

March 11, 2025

SOUTHWEST PIPELINE PROJECT LEGISLATIVE TESTIMONY

HB 1020, Senate Education & Environment Division

Justin Froseth, PE - SWPP Manager, Department of Water Resources
Jen Murray - Manager/CEO, Southwest Water Authority

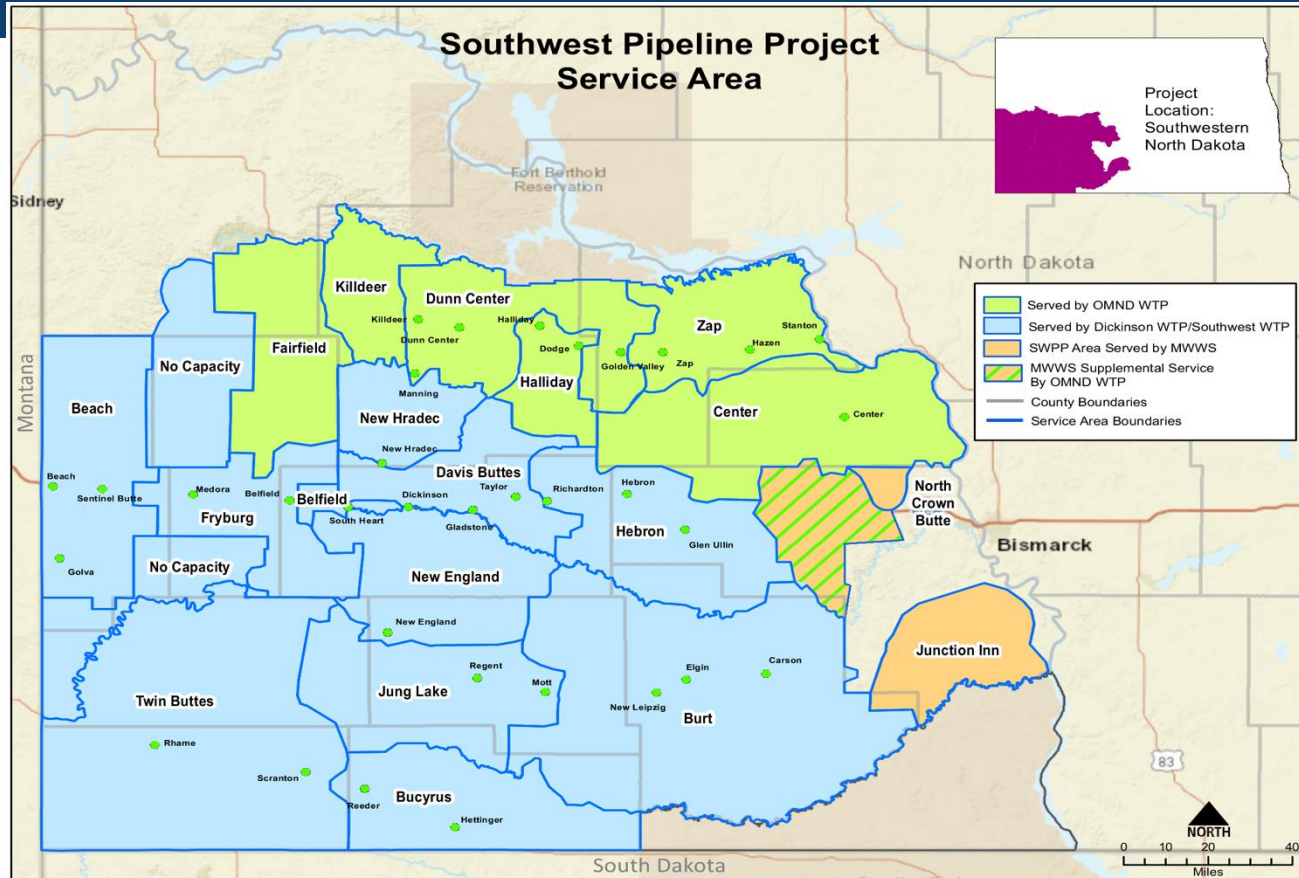


Water Commission



Water Resources

SOUTHWEST PIPELINE PROJECT



Population Served Is ~ 58,000

Over 7,750 Rural Customers

5,262 Miles Of Pipeline

33 Communities

13 Counties

34 Million Gallons Of Storage

35 Booster Pump Stations

32 Water Storage Tanks & Reservoirs

3 Water Treatment Plants

2 Additional Rural Water Systems



SOUTHWEST PIPELINE PROJECT



- Authorized By The ND Legislature In 1981
- Multi-County, Fully Integrated Regional Water Supply System - Domestic, Rural, Municipal, Livestock, Light Industrial
- Capital Asset Of The State Of North Dakota



