

Distributed Energy Efficiency Projects Platform (DEEPP)

by Cap-Op Energy

Energy efficiency in the Canadian oil and gas sector offers substantial opportunities to make gains toward provincial and national climate change goals. As compared to large emission sources such as oil sands operations and coal fired electricity generation, oil and gas energy efficiency generally encompasses a very large number of relatively small but repeatable projects. Because they are small, these projects need to be executed and tracked very efficiently in an automated and standard manner to meet cost thresholds. This efficiency must include the verification, registration and monitoring of the CO₂ credits.

The DEEPP project by Cap-Op Energy is a large and sophisticated database for industry to aggregate energy efficiency project data to analyze and report them in a standard manner in compliance with existing protocols and regulations. This automation has been shown to reduce management and reporting costs by approximately 50%, significantly increasing the number of energy efficiency projects that meet economic thresholds and become implemented. The impact of additional projects getting implemented will be improvements in fuel gas utilization and substantial reductions in GHG emissions.

Cap-Op Energy has completed Phases 1 and 2a of the project. In 2015, Phase 2b will be undertaken with a focus on implementing the pneumatics instruments and instrument air modules.