

# WESTERN AREA WATER SUPPLY PROJECT OVERVIEW

*Presented To:*

**Energy Development and  
Transmission Committee**

*Presented By:*

**Jaret Wirtz  
Executive Director**

**September 2015**



**WESTERN AREA**  
WATER SUPPLY AUTHORITY

# Founding Member Entities



**City of Williston**

**Williams Rural  
Water District**

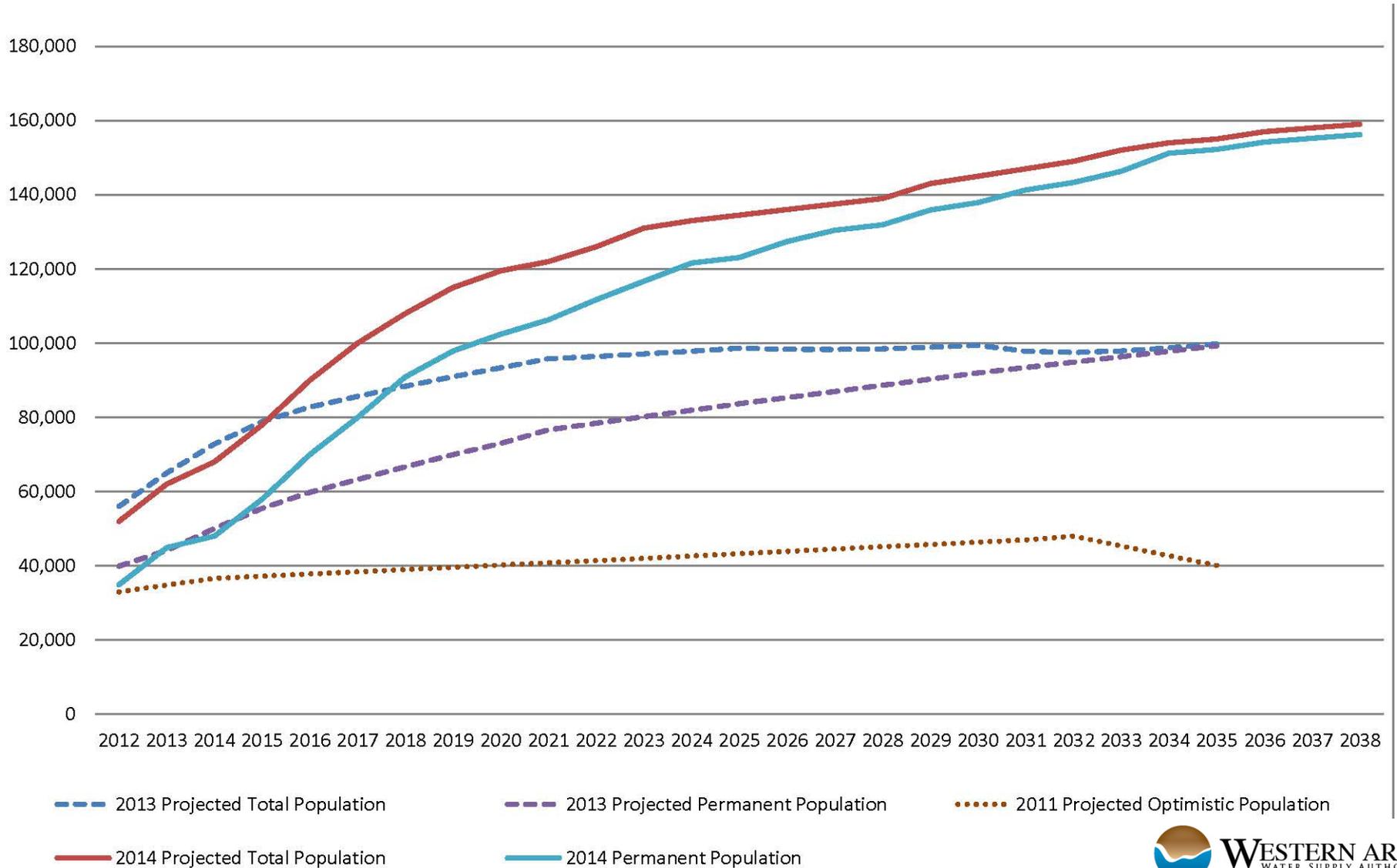