Water Commission

- Owner Of The Southwest Pipeline Project (SWPP)
- Governance Of The SWPP



Water Resources

- Construction Administration, Design & Oversight Of The SWPP



- Political Subdivision Authorized By The ND Legislature In 1991
- Management, Operations & Maintenance Of The SWPP
- Governed By A 15-Member Publicly Elected Board Of Directors



MISSION

Quality Water For
Southwest North Dakota

SOUTHWEST WATER AUTHORITY BOARD OF DIRECTORS



VISION

People And Business Succeeding
With Quality Water



Jonathon Eaton
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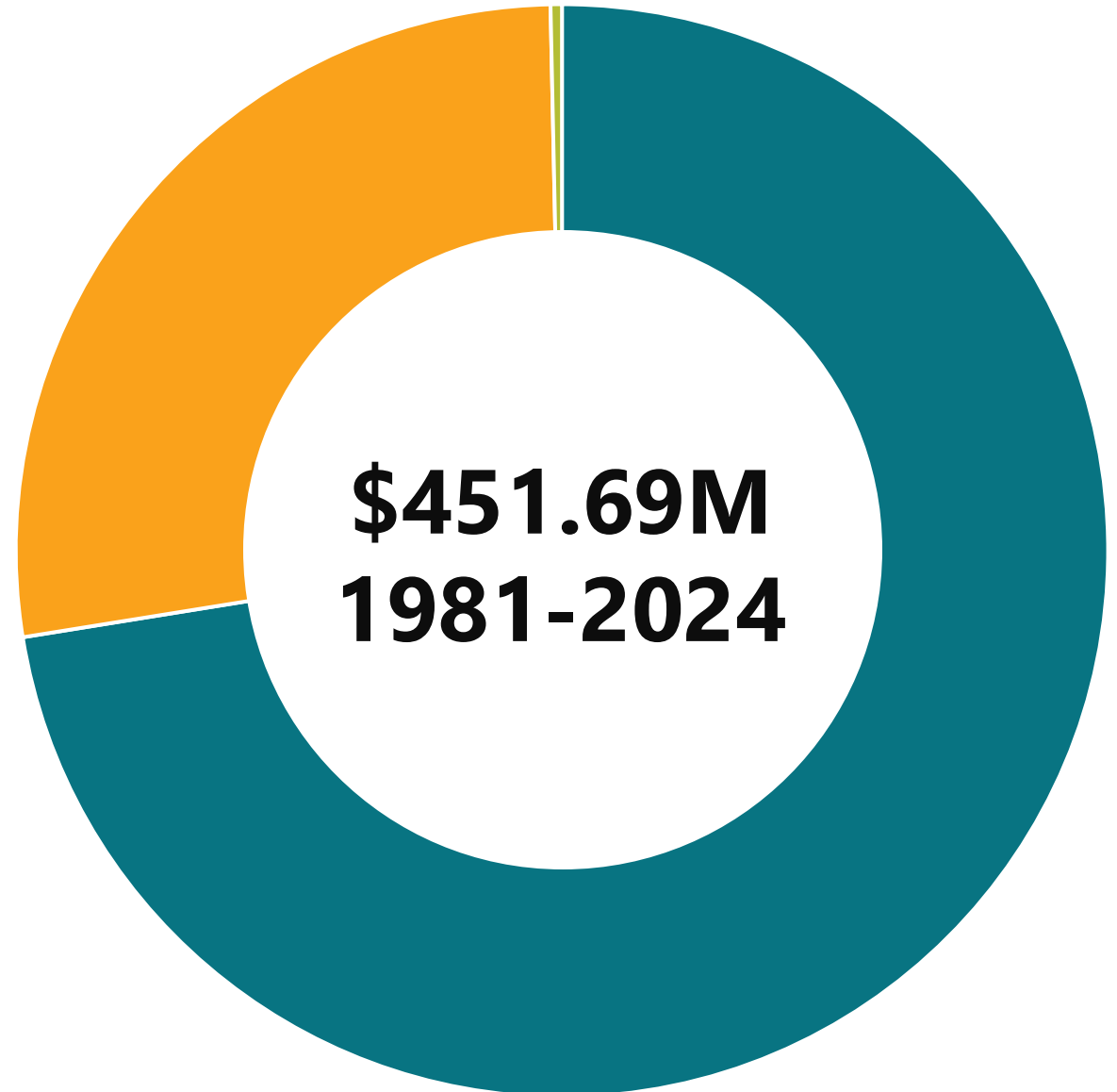
Bob Leingang
City of Mandan
bobleingang@swwater.com

