

**Project Title: Reducing GHG emissions- Reforming Emergency Relief Blowdown (Flare) System**

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**Summary:**

*Proposed Project:*

The proposed project is to reform the traditional emergency relief blowdown system.

The current industrial practices designed and operating as per API 520/521 may offer an opportunity to optimize the relief system.

*Technology:*

The proposed technology will help in reduced use of utilities, which translates into significant reduction of GHG emission.

However, to implement the proposed process, it may need revamping the current configuration.

It may also need additional investment in terms of equipment and control system changes.

Since it involves change in relief system practices, there may be regulatory approval required.

*Opportunity:*

This process/technology offers an opportunity to adopt more practical industrial operating practices in effort to complete decarbonization.

It can be implemented safely with zero risk tolerance.

*Environmental Benefits:*

Significant reduction in GHG emission can be achieved.

*Area of application:*

- OilSands  
(minable, thermal)
- Upgrader
- Petrochemicals
- Refinery
- Fertilizers
- Gas Processing
- LNG