









Town lifted by oil boom that made North Dakota second-biggest oil-producing state in US

Ooo

Williston and Williams County

2010 Census

22,398



83%

2020 Census

40,950

McKenzie County

2010 Census

6,360



131%

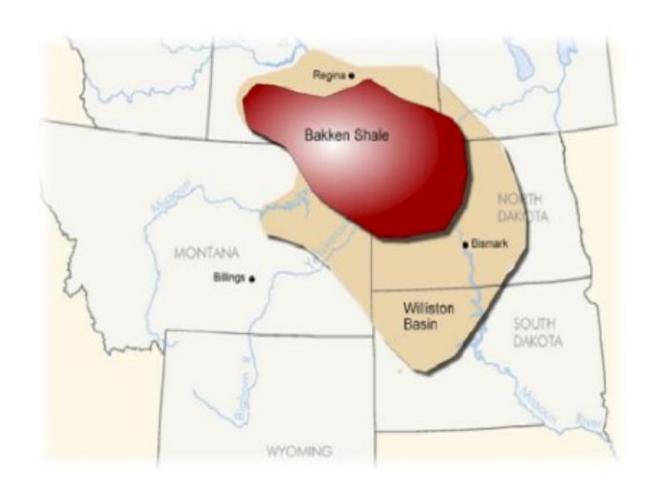
2020 Census

14,704



Growth

- Williston first noticed the increasing activity level beginning in 2004.
- To prepare, the city increased major infrastructure capacity for up to 40% more population.
- We have since far exceeded that excess capacity.



Credit: Ward Koeser



Instrumental Leaders

Mayor Ward Koeser (1994-2014)

Mayor Howard Klug (2014 – Current)

"My dream was that we would become the best little city in America.

We are a lot closer to that now than a lot of people believe."

E. Ward Koeser, 2014



Instrumental Leaders

Senator Bekkedahl (2015 – Current)

"When it is all said and done, we want to prevail as a better community than when it started."

Dr. Brad Bekkedahl Williston City Commissioner

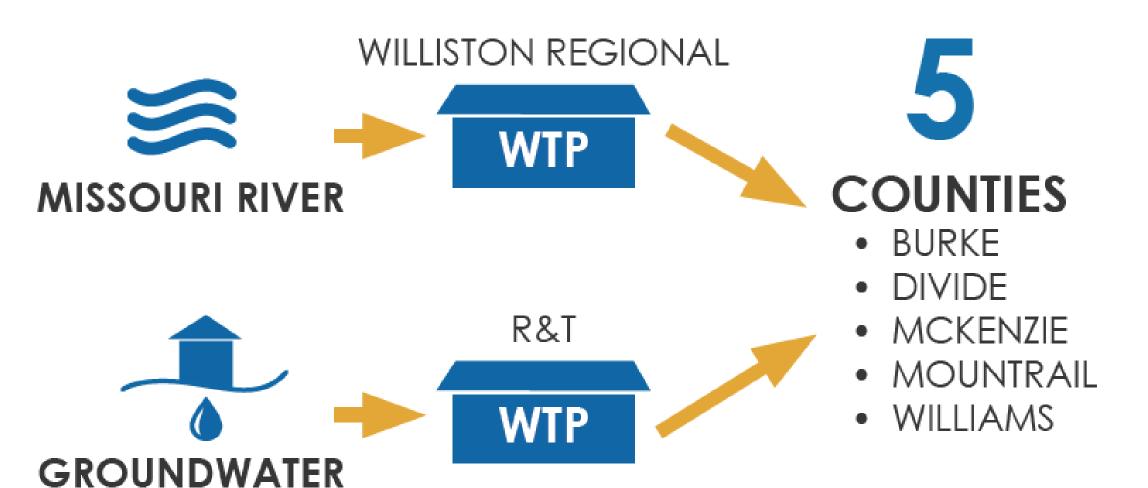
HISTORICAL LEGISLATION

SB2233 Passed by State Legislature in 2013

- Created Two Water Utilities:
 - Domestic Utility: Owned and Operated by WAWSA and Member Entities
 - Industrial Utility: Owned By the State of North Dakota and Operated by WAWSA
- = State Assumed \$238M OF WAWSA DEBTS

WAWSA Legislation

- 2011 House Bill 1206 Legislation the initially created WAWSA
- 2013 Senate Bill 2233 Water development policies, goals, and objectives legislation.
- 2013 House Bill 1020 State Water Commission Appropriations Bill
- 2015 Senate Bill 2020 State Water Commission Appropriations Bill
- 2017 House Bill 1020 State Water Commission Appropriations Bill
- 2019 Senate Bill 2020 State Water Commission Appropriations Bill
- 2021 House Bill 1020 State Water Commission Appropriations Bill
- 2021 House Bill 1431 \$74.5m Debt Reduction (RTF)
- 2021 Senate Bill 2345 Federal ARPA Fund Allocation









P 16 Pump Stations





ENTITY CONTRIBUTIONS

Each Member Entity (and many sub-member entities) contributed existing infrastructure such as water plants, transmission lines & water depots (OVER \$100 MILLION IN ASSETS) to WAWSA for the public purpose and good of this project.

