Rural Water Supply Update

Presented By:

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ND Rural Water Systems Association

SB 2020
Senate Appropriations – E&E Division
January 19, 2023

NDRWSA Vision:

All of North Dakota has access to affordable, ample, and quality water.

Quick Summaries

- Rural & Regional Water Summary
- 2021-23 Funding Summary
- 2023-25 Funding Map
- 2023-25 Funding List
- RW Rates
- Cities Not Served by RW

Rural Water Background

- RW was started in the Late 60's and Early 70's
  - Lots of $$$ on their Own
  - Federal Loans (USDA-RD)
  - State Loans
  - Mid 80's Federal MR&I Program
  - 1996 EPA SRF Loan Program
  - 2000 Dakota Water Resources Act
  - Early 2010's Resources Trust Fund

Use of the RTF

- Helped hook-up citizens of ND to affordable, ample, and quality water.
- Improved flow, quantity, and pressure (at an affordable rate) for rural residents and smaller communities.

System Sustainability

- Systems have User Fees and Charge Accordingly
- Perform Routine Repair & Replacement
- Understand that Proper Reserves are necessary for System Longevity
- Serving Cities, Rural Users, the Ag Industry and anyone else along the way, help make it all work.

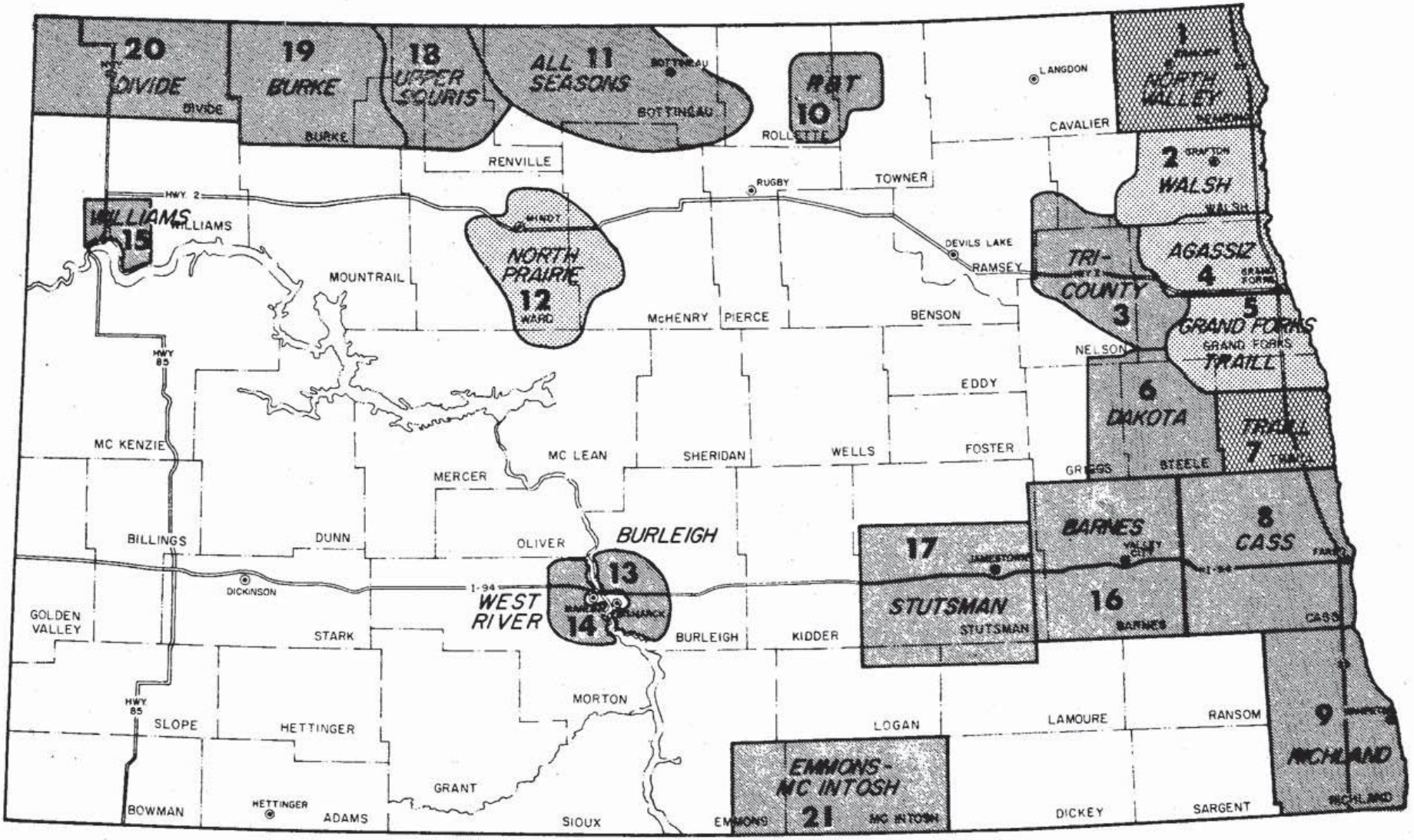


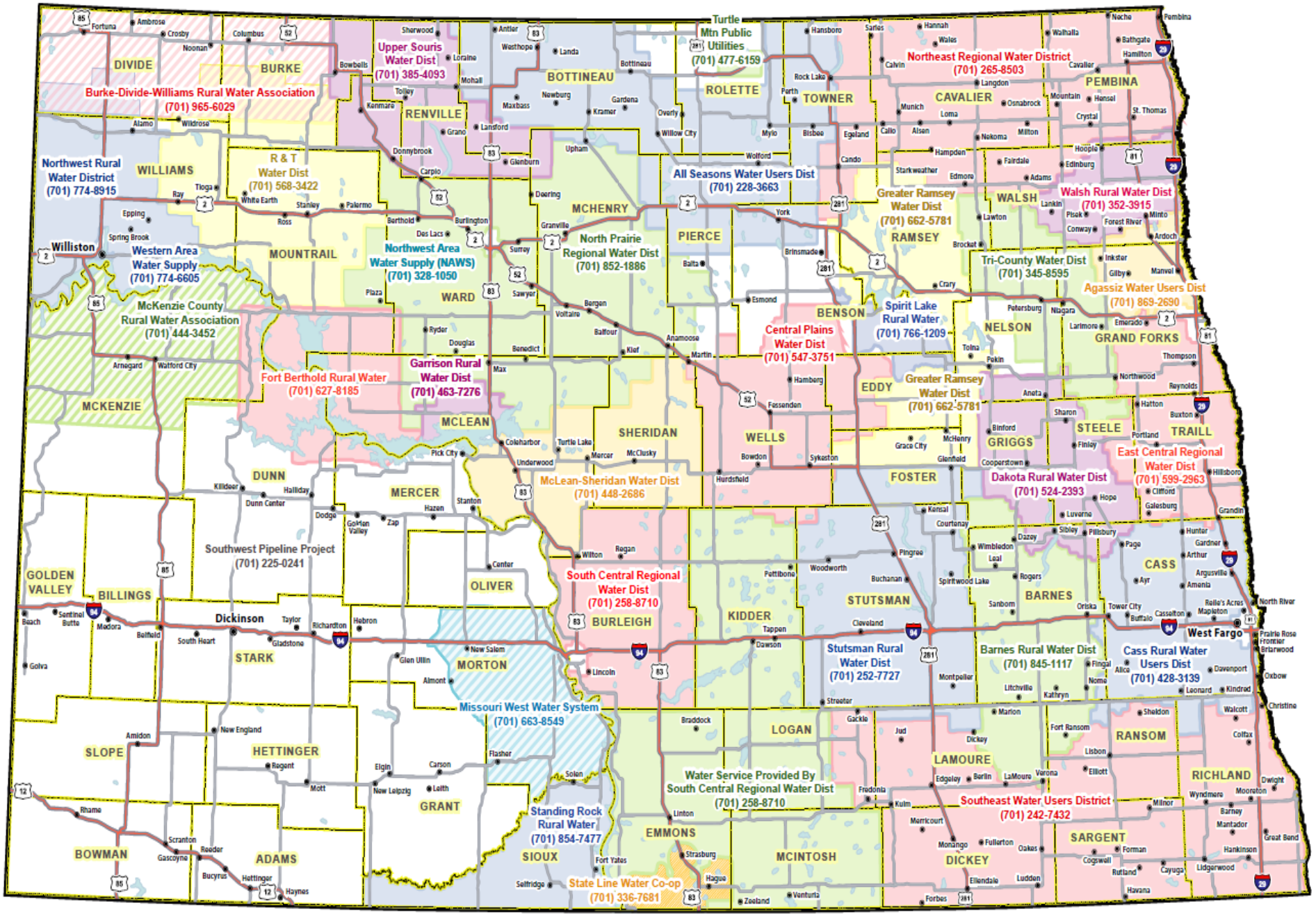
FIGURE 1. RURAL WATER USER ASSOCIATIONS IN NORTH DAKOTA, FEBRUARY, 1975

SOURCE: K. B. MACKICHAN & ASSOCIATES, INC., FEBRUARY, 1975.

