



TPNRD IMP

Meeting 4

February 26, 2019

TODAY'S AGENDA

1. Welcome
2. Administration
 - a. November Meeting Recap
3. Review of Draft Integrated Management Plan (IMP)
4. Public Comment

WELCOME

- Open Meeting Notice
- Safety & Logistics
- Previous meeting recap

Stakeholder Roles

- Convey local water issues/concerns
- Guide development of goals and objectives
- Disseminate information to local groups about IMP
- Attend meetings



ADMINISTRATION

November Meeting Recap

November Meeting Recap

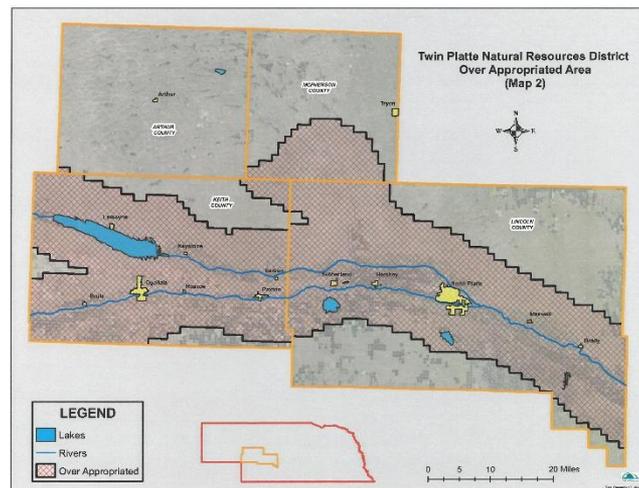
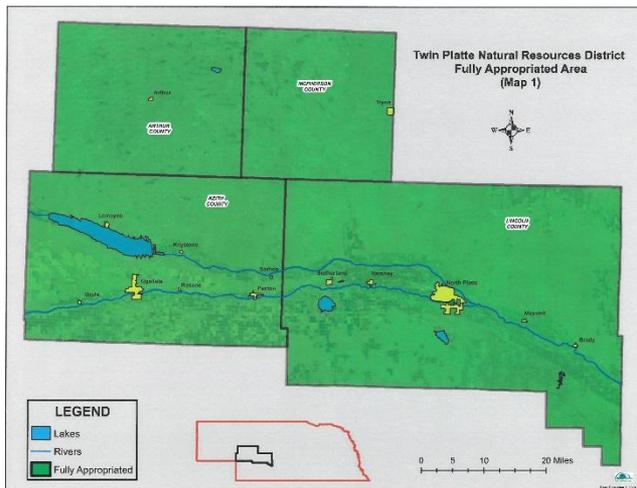
- Triggers and 2nd Increment Goals
 - Increment goals for projects and allocations
 - Annual funds available
 - State matching funds (WRCF)
- Example Projects for 2nd Increment
 - Other NRDs – allocations, annual mandatory reporting, cost-share incentive programs, water banking, etc.
 - Other States – incentive based tools and agency-based tools



REVIEW OF DRAFT IMP

Integrated Management Plan (Draft)

1. EFFECTIVE DATE
2. AUTHORITY
3. BACKGROUND
4. MAPS AND MANAGEMENT AREA BOUNDARIES



Integrated Management Plan (Draft)

5. VISION

The overall vision of this IMP is to jointly manage the water resources within the TPNRD to balance water uses and water supplies, while optimizing economic, social, and environmental benefits for the near and long term. To do this, TPNRD and NeDNR will protect existing users, local economy, environmental health, and recreational uses, to the extent possible. TPNRD and NeDNR will manage the total water supply to achieve sustainable supplies and potential growth, will distribute streamflow depletion mitigation responsibilities appropriately, will provide educational programs related to this IMP, will allow for water banking and transfers, and will explore new sources of water in the future.

