

COST OF MERCURY REMOVAL FOR IGCC AND PC PLANTS



EASTMAN GASIFICATION SERVICES COMPANY

IGCC: Low-Cost Option for Mercury Control

An order of magnitude less expensive for IGCC
(COE = Cost of Electricity)

Technology	IGCC	PC
Mercury (Hg) removal location	Syngas (ahead of AGR)	Stack gas
Relative volumetric gas flow	1.0	160
Cost of Hg removal, \$/MWh	\$0.254/MWh	\$3.10/MWh
Fraction of COE	< 1%	~ 9%
Cost of removal, \$/pound Hg	\$3,412/pound	\$37,800/pound

DOE Report, "The Cost of Mercury Removal in an IGCC Plant", September, 2002

(Source: Eastman Gasification Overview, March 22, 2005, page 36 at:
www.eastman.com/publicdocs/Gasification/Eastman_Gasification_Overview)