STATUS OF WATER SYSTEMS

- OPERATIONAL
- UNDER CONSTRUCTION
- PLANNING STAGE

Incorporated Cities on a Rural or Regional System

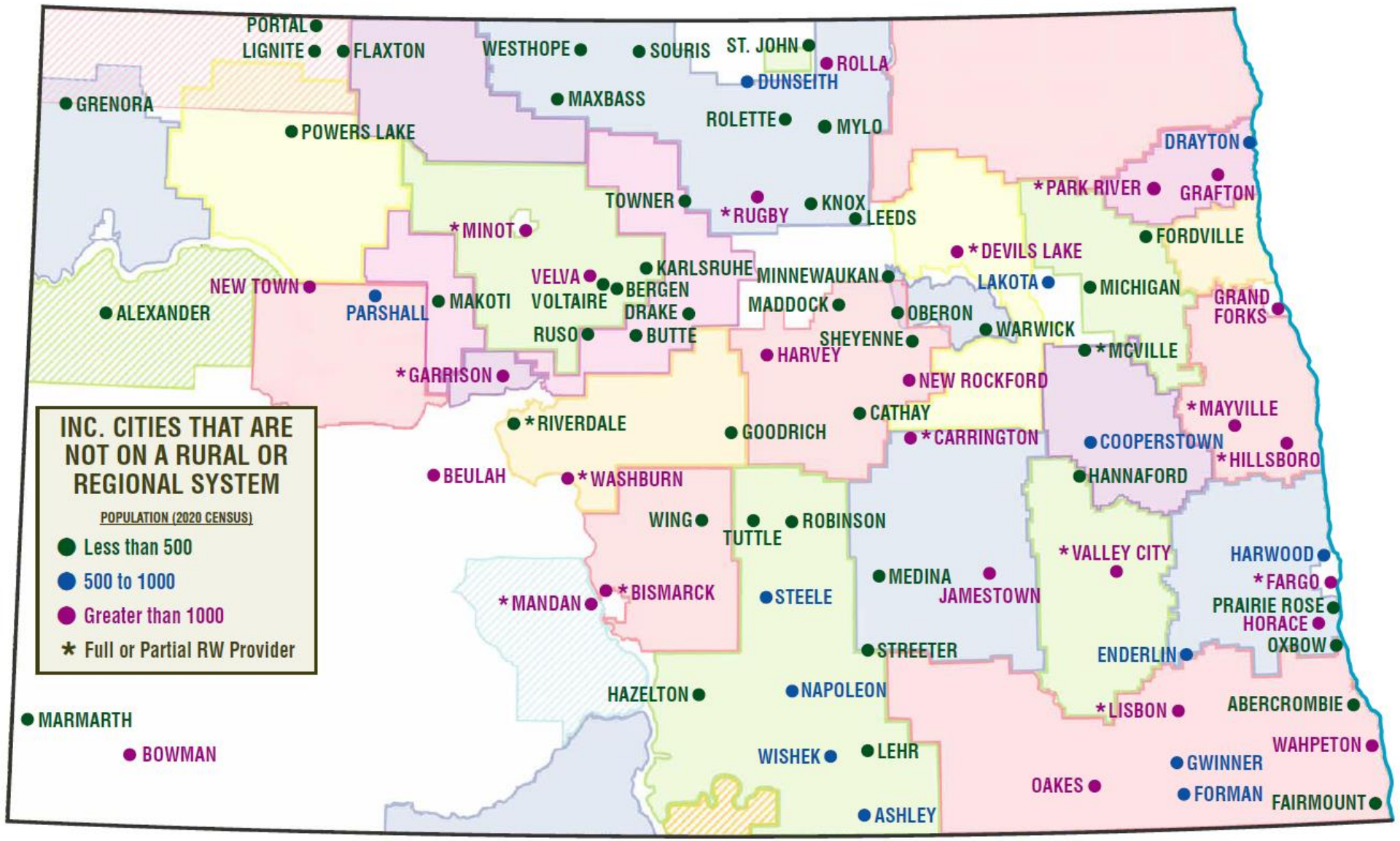


Rural/Regional Water on a Statewide Basis:

- Touches Every County in the State
- Provides Water Service to over 170,000 Rural Residents through over 70,000 Connections
- Network of 41,000 Miles of Pipe
- Serves 75% of ND's 355 Inc. Cities
- Furnishes Water Service to nearly 129,000 Residents in Cities
- No Taxing Authority
- Did Not Receive Any Direct Federal Stimulus Dollars*
- Do Not Have a Prairie Dog Bucket

ND Water Service Data

- 355 Inc. Cities
- 266 on Rural/Regional Water
  - 108 are Ind. Metered
  - 158 are Served in Bulk
- 89 Cities have their own Source
  - 4 from Other Cities
  - 8 from Ind. Wells
  - 77 from Own Source


PORTAL
LIGNITE
FLAXTON
WESTHOPE
SOURIS
ST. JOHN
ROLLA
DUNSEITH
GRENORA
MAXBASS
ROLETTE
MYLO
POWERS LAKE
DRAYTON
*PARK RIVER
GRAFTON
TOWNER
*RUGBY
KNOX
LEEDS
*MINOT
FORDVILLE
*DEVILS LAKE
VELVA
KARLSRUHE