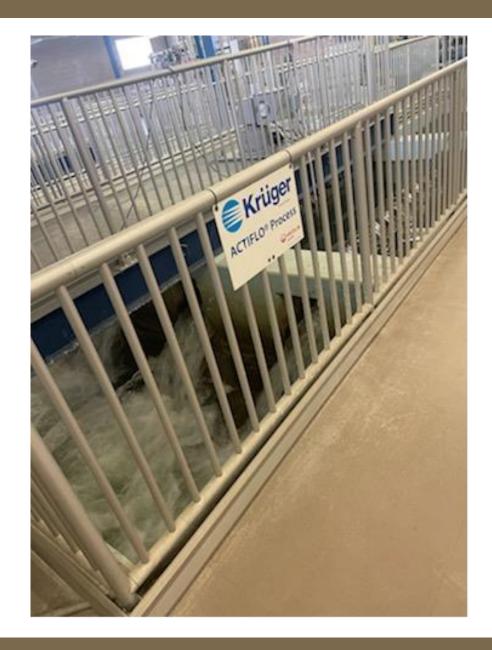


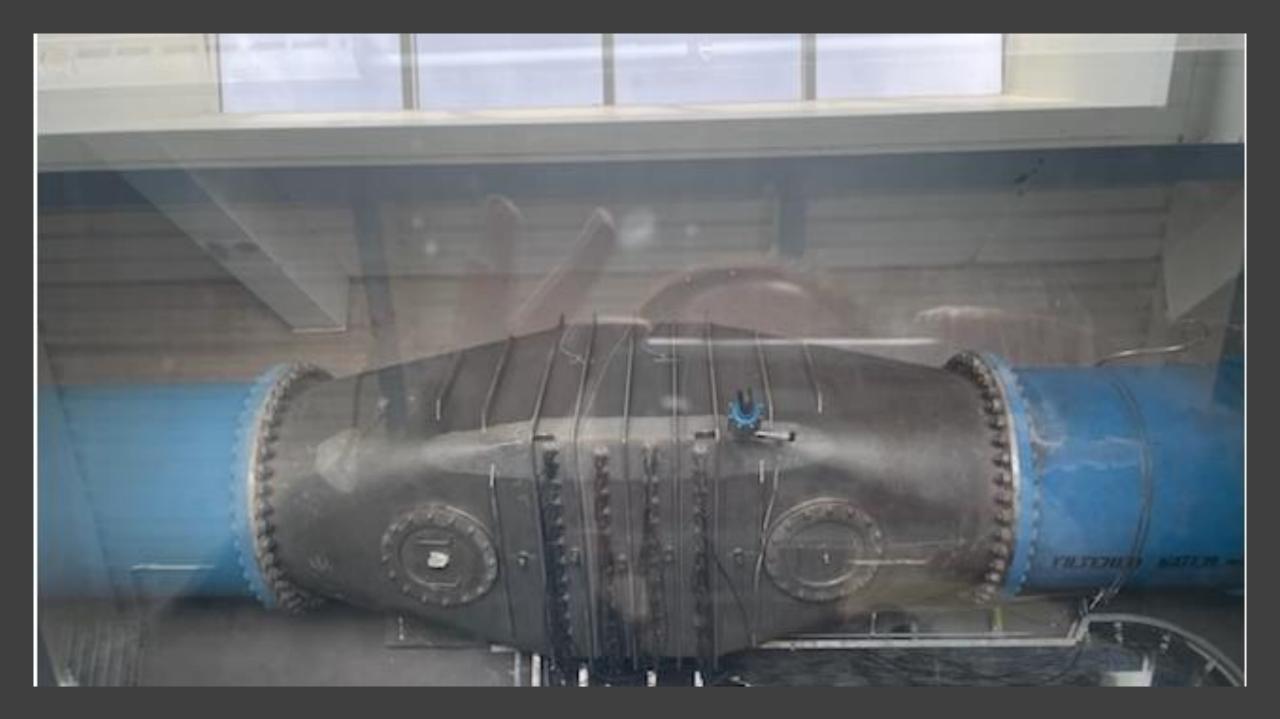
WAWSA BOARD



- · City of Williston
- McKenzie County Water Resource District (MCWRD)
- Northwest Rural Water District (NWRWD)
- R&T Water Supply Commerce Authority (R&T)
- Burke-Divide-Williams (BDW) Rural Water