SOUTHWEST PIPELINE PROJECT FUNDING

State Funding
\$327.63 Million

Federal Funding
\$121.92 Million

REM Fund
\$2.14 Million



SWPP FUNDING MODEL



- Funded 100% By The State Water Commission
- **Every Customer Pays Capital Repayment**
- Capital Repayment Is A Component Of SWPP's Water Rate
- Capital Repayment Rate Adjusted Annually By The Consumer Price Index (CPI)

2025 Capital Repayment Rate:

Contract Customers \$1.51/1,000 Gallons Sold

- Capital Repayment Rate For SWPP's Rural Customers Is Included In The Monthly Minimum/Base Rate

2025 Capital Repayment Rate:

Rural Customers \$46.16/Month

- SWPP's Customer **Growth** Will Result In More Capital Repayment Back To The State

SOUTHWEST WATER AUTHORITY

CAPITAL REPAYMENT BY YEAR

**\$102.8
Million***

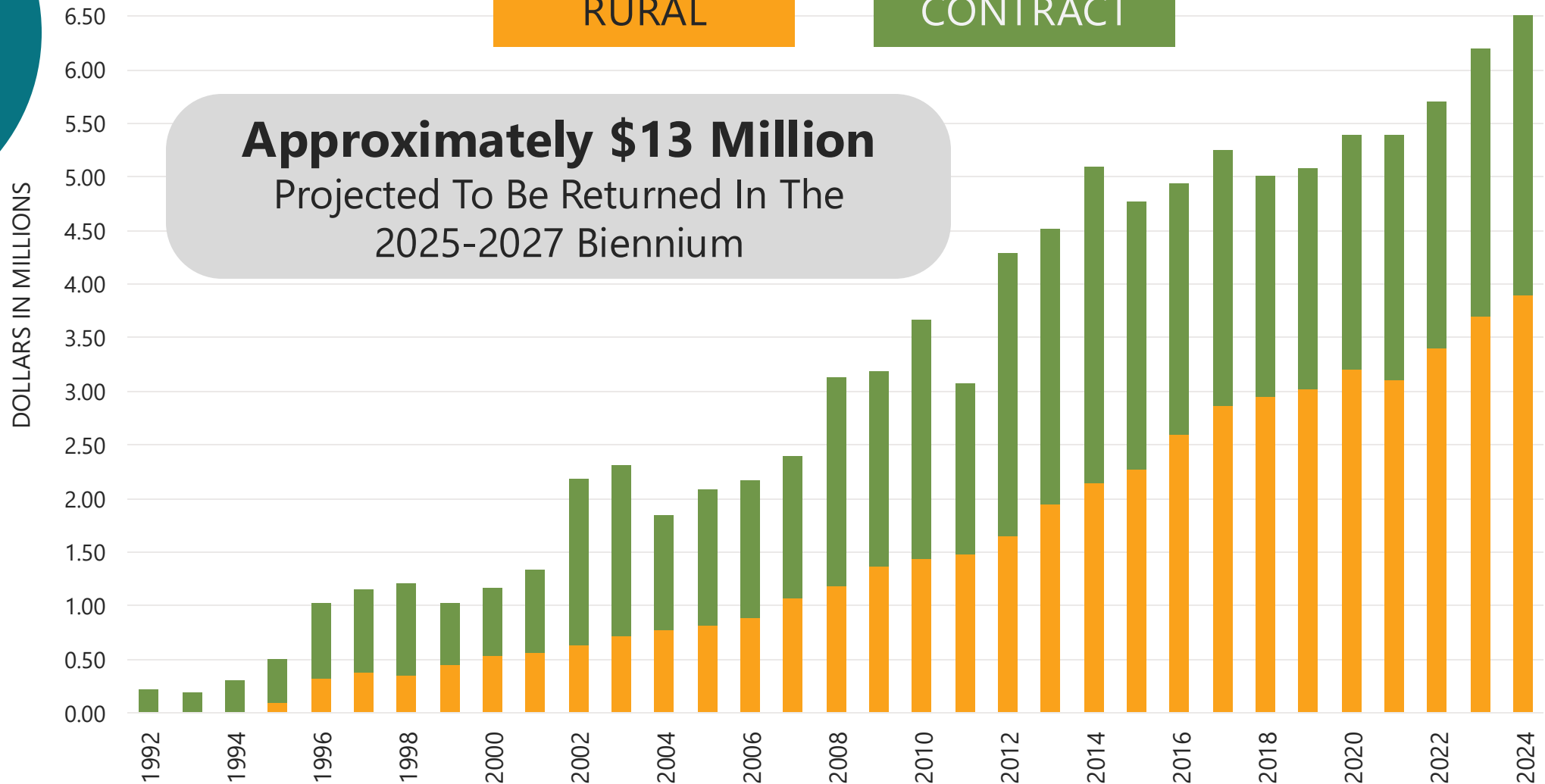
Through
December
2024

***23%**
Of Total
Funding
Returned

RURAL

CONTRACT

Approximately \$13 Million
Projected To Be Returned In The
2025-2027 Biennium



\$100 MILLION CAPITAL REPAYMENT CELEBRATION



FOCUS AREAS



Transmission Facility Improvements

Main Transmission Lines - Raw & Potable
Pump Station Upgrades

Strategic Hydraulic Improvements

Prioritized Improvements Based On Known Needs

Rural Service Area Expansion

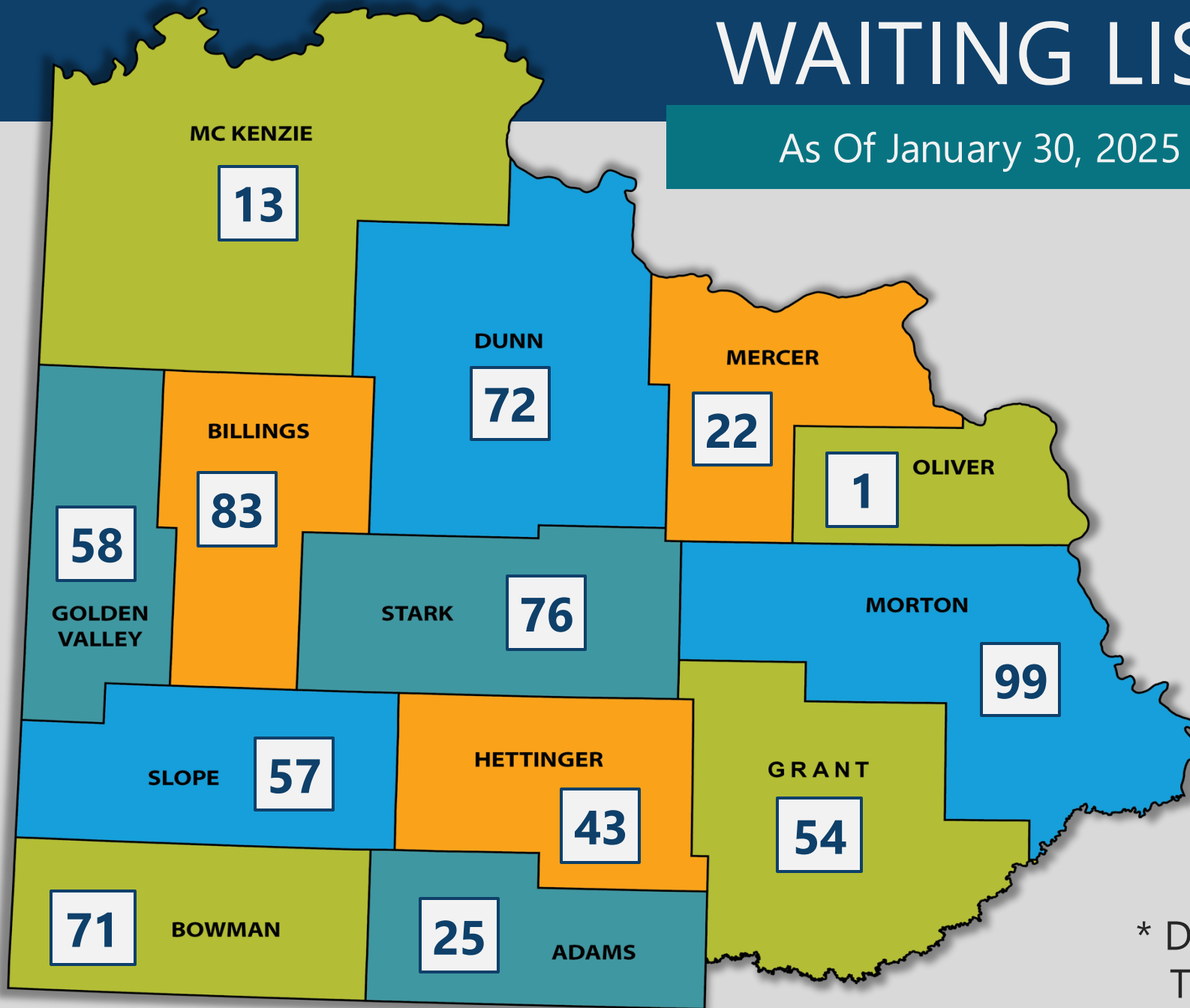
Underserved Areas

Replacement Of Critical Infrastructure

Microbiologically Induced Corrosion

WAITING LIST

As Of January 30, 2025