Integrated Management Plan (Draft)

6. FUNDING

7. SCIENCE AND METHODS

7.1 Best Available Science, Methods, Data, and Tools to be Used in the First Increment

7.2 Ongoing Increments (Best Available Science, Methods, Data, and Tools)

7.3 Information Considered in Developing this IMP

Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS

- 8.1 Studies Conducted and Information Obtained in First Increment
- 8.2 Summary of Management Actions Taken in the First Increment
- 8.3 Assessment of First Increment (Robust Review)

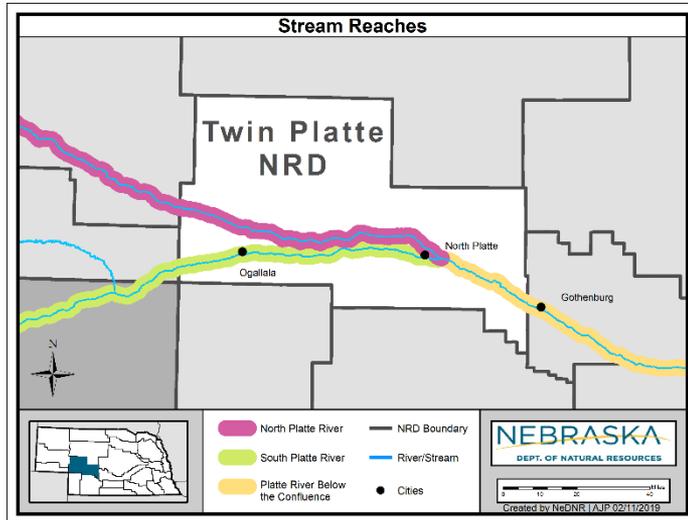


Figure 3

Linear Trend and Interannual Variability of Modeled Impacts
TPNRD to South Platte River

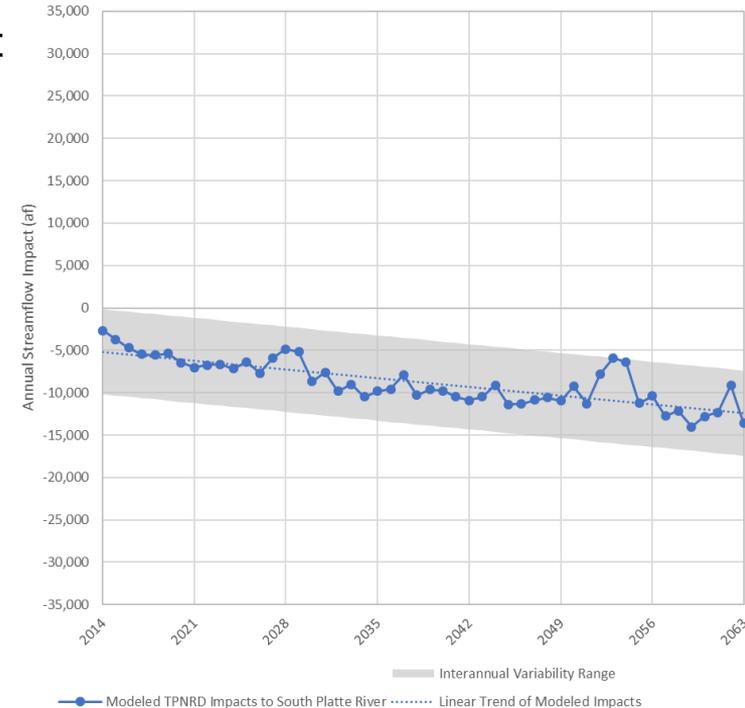


Figure 4

Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS (continued)

