

Table 3: Annual Costs of Control Options at Colstrip to Meet the Proposed 0.010 lb/MMBtu fPM Limit (B&M Class 5 Feasibility Estimates)

Colstrip ⁵⁸	Total (EPA)⁵⁷		Installed Capital Cost	Annualized Cost of Controls
	Baghouse (EPA)⁵⁹			\$77.3-\$93.2M
	Upstream ESP (B&M)		\$486.0M	\$38,051,172
	Upstream FF (B&M)		\$87.4M	\$78.0M
	Wet ESP (B&M)		\$404.9M	\$104.9M
	Reheat ESP (B&M)		\$744.5M	\$41.8M
	Reheat FF (B&M)		\$263.5M	\$56.5M
			\$351.2M	

Table 4: Annual Costs of Control Options at Colstrip to Meet the Proposed 0.010 lb/MMBtu fPM Limit (B&M Estimates Using EPA Cost Approach)

Colstrip ⁶¹	Total (EPA)⁶⁰		Installed Capital Cost	Annualized Cost of Controls
	Baghouse (EPA)⁶²			\$77.3-\$93.2M
	Upstream ESP (B&M)		\$406.1M	\$38,051,172
	Upstream FF (B&M)		\$77.8M	\$70.1M
	Wet ESP (B&M)		\$338.3M	\$90.4M
	Reheat ESP (B&M)		\$622.2M	\$36.6M
	Reheat FF (B&M)		\$220.2M	\$49.7M
			\$293.4M	

⁵⁷ Table 7, Technical Memo at PDF p. 12 (for all EGUs subject to the Proposed Rule).

⁵⁸ Cost estimates are based on the following assumptions, scope, and other cost factors. Assumptions include: 85% capacity factor, \$15/ton disposal, \$200/ton lime, \$45/MW power, 15-year life, and 8.25% prime rate. Scope includes: ductwork, foundations, control device, electrical (percent based), no fans, no stack modifications, and ash and lime silos and slurring/feed for upstream control options. Other cost factors include: 5% indirect costs, 8% engineering cost, 5% escalation during construction, 15% contingency costs, and 0% owners' cost.

⁵⁹ Appendix D, *id.* at PDF p. 80 (total annualized costs for Colstrip is calculated by summing the annualized costs for Units 3 and 4).

⁶⁰ Table 7, Technical Memo at PDF p. 12 (for all EGUs subject to the Proposed Rule).

⁶¹ Cost estimates are based on the following assumptions, scope, and other cost factors. Assumptions include: 85% capacity factor, \$15/ton disposal, \$200/ton lime, \$45/MW power, 15-year life, and 8.25% prime rate. Scope includes: ductwork, foundations, control device, electrical (percent based), no fans, no stack modifications, and ash and lime silos and slurring/feed for upstream control options. Other cost factors include: 0% indirect costs, 8% engineering cost, 0% escalation during construction, 10% contingency costs, and 0% owners' cost.

⁶² Appendix D, *id.* at PDF p. 80 (total annualized costs for Colstrip is calculated by summing the annualized costs for Units 3 and 4).