675*

Locations In SWA
Service Area
By County

* Does Not Include 825 Signups In
The Burt -Hebron Service Area

MICROBIOLOGICALLY INDUCED CORROSION



WEST ZONE TRANSMISSION IMPROVEMENTS



2023 - 2025 PROGRESS

Will Increase West Zone Transmission Capacity
Through Main Transmission Parallel Pipe, Booster
Stations & Storage Reservoirs From Dickinson To Beach



Preliminary Designs Completed
SWC Decision - October 2024

Buffalo Gap Storage Reservoir - West Of Medora
Currently Advertised For Bids

SUPPLEMENTARY RAW WATER INTAKE



2023 - 2025 PROGRESS

Mediation Progressing

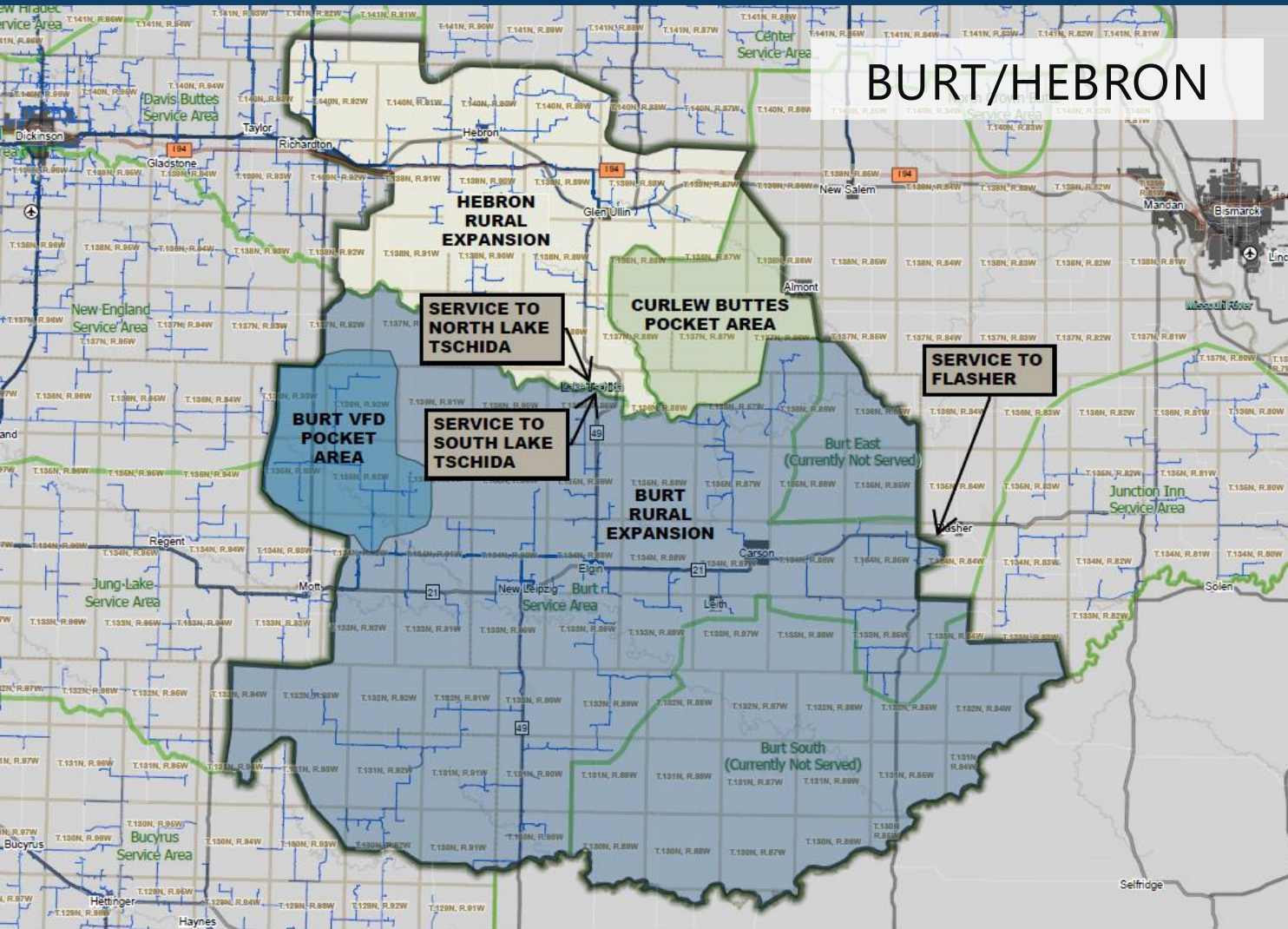
Amendment To Water Supply Agreement With Basin Electric Power Cooperative Was Approved

