

WATER INFRASTRUCTURE Funding Needs



! \$43 MILLION IN WATER INFRASTRUCTURE NEEDS IN THE 2017-2019 BIENNIUM

#1 Oil Producing County

- McKenzie County accounts for more than 1/3 of State oil production
- McKenzie County generated \$413.5 Million in Oil and Gas Gross Production Tax in FY 2015

Benefit of Prior Infrastructure Funding Substantial

Watford City has leveraged a mixture of local and state resources to construct over \$15 million in water infrastructure to serve a population that has grown nearly 500 percent since 2010. These efforts have included two new water towers, pressure zone improvements, main upsizing, and miles of utility extensions. Despite these expenditures, much work remains to “catch-up” on critical water system improvements.

Still Work Left to Do to Meet the City’s Needs

Near-term water infrastructure will support an increasing level of service to existing residents and businesses and provide new opportunities for continued growth.

2017	2018	2019	2020 & Beyond
\$9.0 Million	\$23.7 Million	\$10.6 Million	\$15.2 Million

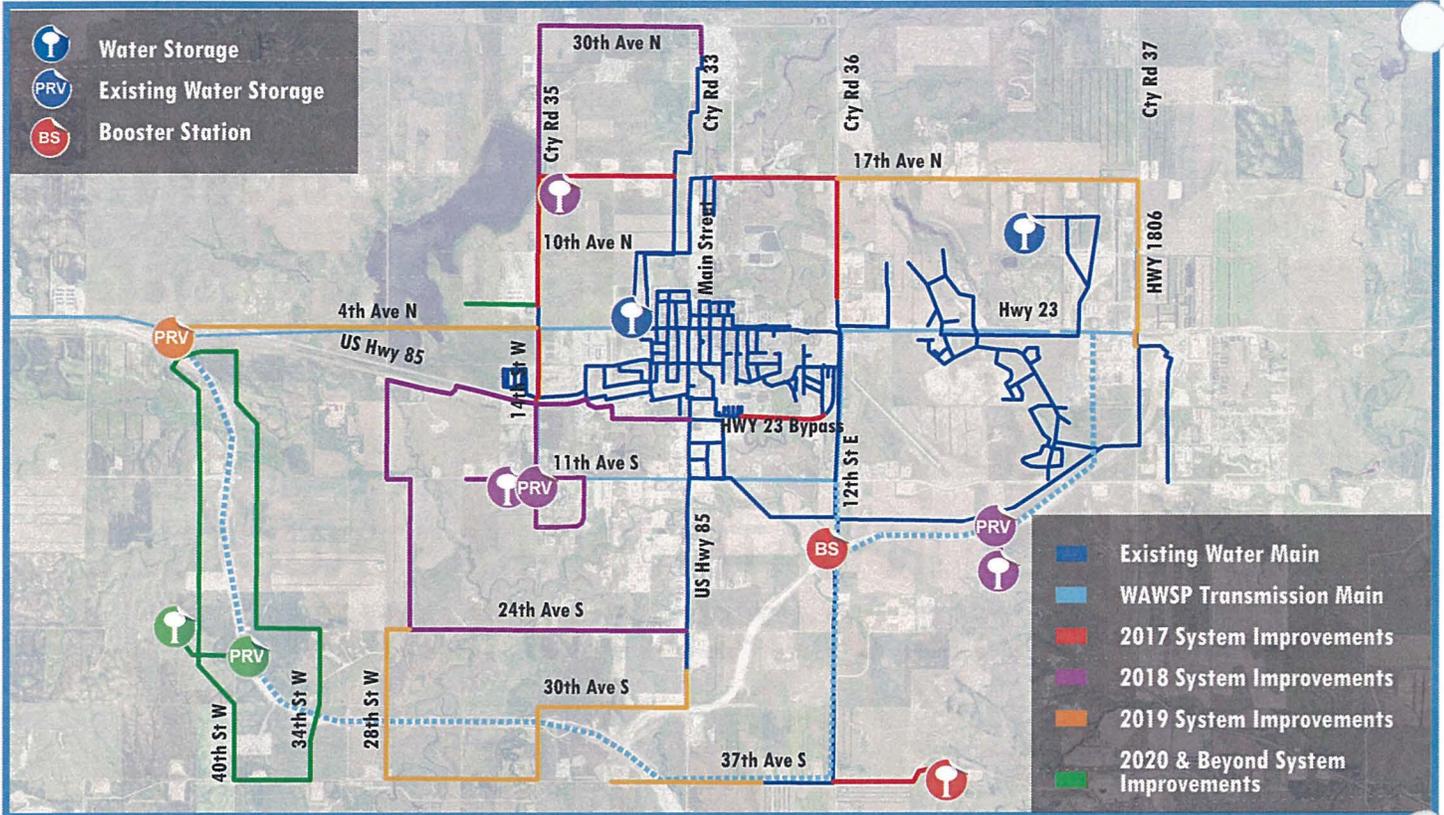
Surge Funding

- \$32 Million Allocated to City
- \$4.2 Million Dedicated to Trunk Water Infrastructure
- Remaining Funds Applied to Associated Trunk Infrastructure Improvements for Sewer, Roads, and Drainage Throughout the City - See Page 3 for More Information

Identifying Funding Sources

The City evaluates project funding on a case-by-case basis from available resources with the process currently ongoing for capital projects listed on the following page.