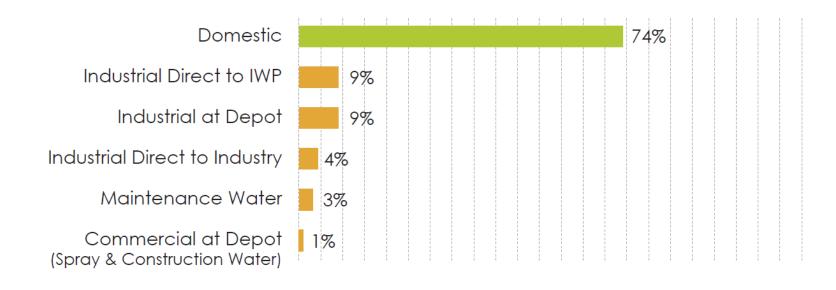






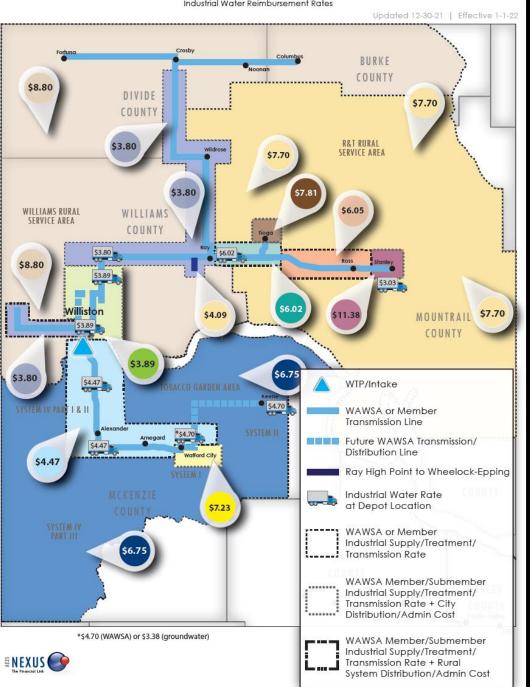


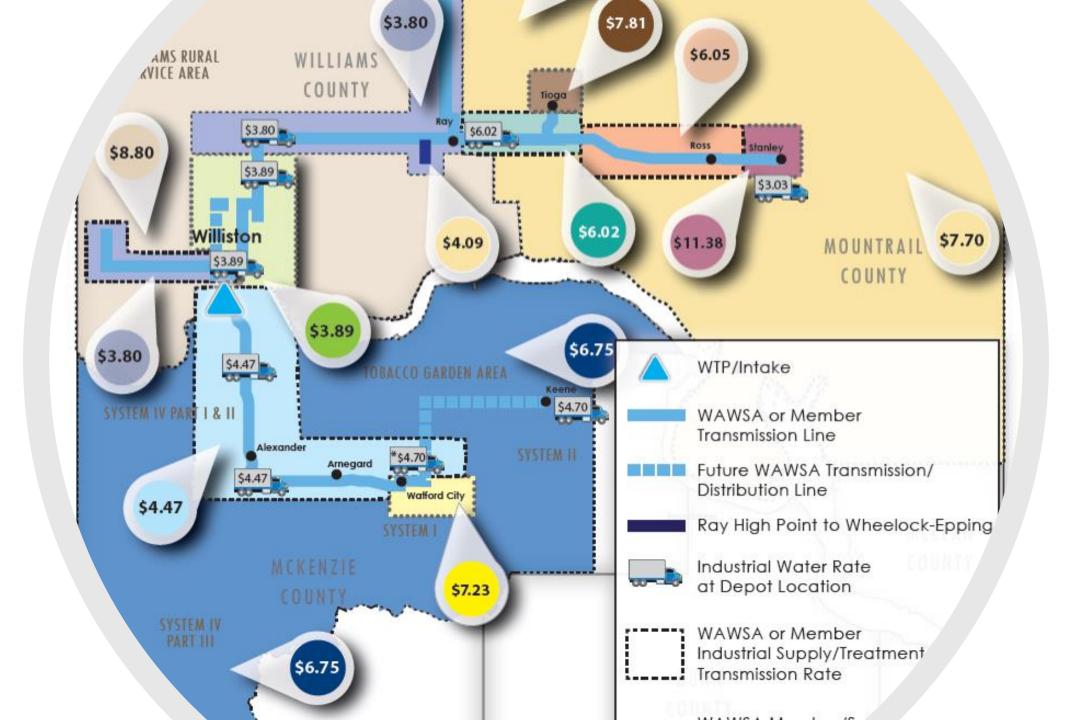


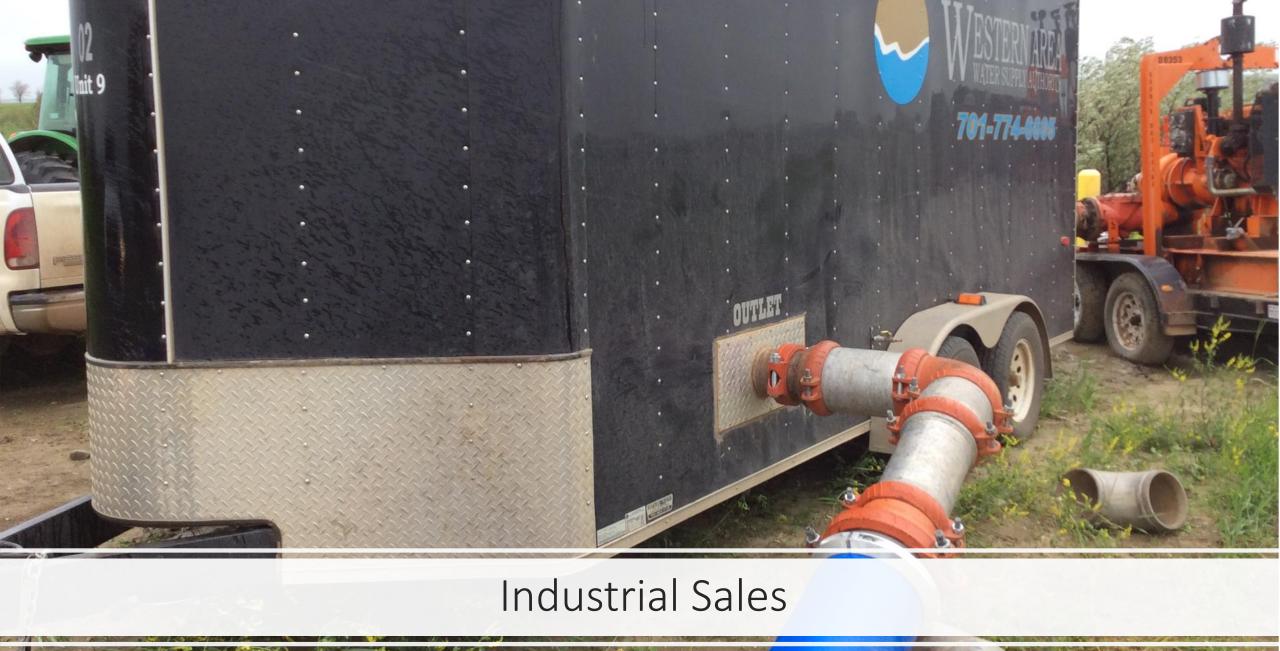


WAWSA
WATER SALES
BY PERCENTAGE
2016-2020

Western Area Water Supply Project Industrial Water Reimbursement Rates







Industrial Sales

INDUSTRIAL SALES

- WAWSA is operating nine depots, and there are no plans at this time to open additional depots.
- The WAWSP Business Plan is the first of its kind in North Dakota. Typically, rural water systems are subsidized heavily by grant dollars. Selling the system's unused water capacity to the oil industry during the population growth period is projected to pay for a significant portion of the WAWSP overall project cost.
- Direct pipelines = reduced impacts on roads. Direct pipelines along with a limited number of strategic WAWSA industrial water depots, which were coordinated with the NDDOT and local entities, have reduced wear and tear on county and township roads by reducing truck traffic.





