

SEPTEMBER 2022

ASSOCIATION OF COUNTIES ND WATER DEVELOPMENT

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NORTH
Dakota | Water Resources
Be Legendary.



HB 1353

Divisions Within DWR Remain The Same Including:

- Administration
- Atmospheric Resources
- Planning & Education
- Regulatory
- Water Appropriation
- Water Development

DEPARTMENT OF WATER RESOURCES

HB 1353 RESTRUCTURED THE AGENCY AS THE DWR, APPOINTED A DIRECTOR, & MADE THE AGENCY A MEMBER OF THE GOVERNOR'S CABINET

NEW DWR 5 YEAR STRATEGIC PLAN



MISSION

To responsibly manage North Dakota's water needs and risks for the people's benefit.



VISION

The Department of Water Resources will sustainably manage and develop North Dakota's water resources for the health, safety, and prosperity of its people, businesses, agriculture, energy, industry, recreation, and natural resources.



VALUES

The Department of Water Resources values fairness, objectivity, accountability, responsiveness, engagement, and credibility. We pledge to use professional and scientific methods to maintain the highest of standards in our delivery of services.



OBJECTIVES

5-YEAR STRATEGIC PLAN

OBJECTIVE 1

Effectively communicate with the public and stakeholders with a primary focus on collaboration and building partnerships.

OBJECTIVE 2

Develop world-class, sustainable, and resilient water development and management practices.

OBJECTIVE 3

Support beneficial use of Missouri River system water and other available water supply sources.

OBJECTIVE 4

Implement innovative ideas, technology, and grow analytic capabilities to improve efficiencies in water management and development.

OBJECTIVE 5

Improve the department's internal resilience and promote a positive culture.

Multiple Goals & Tactics Associated With Each Objective.

PLANNING & PREPARATION

- DWR Completes Water Development Plans (WDP) Each Biennium - Projects Given Priority By DWR & SWC
- Process Begins 1 Year Prior To Legislative Sessions
- DWR Seeks Project Sponsor Input - Creates Prioritized Inventory Used For Budgeting & Informing Legislature
- Commissioner-Hosted Basin Meetings: July 2022
- 2023 Planning Process - Over 400 Project Forms Submitted With 388 Representing 2023-2025 Biennium



