



WATER TOPICS OVERVIEW COMMITTEE

September 22 & 23, 2016

Brynhild Haugland Room

State Capitol, Bismarck ND

ERIC VOLK, EXECUTIVE DIRECTOR
ND RURAL WATER SYSTEMS

BLAKE CROSBY, EXECUTIVE DIRECTOR
ND LEAGUE OF CITIES



GENERAL INFORMATION:

- ✓ 357 incorporated cities
- ✓ 252 serviced by rural water
- ✓ 85 cities have a water treatment plant
- ✓ 20 cities have individual wells



HANDOUT:

- ❖ Water treatment plant operators certification guidelines.



**NUMBER OF CITIES WITH WATER
TREATMENT PLANTS: 86**
**NUMBER OF CITIES WITH PROPERLY
CERTIFIED WTP OPERATORS: 62**

TURNOVER INFORMATION: BASED ON
RESPONSES FROM RURAL WATER FIELD WORKERS
AND CITY AUDITORS THE TURNOVER IS 25%-30%
ANNUALLY.



NDCC Statutory Barriers:

- ❖ Nothing specific to water.
- ❖ NDCC 40-33-16. **Municipality may Purchase water for distribution.**
 - ❖ Allows a city to purchase water on a 40 year contract.
 - ❖ Ordinance must go to the voters.
(specificity)
- ❖ NDCC 40-11 **Ordinances.**
 - ❖ Explains the municipal ordinance process:
 - ❖ Ordinance created by governing body
 - ❖ 1st Reading
 - ❖ 2nd Reading
 - ❖ Majority Vote of Council to approve ordinance.



❖ Barriers to Regionalization:

❖ Eric

- ❖ Affordability (life cycle costs)
- ❖ Household Income
- ❖ Size of rural water pipeline
- ❖ Geography (hills, coulees, draws, sloughs, etc)

❖ Blake

- ❖ Demographics (fixed income population)
- ❖ Loss of local control (self reliance)
- ❖ Bonding limits
- ❖ Current debt load and taxable valuation
 - ❖ Multiple loans to service and reserve requirements



INTERIM WATER TOPICS COMMITTEE STUDY OF RURAL WATER SYSTEMS PROXIMITY
TO CITIES WITH A WATER TREATMENT PLANT

CITY	2015 TAXABLE VALUATION	2015-16 CITY REVENUE FROM PROPERTY TAXES ONLY	WATER BILLINGS PER MONTH	HOUSEHOLD MEDIAN INCOME	COST	COST AT 25% LOAN AND 10% CAPITAL RESERVE	AMOUNT AT 2.5% OVER 30 YEARS	COST PER USER	ANNUAL DEBT SERVICE PER USER OVER 30 YEARS
Ashley	\$ 900,411	\$ 81,000	500	\$ 27,188	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$8,750)	(\$291.67)
Bowman	\$ 4,846,234	\$ 300,000	850	\$ 63,750	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$5,147)	(\$171.57)
Flaxton	\$ 135,469	\$ 6,500	40	\$ 37,500	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$109,375)	(\$3,645.83)
Grenora	\$ 2,356,839	\$ 23,201	130	\$ 52,500	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$33,654)	(\$1,121.79)
Harwood	\$ 2,361,710	\$ 24,000	285	\$ 84,583	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$15,351)	(\$511.70)
Horace	\$ 9,666,683	\$ 300,127	450	\$ 93,958	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$9,722)	(\$324.07)
Marmarth	\$ 173,038	\$ 5,400	90	\$ 33,750	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$48,611)	(\$1,620.37)
Mercer	\$ 125,319	\$ 3,000	67	\$ 31,875	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$65,299)	(\$2,176.62)
New Rockford	\$ 1,822,160	\$ 188,217	645	\$ 42,969	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$6,783)	(\$226.10)
Washburn	\$ 4,243,121	\$ 265,000	652	\$ 61,563	\$5,000,000	\$1,750,000.0	(\$4,375,000)	(\$6,710)	(\$223.67)



REAL LIFE EXAMPLE:

USING THE CITIES OF WING AND TUTTLE:

- APPROX. 38 MILES OF LINE
NEEDED WITH A TANK AND PUMP
STATION.
- COST OF \$6-\$8 MILLION.
- WING HAS A MEDIAN AGE OF 45
- TUTTLE MEDIAN AGE OF 59
 - PRESUMING 100 CONNECTIONS:
 - THE COST IS \$60,000 TO
\$80,000 PER CONNECTION.
 - HMI FOR TUTTLE \$30,417
 - HMI FOR WING \$42,125



QUESTIONS?