MARKET SHARE

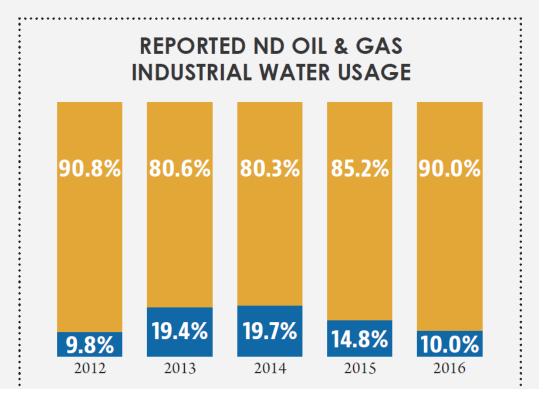
WAWSA has repeatedly testified that they would provide no more than 25% of the market share and have been well below that historically.



WAWSA

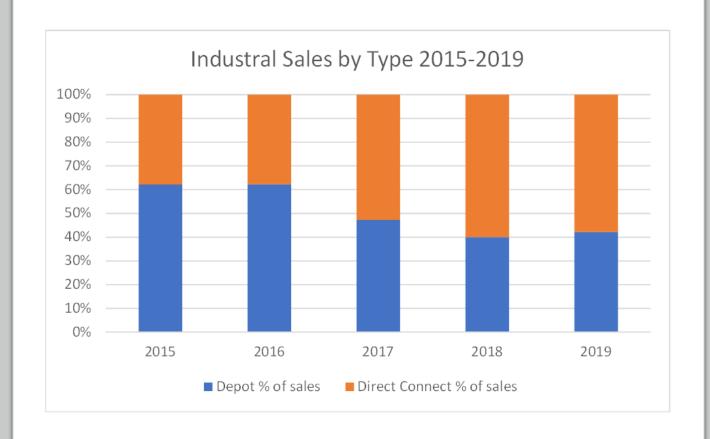


IWP/non-WAWSA

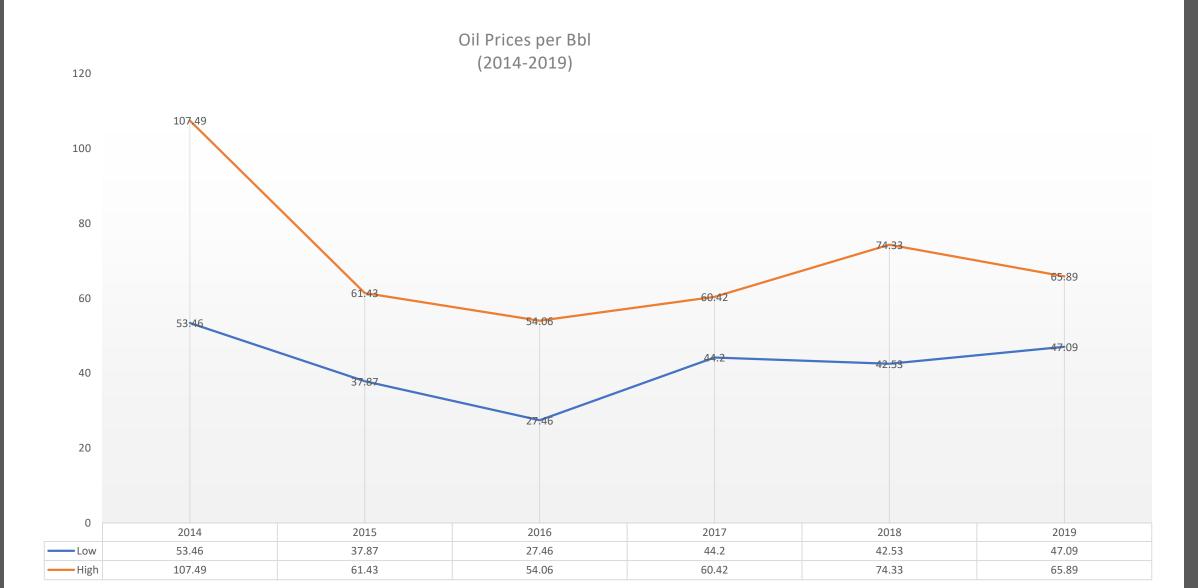




- 2014 | 2015 \$0.84/bbl
- 2017 Volume-based contracts
- 2018 | 2019 Volume-based contracts were discouraged
- 2019 Excessive precipitation created an abundance of surface water