**McKenzie Water  
Resources District**

**R&T Water Supply  
Association**

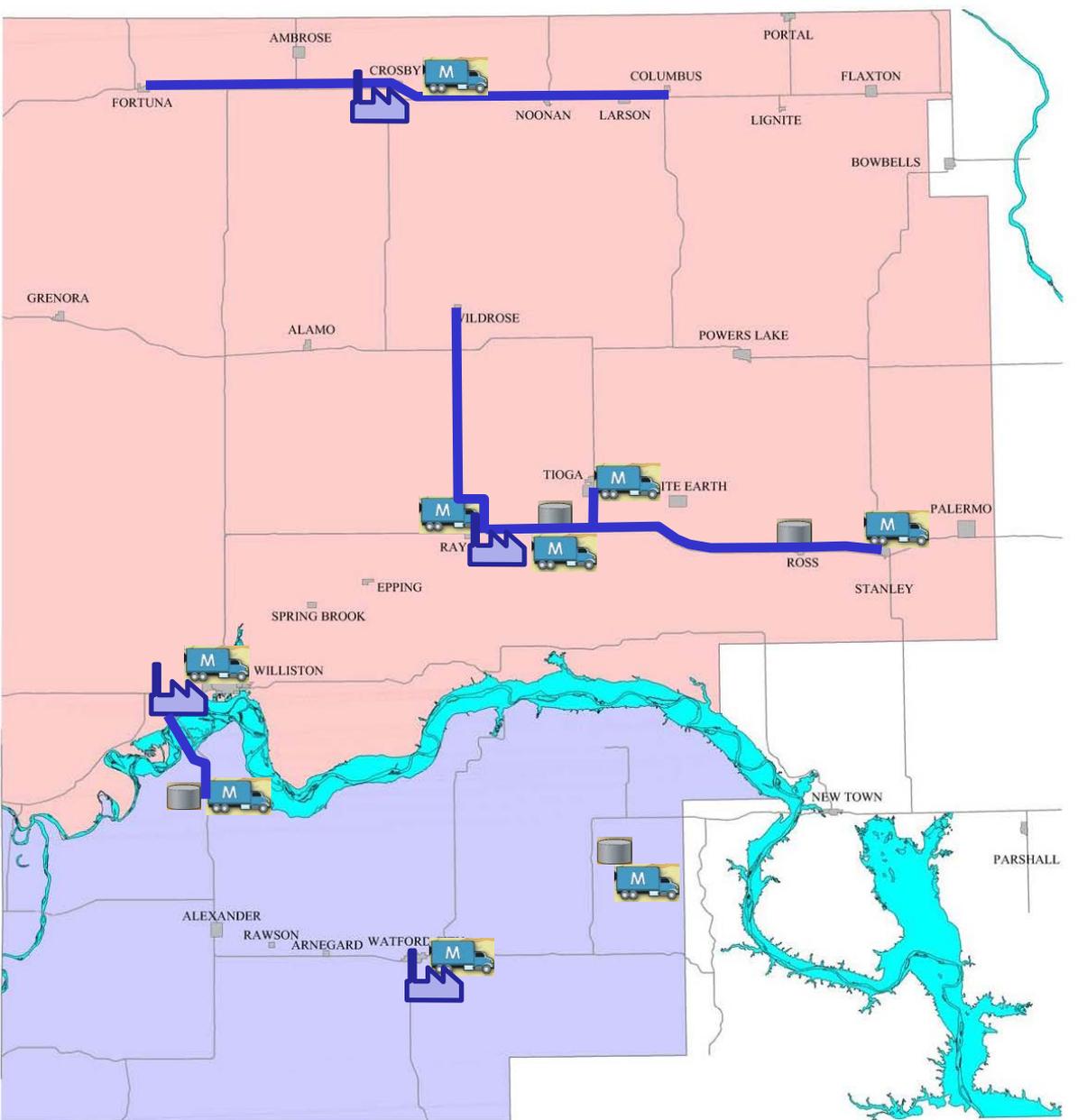
**\*BDW Added  
Legislatively**



# 2014 Population Projections

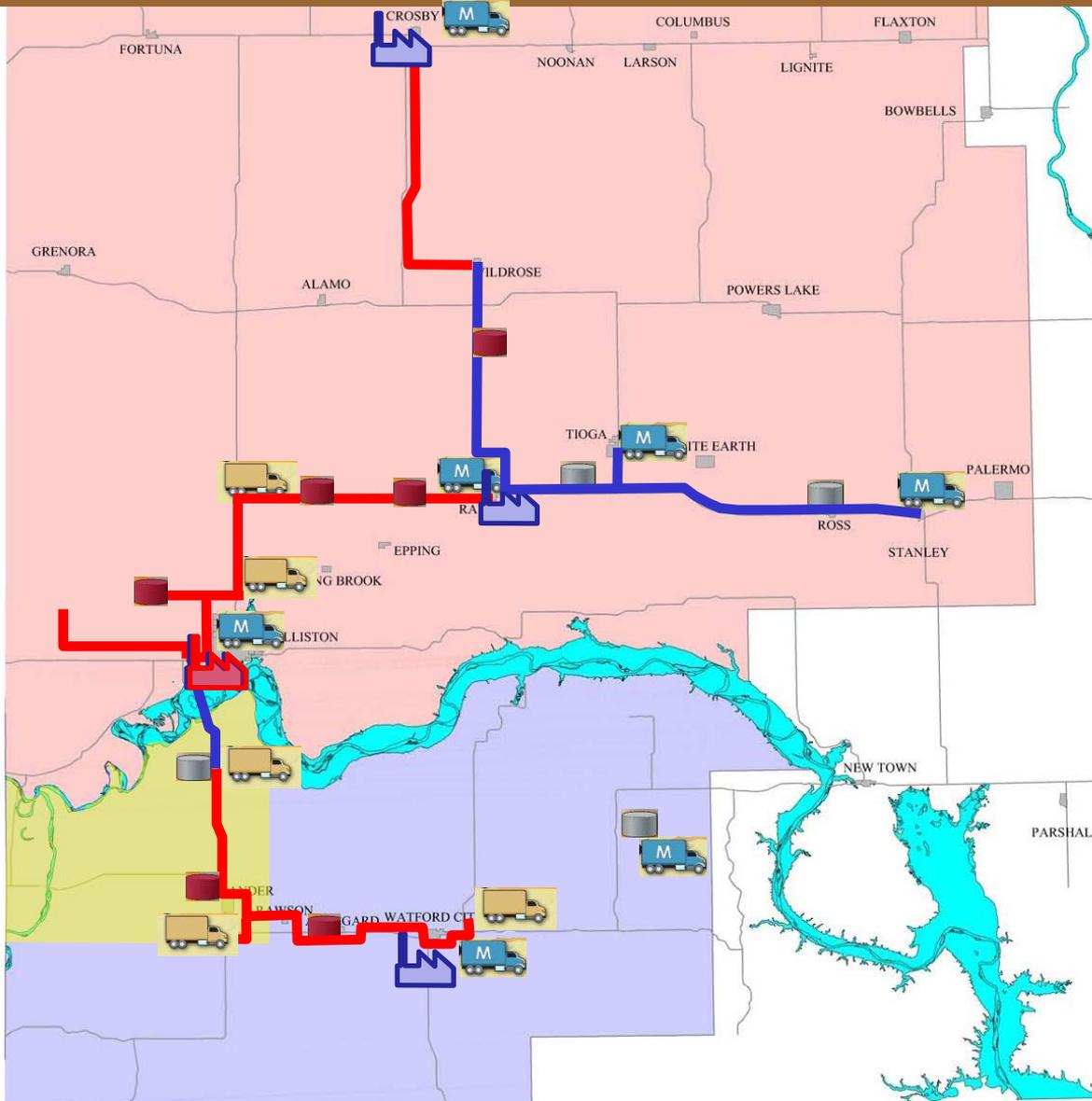


# Pre-WAWSA Member Existing Infrastructure



-  Water Plant
-  Fill Depot
-  Reservoir/Pump Station
-  Transmission Main

# WAWSA 2011-2013 Improvements (Phases I-II)



Water Plant



