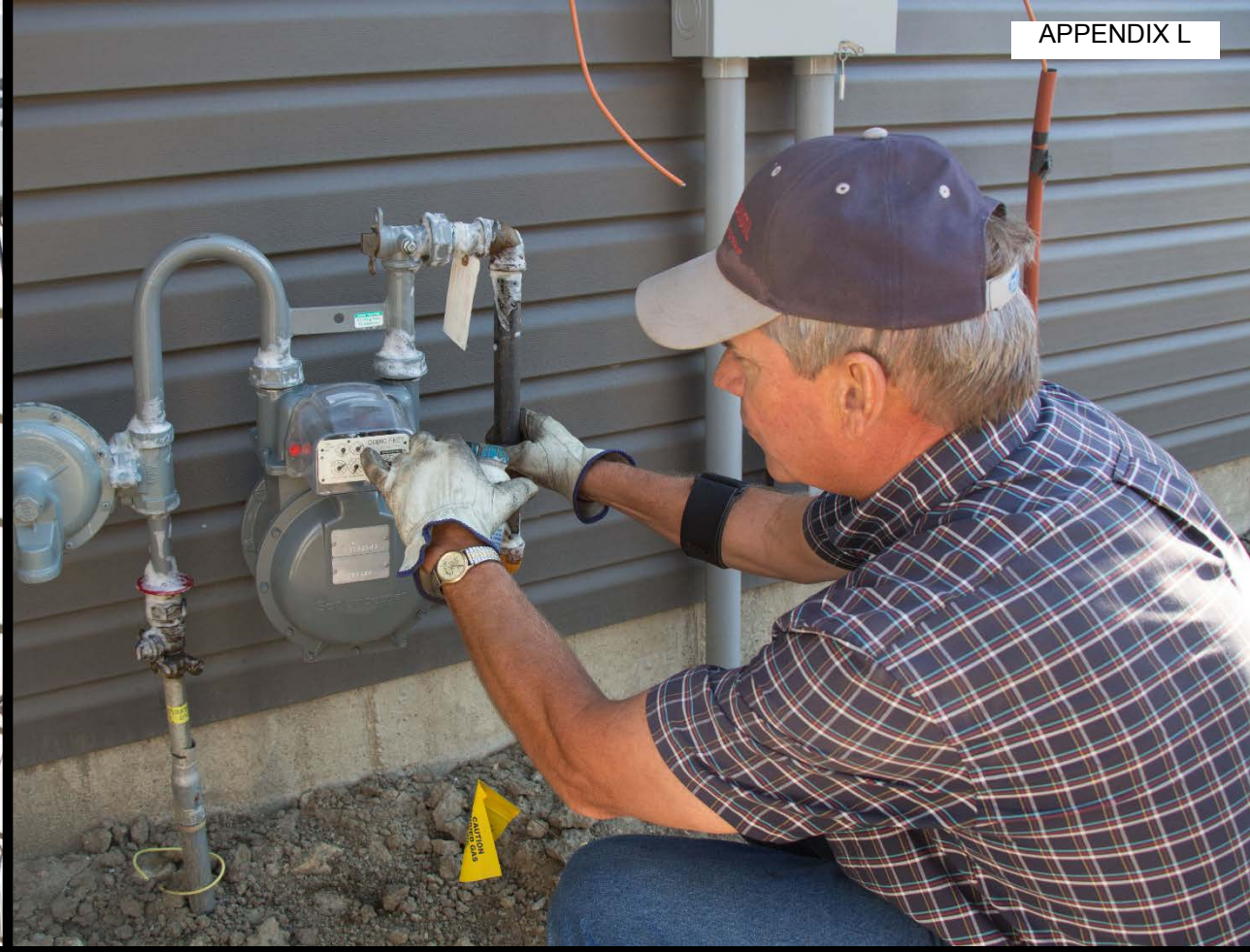

Energy Development

Williston
North Dakota

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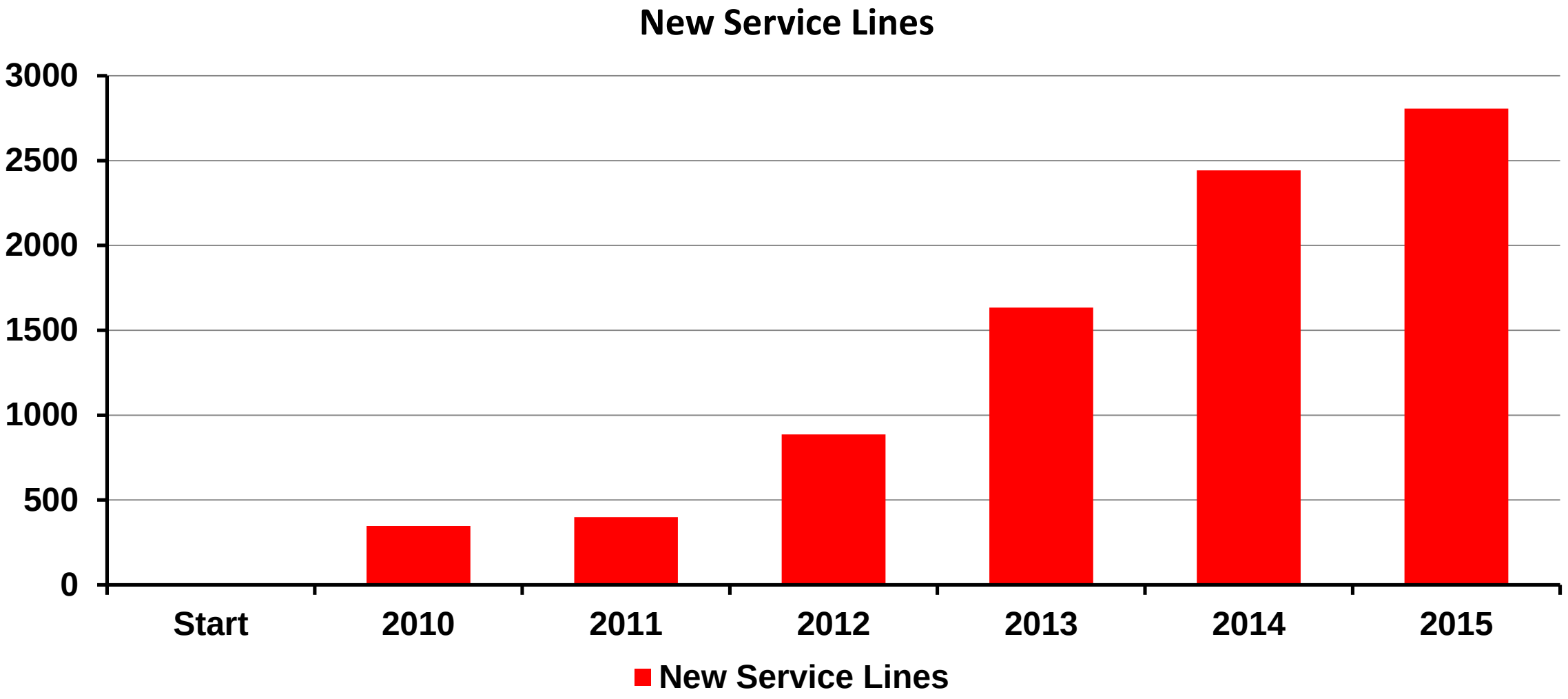
Electric - Growth

- ***Statistics 2010-Present***
  - ***Approximately 20% growth in peak electric demand***
  - ***Electric service count increase of 2,805 services***