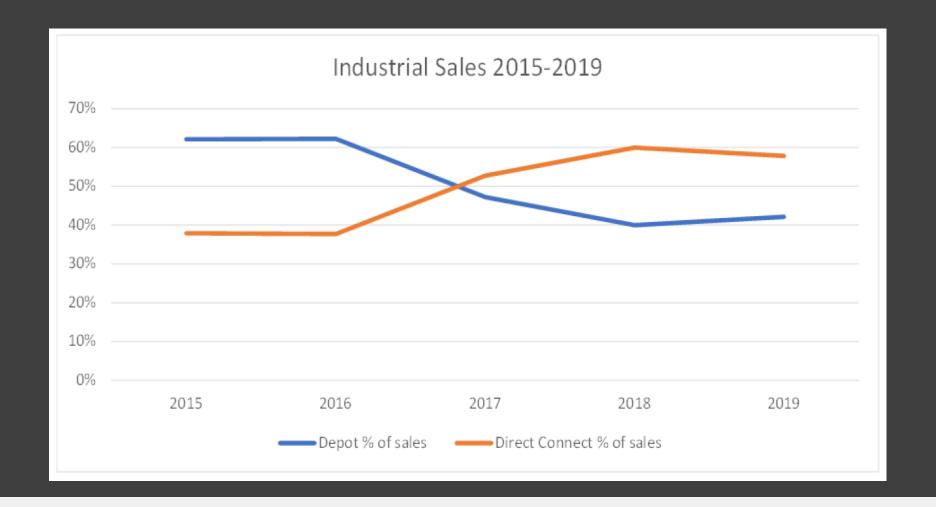


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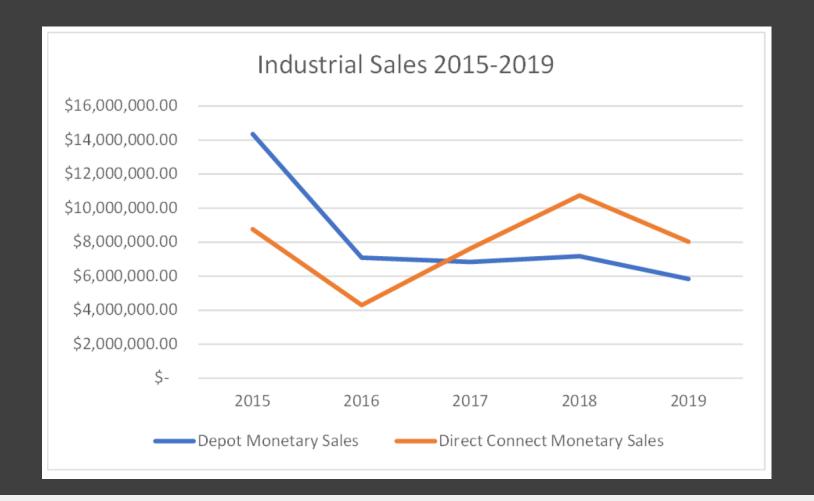
Industrial Water Sales (2014-2019)







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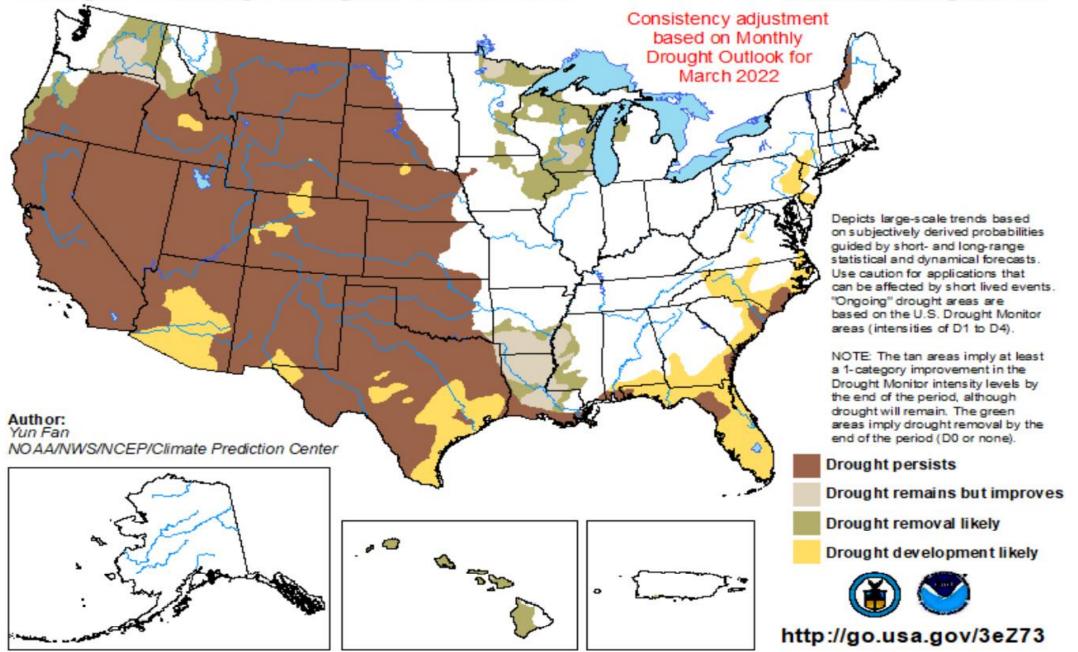


Missouri River Basin Water Management



U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for March 1 - May 31, 2022 Released February 28, 2022



Mountain and Plains Snowpack

Mountain snowpack in the upper Missouri River Basin is accumulating at below-average rates.

The February mountain snowpack in the Fort Peck reach was 80% of average.

Mountain snowpack in the Fort Peck to Garrison reach was 82% of average.

