

## Core System Rocky Boy's / NCMRWS Engineering Report Coordinating Committee

February 23, 2016



## Summary

- AFA 15
  - WTP Land Transfer/WAPA - Billings
  - Core Pipeline
  - Tiber Raw Water Pipeline Final Design Done
- AFA16
  - Priority Projects
  - 2016/2017 Outlook
  - Business Plan
- Newsletter
- Financial Report



## 2015 Annual Funding Agreement

- AFA 2015 = \$10,891,000 (Sept 2015)
  - 64% = \$6.971M (Tribe)
  - 36% = \$3.921M (NCMRWA)
- Priority Projects
  - Rocky Boy WTP Value Engineering
  - Construction Segment #0 Core Pipe
  - Construction Raw Water Pipeline



## Rocky Boy's Water Treatment Plant



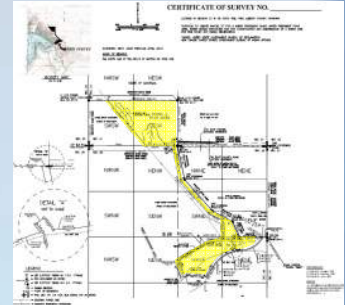
## Water Treatment Plant Land Transfer

- BoR Meeting on December 17, 2015 in Billings
  - Updated Property Plan, Tribal Resolution



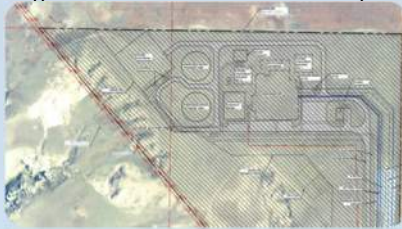
## Land Transfer Moving Forward

- Updated Maps submitted to BoR for review.
- COS Updates
- Legal/Easements Descriptions
- Transfer Process
- Land Transfer

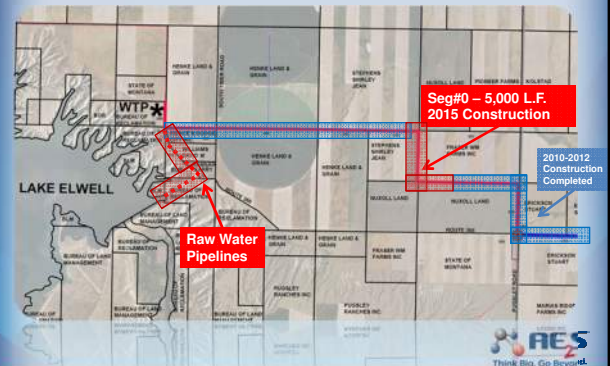


## Western Area Power Administration

- WAPA Meeting on December 17, 2015 in Billings
  - Electrical Demands & Future Substation
  - Waiting on WAPA Interconnection Study



## 2016 Core Pipe & Raw Water



## Core Pipeline 2015

- Segment #0 Pipe Filling
  - Coordinated with Tiber CWD
  - Super-Chlorinated Water
  - Completed on November 22, 2015



Super-Chlorination



Tiber CWD Connection



## Pressure Testing

- Two Sections – Successfully Tested!
  - East Completed – December 16, 2015
  - West Completed – December 29, 2015



CCCC- Pressure Test



Pressure Testing Equip.



## Core Pipe - Cathodic Protection

- CP Start-up of Segment #0
- Segments #0 - #3A Verified NACE Protected



Casing Pipe Test Station



Continuity Testing



## Segment #0 – Completion

- Punchlist Walkthrough
  - Performed on January 5, 2016
- Substantial Completion
  - Issued on January 7, 2016



CP Test Station

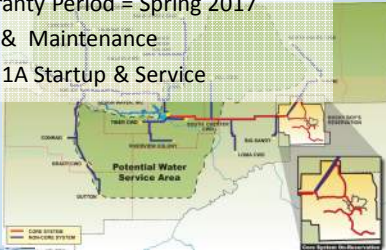


Air Release Valve



## Core Pipe – Moving Forward

- Final Completion Certificate = Spring 2016
- 1-Year Warranty Period = Spring 2017
- Operations & Maintenance
- WTP Phase 1A Startup & Service