8.3 Assessment of First Increment (Robust Review)

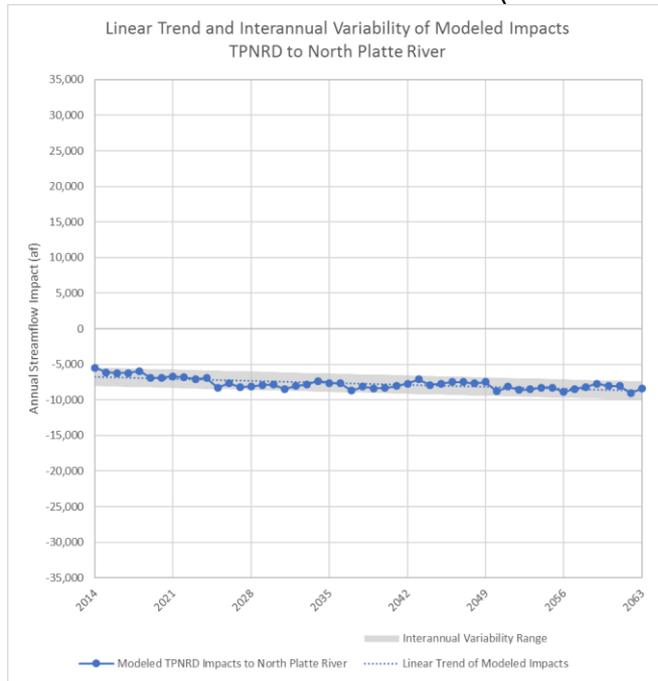


Figure 5

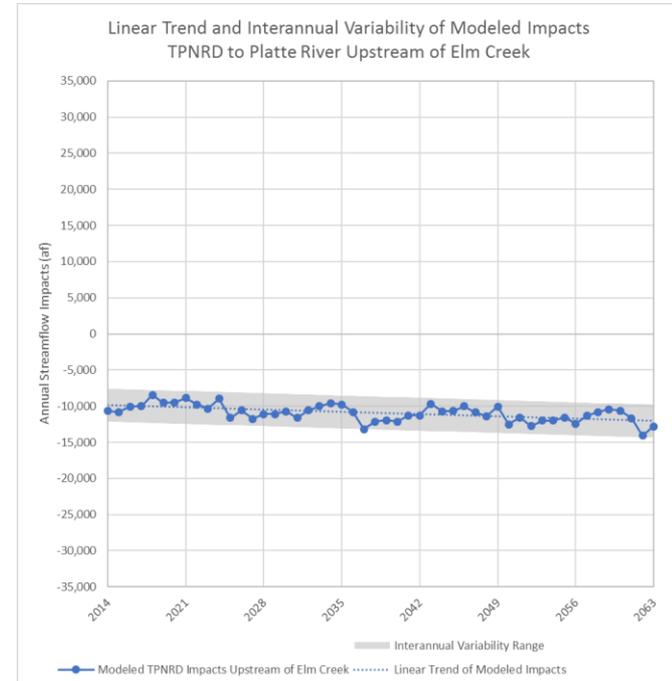


Figure 6

Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS

8.4 Assessment of Fully Appropriated Increment

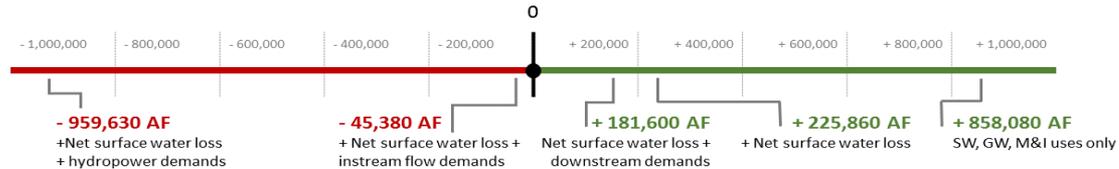


Figure 7

8.5 Basin-Wide Coordination in the First Increment

Integrated Management Plan (Draft)

9. Goal 1: Reach and Maintain a Fully Appropriated Condition

- 1.1 Within this increment of this IMP, implement measures to address impacts of streamflow depletions to surface water appropriations and water wells constructed in aquifers dependent upon recharge from streamflow to the extent those depletions are due to water use initiated after July 1, 1997.