MINNEWAUKAN
LAKOTA
MICHIGAN
NEW TOWN
BERGEN
VOLTAIRE
MADDOCK
GRAND FORKS
ALEXANDER
PARSHALL
MAKOTI
DRAKE
OBERON
WARWICK
RUSO
BUTTE
SHEYENNE
*MCVILLE
HARVEY
*GARRISON
NEW ROCKFORD
*MAYVILLE
CATHAY
*RIVERDALE
GOODRICH
*CARRINGTON
COOPERSTOWN
*HILLSBORO
BEULAH
*WASHBURN
HANNAFORD
WING
ROBINSON
TUTTLE
*VALLEY CITY
HARWOOD
MEDINA
*FARGO
*MANDAN
*BISMARCK
STEELE
JAMESTOWN
PRAIRIE ROSE
HORACE
STREETER
OXBOW
ENDERLIN
HAZELTON
NAPOLEON
*LISBON
ABERCROMBIE
MARMARTH
WAHPETON
WISHEK
LEHR
GWINNER
BOWMAN
OAKES
FORMAN
FAIRMOUNT
ASHLEY
INC. CITIES THAT ARE NOT ON A RURAL OR REGIONAL SYSTEM
POPULATION (2020 CENSUS)
Less than 500
500 to 1000
Greater than 1000
* Full or Partial RW Provider

Service Population %

- 60% Cities not on RW
- 38% on RW
  - Residential
  - City
- 1% Census Designated Places not on RW or counted in the City #s (AFBs)
- 1% Remaining to serve

21-23 Funding Recap

- $59.6M in the RW Bucket
  - WAWS is in the Water Supply Bucket
  - SWPP & NAWS are in the Capital Assets Bucket
  - Other Rural & Regional Systems

