

DO YOUR UTILITIES ACCOUNT FOR UPSTREAM EMISSIONS?

25% OF ELECTRIC GENERATION EMISSIONS COME FROM THE UPSTREAM SUPPLY.

Carbon dioxide makes all the headlines, but methane, the molecule that makes up natural gas, warms the climate 25-85X more than carbon dioxide. Curbing these emissions could make a serious impact on climate change, now. Do your utilities account for methane emissions? Project Canary, the leading independent certifier of responsible operating practices and climate data, works to calculate actual emissions, versus estimates, through a continuous monitoring system and rigorous certifications. Together, our data and technology applications allow our customers to achieve the highest ESG standards and produce Certified Responsibly Sourced Gas (RSG), aka certified low-emissions gas.

Facility-level Emissions Data

The Canary high-fidelity devices are installed directly on-site at the pad level, where they collect emissions data from all leak sources, not just the big ones. The sensors measure every second of every day and transmit to the customer's real-time emissions dashboard, where the Project Canary visualization platform helps companies parse data and respond to emission events in real-time.

Operational Certification

Project Canary Certifications are the highest standard for environmental and operational performance. We provide a consistent standard across the energy supply chain. Developed by oil & gas engineers and climate scientists, our comprehensive and holistic system accounts for how operations impact land, air, water, and the community.

Measurements, Not Estimates

In addition to certification, we install high-fidelity hardware on-site that records emissions in real-time, allowing operators to mitigate both large and small leaks quickly and deploy their human capital more efficiently. High-fidelity sensors in the Project Canary monitors or a customer's equally sensitive sensor array allow companies to catch and remediate leaks in real-time and calculate emissions intensity using industry-leading and independently-vetted algorithms.

The Challenge

Utilities have done work to curb gas emissions in service areas. Still, the issue is more significant than what can be controlled locally: the broader supply chain impacts energy greenhouse gas footprints significantly. Because they can't pass on costs, upstream producers have not had the same incentive to decrease emissions. What's more, current methane intensity calculations are based entirely on estimates, not actual data.

MAKE CHOICES BASED ON DATA. NOT ESTIMATES.

PROJECT
CANARY

The Solution

Our independent, comprehensive environmental performance certifications are the only complete lifecycle program recognizing the pursuit of top-tier ESG standards across the energy supply chain. Our certification programs evaluate responsibility across four key categories: air, water, land, and community impact, and are coupled with our high-fidelity real-time monitoring to identify the most responsible energy supply chain operators. Together, these independent analyses provide the combined requirements for Responsibly Sourced Gas (RSG) or Certified, Low Emissions Gas. Ask your utilities how they're incorporating this into gas procurement today.

Tip-to-Tip Certified Gas Is Here

Trusted, independently collected, and managed environmental data provides gas buyers the confidence they need to evaluate and validate environmental performance. Our breakthrough sensor technology streams high-fidelity emissions data 24/7 to make sure you stay on track to net-zero today and in the future.

Transparency

Self-reporting is not enough. Project Canary's high-fidelity monitoring and certifications are independent and transparent, providing stakeholders with the necessary information to make data-driven decisions.

Engineering Rigor

Canary and TrustWell™ Certifications are grounded in oil and gas engineering standards and built with end-to-end industry expertise, enabling our clients to go from basic practices to best-in-class.



Always-On Monitoring

While some systems take weekly or monthly measurements, our field sensors provide continuous readings, giving you down-to-the-minute information. Our devices detect <math><0.1</math> grams per second.

Real-Time Insights

Methane leaks are preventable if you have the technology in place to detect them. Our dashboard-enabled monitoring system gives you a complete site-level emissions profile and allows you to catch small leaks before they become big ones.

The Badge of High Standards

Industry leaders who employ Project Canary Certification and emissions monitoring solutions recognize the need for high standards in the pursuit of top-tier ESG ratings.

Emissions Reductions, Today

Real-time emissions data gives operations personnel the information they need to detect, locate, and fix leaks quickly. Reducing fugitive emissions allows operators to improve performance within minutes and capture a product that would have otherwise leaked into the atmosphere.