Will Allow Additional Capacity
From Existing Shared Intake

Design Authorization Executed

Supplementary Raw Water Intake Still Needed

RURAL SERVICE AREA EXPANSION



2023 - 2025 PROGRESS

Preliminary Design & Cost Estimate For The Entire Expansion Approximately \$76 Million

Phase One - Hebron Rural Service Area Expansion

Final Design & Bidding Expected In 2025

Feasibility Criteria & Capital Repayment Was Adjusted In 2024 To Move The Project Forward

Water Lines

Signup Area

Service Area

HYDRAULIC IMPROVEMENTS



2023 - 2025 PROGRESS

Increase Capacity Primarily Through Parallel Pipelines & Booster Stations

Allows For New Users To Connect Where Demand Well Exceeds Capacity

North New England Service Area Under Design

Benefit To Around 90 Waitlist Users

METALLIC PIPELINE REPLACEMENT



2023 - 2025 PROGRESS

Have Replaced About 4,500 Lineal Feet Over The Past Two Years

Study & Exploration Ongoing To Determine Vulnerable Locations

Most Of The Replacement Needed Is On The Raw Water Pipeline But Some Is On Larger Potable Transmission Pipeline

DWR Will Manage Metallic Pipeline Replacement Project

PROJECTS PROPOSED FOR 2025-2027

INCLUDED IN ENGROSSED HB 1020 - **\$131.7 MILLION**



Southwest Water Treatment Plant 12 MGD
Expansion - Construction Starting Soon

West Zone Transmission Expansion
Main Transmission Parallel
Piping & Pump Station Upgrades

Supplementary Raw Water Intake
Construction Post Mediation

PROJECTS PROPOSED FOR 2025-2027

INCLUDED IN ENGROSSED HB 1020- **\$131.7 MILLION**



Burt-Hebron Expansion
Phase 2 To North Side Of Lake Tschida

Strategic Hydraulic Improvements
One Project Planned Per Biennium

Ray Christensen Pump Station Upgrades
Needed For West Zone Expansion

Metallic Pipeline Replacement
2,400 Lineal Feet Identified For Replacement

SOUTHWEST WATER TREATMENT PLANT EXPANSION



Total Estimated Project Cost
\$106M

Necessitates \$106M - \$40M
(2023-2025 Funding) =
\$66M In 2025-2027 Budget

Construction Beginning In
Early 2025
Three Year Construction Project

RAY CHRISTENSEN PUMP STATION UPGRADES



- The Ray Christensen Pump Station Delivers Water To All Three Main Transmission Line Zones
 - West Zone
 - South Zone
 - North & East Zone
- Upgrades Needed To Realize The Full Hydraulic Benefit Of West Zone Project Improvements
- Beyond West Zone, Upgrades Would Increase Capacity For Other Two Zones

THANK YOU

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[/NDWaterResources](https://www.facebook.com/NDWaterResources)

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