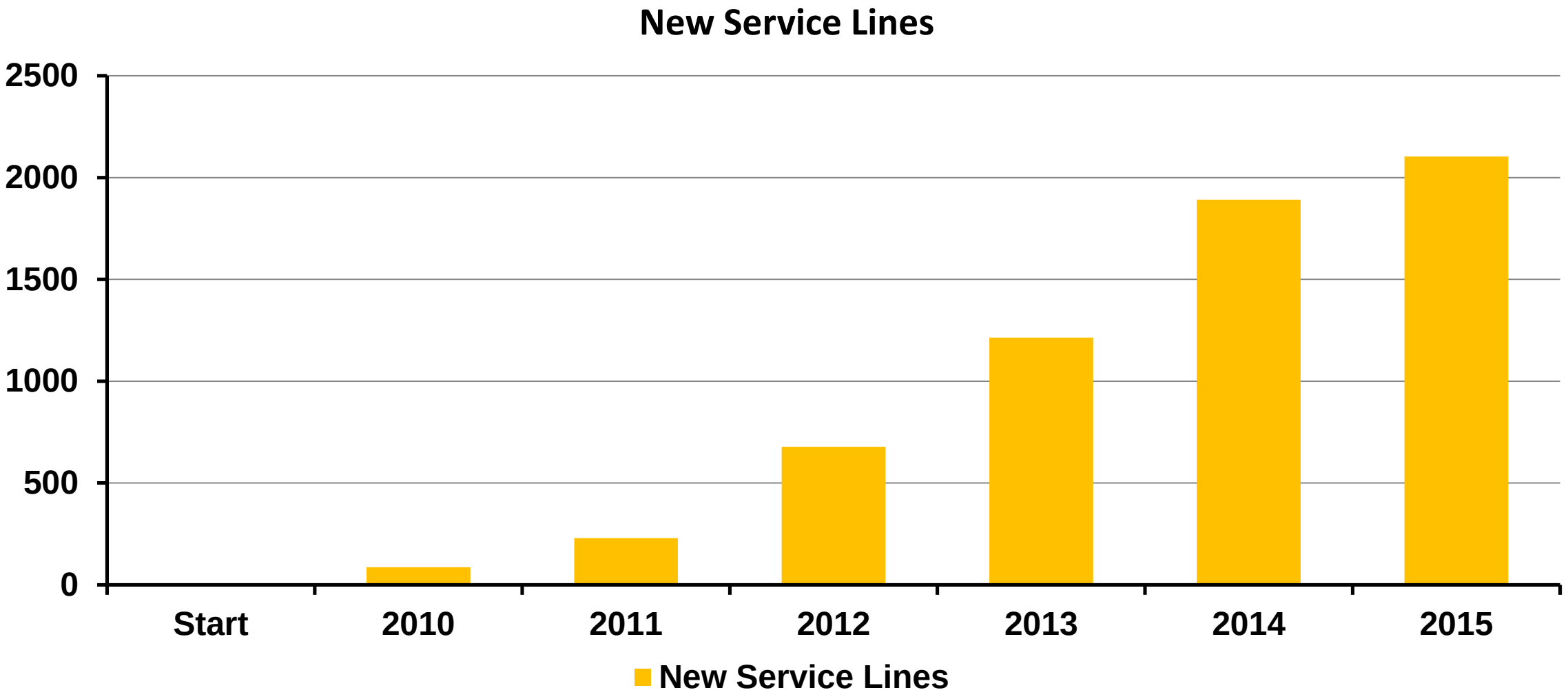
Electric - Growth



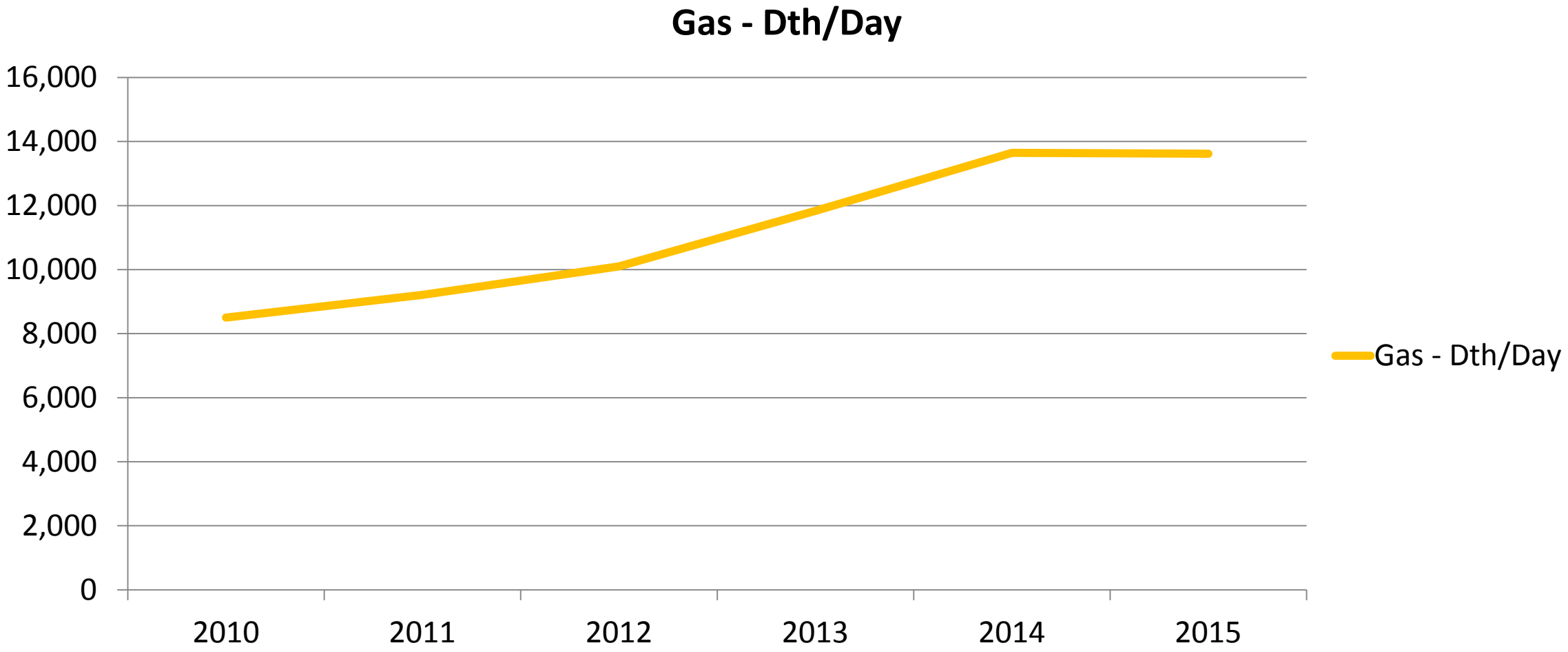
Gas - Growth

- ***Statistics 2010-Present***
  - ***Approximately 62% growth in peak gas flow***
  - ***Gas service count increase of 2,146 services***

Gas - Growth


New Service Lines
2500
2000
1500
1000
500
0
Start
2010
2011
2012
2013
2014
2015
New Service Lines

