

# RED RIVER VALLEY WATER SUPPLY PROJECT

Serving the Water Supply Needs of Central North Dakota and the Red River Valley

## MOVING THE PROJECT FORWARD

### NEED FOR THE PROJECT

#### SEVERE DROUGHT

A 1930s-style drought would cause extreme water supply shortages and devastating impacts.

#### MODERATE DROUGHT

Models indicate the Project will operate more than anticipated during moderate droughts such as those in the 1950s, 1960s, 1970s, 1980s, 1990s, and 2000s.



\$33 Billion Economic Impact Expected Over a 10-Year, 1930s-Type Drought



5 Months of Zero Flow in Red River at Fargo in 1934



Existing Supplies will be Inadequate During Drought



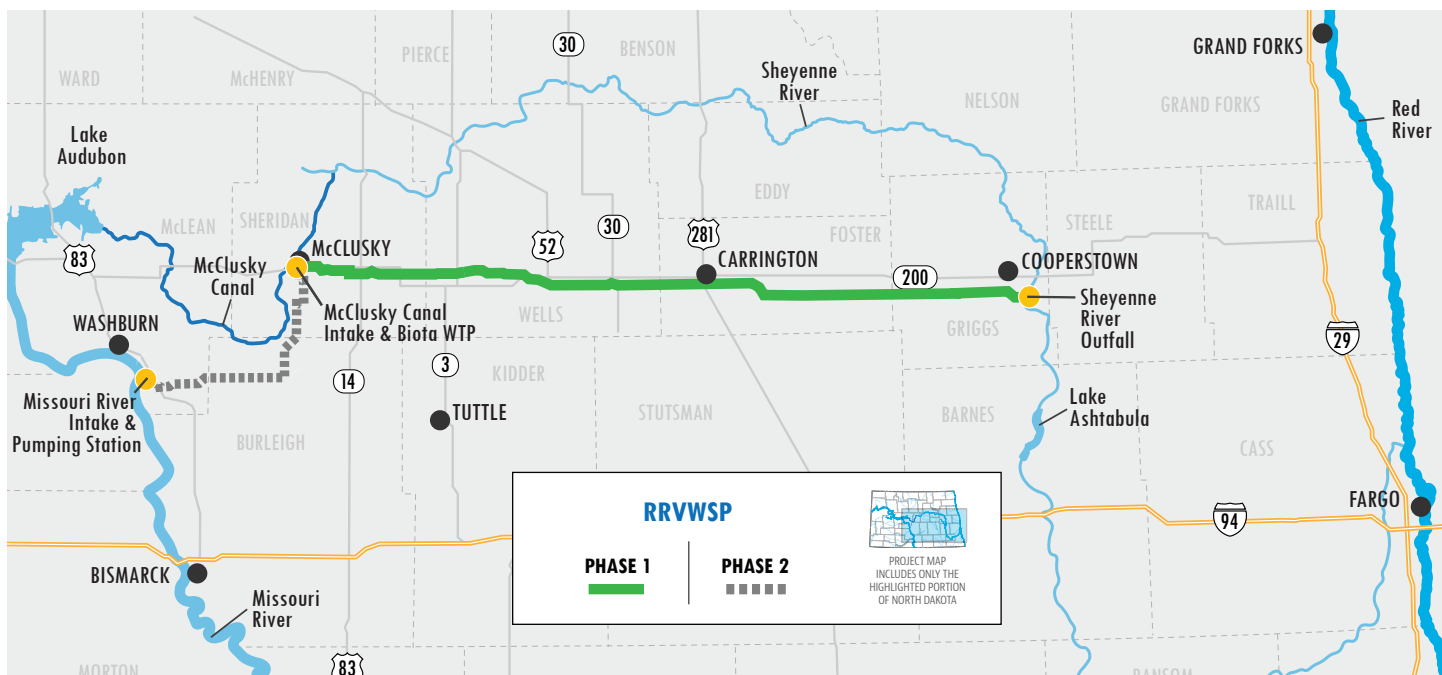
Industrial Demand Exceeds Current Supply

### PROJECT OVERVIEW

- The Red River Valley Water Supply Project (RRVWSP) is a drought resiliency project and economic development initiative that will deliver Missouri River water to central and eastern North Dakota through a buried pipeline.

An emergency water supply will be delivered to communities and rural water systems during moderate to severe droughts. The water will also provide opportunities for industrial development, as a current lack of industrial water supply has driven industries to obtain water through less desirable means and/or relocation out of North Dakota.

Upon completion, the RRVWSP will benefit about half of North Dakota's population.



# ESTIMATED TOTAL PROJECT COSTS (165 CFS)

## \$1.26 BILLION TOTAL PROJECT COST\*

FOR RRVWSP HYBRID PROJECT UTILIZING FEDERAL ENDAWS



**\$90.1M**

Intake\*\*, Intake Pumps  
& Supply Cost



**\$929.5M**

Transmission Pipeline  
Costs (including ROW)



**\$82.8M**

Pump Stations, Break Tank  
& Hydraulic Structures



**\$121.1M**

Practical Treatment  
- WTP Costs



**\$16.5M**

Discharge  
Structure Costs

\*All Costs in Shown in Q1 2024 Dollars, Excludes Pipeline Extensions/Includes Admin, Engineering, Legal, Real Estate, and Programmatic Reserve (\$69M)

\*\*McClusky Canal Intake Plus Missouri River Wet Well, Tunnel, and Screens

## CONSTRUCTION PROGRESS

### > CONSTRUCTION UNDERWAY

#### > CONTRACT 5B

- Started: June 2022
- Estimated Completion: Spring 2025
- Construction of 9 miles of 72-inch pipeline; 1 trenchless crossing in Foster County
- Awarded to Garney Construction

#### > CONTRACT 5C

- Started: Spring 2024
- Estimated Completion: Spring 2026
- Construction of 8 miles of 72-inch pipeline; 3 trenchless crossings in Foster County
- Awarded to Oscar Renda Contracting

#### > CONTRACT 5D

- Started: Spring 2024
- Estimated Completion: Spring 2026
- Construction of 10 miles of 72-inch pipeline; 1 trenchless crossing in Foster & Wells Counties
- Awarded to Carstensen Contracting, Inc.

### > COMPLETED CONSTRUCTION

- ✓ MISSOURI RIVER INTAKE PUMPING STATION WET WELL & SITE DEVELOPMENT; COMPLETED BY ICS, INC.
- ✓ MISSOURI RIVER INTAKE, SCREEN STRUCTURE & TUNNEL; COMPLETED BY MICHELS CORP.
- ✓ TRANSMISSION PIPELINE CONTRACT 5A; COMPLETED BY GARNEY CONSTRUCTION
- ✓ SHEYENNE RIVER DISCHARGE STRUCTURE & SITE DEVELOPMENT; COMPLETED BY INDUSTRIAL BUILDERS, INC.

### > 2023-2025 CONSTRUCTION PLAN

- Install 27 Miles of Pipeline
- Complete Design on 52 Miles of Pipeline
- Complete Preliminary Design for Facility Projects
  - McClusky Canal Intake & Pump Station; Biota Water Treatment Plant; Hydraulic Break Tanks
- Secure All Remaining Easements