TPNRD Short Term Modeled Post-1997 Depletions (af)

	South Platte River	North Platte River	Below Confluence
2019	-5,900	-6,900	-10,100
2020	-6,000	-7,000	-10,100
2021	-6,200	-7,000	-10,200
2022	-6,300	-7,100	-10,200
2023	-6,500	-7,100	-10,300
2024	-6,600	-7,100	-10,300
2025	-6,800	-7,200	-10,400
2026	-6,900	-7,200	-10,400
2027	-7,100	-7,300	-10,400
2028	-7,200	-7,300	-10,500
2029	-7,400	-7,300	-10,500

TPNRD Long Term Modeled Post-1997 Depletions (af)

	South Platte River	North Platte River	Below Confluence
2059-2063 average	-12,100	-8,600	-12,000

Integrated Management Plan (Draft)

9. **Goal 1: Reach and Maintain a Fully Appropriated Condition**
 - 1.2 Maintain previous increment mitigation progress.
 - 1.3 Make progress toward a fully appropriated condition.
 - 1.4 Review the implementation of this IMP to ensure that the IMP provisions are adequate to sustain progress toward and/or maintain a fully appropriated condition.
 - 1.5 Once a fully appropriated condition is achieved, maintain such condition through the implementation of the IMP.

Integrated Management Plan (Draft)

9. Goal 2: Interstate Compliance

- 2.1 Ensure that no act or omission of the TPNRD would cause noncompliance by Nebraska with the NNDP included within PRRIP, for as long as PRRIP exists.
- 2.2 Ensure that the groundwater and surface water controls adopted in the individual NRD IMPs are sufficient to ensure that the state will remain in compliance with the NNDP.
- 2.3 Collectively, as defined in the NNDP, offset the new depletions caused by new uses within the Platte River Basin NRDs.
- 2.4 Ensure that for post-1997 new or expanded uses, including irrigation, municipal, industrial, rural domestic and other new water related activities are assessed and offset for compliance with the NNDP. This assessment will be part of the Robust Review, explained in chapter 9.10.

Integrated Management Plan (Draft)

