



Mr. Criswell
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the ESP, but short-lived incidents with exposure to saturated flue gas are not expected to catastrophically damage the ESP.

Cost Estimate for Particulate Control Technology

Burns & McDonnell produced AACE Class 5 estimates for these control technologies based on the 'flange to flange' budgetary price information SEI shared and BMcD's previous experience in building up the fully-installed cost of such projects. The estimated costs are intended to include new ductwork, foundations, support steel, insulation, ash piping, electrical upgrades, new ash silos, new carbon injection systems, and (as applicable) new lime silos and feed systems. The costs do not include new fans, stack modifications, taxes, water treatment, or significant demolition. The Class 5 estimates presented here include: indirects, engineering, escalation during the project, and contingency. The cost estimating method favored by the EPA differs from typical industry cost estimates. Key differences of the EPA cost estimating method include removal of indirect costs and all escalation, and reducing the contingency to 10%. The Class 5 estimates we prepared, and the EPA cost estimates do not include Owners costs or an EPC fee.

The capital cost estimates provided are considered AACE Class 5 feasibility estimates and are provided in 2023 dollars unless indicated otherwise. The estimates were built up using heavy construction cost data from RSMeans, vendor input for major equipment, and in-house information from other projects. Engineering, Construction Management, Start-Up, and Contingency are based on percentages of the total direct cost for these Class 5 estimates. All sales taxes are excluded from the estimates. Talen should not use these estimates to establish the project budget as they are only intended to assist in selecting the preferred solution(s) at the site. The selected alternative(s) should be investigated further, with additional design and more detailed quantity buildup completed along with soliciting local contractors for labor pricing prior to establishing the project budget.

BMcD's estimates, analyses, and recommendations contained in this email are based on professional experience, qualifications, and judgment. BMcD has no control over weather; cost and availability of labor, material, and equipment; labor productivity; energy or commodity pricing; demand or usage; population demographics; market conditions; changes in technology; and other economic or political factors affecting such estimates, analyses, and recommendations. Therefore, BMcD makes no guarantee or warranty (actual, expressed, or implied) that actual results will not vary,

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