



**CRESTONE PEAK**  
RESOURCES

# Real-Time, Continuous Air Quality Monitoring

## FACT SHEET

Crestone became the first Colorado energy company to adopt a real-time, continuous air quality monitoring program using technology from Project Canary in 2020 - enabling the company to demonstrate that it's producing energy safely and responsibly without adverse impacts on air quality.

### Why did Crestone adopt the program?

Crestone's adoption of continuous air quality monitoring for its Colorado well sites is a game-changer. Here's why:

1. The technology gives Crestone the ability to demonstrate it can produce oil and gas safely and responsibly, without adverse impacts on air quality.
2. The system alerts Crestone to abnormal air quality readings so the company can take action.
3. Continuous air quality monitoring is addressed as part of SB 19-181 rulemaking and is or will be required in communities where Crestone operates now or may operate in the future.

### How does it work?

- Project Canary provides the technology: a small station that provides 24/7 air quality monitoring and reports emissions data wirelessly in real time.
- Readings are taken in real-time from strategically placed stations at each well pad and tracked along with time of day, weather conditions and wind direction and speed.
- The monitoring stations work as a notification system – similar to a fire alarm – to detect air quality changes from off-site emissions sources such as highways, gas stations and landfills – or from a source at the well pad.
- If an issue is detected, Crestone is immediately notified and the Project Canary team begins its evaluation process. If necessary, a team is dispatched.
- Depending on production rates, regulatory requirements and site activity, the technology will remain in place from pre-production through at least the first 90 days of production.



### What is Project Canary?



The Project Canary technology solution originally was developed for NASA by Colorado School of Mines graduates to monitor air quality on space stations. It provides accurate data in parts per billion, significantly more sensitive than other sensors currently available. The sensors monitor levels of methane and volatile organic compounds (VOCs). For more information, visit [ProjectCanary.com](https://ProjectCanary.com).

The real-time, continuous air quality monitoring program is actively monitoring 80% of Crestone's production and supports the company's efforts to develop a sustained approach for more effectively and efficiently detecting, evaluating and repairing potential leaks. The intent is to improve air quality around our Colorado sites and provide assurance to the surrounding communities that Crestone can produce the energy we all use in a safe, responsible manner, while safeguarding public health and the environment.