Peak Usage - Gas



Challenges

- Staffing

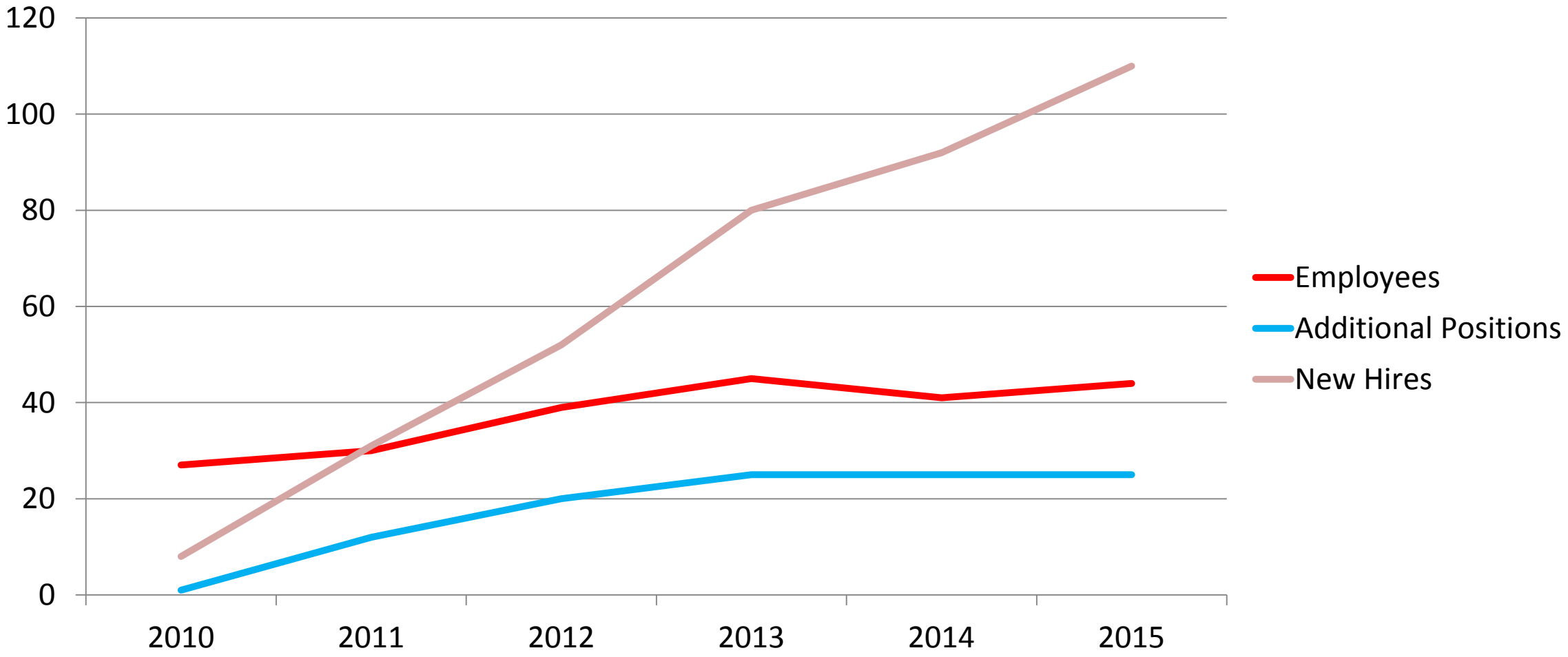
Challenges - Staffing

- *Added 25 new full time positions since 2010*
  - *Finding Qualified Employees*
    - *Utilized recruitment agencies to fill vacant positions*
    - *Deployed nation wide campaign through Career Builder*
    - *Implemented MDU Employee Referral Program*
    - *Job Fairs throughout the Midwest*
    - *Newspaper ads throughout the Midwest*

Challenges - Staffing

- *Added 25 new full time positions since 2010*
  - *Attracting and Retaining Qualified Employees*
    - *Sign-on Bonuses*
    - *Temporary Housing*
    - *Rental Subsidy Programs*
    - *Bakken Incentive Programs*
    - *Moving Allowances*

Employee Count



Challenges - Staffing

- *Contractors*
  - *Electric Distribution*
  - *Gas Distribution*
  - *Electric Transmission*
  - *Substation Construction*
  - *Land Service*
  - *Leak Survey*
  - *Locating Services*

Challenges - Staffing

- New Facility
  - 5,000 Sq./Ft Office
  - 20,000 Sq./Ft Warehouse
  - 3 years to complete construction