Fill Depot



Reservoir/Pump Station



Transmission Main



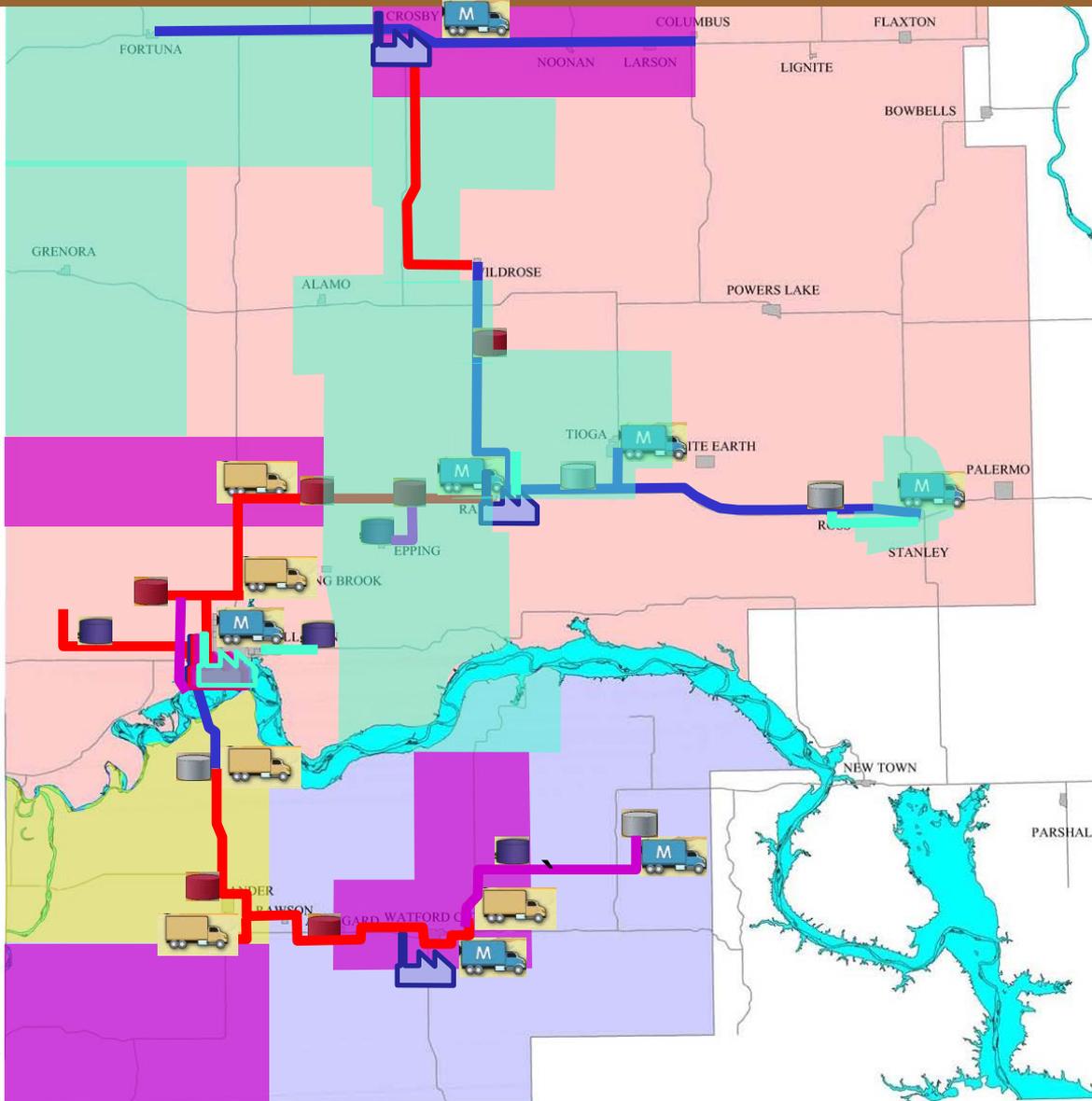
Rural Water Service Areas

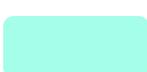


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# WAWSA 2015-2017 Improvements (Phase IV)



-  Water Plant
-  Fill Depot
-  Reservoir/Pump Station
-  Transmission Main
-  Rural Water Service Areas

