ABSTRACT

As the Power industry struggles to justify the economics of meeting the EPA regulations and stay in the business, this work examines one possible alternative to justify the business decision. It is known that the Power industry is exploring ways to minimize the carbon emission by changing the mode of operation or the feedstock for the energy generation at a cost, but, evaluating current set up while developing attractive revenue stream may help the company optimize the investment.

While it is realized that CO₂ is both high profile greenhouse gas and a valuable market commodity, there is potential to benefit from CO₂ capture. This study looks into making CO₂ a valuable product that can generate attractive revenue and enjoy the economic benefits. The current CO₂ market is served by complex supply chain, where the current suppliers produce crude CO₂, purify it to liquid and deliver to the distributors and the end users.

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