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| <p><b>Air Quality Indicators</b></p> | <p>Ambient air quality objectives are continuously being reviewed and updated, and industry is being required to meet more stringent targets. To determine the impact of such policy changes, it is important for industry to understand the contribution that upstream oil and gas facilities have to the substances being reviewed.</p> | <p>An accurate understanding of the potential release of substances subject to new or revised air quality objectives from the UOG industry is required. Additionally, if the substance is being released in quantities that may be subject to regulatory requirements, reasonable and cost-effective emission control options would need to be developed.</p> |
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| <p><b>Air Emission Inventories</b></p> | <p>Air emissions inventories are becoming an increasingly important method of monitoring and reporting on industry emissions, for the public, governments, and individual companies. Further, governments are using these emissions inventories to negotiate international treaties, establish air emissions policy measures and targets, and develop emission forecasts. As such, it is important that upstream oil and gas operators report facility emissions using standardized methodologies and realistic emission factors with low uncertainty, and also have access to a wide variety of effective emissions monitoring technologies. Inaccurate and/or overly conservative emissions factors can result in an inaccurate portrayal of the emissions profile of the oil and gas industry. This in turn can lead to unnecessary or ineffective regulatory requirements, and additional public scrutiny.</p> <p>The development of technically defensible and effective emission management policies and regulations is reliant upon good quality emissions data in order to both identify potential opportunities for emission reductions and to determine industry performance and emissions reductions in future years. There are opportunities to address this knowledge gap by investigating potential improvements to the certainty of quantification (emission factors and measurement technologies and methodologies), monitoring, data management, and reporting of emissions from the upstream oil and gas sector.</p> <p>Collaboration and coordination as we develop a tool to better understand our provincial NOx inventory/baseline (using recently collected MSAPR test data), and development of a model which will reveal practical, strategic, and cost-effective options for our sector to achieve AAQOs/CAAQS objectives.</p> |
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| <p><b>Data Analysis</b></p> | <p>There is an ever-growing amount of data generated by oil and gas companies and various repositories collecting data. It would be useful to analyze the data into meaningful insights that will help industry address ongoing challenges.</p> | <p>Data analysis aimed at informing and helping industry to make better, smarter, cost effective decisions.</p> |
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