

**Comparison of Capital Cost Assumptions:
EIA Annual Energy Outlook (January 2005)
Northwest Power and Conservation Council (Fifth Regional Power Plan – January 2005)
PacifiCorp 2004 IRP**

Unit Type and Assumptions	PacifiCorp (East Side) page 65 Technical Appendix	NWPCC	EIA
Pulverized Coal			
Capital Costs	\$1,687 – \$1,813/kW (2004 \$)	\$1,243/kW (2000 \$) esc at 2.02% = \$1,347/kw (2004 \$)	\$1,213/kW (2003 \$) esc at 2.02% = \$1,238/kw (2004 \$)
Size	575 MW	400 MW	600 MW
Heat Rate	9,483 Btu/kWh	9,550 Btu/kWh	8,844 Btu/kWh
Fixed O&M	\$37.23 - \$43.78/kW-yr	\$40/kW-yr	\$24.36/kW-yr
Variable O&M	\$.8/mWh	\$1.75/mWh	\$4.06/mWh
Total O&M expressed in \$/MWh (Fixed converted assuming 85% capacity factor)	\$5.80 - \$6.68/mWh	\$7.12/mWh	\$7.33/mWh
IGCC (with sequestration)			
	PacifiCorp (East Side) (page 173 IRP report)	NWPCC	EIA
Capital Costs	\$2,350/kW (2004 \$)	\$1,800/kW (2000 \$) esc at 2.02% = \$1950/kw (2004 \$)	\$2,006/kW (2003 \$) esc at 2.02% = \$2,047/kw (2004 \$)
Size	460 MW	401 MW	380 MW
Heat Rate	8,311 Btu/kWh (page 65 technical appendix)	9,290 Btu/kWh	7,920 – 9,713 Btu/kWh
Fixed O&M	51.88 \$/kW	53.00 \$/kW	\$40.26/kW-yr
Variable O&M	\$1.80/mWh	\$1.60/mWh	\$3.93/mWh
Total O&M expressed in \$/MWh (Fixed converted assuming 85% capacity factor)	\$8.77/mWh	\$8.72/mWh	\$9.34/mWh

CCCT	PacifiCorp (East Side) Page 65 Technical Appendix	NWPCC	EIA
Capital Costs	\$587/kW (Dry Cool with Duct Firing) to \$623/kw (Wet Cool with Duct Firing) (2004 \$)	\$525/kW (2000 \$) esc at 2.02% = \$569/kw (2004 \$)	\$558/kW (2003\$) esc at 2.02% = \$569/kw (2004 \$)
Size	525 MW – 560 MW	610 MW	400 MW no duct firing
Heat Rate	7,462 Btu/kWh (most efficient)	7,030 Btu/kWh (most efficient)	6,752 Btu/kWh
Fixed O&M	\$5.66/kW-yr (Dry cool weighted avg incl duct firing) to \$9.01/kW-yr (Wet cool weighted avg incl duct firing)	\$8.00/kW-yr	\$10.35/kW-yr
Variable O&M	\$3.37/mWh (Dry cool weighted avg incl duct firing) to \$3.22/mWh (Wet cool weighted avg incl duct firing)	\$2.80/mWh	\$1.77/mWh
Total O&M expressed in \$/MWh (Fixed converted assuming 85% capacity factor)	\$4.13/mWh (Dry cool) to \$4.33/mWh (Wet Cool)	\$3.87/mWh	\$3.16/mWh