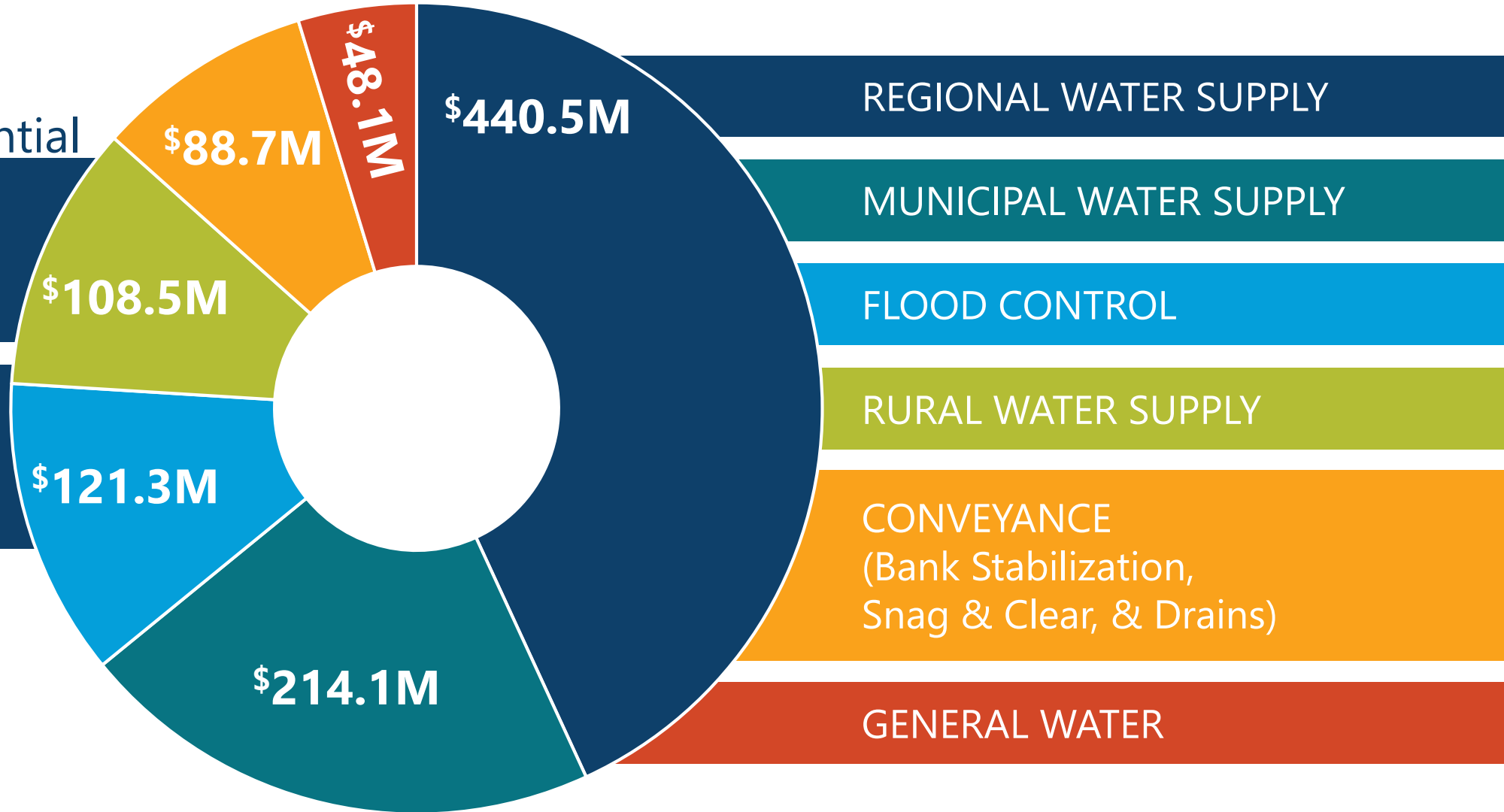
DWR Grant Potential

2023-2025

\$1.02B

2021-2023

\$0.64B



WDP INVENTORY PRELIMINARY NUMBERS



THE REPLACEMENT TREND

N.D.C.C. 61-02-01.4 (2015 - SB 2020)

Must consider all project costs potentially eligible for reimbursement, except the commission shall exclude operations expense, regular maintenance, & removal of vegetative materials & sediment, for assessment drains, & may exclude operations expense & regular maintenance for other projects.

130 of the **163** Municipal Water Supply Projects Submitted Appear To Involve Replacement of Aging Infrastructure