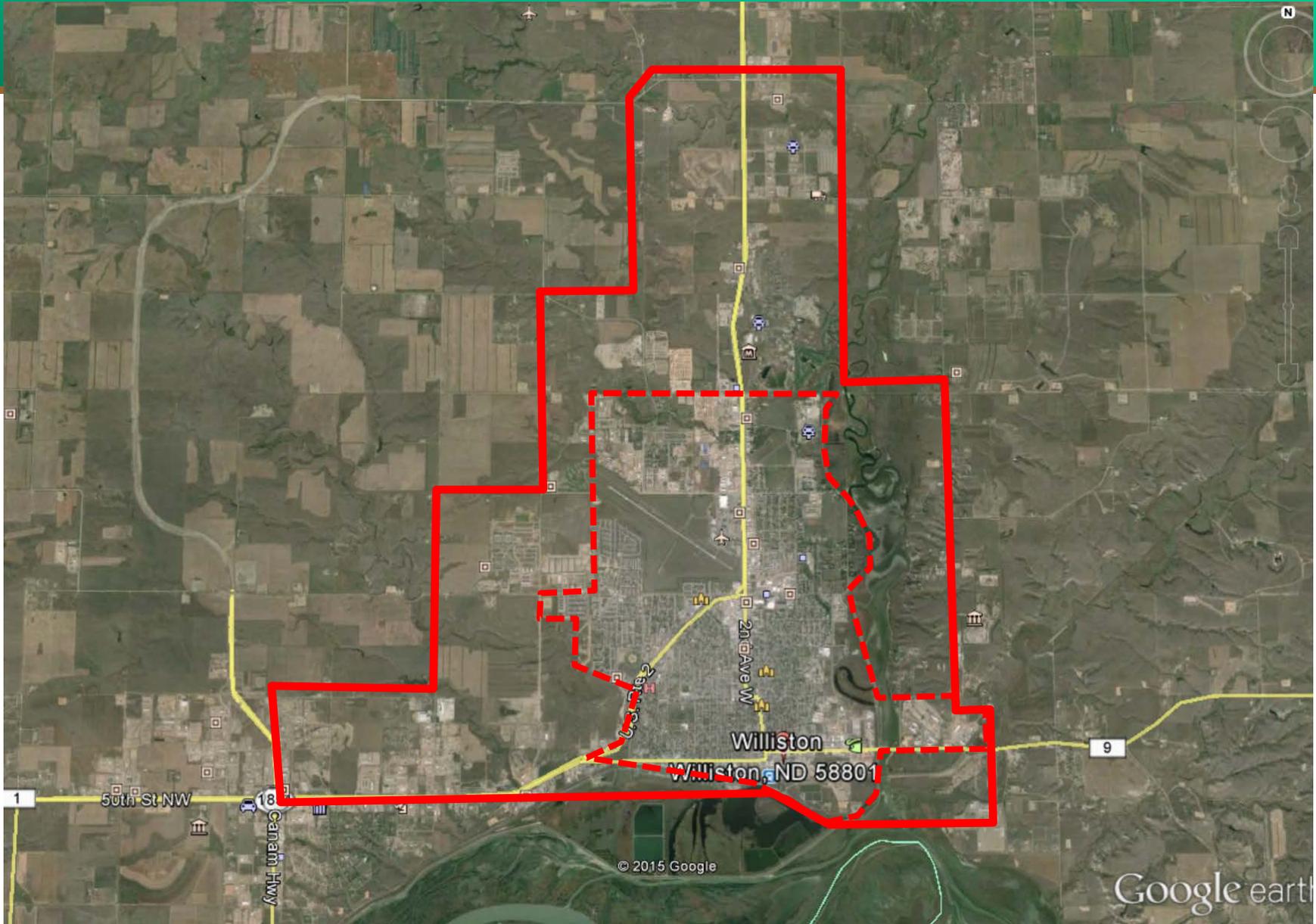
670 Miles of Pipe Constructed

505 Miles of Pipe Under Design/Construction

# Capital Accounting

	July 2015
Approved Contracted Funding	\$259,000,000
Contracted To Date	\$247,845,003
Actual To Date	\$210,604,826
Best Estimate To Date	\$479,386,196