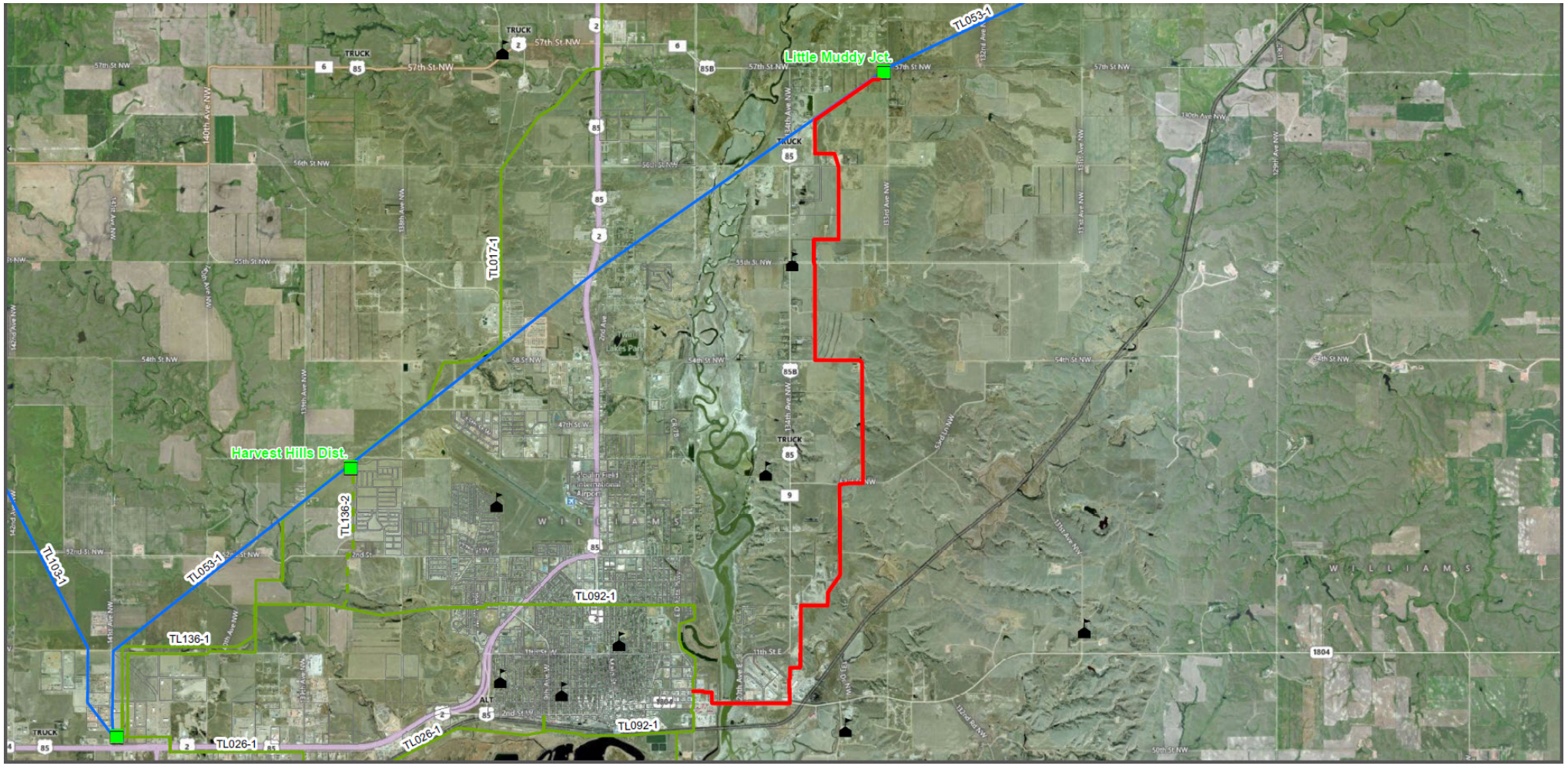
Challenges

- Staffing
- Easements

Challenges - Easements

- *Infrastructure needed to grow*
  - *Landowners became less receptive to infrastructure growth*
  - *Easement costs as much as 40 times higher than pre 2010*
  - *Increased time to acquire easements*
  - *Non-receptive landowners leave us no choice other that to pursue Condemnation*

Challenges - Easements



Challenges

- Staffing
- Easements
- Forced Relocations

Challenges – Forced Relocations

- *Relocations driven by third party projects*
  - *Tight timelines*
  - *No easements provided*
  - *Non-budgeted work*
  - *Time taken away from infrastructure growth projects*