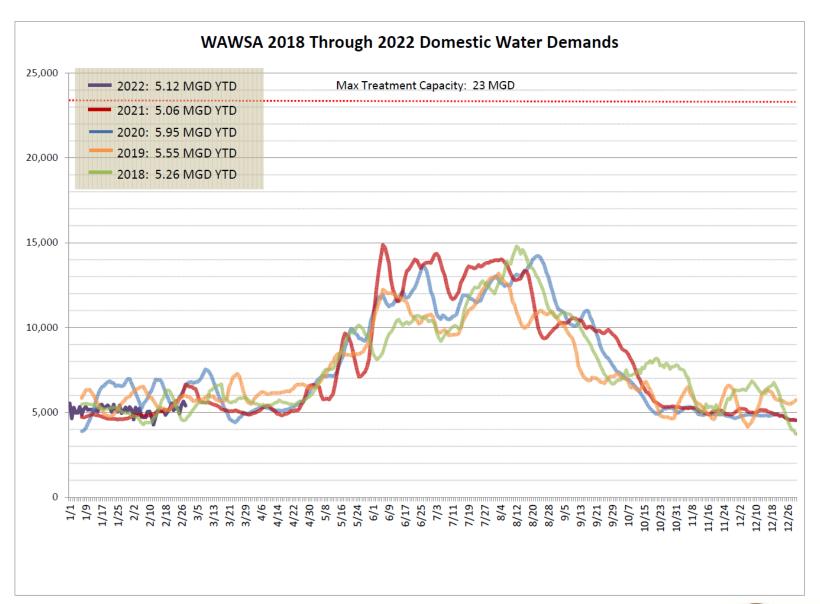
By March 1, about 80% of the total mountain snowpack has typically accumulated.

Mountain snowpack normally peaks near April 15.

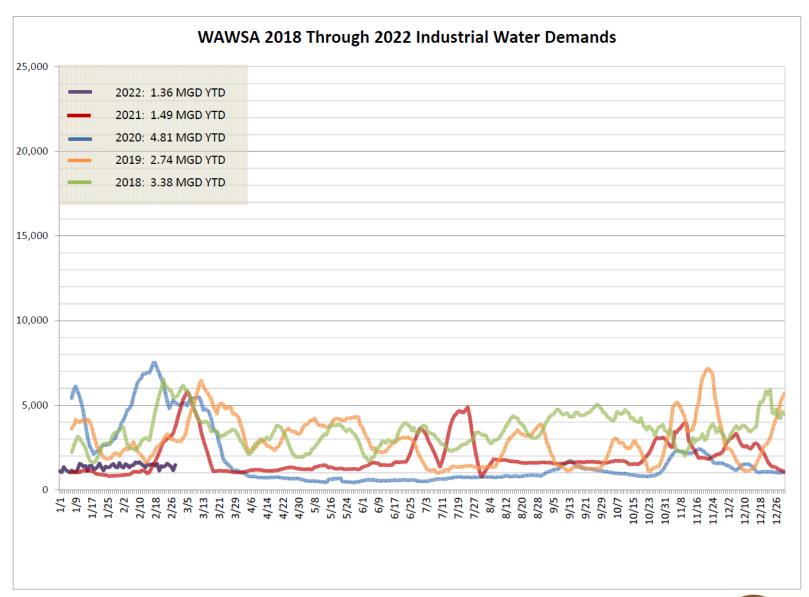
Currently, plains snowpack in the upper Missouri River Basin is very light to non-existent.