# Williston Growth



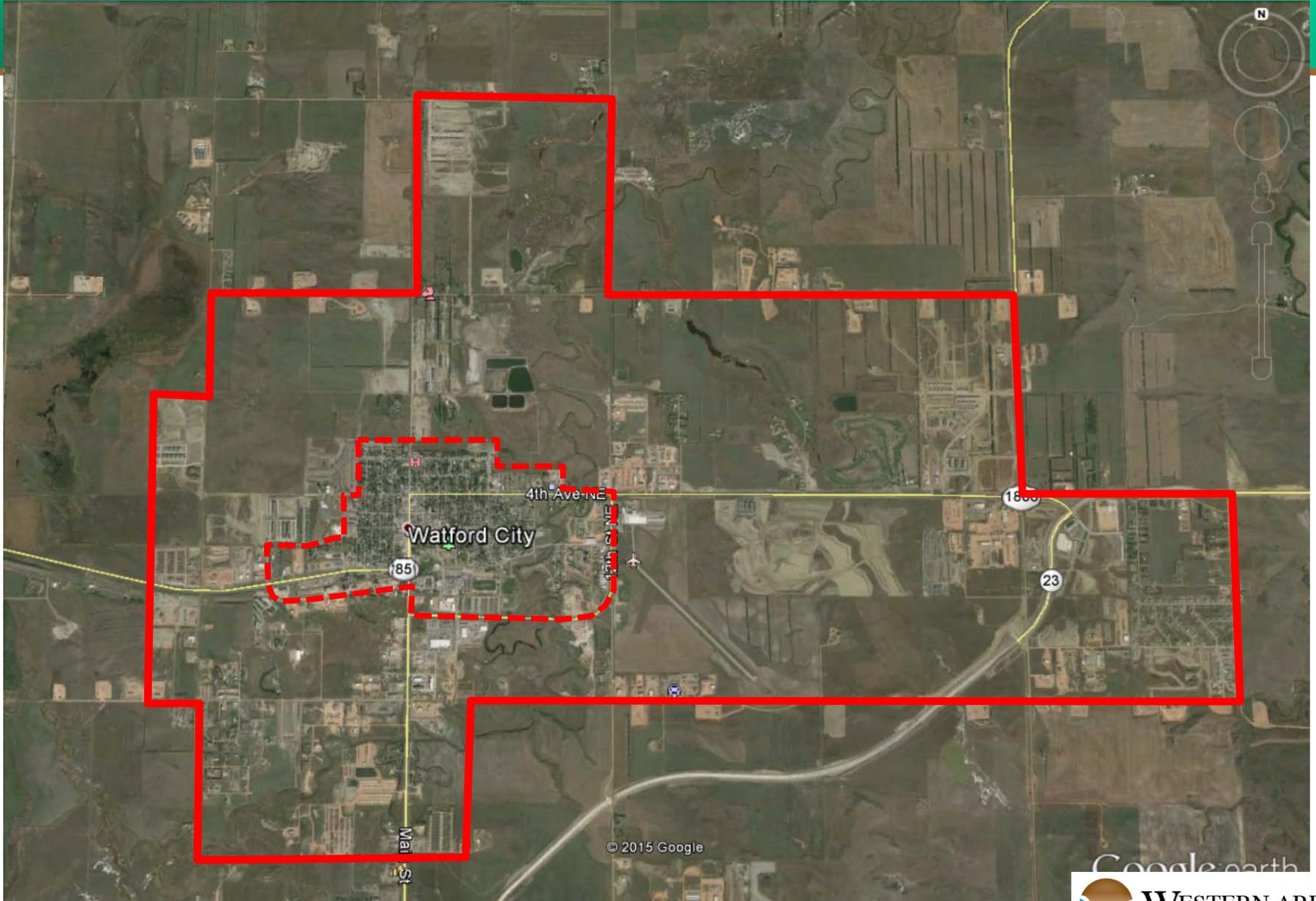
# Williston Growth



# Williston Growth



# Watford City Growth



# Watford City Growth



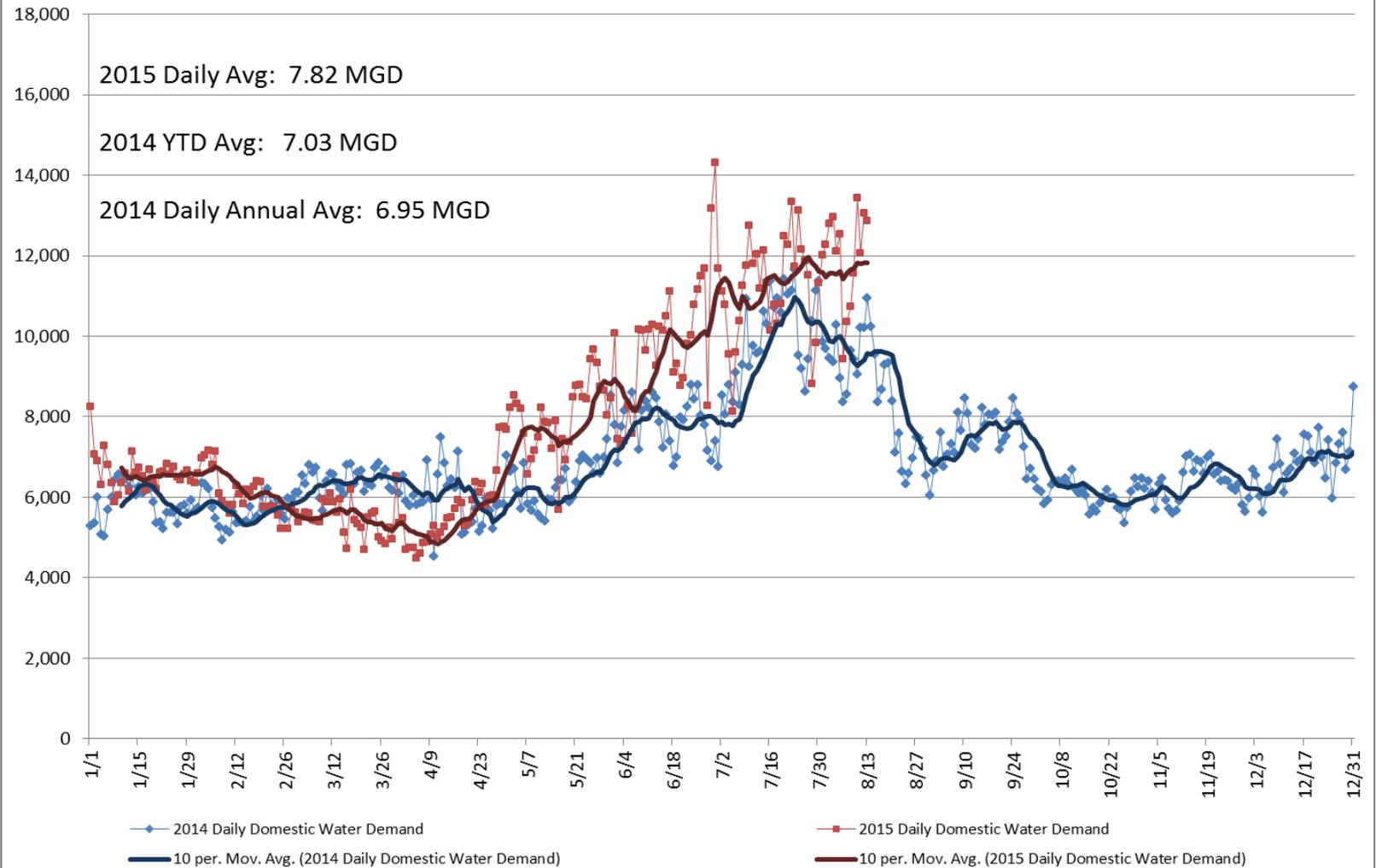
# Watford City Growth



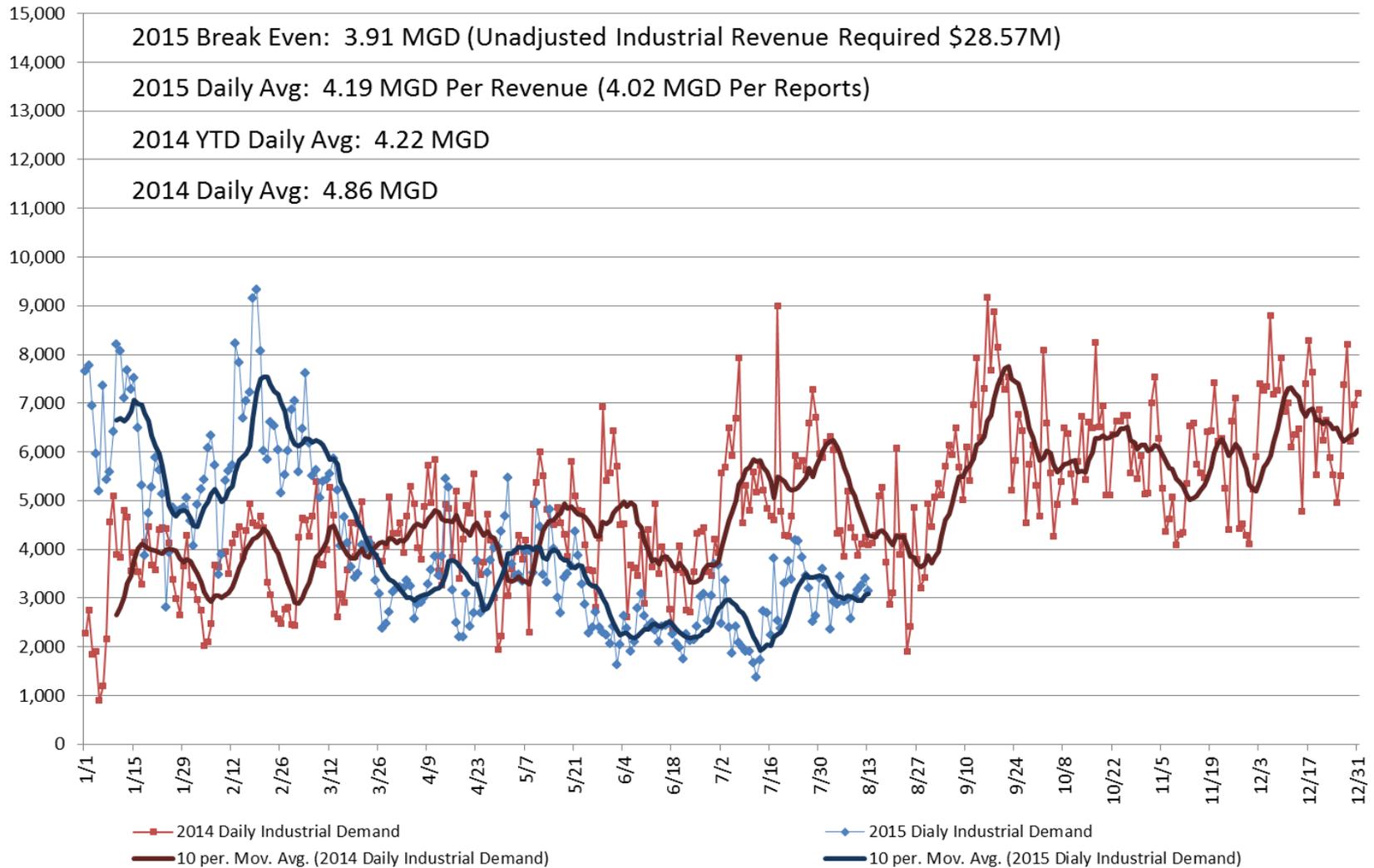
# Watford City Growth



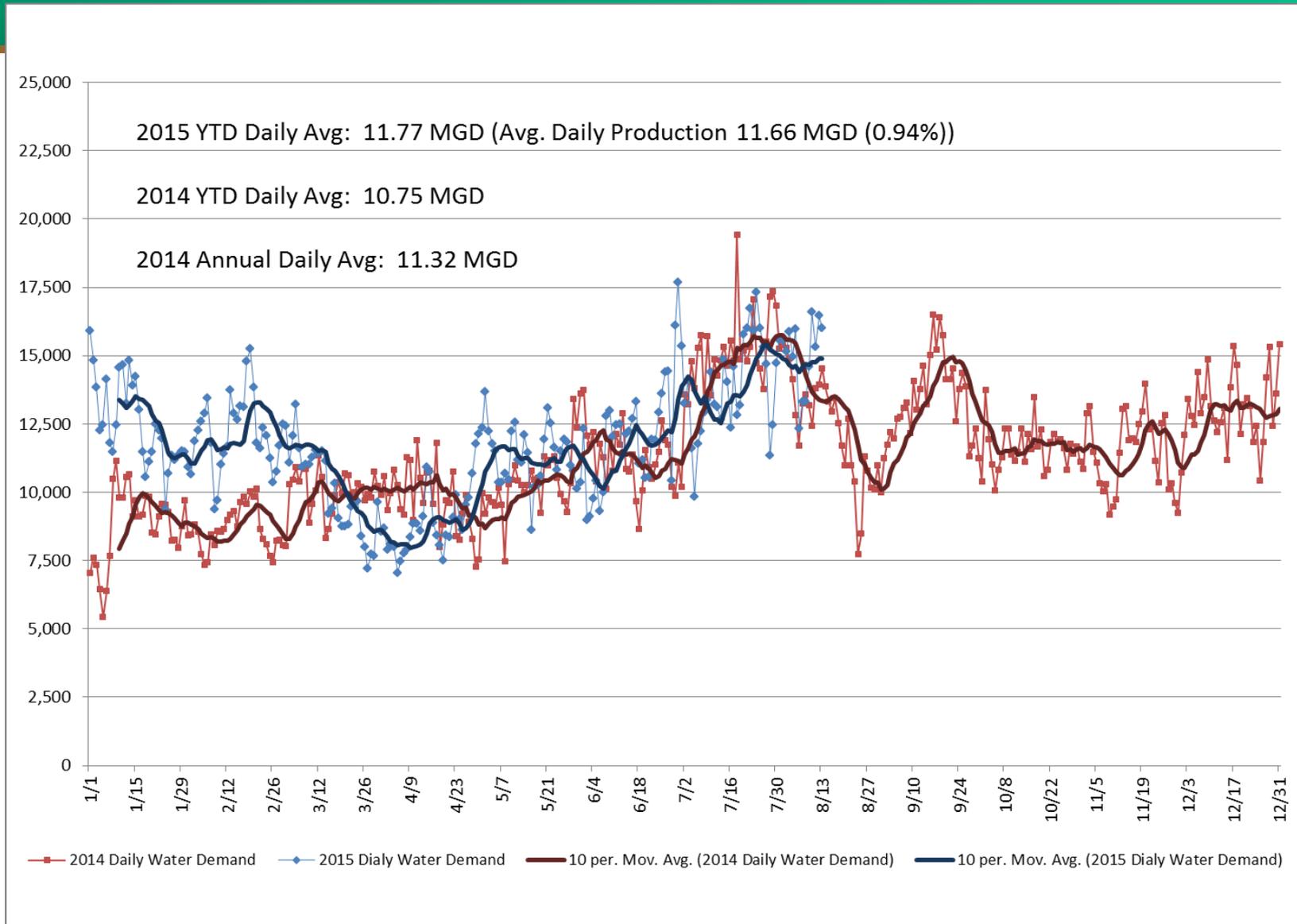
