

**Project Title: Reducing GHG emission – Energy Efficiencies (Portfolio of Utilities Projects)**

**Organization:** SKP Cleantech Corp

**Contact:** [kamleshpatel79@hotmail.com](mailto:kamleshpatel79@hotmail.com)

**Summary:**

*Proposed Project:*

The proposed project is comprised of portfolio of various alternative processes, which involves the assessment of existing inefficient processes and suggest a modified way or revamp to achieve energy efficiency.

This project will need to perform a detailed technical study to propose the solution.

*Technology:*

The proposed technology is a portfolio of various small to medium scale processes mainly targeting utilities consumption, when implemented will result into significant cost benefits and reduced GHG emission.

This technology will help in reduced use of utilities, such as additional water, steam and power, eliminating instrument air for control valve actuators, efficient operation of HVAC system, heat integration, 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. It will cause in net reduction of GHG emission.

*Opportunity:*

This process/technology proposed as a result of an operational assessment will offer an opportunity to utilize the resources wisely and revamp where necessary to benefit of advanced technologies to achieve energy efficiencies and reduce the GHG emission.

It offers a benefit of expansion of production capacity and decarbonizing the facility operations.

*Environmental Benefits:*

Significant reduction in GHG emission can be achieved.

*Area of application:*

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