

# 'Leakage Emissions Initiative' urges immediate action by global utilities to combat carbon emissions from water pipes

*White paper establishes a methodology to eliminate 847 million tons of carbon emissions stemming from water loss, increase global water supply*

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The International Water Association (IWA) has combined forces with water and energy authorities to raise global awareness of water loss and the dangers of its resulting carbon emissions.



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*Gregg Semler, founder and CEO of InPipe Energy*

The Leakage Emissions Initiative (LEI) brought together top experts to create the white paper, '[Leakage Emissions Initiative](#): Establishing a Standard Carbon Balance for Drinking Water Utilities.' The paper outlines ongoing problems caused by water loss and proposes a call to action to all utilities to curb their water loss. The goal: to reduce unnecessary carbon emissions.

The white paper defines real water loss as “leakage resulting from failed distribution system infrastructure.” “Understanding leakage emissions begins with the

knowledge that all water extraction, treatment, and distribution produces greenhouse gases,” said Steve Cavanaugh, Chairman of the Carbon Loss Emissions Task Force. “So when it comes to unchecked leaks, each unit of water loss equates to a measurable unit of unnecessary carbon emissions.”

The water loss and energy waste problems are so critical to solve that the world’s experts gathered to participate in the LEI. The white paper committee includes thought leaders who have committed their careers to reducing water loss and ensuring that people have access to a reliable and secure water supply. Gregg Semler, founder and CEO of climate technology company, [InPipe Energy](#), joined the LEI to make a bigger impact with addressing this growing

crisis.

"I'm concerned we're not decarbonizing the water industry fast enough. Our infrastructure is old and wasteful." said Semler. "We waste over three trillion gallons of water annually which includes emitting 847 million tons of carbon. This white paper establishes a methodology for eliminating wasted water and reducing substantial amounts of carbon emissions. We know water pipes leak but we haven't connected the dots to its impact on climate change. This White Paper does that!"

Real water loss is an unnecessary drain on valuable resources that could be responsibly consumed elsewhere. The LEI aims to influence protocols that will strengthen the economic feasibility of finding and repairing sources of water leakage. The result is a sense of urgency and action to assist utilities and society as they continue to strive for environmental sustainability and ensure a safe water supply is available on a planet facing increasing climate disruption.

Semler's company, InPipe Energy, has created a system that addresses the water and energy nexus. Their system, called the [HydroXS™](#) recovers energy from water in pressurized pipelines. It precisely manages water pressure to combat water loss while generating renewable energy to reduce costs, save water, and lower carbon emissions to be more efficient, sustainable and resilient.

InPipe Energy creates solutions for sustainability-conscious water programs that want to reduce carbon emissions. InPipe Energy's HydroXS is a digitally enabled, energy recovery system that acts like a control valve to reduce water loss, but also generates hydroelectricity, enabling a new source of revenue to invest in upgrading water infrastructure.

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#### About InPipe Energy

InPipe Energy is on a mission to help the world practically and economically decarbonize by creating new clean energy resources from existing water pipeline infrastructure. Its flagship product, the HydroXS™ combines micro-hydropower technology with controls that are easily integrated into existing infrastructure to harvest excess water pressure and convert it to clean, low-cost electricity. InPipe Energy provides a turnkey process to support water managers eager to be more efficient, sustainable and resilient. InPipe Energy works with utilities to secure funding to cover the cost of these projects. For more information or to receive your water systems, energy generation, and carbon reduction assessment, visit [www.inpipeenergy.com](http://www.inpipeenergy.com).

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