21-23 Funding Recap

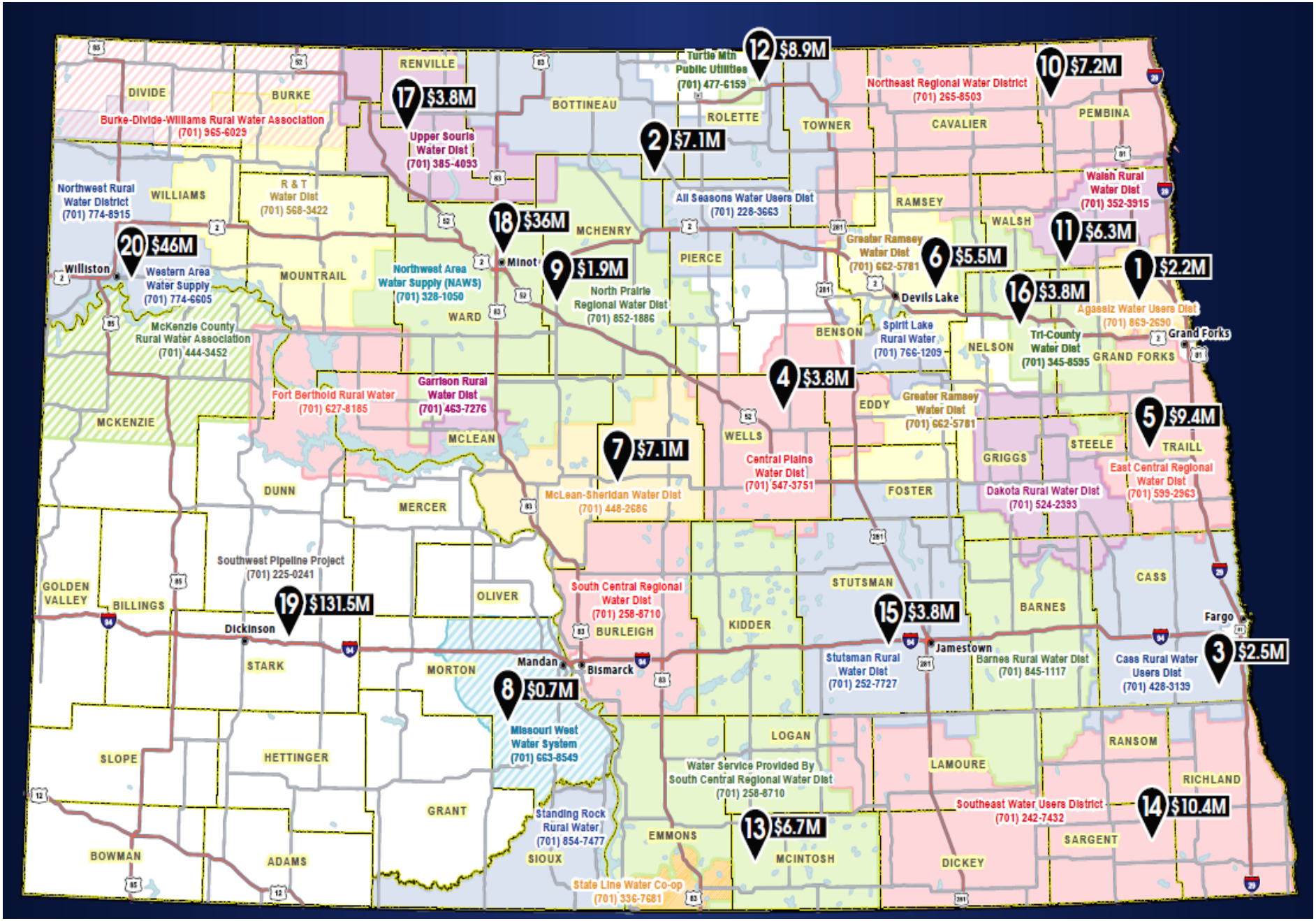
- $33.5M Approved thus far
- $2.2M Completed Projects
- $23.9M remaining
- $27.6M in projects are still planned before the end of the biennium.

- $10.6M has been added from the SFRF.

23-25 Funding Need

- $125M Worth of Projects
- **$91M** of Grant Funding is Needed.

