xylem

Advancing sustainability for gas utilities with AMI

The United Nation's sustainability goals include **net zero carbon emissions by 2050,** but how are gas utilities going to support this goal while also providing clean, reliable energy?

Advanced metering infrastructure (AMI) can help you reduce your carbon emission by eliminating the need to roll trucks for manual meter reading but, how much emissions can AMI help your utility save? The answer may surprise you!

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What does one metric ton of carbon look like?

CO_2

One metric ton of carbon would be **33 feet tall.**

Driving the average car **22 MPH** for one year emits 5 metric tons of carbon.

A 3,000-mile round-trip flight (Think Boston to London) emits about 1 ton of CO2 per passenger.

AMI helps reduce the amount of truck rolls and CO2 emissions by offering utilities smart solutions to read meters automatically, remote shut off in the case of emergencies, and make other data-driven decisions.

Reducing truck rolls

The Smart Grid Investment Grant Program collected data from 70 utilities and found that utilities avoided the following throughout a three-year period (2011-2014)

13.7 million truck rolls	**68.3 million** miles	**15,160 tons** of CO_2 emissions
(reported by 19 utilities)	(reported by 40 utilities)	(reported by 31 utilities)

What does AMI look like in real life?

In the city of Raleigh, NC, there are **223,320** housing units

One smart meter on one housing unit saves roughly **4.2 miles** in truck rolls

4,163 total metric tons of emissions would be saved per year if one smart meter was installed in each housing unit

These emissions savings per year are equivalent to the yearly emissions of:

86 U.S. households

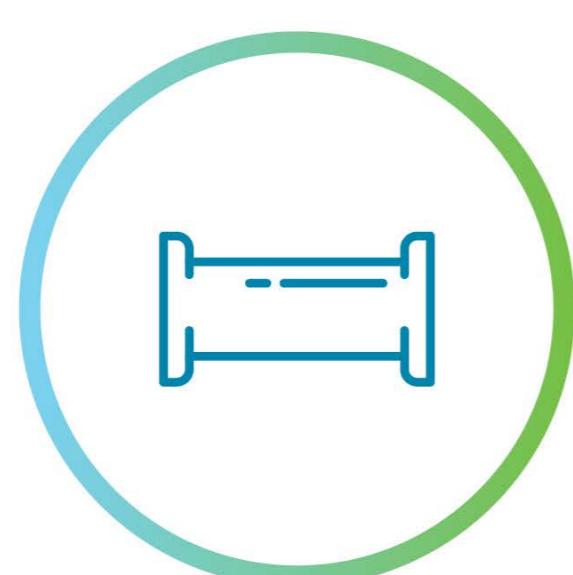**163** passengers flying 3,000 miles

832 cars

Imagine the sustainability impact for a utility with a diverse group of endpoints.

In addition to sustainability goals – how else does AMI Support your utility?
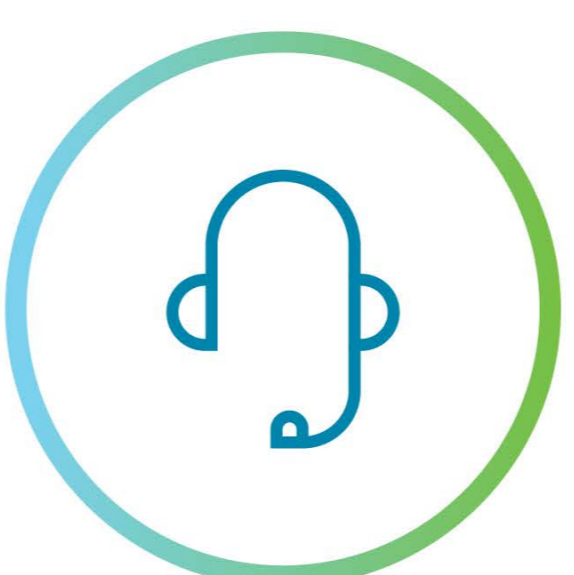
Pressure measurements

Pipe corrosion control

Remote disconnection for leaks and nonpayment

Improved customer experience

Quicker response time

Real-time intelligence from data

Conclusion

The gas utility sector is facing new challenges to decarbonize their infrastructure while offering more customized solutions to their customers such as enhanced data collection, top-notch safety, early leak detection, and improved corrosion monitoring.

What does outpacing innovation mean for your utility? How do you get started investing in or expanding AMI?

Learn More