Source: USACE https://go.usa.gov/xt7UH



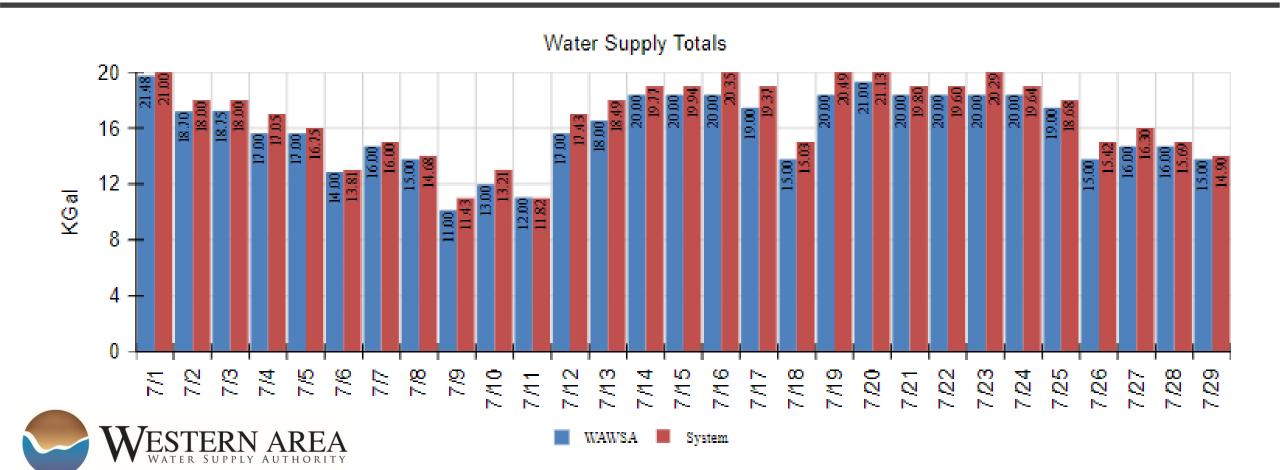






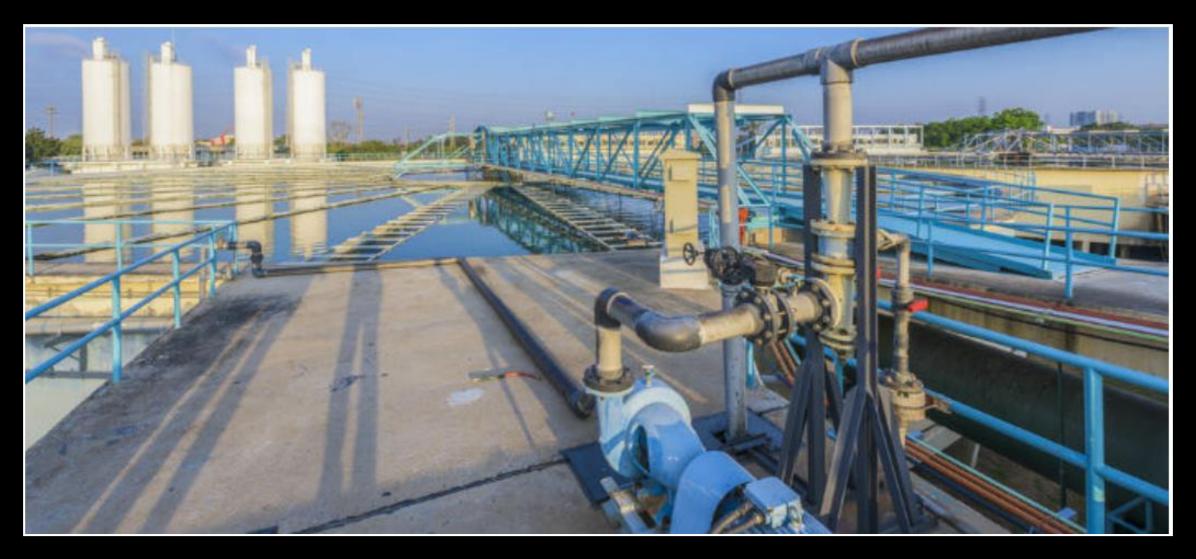


Plant Capacity





Ground Water



Treated Effluent

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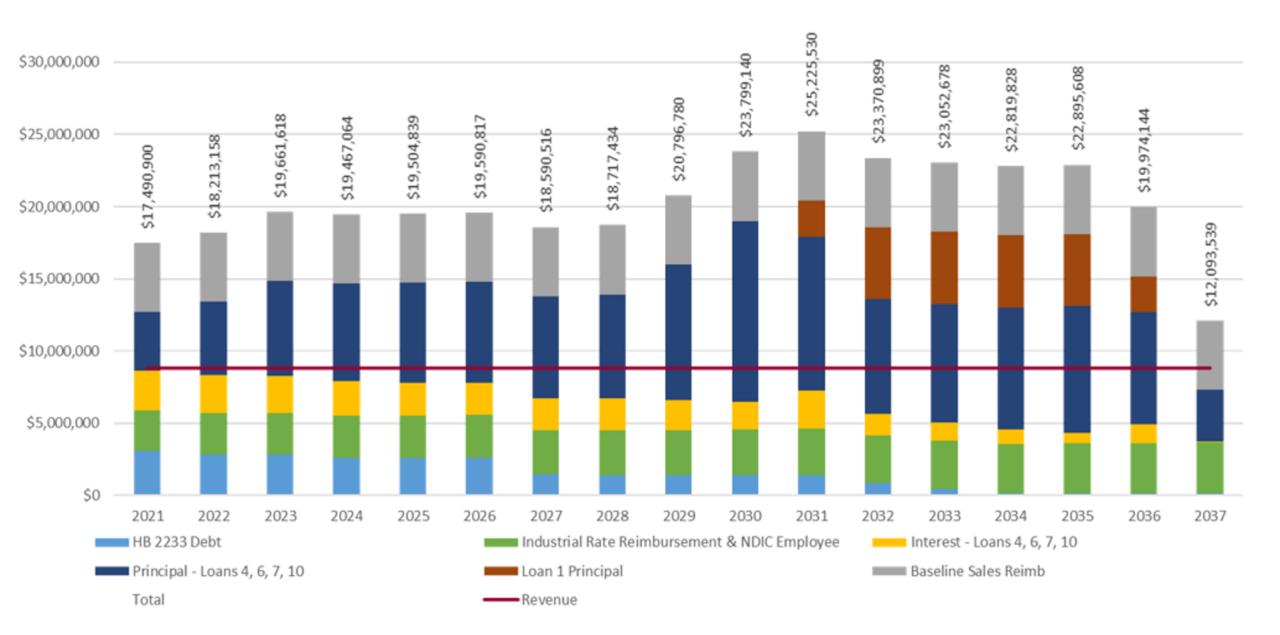
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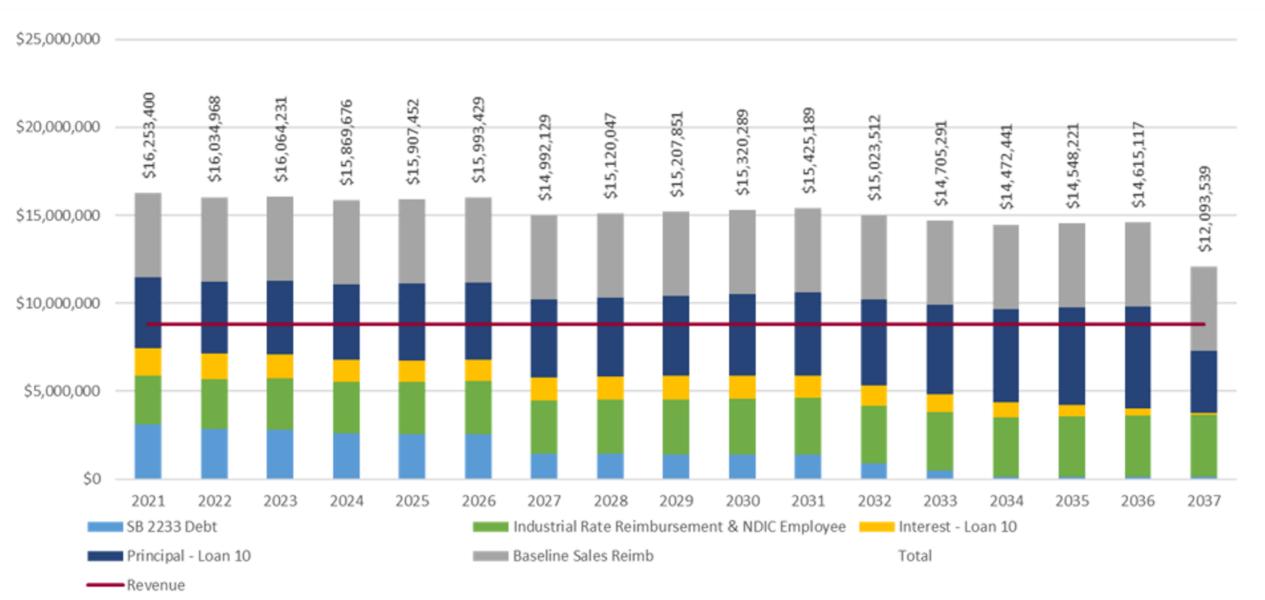
Is this debt load sustainable?







