

### Comparison and Technology Selection on Ethane Recovery System

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Natural Gas burns more cleanly than other fossil fuels. As cleaner fuels natural gas becomes an important fuel especially in transportation and electricity generation. There are many technologies available for ethane recovery.

There are two ethane recovery process technologies were being evaluated which are Warm Residue Reflux and Cold Residue Reflux. Based on these two technologies, the highest ethane recovery with low energy consumption were determined. To determine the best technology, several evaluations criteria have been implemented.

The objective of this research is to compare the available ethane recovery technologies that available in the public domain. A set of comparative has been criteria has been determined to be implement to the two ethane recovery process technologies. The criteria are process efficiency and capital cost comparison. In addition to find out the best technology, the recovery percentage should be economically validated against the cost incensement.