COST-SHARE PROGRAM

40%

Recreation

60%

Municipal Water Supply

45%

Rural Flood Control

60%

Dam Repairs, Removals, & Retention

50%

Irrigation

75%

Flood Recovery Acquisitions

50%

Snagging & Clearing

75%

Rural Water & Regionalizations

50%

Bank Stabilizations

75%

Low Head Dam Roller Mitigation

60%

FEMA Levee Accreditation

80%

Emergency Dam Action Plans

60%

Flood Control

DWR Transitioned To WebGrants One-Stop Portal

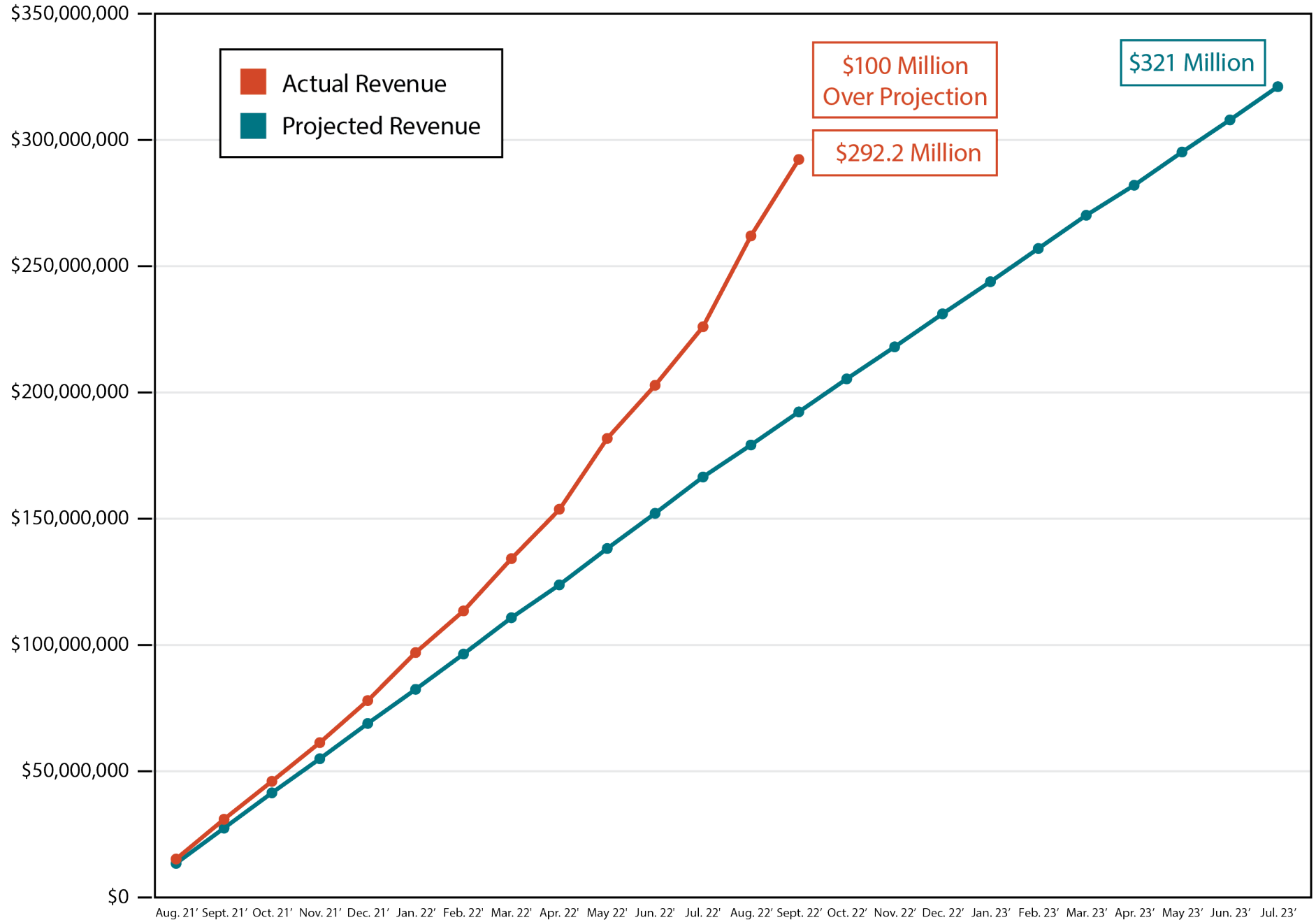


- Cost-Share For Water Supply Projects **(Up To 75% Rural & 60% Municipal)**
- DWR Permits Approved Before Construction Cost-Share Consideration **(Help With Carryover Issue)**
- Asset Inventory Assessment (AIA), Capital Improvement Plan (CIP), & Capital Improvement Fund (CIF)
- BC Ratio Exemption For FEMA Accredited Projects
- Fire Flows - Storage Cost-Share Only For Peak Demand
- Emergency Action Plans (EAP) For Dams - **Cost-Share Back To 80%**

KEY POLICY MODIFICATION ISSUES

RESOURCES TRUST FUND REVENUE

RTF SOURCE IS 20.5% OF OIL EXTRACTION TAX.





NAWS UPDATE

Under Contract

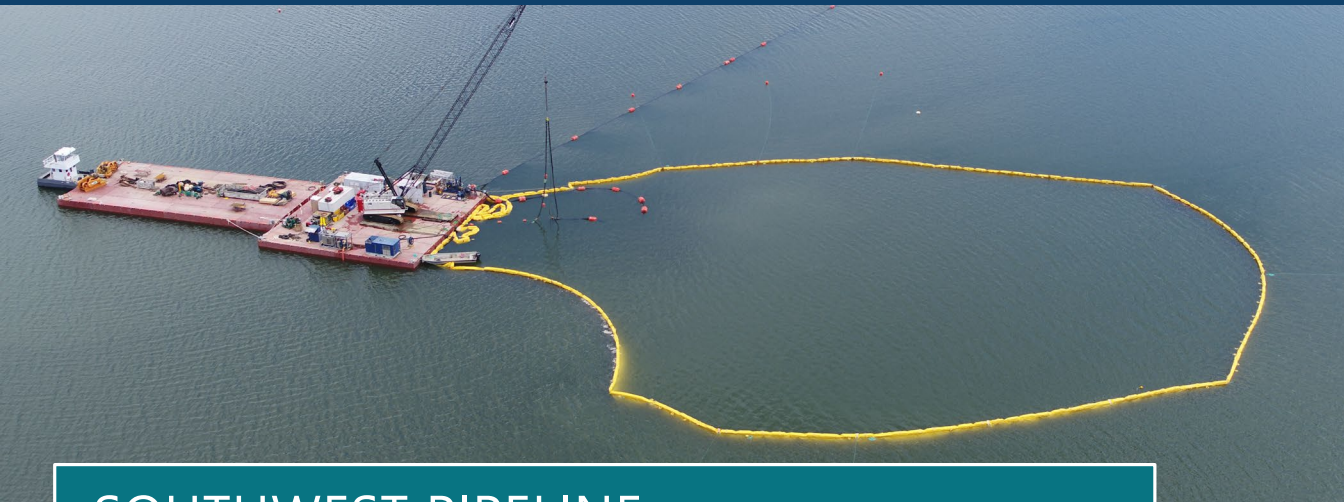
- Minot WTP Phase II
- Biota WTP Phase I
- Lansford Reservoir & Pump Station
- South Prairie Reservoir & Hydraulic Control Structure