Local Sponsor	Project Name		SWC 23-25 Grant	Local Share	Total Project Cost
Agassiz Water Users District	Reservoir 1 to 3 Transmission Expansion		$2,150,550	$716,850	$2,867,400
All Seasons Water Users District	System 1 Expansion - Phase 2		$7,125,000	$2,375,000	$9,500,000
Cass Rural Water District	County Road 17 Improvements		$891,675	$297,225	$1,188,900
Cass Rural Water District	System Wide Improvements		$1,575,000	$525,000	$2,100,000
Central Plains Water District	Connection to the city of Maddock		$3,750,000	$1,250,000	$5,000,000
East Central Regional Water District	Individual Service to Galesburg		$1,337,737	$445,913	$1,783,650
East Central Regional Water District	Hillsboro WTP Expansion		$2,124,513	$708,171	$2,832,684
East Central Regional Water District	Wellfield, Transmission & User Expansion		$5,954,906	$1,984,968	$7,939,874
Greater Ramsey Water District	North System Capacity Improvements		$5,521,522	$1,890,507	$7,412,029
McLean-Sheridan Rural Water District	Phase 2 WTP Construction		$4,800,000	$1,600,000	$6,400,000
McLean-Sheridan Rural Water District	Phase 3 Expansion		$2,300,000	$800,000	$3,100,000
Missouri West Water System	Fort Abraham Lincoln State Park Improvements		$744,000	$248,000	$992,000
North Prairie Regional Water District	Reservoir 3 to Max Transmission Line		$1,918,000	$639,000	$2,557,000
Northeast Regional Water District	Bulk Cities to Individual Services		$2,698,986	$899,662	$3,598,648
Northeast Regional Water District	WTP and Wellfield Expansion		$4,500,000	$1,500,000	$6,000,000
Northeast, Walsh, Agassiz, Tri-County, & East Central RWDs	Northeast North Dakota Long-Term Groundwater Supply		$6,255,647	$2,085,215	$8,340,862
Rolette County - Turtle Mountain	Highway 43 Reservoir & Pump Station Improvements		$3,000,000	$2,000,000	$5,000,000
Rolette County - Turtle Mountain	Three Mile Road Rural Water Main Replacement		$1,125,000	$875,000	$2,000,000
Rolette County - Turtle Mountain	Highway 3 and BIA 8 Water Main Replacement		$4,822,500	$3,607,500	$8,430,000
South Central Regional Water District	Service to the city of Ashley		$6,655,440	$2,218,480	$8,873,920
Southeast Water Users District	West System Water Treatment Plant Improvements		$10,350,000	$3,450,000	$13,800,000
Stutsman Rural Water District	Raw Water Facilities Improvement		$3,203,250	$1,067,750	$4,271,000
Stutsman Rural Water District	Service to the city of Streeter		$582,000	$194,000	$776,000
Tri-County Water District	Phase 6 Expansion		$1,350,000	$450,000	$1,800,000
Tri-County Water District	Phase 7 Expansion - McVille Area		$2,464,500	$821,500	$3,286,000
Upper Souris Rural Water District	Improvements & Expansion - Phase 2		$3,750,000	$1,250,000	$5,000,000
		Totals:	**$90,950,226**	**$33,899,741**	**$124,849,967**
Northwest Area Water Supply Project (NAWS)	2023-25 Treatment & Distribution Improvements		$36,000,000	$16,200,000	$77,200,000
Southwest Pipeline Project (SWPP)	2023-25 Treatment & Distribution Improvements		$131,500,000	$0	$131,500,000
Western Area Water Supply (WAWS)	2023-25 Treatment & Distribution Improvements		$46,000,000	$24,000,000	$70,000,000
		Totals:	**$213,500,000**	**$40,200,000**	**$278,700,000**


