

Cost of CO2 Reduction from Redispatch of Coal to Gas Generation

Example

Gas Heat Rate 7.166 MMBtu/MWh * PAC's Hermiston Plant
Coal Heat Rate 11.346 MMBtu/MWh * PAC's Carbon Plant

Gas Fuel Price \$ **5.50** per MMBtu (the most uncertain input)
Coal Fuel Price \$ 1.30 per MMBtu * Wyoming 2010 nominal \$

Gas CO2 Content 117 lb/MMBtu
Coal CO2 Content 205 lb/MMBtu

Cost of shifting from coal to gas is

\$ 36.55 per metric ton of CO2

* PacifiCorp 2004 IRP Appendix pp. 60 and 33;