Providing the sound science and support for managing Nebraska’s most precious resource.
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Overview

• Integrated Management Plan – What is it?
• Status of IMPs and BWPs
• Drought Planning
• Technical Updates
• Interstate Agreements
Integrated Management Plan – What is it?
Created over and fully appropriated areas, in portions of the Platte, Republican, and Niobrara Basins

Set out IMP development and implementation processes

Allows for future designations of fully appropriated
IMP Development Process

Integrated management planning is:

- Surface water and groundwater management
- Cooperatively developed With NRD and Stakeholders
- Suited to local conditions
- Proactive
- Protects existing users
- Adaptive management
- Based upon science
IMP Development Process

Core elements – balancing water use and supplies so that economic viability can be maintained
IMP Development Process - Stakeholders

- Convey local water concerns and solutions
- Guide development of goals, objectives, and action items
- Attend meetings
- Community leaders
Status of Plans
Fully and Overappropriated Areas in Nebraska

Fully Appropriated and Overappropriated Areas in Nebraska
Current Status of Integrated Management Plans

- 10 Required
- 10 Voluntary
- 6 Voluntary In Process
Adopted In 2019:
2 Basin-Wide Plans
7 IMPs
- 5 Second Increment
- 2 Voluntary
Upper Platte IMPs

- Effective Sept. 2019
Vision Statement: “Waters responsibly used and the Republican River Basin is economically vibrant”
IMP Development Process – Implementation

- Action Items
- Monitoring Program
  - Tracking action items in context of achieving goals & objectives
- Evaluation
  - Are action items achieving desired goals?
  - Are water supply and demand changing?
  - Have goals changed?
- Adaptive Management
Drought planning

- Upper Platte BWP
- Republican BWP
- Lower Platte Drought Contingency Plan
Technical Updates
Modeling Projects

- Upper Niobrara-White Model
- Central Nebraska Model (CENEB)
- Western Water Use Model (WWUM)
- Lower Platte & Missouri Tributaries Assessment
- COHYST 2010
- Republican River Compact Administration Model
- Blue Basin Model
• Republican Data

• Upper Platte Data
Decision Support System

Key Strategies of the Platte River DSS

- Develop Excess Flow Process
- Permitting & Admin
- Tools & Models
- Transparency
- Ranking & Selection
- Learn from Outcomes
Interactive Web Applications

1. Interactions between groundwater and surface water

2. Effects of groundwater pumping on streamflow

[Diagram of groundwater and surface water interactions]

[Diagram showing effects of groundwater pumping on streamflow]
New Website: Upper Platte Joint Planning

- http://upjointplanning.nebraska.gov/
- Upper Platte River Basin-Wide Plan
- Robust Review
- Conservation Measures Studies
- Total Depletions Report
- Upper Platte River Basin INSIGHT Analysis
Interstate Agreements

[Map showing Interstate Compact, Decree, and Agreement Areas]

- PRRIP Agreement
- North Platte River Settlement
- Big Blue River Compact
- Upper Niobrara River Compact
- Republican River Compact
- South Platte River Compact

Created by NeDNR, updated 1/26/2018
Summary & Discussion

- Integrated Management Plan – What is it?
- Status of IMPs and BWPs
- Drought Planning
- Technical Updates
- Interstate Agreements
THANK YOU

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