

CO₂ CAPTURE FROM COAL FIRED POWER STATIONS ARE YOU INTERESTED?

CO₂ Regulation – The Problem

The recent unprecedented global warming debate has brought the issue into the homes and businesses of the global community. It is widely predicted that formal CO₂ regulation will be implemented throughout the industrialized world within the next 10 years. The question is – how will this affect your business and what are your options to alleviate the financial burdens any constraints on CO₂ emissions may have?

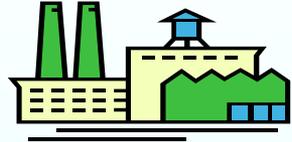
CO₂ Capture – The Solution

MHI recognizes that CO₂ capture and the energy penalty on a power plant is a concern. Our solution incorporates a phased approach thereby partially off-setting costs through CO₂ sales and DOE subsidy generation (as part of the RCSPs). This substantially decreases the financial burden. Furthermore If we consider CO₂ as a commodity item and part of a distinct value chain, several industries may rapidly develop creating drivers for the expansion and advancement of a CO₂ based market place (such as EOR).

MHI has participated in global warming mitigation R&D, relating to CO₂ capture from flue gas streams of fossil fuel fired power stations, for over 17 years. Additionally MHI has a proven and trusted commercial record with 4 plants being built in the past 5 years. We now offer the complete solution.

Our Concept

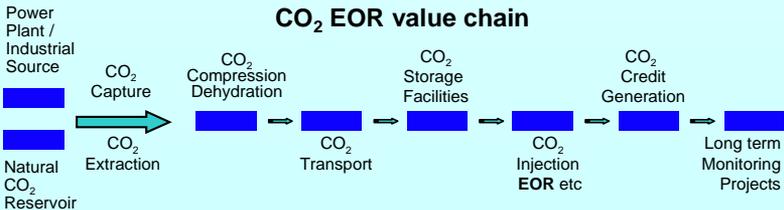
1) Power Utility operates 1000 tpd CO₂ capture demonstration plant (incurs only a small energy penalty), but also receives a DOE subsidy (for CO₂ sales) as part of Phase 3 of the Regional Partnerships



2) Establish CO₂ EOR value chain along with CO₂ transport company and oil company



3) As experience increases, scale up to commercial size CO₂ capture plant (>3000 tpd) resulting in increased CO₂ sales – this is where large sales revenues can be generated

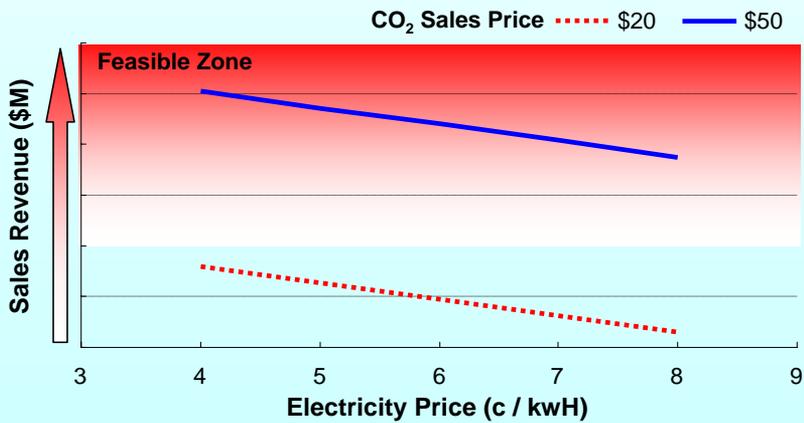
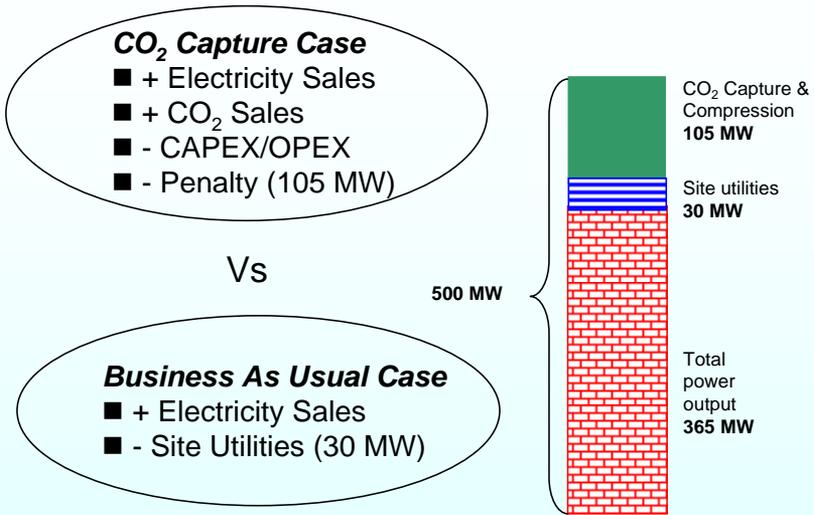


Flue Gas CO₂ Recovery System

Mitsubishi Heavy Industries, Ltd. Tokyo, Japan

Call (+81) 45 224 9400 or visit http://www.mhi.co.jp/mcec/product/recov_co2/

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Note: Evaluation based on Engineering & Procurement Costs only (Asia Basis)

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