# Domestic Water Demands



# Industrial Water Demands



# Total Water Demands



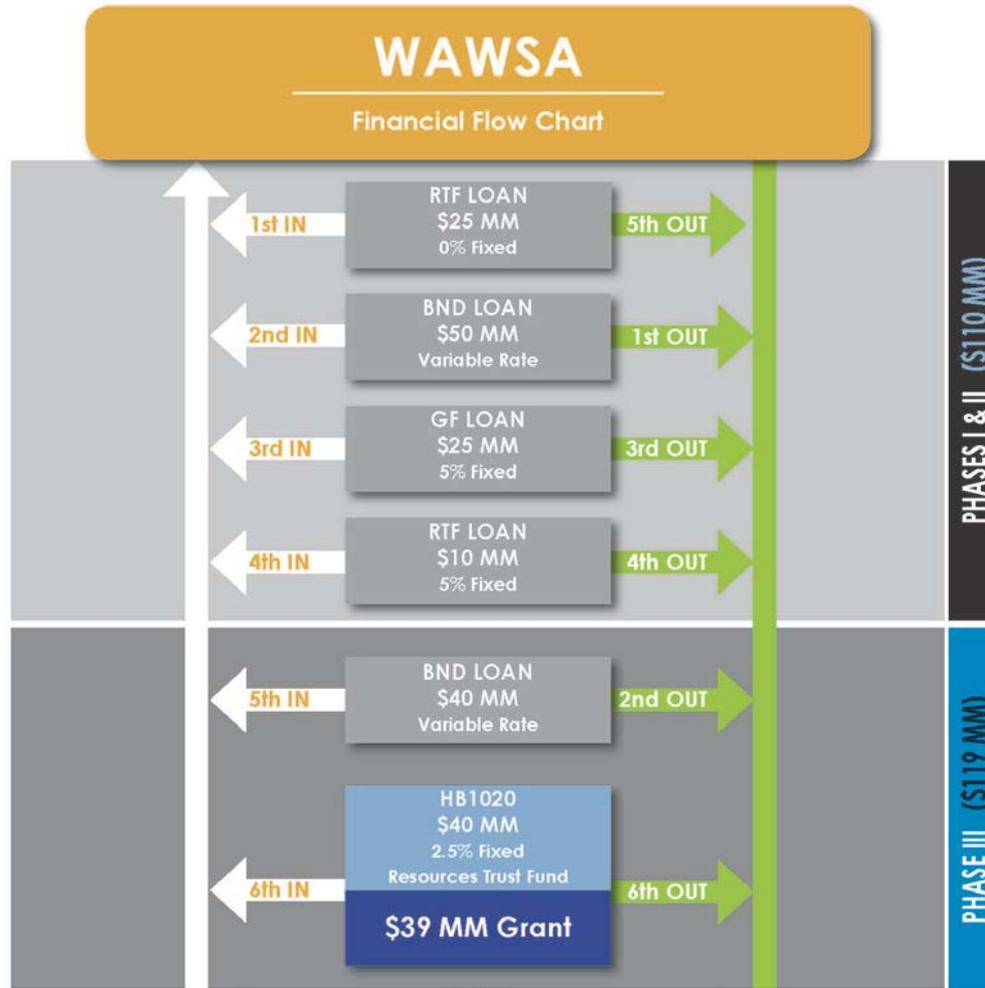
# WAWSA Interest & Principal Payments

Loan	Source	Amount	Rate	Interest	Principal	Balance
Loan #1	RTF	\$25M	0.00%	\$0	\$0	\$25,000,000
Loan #2	BND	\$50M	2.00%	\$2,579,320	\$19,616,109	\$30,383,891*