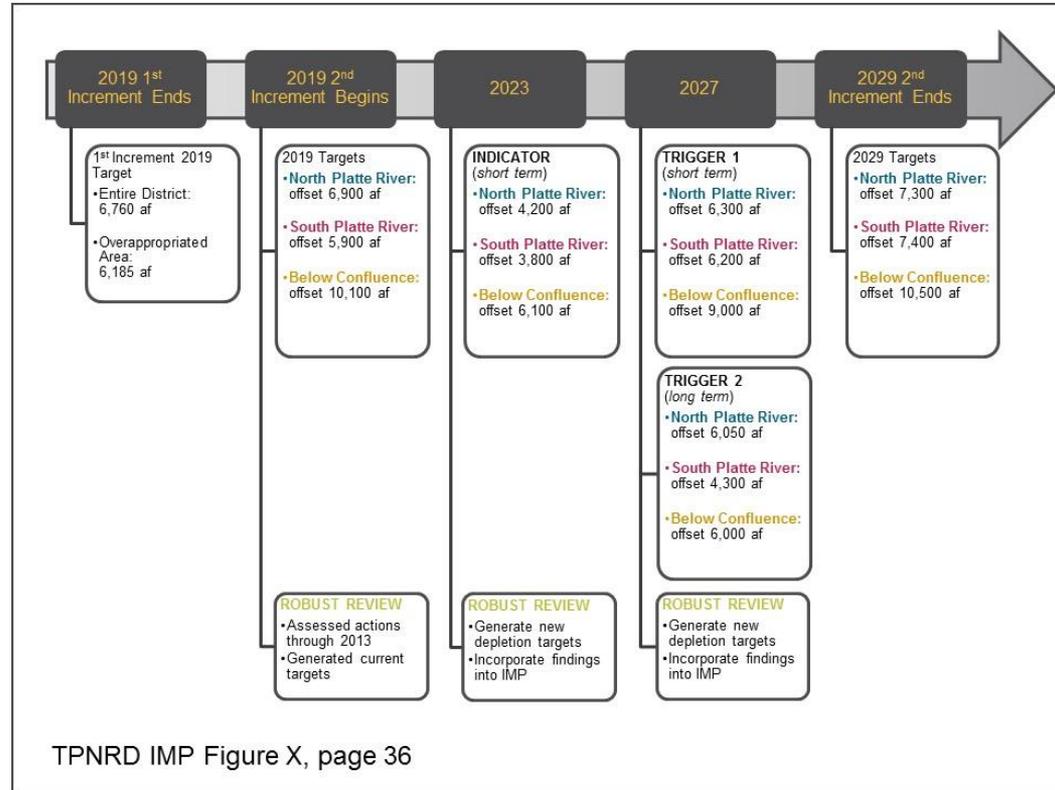
9. Goal 3: Consistency and Updates

- 3.1 Amend this IMP as needed to remain consistent with the Basin-Wide Plan.
- 3.2 Participate in Basin-Wide planning activities.
- 3.3 Improve information sharing with interested parties.
- 3.4 Conduct planning for subsequent increments of the plan, as necessary.
- 3.5 If appropriate and necessary, follow the dispute resolution process in the Basin-Wide Plan.

Integrated Management Plan (Draft)

10. ACTION ITEMS

- 10.1 Information and Education Programs
- 10.2 Incentive Programs
- 10.3 Water Banking
- 10.4 Conjunctive Management
- 10.5 Drought Plan
- 10.6 Controls for Current Increment
 - 10.6.1 Ground Water Regulatory Action Items
 - 10.6.2 Triggers



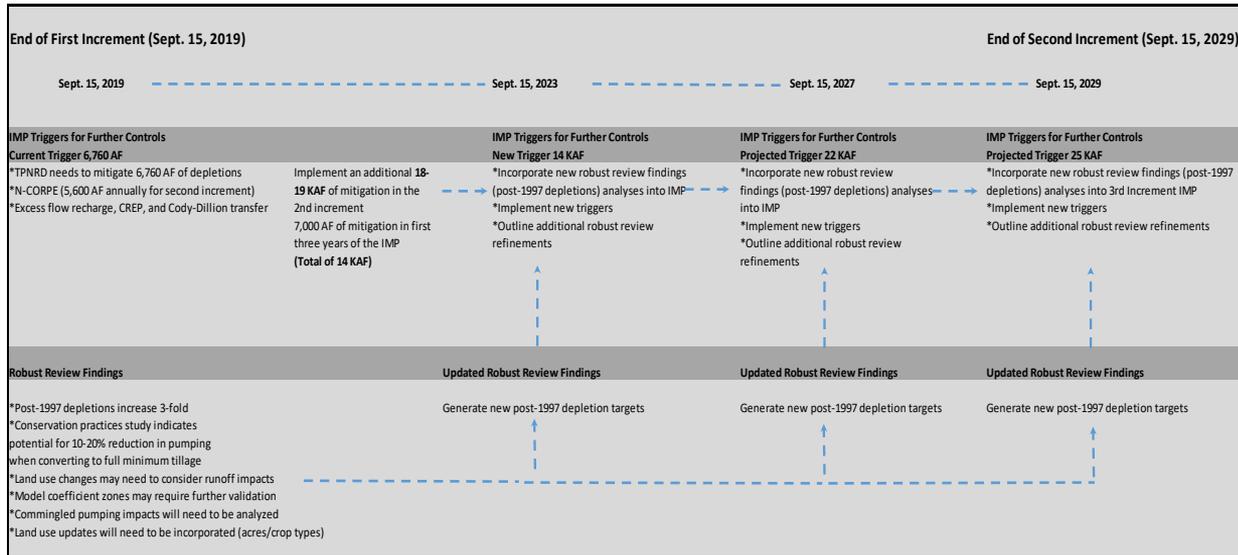
Integrated Management Plan (Draft)

10. ACTION ITEMS (continued)

10.7 Monitoring

10.8 Studies to be Completed in the Current Increment

10.9 Review of and Modifications to the IMP





NEXT STEPS

Draft Timeline

- **April 18, 2019** - Public meeting for Basin-Wide Plan
- **May 9, 2019** - TPNRD board vote on taking IMP to public hearing
- **July 16, 2019** - Public hearing for Basin-Wide Plan and TPNRD IMP
- **August 8, 2019** - TPNRD board vote on final approval of Basin-Wide Plan and IMP



PUBLIC COMMENT

Thank you