

Session 3 – Current and Emerging Technologies in Methane Measurement

EDF has worked with technology providers to develop new mobile techniques to measure, monitor and map methane leaks, including with Street View Cars, Aerial Flyovers with planes, and helicopter surveys. More recently, EDF and eight oil and natural gas companies have been challenging technology developers and engineers to design cutting-edge, new stationary methane monitors that can help the oil and gas industry better detect and reduce methane emissions. After successful rounds of project solicitation, lab testing and outdoor testing, the methane detectors challenge has moved into pilot scale deployments with multiple technology packages. These deployments, and their proof of concept related to low-cost continuous stationary emissions monitors have direct relevance to rulemaking efforts in California for oil and gas production and storage sites – and demonstrate the cost effectiveness of recent rulemaking proposals. The presentation will discuss the outcomes of the project and the next steps for utilization to measure, manage and reduce methane emissions.

Session 4 – Big gas, Big Data and Methane

Numerous supply chain and methane emissions reports have been released recently – including those in the EDF 16 original studies. Last year however, EDF hired the Rhodium Group to analyze global methane emissions, and in a report called “Untapped Potential,” Rhodium found the amount of gas lost globally is nearly equivalent to total gas production in Norway. More recently, in a report titled “Rising Risk,” it was found that of the top 40 production and top 25 midstream companies in the US, none disclose methane reduction targets, and less than 1/3 disclose methane emissions information in a transparent manner. As a result of studies like these, and the evaluated awareness of the risks associated with methane emissions, institutional investors have become engaged. Now, companies representing trillions of dollars of capital are voicing concern over methane. The presentation will discuss how data on methane emissions and the outcome of reports like “Rising Risk” have begun to push for improvements in measuring, managing and reducing methane emissions.