Under Design

- Snake Creek Intake Modifications
- Bottineau/Souris Reservoirs & Pump Stations

Legislation - NAWS Authority Membership

OTHER SWC/DWR PROJECTS



SOUTHWEST PIPELINE

- Horizontal Directional Drilling (HDD) Ongoing
- HDD Started **July 11**
- 24-Hr Shift Started **September 13**
- Pipe Pull-Back Expected In **October**
- Intake Screen At Lake Bottom Expected Before Freeze-Up



DEVILS LAKE OUTLETS

- 46,347 AF Pumped So Far This Year
- Repairs Made To The West End Outlet
 - Terminal Structure
 - Drain Pipe (Round Lake Pump #3)
 - Electrical Outage (Round Lake Pump #4)

DROUGHT DISASTER LIVESTOCK WATER SUPPLY ASSISTANCE PROGRAM



Activated April 2021



Deactivated September 2022

Over 1,500 Projects Approved
For 1,100 Producers Over The
Course Of 17-Month Activation

870 Projects Completed As Of
September 2022

EXISTING

Medium Hazard Classification

- Loss Of Up To A Few Lives
- Rural/Agricultural Area

High Hazard Classification

- Loss Of More Than A Few Lives
- Upstream of Urban/Developed Areas

PROPOSED

Medium Hazard Classification

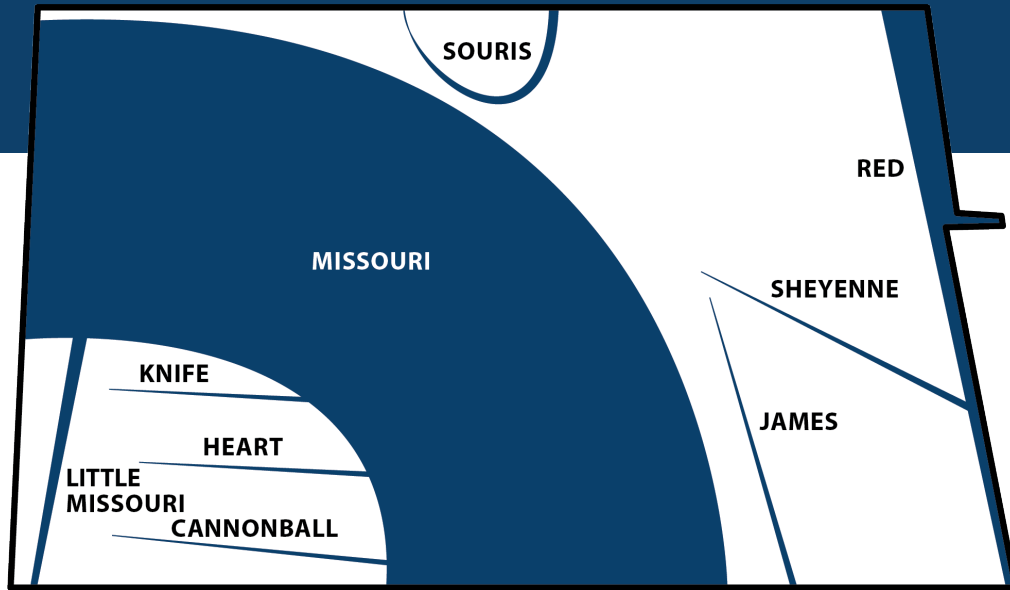
- No Probable Loss Of Human Life
- Economic Loss, Disruption Of Lifeline Facilities

High Hazard Classification

- Any Probable Loss Of Human Life

DAM SAFETY: HAZARD CLASSIFICATION

PROPOSED CHANGES



MISSOURI RIVER

Largest River

In North Dakota (Annual Flows)

