up in the next month to share the results with Project Participants.*
- g. Hogback Coordination / MOU Update – *waiting for Facility Condition Assessments*

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- 21) Block 2-3 Design Status
- a. *The 30% design milestone has been met and the 30% drawings were sent to Project Participants on July 9th. Comments are due on August 17th. Kudos to NTUA (JimM) for already providing their comments.*
  - b. *VE Study will be held in Farmington 8/27-8/30*
  - c. *Dex Lewis has sent out invites for ConceptC briefing on Monday morning and the VE Team's Debriefing on Thursday afternoon.*
  - d. *We have reps from NTUA and COG that will be on team, but looking to see if DWR is going to have a rep.*
- 22) San Juan Lateral Water Treatment Plant and Intake Structure (Reclamation)
- a. *Design/Build Contract Pre-Solicitation Industry Day - SJL WTP Performance Specs being developed. 90% specs to be completed by 8/24/18 which will be shared with Project Participants and public for comment on that day as part of a pre-solicitation package that includes an RFI regarding Reclamation's traditional design-build procurement strategy; Industry Day has been scheduled for September 26-27, 2018, in Albuquerque. Solicitation of a traditional design-build contract is scheduled in January 2019*
  - b. **SPR comments**
    - i. *SPR Draft was distributed on 11/22/17 for review and comment. SPR Meeting on 12/1/17 for SPR Overview. Comments Received from DePauli/Gallup and NTUA in January 2018, and a 2nd version was distributed for comment on March 14, 2018. Reclamation had a follow-up meeting with the Project Participants on April 11, 2018, in Gallup and made revisions accordingly. A 3rd version was then distributed on May 21, 2018. Reclamation received final input and finalized the SPR on August 14, 2018. The results are being incorporated in the current TCP.*

**PROJECT WIDE**

- 23) Identification of Design Issues to Consider for Issue-Specific Design Focus Calls (PCC)
- a. **Upcoming Focus Calls to be Scheduled**
    - i. *Project-wide Security*
    - ii. *Reach 14 SCADA (NTUA/IHS)*
    - iii. *Intake Structure 30% Design Concepts (TSC)*
    - iv. *San Juan River Water Quality Study*
- 24) Upcoming PINs / Modified PINs
- a. *PIN 022.3 – San Juan Lateral Turnout Flows*
  - b. *PIN 021.1 – SCADA (will follow Feasibility Study Update)*
  - 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. *PIN 24.2 – HDPE or Geotextile linings under concrete tanks*
  - g. *Tank Penetrations*
  - h. *Maintenance Software for Cutter*
- 25) Cultural Resources Compliance – Project-Wide (Reclamation)
- a. *Programmatic Agreement update – next PA Workgroup Meeting to be scheduled for late October / early November 2018. Will include a tour of Reach 12.1/12.2.*
  - b. *New ID/IQ contract in place. New task orders being awarded.*
  - c. *New PA Program Mgr contract to be awarded by end of fiscal year 2018, as will Tribal Construction Monitoring contract.*
  - d. *Reclamation currently re-assessing Traditional Cultural Properties (TCPs) to make sure we haven't overlooked anything. Discussions ongoing to fund a TCP Coordinator within the Navajo Nation.*

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- e. *We've been using Reclamation's Navajo Outreach Coordinator to conduct public outreach.*
  - f. *Toured Crownpoint Lateral at last PA Workgroup Mtg. Very large and important sites in that area. As a result, considering putting alignment within the Navajo Highway 9 ROW to protect cultural resources.*
  - g. *There was a recent incident during construction of Block 9-11 when earthwork took place without archaeological monitors present. Reclamation takes full responsibility for this action and has taken steps (both internally and with the Block 9-11 contractor) to ensure this doesn't happen again. Reclamation and contractor reps will attend the PA Workgroup Mtg to describe what happen and to answer any questions that the PAWG may have.*
- 26) Environmental Compliance – Project-Wide (Reclamation)
- a. Project-Wide Revegetation Plan
    - i. *Final presentation will be on 8/17/2018 to BIA and Navajo Nation. BLM will also attend. Expect to sign off on plan by end of year.*
  - b. *New NEPA guidance – Secretary issued new requirements to streamline Environmental Assessments (EA's). Reclamation is currently assessing to see if this impacts the NGWSP NEPA Sufficiency Review process which has been established for the Project.*  
***ACTION ITEM: Reclamation will post Secretarial Memo on Sharepoint and will give presentation to Project Participants to present potential impacts (if any) to NEPA Sufficiency Review process.***
- 27) Power Transmission (Reclamation)
- a. *San Juan Lateral Status – NTUA completing environmental compliance work on 115kV line that will also serve NGWSP. Reclamation, Western Area Power Administration, and NTUA negotiating Power Supply Agreement – focusing now on determining “block” size that power will be provided from WAPA to NTUA.*
  - b. *Cutter Lateral (Reaches 22 and 21) Status – Jemez Mountains Electric Cooperative (JMEC) working with BLM on ROW. Farmington Electric Utility Association has completed their work to serve Pumping Plant #1.*
- 28) SCADA (Reclamation)
- a. Feasibility Study Update – status
    - i. *SCADA Summit on 12/20/17. The Feasibility Study updates and amended PIN 021 will be shared with Project Participants towards the end of the August 2018. 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.*
- 29) Budget / Schedule Discussion (Reclamation)
- 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 – Navajo Nation, City of Gallup, and New Mexico Interstate Stream Commission have been briefed on the updated WCE (Oct 2017 price level). Briefing for Jicarilla Apache Nation will be scheduled. Work to update to October 2018 price level will be kicking off soon.*
  - d. *NM Cost-Share Update/Status – Reclamation currently completing review of Project 4 cost-share share credit submittal.*
  - e. *Design and Procurement Schedule – no updates since last PCC meeting.*
- 30) Information Sharing / Public Outreach – Reclamation
- a. *Reclamation will have an information booth at the Window Rock fair, September 5-8, 2018.*

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- 31) Action items and assignments – Reclamation
- 32) Schedule next PCC meeting – *November 18, 2018*