Loan #3	NDGF	\$25M	5% (F)	\$2,949,261	\$0	\$25,000,000
Loan #4	RTF	\$10M	5% (F)	\$929,544	\$0	\$10,000,000
Loan #5	BND	\$40M	1.75% (F)	\$912,328	\$250,160	\$39,749,840
Loan #6	RTF	\$20M	2.5% (F)	\$313,545	\$0	\$20,000,000
Loan #7	RTF	\$19.5M	2.5% (F)	\$28,075		\$12,156,447
Totals		\$170M		\$7,712,073	\$19,866,269	\$143,459,727

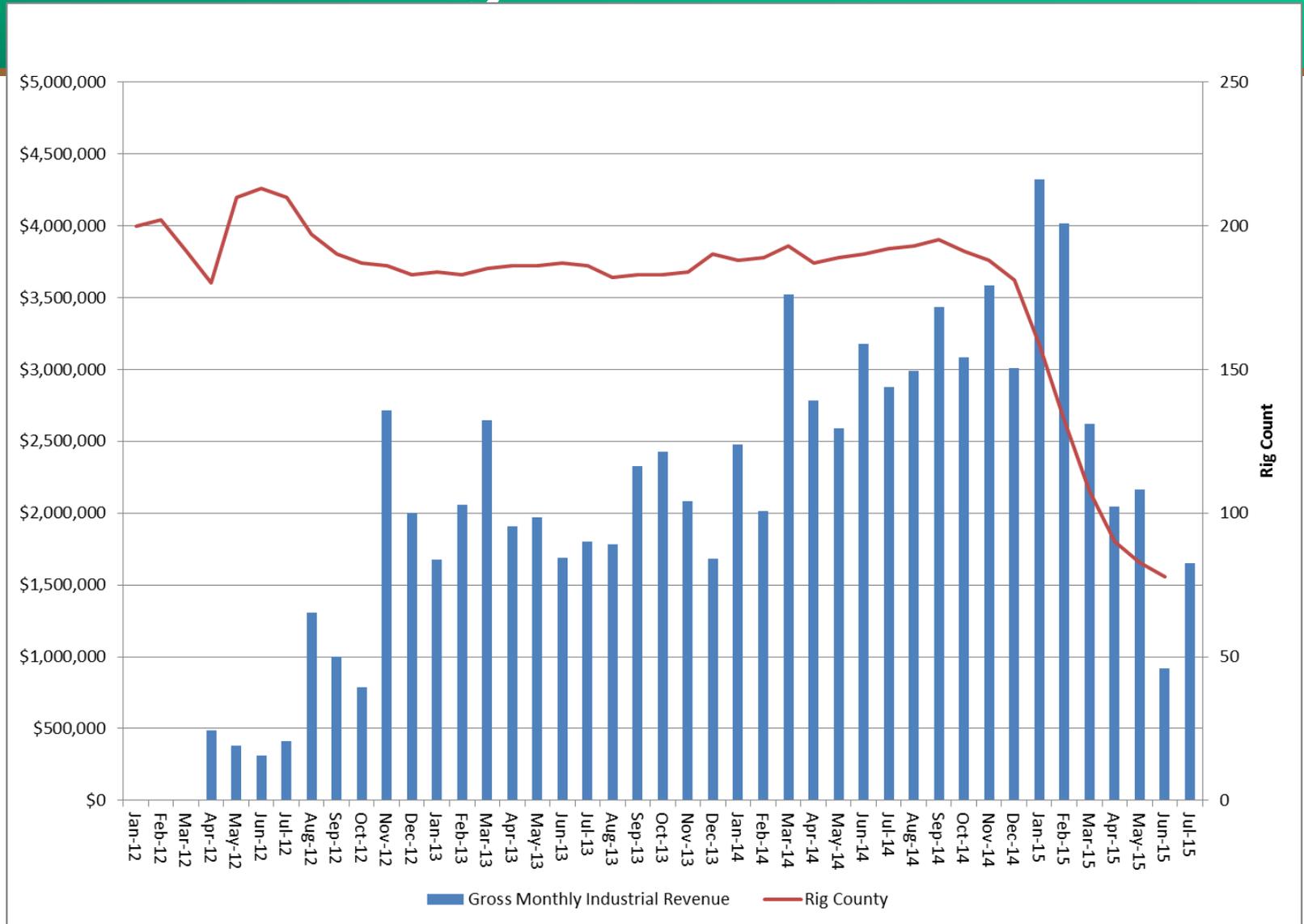
\*Principal Paid Thru 3-31-2017

(F) Fixed Interest Rate

# WAWSA Loan Payback



# Gross Monthly Industrial Revenue



# Final Comments



Easements

Land Reclamation

Bid Prices

# Questions?



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