

Appendix C

Discussion of OAQPS Cost Manual Method for AQCS Estimation

submitted to the NM Environment Department by Public Service of NM regarding BART for the San Juan Generating Station
<http://www.nmenv.state.nm.us/aqb/reghaz/documents/03292008DiscussionofOAQPSCostManualMethodRev080329.pdf>

SCR Capital Cost Survey Results

from Table 7-1. of CURRENT CAPITAL COST AND COST-EFFECTIVENESS OF POWER PLANT EMISSION CONTROL
Prepared by J. Edward Cichanowicz for Utility Air Regulatory Group, June, 2007

Reference	Average and Low-High Cost Observations		Cost Basis
	Capital, MW (\$/kW, 2006 Basis)	Observed (\$/kW)	
Hoskins, 2003	128 (400 MW)	80-160	2002. 15 of 20 reported unit costs exceeded \$100/kW. Weak relationship of unit cost and scale.
Cichanowicz, 2004	84 (600-899 MW) to 128 (100-399 MW)	56-185	2003. For four categories of generating capacity, the least cost units were among the first installed.
Marano, 2006	118 (>900) to 167 (<300 MW)	Most costs reported to be within 100-200	2005. "Units with a capacity of 600 to 900 MW appear to be more difficult to retrofit than those in other size ranges."

Estimation of Costs and Impacts of NOx Control Technologies Applied to the PGE Boardman Plant

<http://www.deq.state.or.us/aq/haze/docs/ergMemo.pdf>

Reference	Average and Low-High Cost Observations		Cost Basis
	Capital, MW (\$/kW, 2006 Basis)	Observed (\$/kW)	
ERG 2008	227	207 - 267	2007