WATER SYSTEM IMPROVEMENTS

SWC Projects Listed on 2017-2018 State Water Plan

2017 Projects

14th St W (between US HWY 85 and 4th Ave N)	\$489,000	12th St E (between HWY 23 and 17th Ave N)	SWC	\$770,000	14th St W (between 6th Ave N and 17th Ave N)	SWC	\$603,000
HWY 23 Bypass Loop	SWC	\$385,000	17th Ave N (between Main St and 14th St W)	SWC	\$728,000	Southeast Pressure Zone (Ground Storage Reservoir - 1.0 MG, Pump Station, and Transmission Main)	\$5,200,000
17th Ave N (between Pheasant Ridge and 12 St E)	SWC	\$801,000					

2017 SUBTOTAL: \$8,976,000

2018 Projects

14th St W (between US HWY 85 and 17th Ave S including PRV)	\$876,000	30th Ave N (between Main St and 14th St W)	\$1,028,000	US HWY 85 and 3rd Ave S (between 14th St W and Main St)	SWC	\$1,038,000	
11th Ave S (between 11th St W and 21st St W)	SWC	\$692,000	11th St W (south of 11th Ave S and 15th Ave S east of 14th St W)	SWC	\$519,000	East Zone South Reservoir - 2.0 MG (including PRV and transmission main)	\$5,408,000
24th Ave S (between 26th St W and Main St)	\$1,860,000	26th St W (between 11th Ave S and 24th Ave S)	\$995,000	Emerald Water Tower - 1.0 MG		\$4,554,000	
14th St W (between 17th Ave N and 30th Ave N)	\$1,006,000	28th St W (between US HWY 85 and 11th Ave S)	\$811,000	Southwest Water Tower - 0.75 MG (SW Pressure Zone)	SWC	\$3,926,000	
US HWY 85 (between 14th St W and 28th St W)	SWC	\$1,006,000					

2018 SUBTOTAL: \$23,719,000

2019 Projects

37th Ave S (between 7th St W and 6th St E)	\$866,000	30th Ave S (between 14th St W and Main St including 14th St W south to 37th Ave S)	\$1,496,000	HWY 1806 (between HWY 23 and 17th Ave N)	\$1,024,000	
37th Ave S (between 28th St W and 14th St W)	\$866,000	17th Ave N (between 12th St E and 37th St E)	SWC	\$1,755,000	4th Ave N (between HWY 85 Bypass and 14th St W including PRV)	\$3,577,000
28th St W (between 24th Ave S and 37th Ave S)	\$1,012,000					

2019 SUBTOTAL: \$10,596,000

2020 & Beyond Projects

6th Ave N (west of 14th St W)	\$453,000	HWY 85 Bypass East Loop (south half between 17th Ave S and 37th Ave S)	\$2,028,000	HWY 85 Bypass West Loop (south half between 17th Ave S and 37th Ave S)	\$2,279,000
HWY 85 Bypass East Loop (north half between 17th Ave S and 1st Ave S)	\$1,969,000	HWY 85 Bypass West Loop (north half between 17th Ave S and 1st Ave S)	\$1,540,000	West Water Tower - 1.5 MG (including transmission main and PRV)	\$6,932,000

2020 & BEYOND SUBTOTAL: \$15,201,000

GROWTH IN TOTAL INFRASTRUCTURE SERVICE

WHAT'S NOW

TRANSPORTATION EFFORTS

\$44.0 Million

Arterial Corridors:
11th Ave | 4th Ave
17th Ave NE | 12th St SE

Funding Breakdown:
\$27.8 Million Surge
\$6.2 Million McKenzie Co.
\$10.0 Million ND DOT

SEWAGE IMPROVEMENTS

\$46.8 Million

\$35 Million: Mechanical Treatment Implementation
\$11.8 Million: Collection System, Force Mains, and
Lift Stations

Funding Breakdown:
\$35 Million State Revolving Fund Loan
\$11.8 Million Energy Impact Grants

WHAT'S NEXT

TRANSPORTATION

\$30.8 Million

in Projects to Connect
Arterial Road Network

Main St N | 17th Ave NE | 17th Ave NW
14th St W | 12th St NE

**City Still Identifying Mix
of Funding Sources**

SEWAGE

\$54.1 Million

in Collection System Improvements

2017	2018	2019
\$18.0 Million	\$18.7 Million	\$17.4 Million

\$21.6 Million
in Treatment Improvements



Other Ongoing Infrastructure Service Improvements

Funding Snapshot: Fox Hills Special Improvement District

\$26 Million Special Assessment Debt to fund water, wastewater, stormwater, and road infrastructure to serve the new High School, Events Center, and surrounding area.