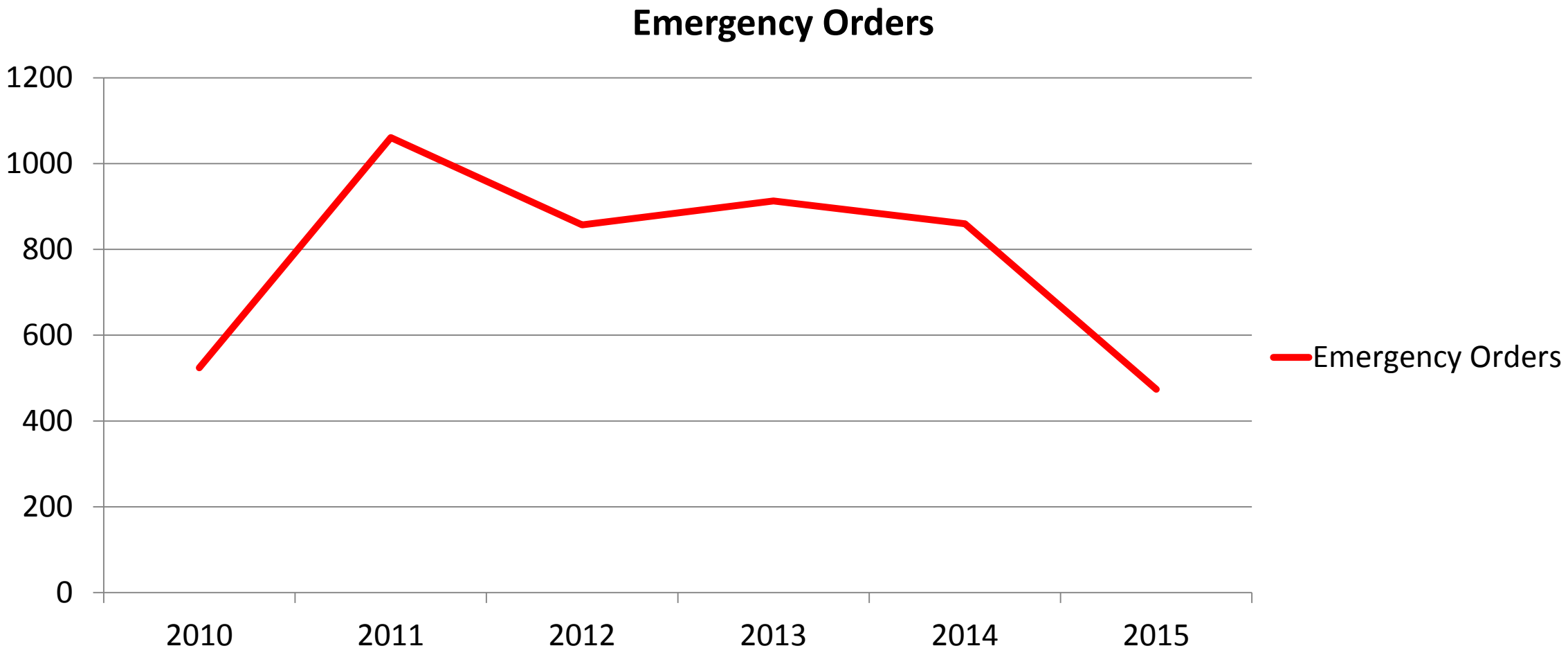
Challenges

- Staffing
- Easements
- Forced Relocations
- Damage to Existing Infrastructure

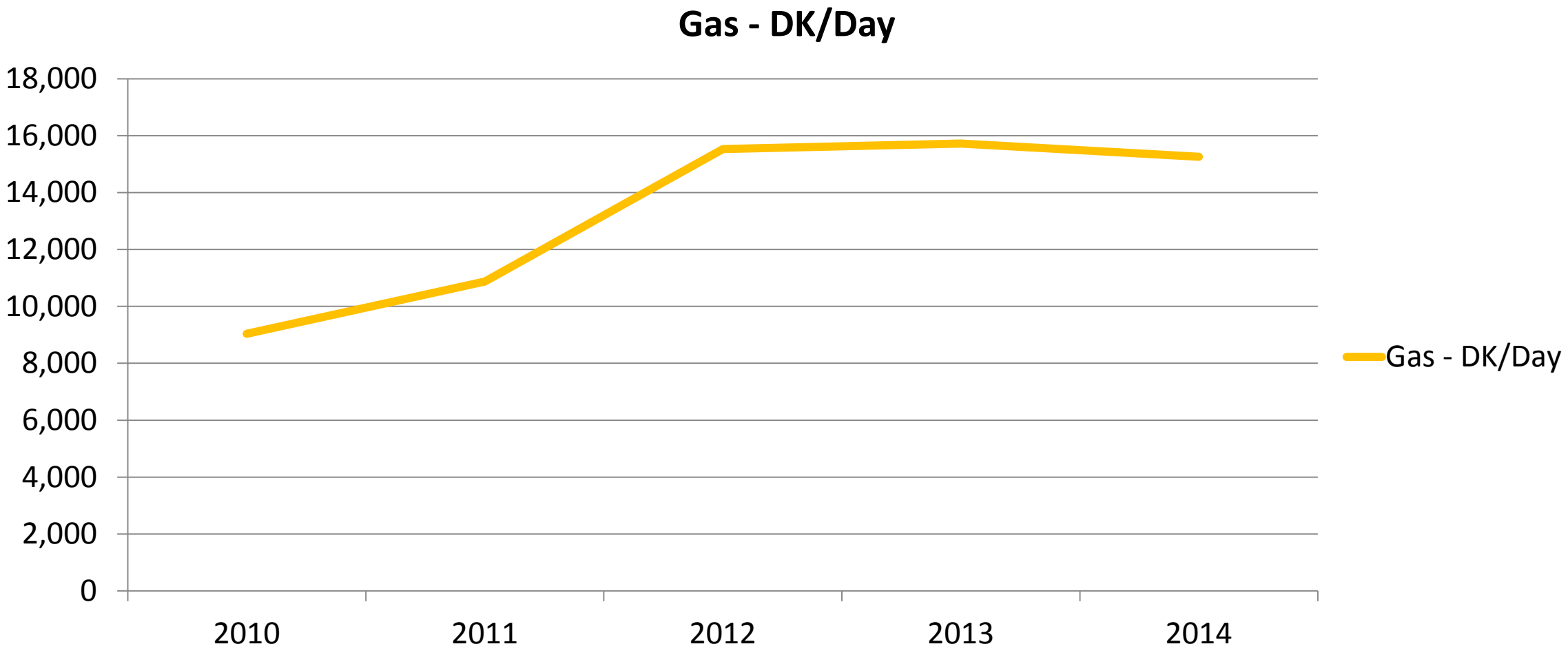
Challenges – Damage

- *Damage to existing infrastructure*
  - *Dig-ins*
  - *Downed power lines*
  - *Weather*
  - *Unreported damage to underground infrastructure*

