

# THE IMPACT OF METHANE EMISSIONS



## FUGITIVE EMISSIONS

Colorless, odorless, invisible methane is the main component of natural gas. It **frequently leaks from oil and gas operations**, including valves, tanks, pipes and other equipment. These leaks are known as fugitive emissions.



## 40% OF GLOBAL WARMING

Methane emissions are responsible for **40% of global warming since the industrial revolution**.



## MANMADE METHANE EMISSIONS

At least **25% of today's global warming** is caused by manmade methane emissions.

## 75 MILLION METRIC TONS OF METHANE

Each year, over **75 million metric tons of methane** is emitted from the global oil and gas supply chain.



## POTENT AFTER 100 YEARS

When considering methane's conversion to carbon dioxide over time, its impact on an integrated weight basis is **84 times more potent after 20 years and 28 times more potent after 100 years**.



## WASTED NATURAL GAS

The Environmental Protection Agency says the oil and gas industry emits eight million metric tons of methane a year. The Environmental Defense Fund's 5-year research series uncovered 13 million metric tons, **60% higher than the government's estimate**. The wasted natural gas is enough to fuel 10 million homes for a year.



## EMITTED TO THE ATMOSPHERE

Even a small amount of methane emitted to the atmosphere **can undo some or all of the benefits** we think we're getting when we substitute natural gas for coal or oil.



## \$34 BILLION OF GLOBAL GAS SUPPLY

As much as \$34 billion of global gas supply is **lost** each year, enough to electrify Africa two times over if the wasted gas were put to productive use.

**LEARN MORE HERE ABOUT HONEYWELL'S MASS METHANE SOLUTION**



### Sources:

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