

Technology Price Estimates (2006 Dollars)

Technology	Cost Base Source	Size	\$/kW			\$/MWh	Design Net Plant
			Base Construction	Construction	Fixed O&M	Var. O&M	Heat Rate BTU/kWh
Cost adjustment				5% adder for hookup to transmission, 3% inflation from 2003 \$	3% inflation from 2003 \$	3% inflation from 2003 \$	
Pulverized Coal							
Sub-critical	OEC	500	1230	1,411	44.26	1.86	9,496
Supercritical	OEC	500	1290	1,480	44.91	1.75	8,864
Fluidized Bed	OEC	300	1290	1,551	46.11	4.37	9,996
IGCC*	OEC w/spare	550	1350	1,696	61.30	0.98	9,000
IGCC - PRB Fuel	add 12% of IGCC	550	1350	1,900	61.30	0.98	10,080
Nuclear	EIA	1000	1957	2,245	69.93	0.55	10,400
Combined Cycle	OEC	500	440	481	5.57	2.19	7,200
Combustion Turbine	Mirant / OEC	160	375	386	2.19	3.82	10,450

Technology Construction Relative Costs

Sub-critical PC	1,411	100%
Supercritical PC	1,480	105%
Fluidized Bed	1,551	110%
IGCC	1,696	120%
IGCC - PRB Fuel	1,900	135%
Nuclear	2,245	159%
Combined Cycle	481	34%
Combustion Turbine	386	27%

Sources

OEC - Opportunities to Expedite the Construction of New Coal-Based power Plants (National Coal Council Report)

EIA Annual Energy Outlook 2005 and 2006

*IGCC has a 10% increase to bring overall ranking within EIA outlook comparison

Due to multiple sources of base data the EIA cost spread was maintained and shown above. IGCC was adjusted by 10% to keep relative costs consistent with EIA data.

The overnight construction cost was further adjusted when modeled by Strategist:

AFUDC added based on years of construction

Total Revenue requirements required for Strategist input is developed which includes insurance, property taxes and return.

A transmission inter-connect fee based on 5% of the capital investment for a generic coal unit (\$74.49/kw is added to all future generation units.