Emergency Orders – Electric & Gas



Emergency - Locate Ticket Count



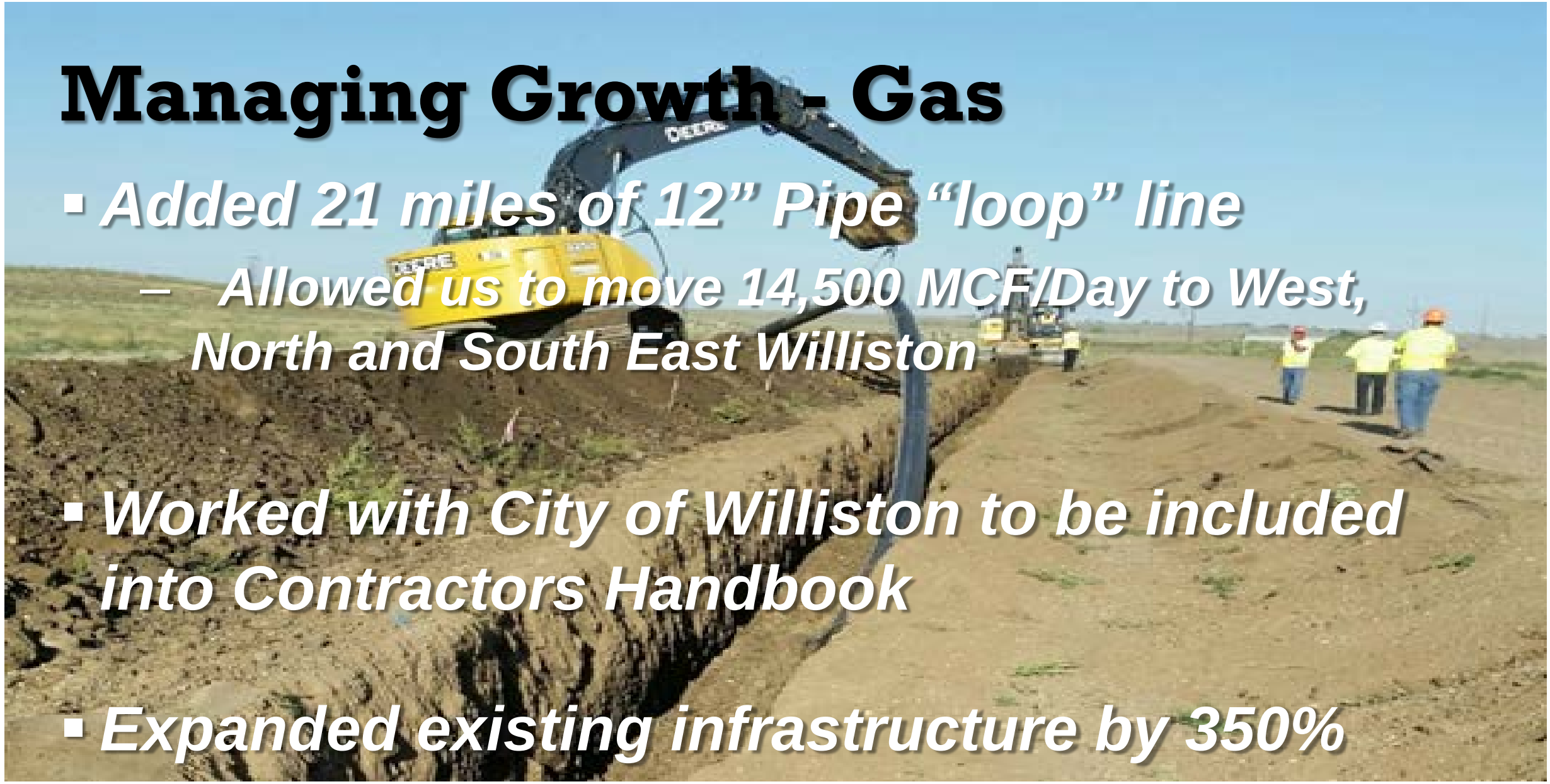
Challenges

- Staffing
- Easements
- Forced Relocations
- Damage to Existing Infrastructure
- Construction prior to final plat approval

Challenges – Review Construction

- *Construction prior to "final" plat approval*
  - *Creates impatient/frustrated contractors*
  - *Leaves utilities in a uncomfortable position*
  - *Potential for plat changing still exists*
  - *Potential for rezoning still exists*

Managing Growth - Gas



- *Added 21 miles of 12” Pipe “loop” line*
  - *Allowed us to move 14,500 MCF/Day to West, North and South East Williston*
- *Worked with City of Williston to be included into Contractors Handbook*
- *Expanded existing infrastructure by 350%*

Managing Growth - Electric

- *Established Service Area Agreement*
  - *Allows planning for anticipated growth*
- *Built Little Muddy, Harvest Hills & Water Treatment Plant Substations*
- *Have several additional substations in planning and construction phases*

Questions

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