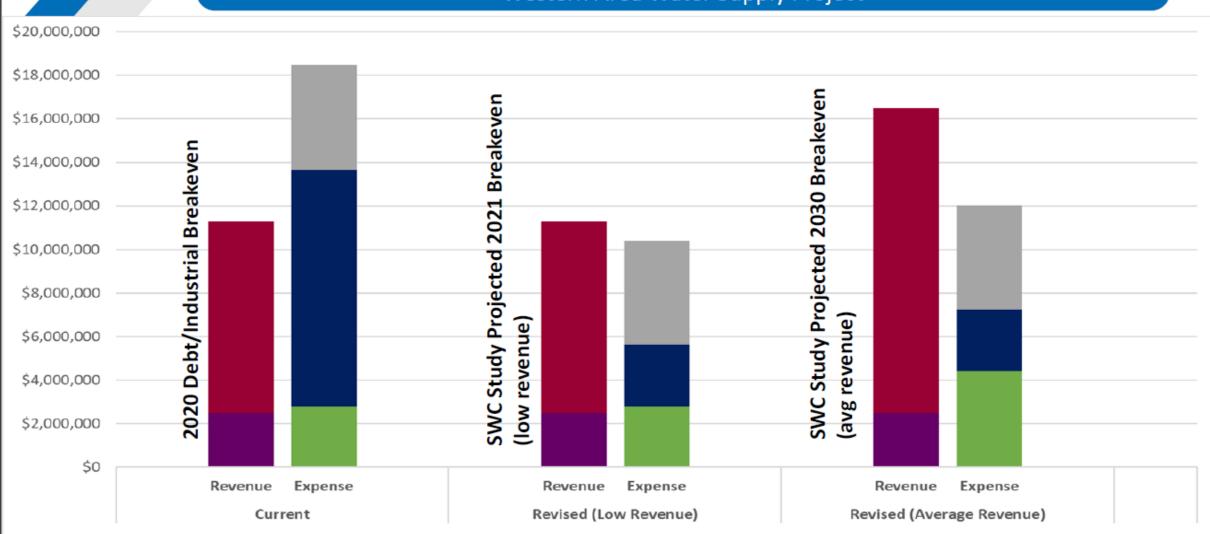




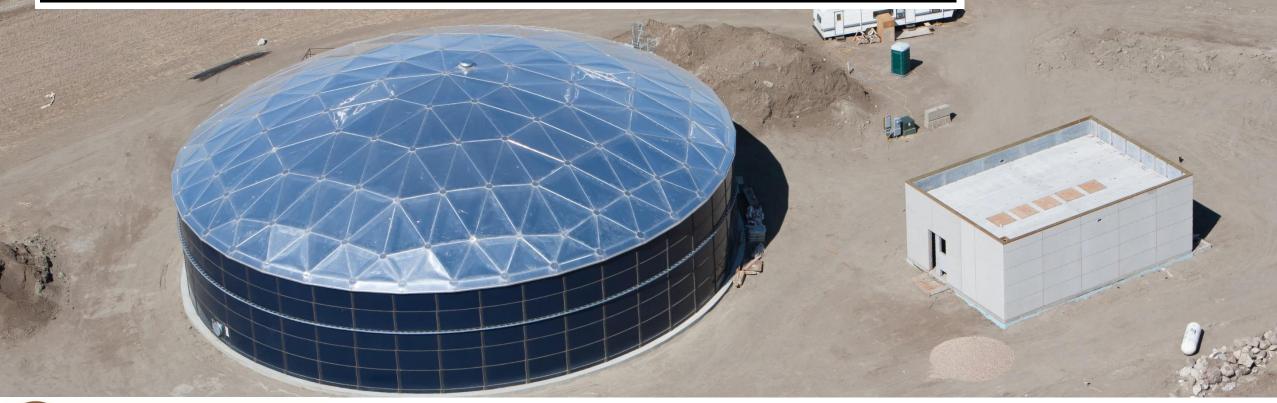
What does this mean to WAWS?

Governance Study





Member Entity	Year		Growth (2011-2022)
	2011	2022	(2011-2022)
McKenzie County Water Resource District	200	1466	633%
Northwest Rural Water BDW	1383	2639	91%
R&T Water	90	800	789%
Total Connections	1673	4905	193%







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