12 $8.9M
Turtle Mtn Public Utilities (701) 477-6159
10 $7.2M
Northeast Regional Water District (701) 265-8503
17 $3.8M
Upper Souris Water Dist (701) 385-4093
2 $7.1M
Burke-Divide-Williams Rural Water Association (701) 965-6029
Northwest Rural Water District (701) 774-8915
R & T Water Dist (701) 568-3422
All Seasons Water Users Dist (701) 228-3663
Walsh Rural Water Dist (701) 352-3915
18 $36M
11 $6.3M
20 $46M
Western Area Water Supply (701) 774-6605
Northwest Area Water Supply (NAWS) (701) 328-1050
9 $1.9M
North Prairie Regional Water Dist (701) 852-1886
Greater Ramsey Water Dist (701) 662-5781
6 $5.5M
1 $2.2M
16 $3.8M
Agassiz Water Users Dist (701) 863-2690
McKenzie County Rural Water Association (701) 444-3452
Spirit Lake Rural Water (701) 766-1209
Tri-County Water Dist (701) 345-8595
Fort Berthold Rural Water (701) 627-8185
Garrison Rural Water Dist (701) 463-7276
4 $3.8M
Greater Ramsey Water Dist (701) 662-5781
5 $9.4M
7 $7.1M
Central Plains Water Dist (701) 547-3751
East Central Regional Water Dist (701) 599-2963
McLean-Sheridan Water Dist (701) 448-2686
Dakota Rural Water Dist (701) 524-2393
Southwest Pipeline Project (701) 225-0241
South Central Regional Water Dist (701) 258-8710
19 $131.5M
15 $3.8M
Fargo
Dickinson
Jamestown
Stutsman Rural Water Dist (701) 252-7727
Barnes Rural Water Dist (701) 845-1117
3 $2.5M
Cass Rural Water Users Dist (701) 428-3139
Mandan
Bismarck
8 $0.7M
Missouri West Water System (701) 663-8549
Water Service Provided By South Central Regional Water Dist (701) 258-8710
Standing Rock Rural Water (701) 854-7477
13 $6.7M
Southeast Water Users District (701) 242-7432
14 $10.4M
State Line Water Co-op (701) 336-7681
DIVIDE
BURKE
RENVILLE
BOTTINEAU
ROLETTE
TOWNER
CAVALIER
PEMBINA
WILLIAMS
MOUNTRAIL
MCHENRY
PIERCE
RAMSEY
WALSH
Williston
Minot
Devils Lake
WARD
BENSON
NELSON
GRAND FORKS
Grand Forks
MCKENZIE
MCLEAN
WELLS
EDDY
STEELE
TRAILL
GRIGGS
FOSTER
DUNN
MERCER
OLIVER
BURLEIGH
KIDDER
STUTSMAN
BARNES
CASS
GOLDEN VALLEY
BILLINGS
STARK
MORTON
LOGAN
LAMOURE
RANSOM
RICHLAND
SLOPE
HETTINGER
GRANT
EMMONS
MCINTOSH
DICKEY
SARGENT
BOWMAN
ADAMS
SIOUX

Why is Rural Water Funding Needed?

- The grant funding allows those residents in smaller communities and rural areas to receive a basic necessity of life for a reasonable price.
- Those rural residents do pay their fair share through historically higher rates.

