

### Summary

Target Emission Source: **Flare**

Emission Reduction Strategy: **Flare Reduction Technology**

Project Type: **Research & Development**

Entry TRL: **3**

Target TRL: **5**

Field Trial Required: **No**

### The Project

ExxonMobil Canada Properties investigated the feasibility of applying proven land-based flare reduction technology to the Hibernia offshore production facility.

The proprietary technology converts light-end gas into liquid products, thereby reducing the amount of gas to be flared. The research demonstrated the flare technology reduces emissions, however for offshore application, there is no net gain in emissions reduction potential due to additional power requirements.



### Benefits



The study increased the knowledge of implementing flare reduction technology to an offshore brownfield development



The research demonstrated that proven land-based flare reduction technology to convert light-end gas into liquid products may work on offshore facilities

### Opportunities & Next Steps

Evaluate recommendations as a result of the study to further optimize the flare reduction technology, including options to optimize equipment sizing and options to help mitigate power consumption requirements associated with implementing this technology