



## Repairing Minnesota Natural Gas Distribution Pipelines

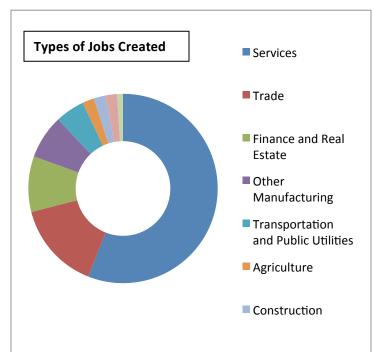
Minnesota' natural gas distribution pipelines made from leak-prone materials could be responsible for leaking almost 105mcf uncombusted natural gas each year, the equivalent of adding more than 8,800 cars to the road. Accelerating replacement of Minnesota's distribution pipelines made from leak-prone materials from 30 years to 10 years will:

- Cost \$17.19M each year.
- increase job creation from 194 to 583, creating 389 more jobs.
- Save \$20 million in gas that would have leaked during the 20 years pipes were still being replaced.

## Mileage of leak-prone materials:

Material				
	Miles- U.S.	Share of Total- U.S.	Miles- MN	Share of Total- MN
Bare Steel	6,239	5.1%	430	1.4%
Unprotected Coated Steel	15,935	1.3%	53	0.2%
Cast Iron	34,329	2.8%	30	0.1%
Subtotal: Leak Prone				
Materials	112,593	9.1%	521	1.7%
Protected Coated Steel	473,871	38.5%	7,065	23.2%
Plastic	644,418	52.3%	22,868	75.1%
Other	893	0.1%	4	0.01%
Total, All Materials	1,231,775	100.0%	30,450	100.0%

Source: U.S. data from American Gas Foundation. Gas Distribution Infrastrucutre: Pipeline Replacement and Upgrades: Cost Recovery and Approaches. Minnesota data from PHMSA 2013 Distribution Annual Data.

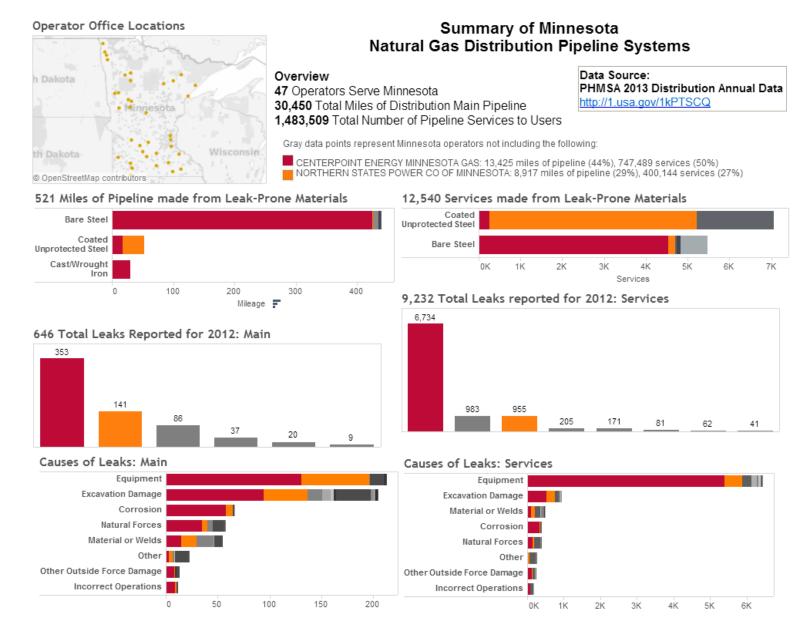


## **Total Job Creation from Pipeline Repair**

Investment in repairing pipeline infrastructure creates and maintains construction jobs for pipefitters, welders, equipment operators, truck drivers, laborers, inspectors, iron workers, electricians, and others These projects drive demand for materials and equipment like pipe and valves as well as surveying services, legal services, financing, catering, and others- creating indirect jobs. Economic activity and increased spending on pipeline replacement then creates induced jobs. The chart on the left shows the breakdown of which economic sectors experience job growth from investment in pipeline repair.







Online at: <a href="http://bit.ly/1qRGK5v">http://bit.ly/1qRGK5v</a>





## **ENDNOTES**

<sup>1</sup> The EPA estimates that nationally, 23 bcf gas leaks from the 112,593 miles of distribution pipelines made from leak-prone materials each year

ii Details calculated from the BlueGreen Alliance <u>Interconnected</u> report and accompanying jobs model.

The INGAA Foundation, Jobs & Economic Benefits of Midstream Infrastructure Development 2012, p. 2-7, 3-1.