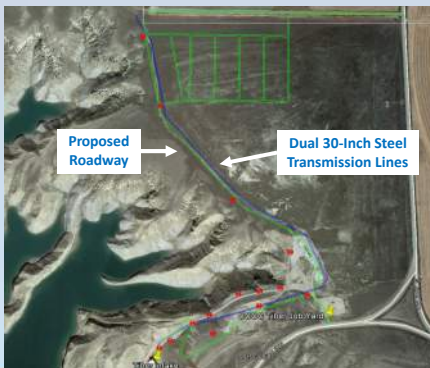


## TSRWS Closeout

- ✓ Pipe procurement Segment #0
- ✓ Draft Final Report Has Been Accepted
- ✓ Final materials
- ✓ Final invoices
- ✓ Material Reimbursement
- ☐ Admin Reimbursement
- ☐ Addendum #1 for Rick Duncan



## Tiber Raw Water Pipeline



## Design Complete

- Final Design Complete
  - February 2016
- Key Feature
  - 2 miles + of 30" Steel Main
  - Emergency Valve Vault
- Construction Begins
  - Spring 2016



## Northwest Pipe Company Tour



Steel Coil



Spiral Welding



## Northwest Pipe Company Tour



Sand Blasting



Polyurethane Coating



## Construction Schedule

- Design Start = September
- Pipe Bidding/Award = October/Nov.
- Final Design Complete – February
- Pipe Fabrication – Feb/March
- Start Construction – BoR Approval
- Delivery Date – April 15 (BoR Payment)



## WTP Phase 1A Business Plan

- Tribe/CCCC authorized plan development
- Public/Private Financing Options
- Funding Gap Analysis
  - Capital Costs/O&M Expenses/Water Revenues
- Innovative Funding Sources
  - Private Bonding
  - WIFIA
  - Water Smart Grants
  - USDA - RD
  - New Market Tax Credits
  - WILA
  - WASACT





## Reserve/Replacement Assumptions

Reserve/Replacement Account	Core System	Non-Core System	Recommended Period
10% - 25% of Annual O&M Budget	Yes	Yes	1-3 yrs
10% of WTP Replacement Cost	Yes	Yes	20-30 yrs
Core Pipeline Replacement (1 Segment)	Yes	Yes	30-50 yrs
Core System SCADA	Yes	Yes	10 yrs
On-Reservation SCADA System	Yes	No	10 yrs

- Joint Advisory Board Topic



## 2016 Funding Announcement

### • AFA 2016

- President's Budget = \$4.625M
- Rural Water Supply Program = \$8.47M
- TOTAL = \$13.095M**
- Core System (64%) = \$8.38M
- Non-Core System (36%) = \$4.71M
- Thank you to Congressional Delegation



## 2016 Core System Priorities

- Annual Funding Agreement
  - Under Development
  - Phase 1A Water Treatment Plant Design/Construction
  - Raw Water Infrastructure
  - Core Pipe Meter Buildings



3D Revit Rendering of WTP Phase 1A



## Funding Development

### • FY17/FY18 Funding Needed

- Phase 1A WTP Design & Build - \$52.7M

### • DC Visits

- March/April – With NCMRWA?
- Water Summit?
- AWWA Fly-in



## Project Newsletter



### (1<sup>st</sup> Quarter 2016)

#### Core System

- FY16 Funding Announcement
- Rocky Boy's WTP – A Solution to Regional Water Challenges
- Core System Pipeline Construction Update
- Tiber Raw Water Design Update

#### Non-Core System

- Segment W3: Shelby to Cut Bank Construction Update



## Joint Bank Account Status

- **Bank Account Balance:**
  - FY14 Carryover = \$360,885.48
  - FY15 New Funds = \$6,691,430
  - Interest Earned = \$4,843.52
  - Total = \$7,057,129
- **FY15 Expenses to date: -\$1,622,930.86**
- **Fund Balance: \$5,434,198.14**
- **Financial Hand Out**