Rural Water System Rates - January 2023

SYSTEM	# of Users	Minimum Cost	$/1000 Gal.	$/6000 Gal.	Miles of Pipe
Agassiz Water Users District	1,400	$27.50	$8.50	$78.50	400
All Seasons Water Users District System 1-4	908	$40.00	$7.50	$85.00	
All Seasons Water Users District System 4 Phase 1&2	124	$48.00	$7.50	$93.00	
All Seasons Water Users District System 5	538	$48.00	$7.50	$93.00	1,700
Barnes Rural Water District #1	1,400	$50.00	$5.50	$83.00	
Barnes Rural Water District #2	274	$60.00	$6.00	$96.00	
Barnes Rural Water District #3	350	$56.00	$5.50	$89.00	1,200
Belcourt Public Utilities	3,500	$20.50	$5.75	$55.00	245
Cass Rural Water District	8,017	$27.00	$5.40	$59.40	
Cass Rural Water District - Leonard Project	140	$40.00	$5.40	$72.40	2,400
Central Plains Water District (Old)	790	$30.00	$6.50	$69.00	
Central Plains Water District (New)	340	$56.00	$7.25	$99.50	1,266
Dakota Rural Water District Expansion	1,035	$53.00	$6.50	$92.00	1,200
East Central Regional Water District	2,310	$40.00	$7.00	$82.00	
East Central Regional Water District	2,469	$60.00	$7.00	$102.00	2,200
Fort Berthold Rural Water	2,500	$25.00	$5.00	$55.00	650
Garrison Rural Water District	822	$62.00	$8.00	$110.00	162
Greater Ramsey Water District	1,011	$35.00	$5.50	$68.00	
Greater Ramsey Water District	1,132	$40.00	$5.50	$73.00	
Greater Ramsey Water District	385	$45.00	$5.50	$78.00	1,650
McKenzie County Water Resource District	1,260	$45.90	$7.02	$88.02	1,530
McLean-Sheridan Rural Water District #1	696	$62.00	$7.40	$106.40	
McLean-Sheridan Rural Water District #2	174	$65.00	$6.54	$104.24	
McLean-Sheridan Rural Water District #3	113	$76.00	$7.80	$122.80	700
Missouri West Water System	2,005	$40.00	$6.29	$77.74	650
North Prairie Regional Water District (Existing)		$54.00	$9.83	$112.98	
North Prairie Regional Water District (New)	4,788	$65.00	$9.83	$123.98	2,500
Northeast Regional Water District/Langdon Branch	1,299	$63.00	$6.10	$99.60	
Northeast Regional Water District/North Valley Branch	1,372	$50.00	$6.10	$86.60	2,512
Northwest Rural Water District	2,600	$45.00	$8.80	$97.80	1,200
R&T Water District	825	$50.00	$7.70	$96.20	514
South Central Regional Water District (Includes 500 gals)	6,260	$34.00	$7.50	$75.25	
South Central Regional Water District	1,780	$40.00	$6.00	$76.00	5,000
Southeast Water Users District Central	623	$50.00	$5.75	$84.50	547
Southeast Water Users District Central-New	138	$55.00	$5.75	$89.50	147
Southeast Water Users District East	1,810	$31.00	$4.50	$58.00	1,372
Southeast Water Users District East-New	252	$55.00	$4.50	$82.00	201
Southeast Water Users District West	732	$50.00	$3.50	$71.00	743
Southeast Water Users District West-New	136	$55.00	$3.50	$76.00	166
Southwest Water Authority	7,465	$55.32	$6.47	$94.14	5,260
State Line Water Cooperative (includes 1000 gals)	452	$40.00	$6.25	$71.25	200
Stutsman Rural Water District	1,222	$43.00	$5.35	$75.10	1,100
Stutsman Rural Water District Expansion Project	1,347	$48.00	$5.35	$80.10	1,090
Tri-County Water District	1,200	$54.00	$6.00	$90.00	1,200
Upper Souris Water District	650	$35.00	$10.00	$95.00	600
Walsh Rural Water District R1	1,232	$36.00	$7.75	$82.50	
Walsh Rural Water District R3	155	$48.00	$7.75	$94.50	
Walsh Rural Water District R4	142	$55.00	$7.75	$101.50	700
	70,173				41,005
Median		$48.00	$6.38	$85.80	
Average		$47.15	$6.57	$86.36	
Yearly Average				$1,036.38	

Why is Rural Water Funding Needed?

- Grant funding (Federal & State) has been a successful mechanism for providing and maintaining water service in rural areas.
- In the mid 1990's, the systems provided water service to about 90,000 residents. Today, they serve around 300,000 residents.
- Proper Federal and State grant funding, 100s of millions (maybe Billions) of dollars of loans/other pay backs and an immense amount of hard work by the systems, make this all possible.

Why is Rural Water Funding Needed?

- Rural Water Systems need to be properly designed to meet the increased demands of the Agriculture Industry.
- It is critical for the systems to continue helping our farmers and ranchers economically feed the world and provide us with the food security we sometimes take for granted.

Carryover Authority

3 Additional FTEs

Thoughts on the RTF

- Article X, Section 22 of the State Constitution sets up the RTF.
- RTF may be expended only pursuant to legislative appropriation

Oil Extraction Tax 57-51.1-07

- Allocation of moneys in oil extraction tax development fund.

Oil Extraction Tax 57-51.1-07

- 20% to Resources Trust Fund
  - +0.5% (Aug. 2019) until $128,740,000 is reached
  - Renewable Energy - $3M
  - Energy Conservation - $1.2M
- 20% to Common Schools Trust Fund and Foundation Aid Stabilization Fund
- 30% to the Legacy Fund
- Remainder must be allocated to the state's general fund.

Oil Extraction Tax
Gov. 23-25 Budget

- RTF - $460.1M
- Foundation Aid - $224.4M
- Common Schools - $224.4M

- Every 1% equals $22.44M

Thank You!

Rural Water Contact

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