Six Mainstem Dams

For Economic, Environmental, & Social Benefits

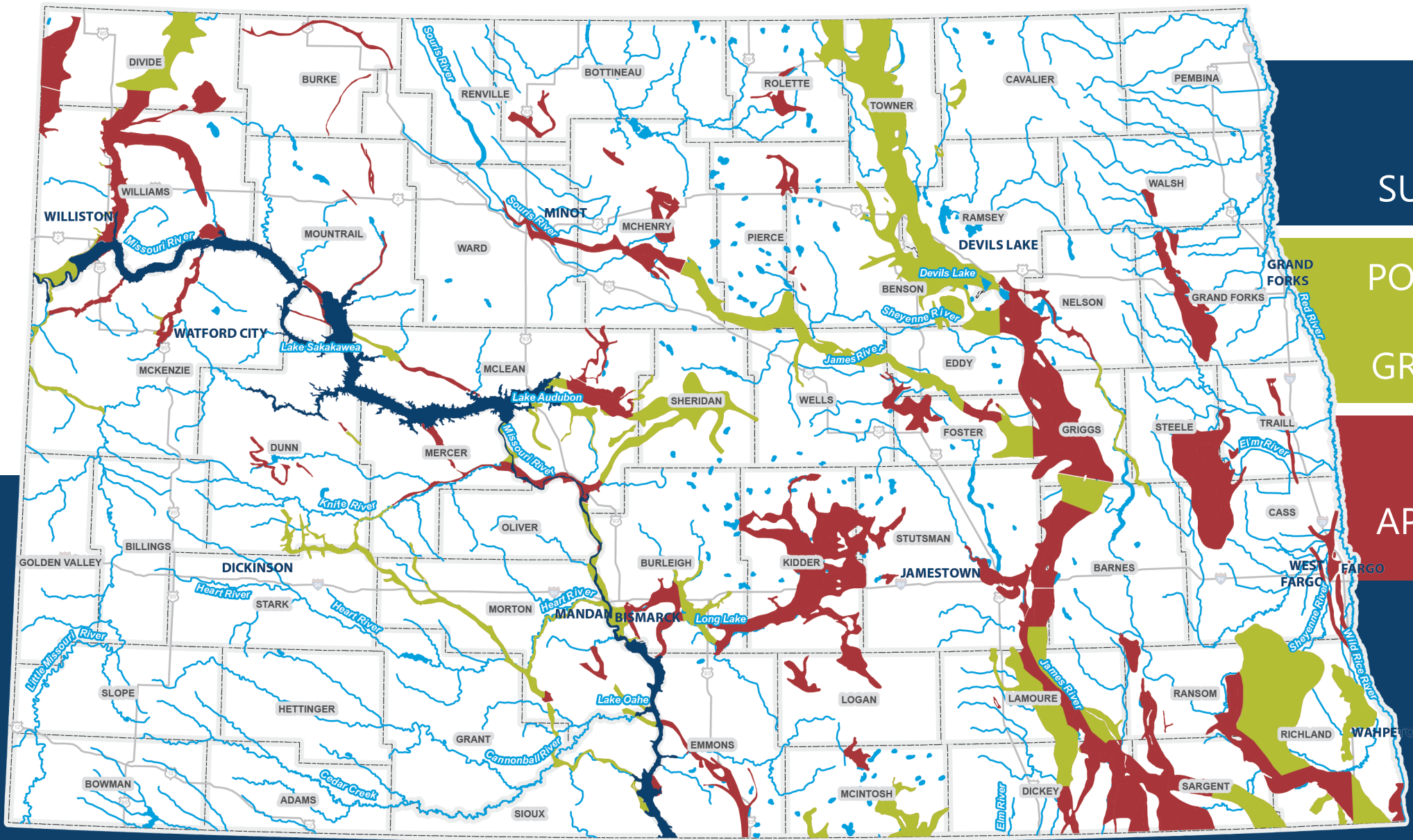
Flows Through Seven States

Montana, North Dakota, South Dakota, Nebraska, Iowa, Kansas, & Missouri

Reservoir System Created For

Flood Control, Water Supply, Recreation, Irrigation, Hydropower, Water Quality, Fish & Wildlife, & Navigation





GOOD WITH
LIMITATIONS /
SURFACE WATER

POTENTIAL WITH
LIMITATIONS /
GROUND WATER

NEAR FULL
APPROPRIATION

WATER AVAILABILITY POTENTIAL FOR ECONOMIC DEVELOPMENT



BUILDING PARTNERSHIPS

- ✓ WATER USERS
- ✓ IRRIGATORS
- ✓ TRIBES
- ✓ STATE AGENCIES
- ✓ LEGISLATURE
- ✓ FEDERAL AGENCIES
- ✓ INTERNATIONAL PARTNERS



EMPOWER PEOPLE
INSPIRE SUCCESS
GRATITUDE
COMMUNITY
IMPROVE LIVES

THANK YOU

Governor Burgum, Commissioners, Legislators,
& Stakeholders For Continual Support

THANK YOU

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