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Company: **CONSTRUCTION COST MANAGEMENT, INC.**
Project: **THE PENTAGON OUTFALL**
Estimator: **RICK WYLY, CPE**

Construction Cost Management, Inc. was selected by HDR Engineering as a partner for The Pentagon Outfall project, a highly complex project that would present many obvious, as well as many unknown challenges. The scope of work included preparing various options and alternatives during the design development phase.

Due to the increased condensation created by numerous, large, ineffective and outdated chillers supporting the facility, the drainage system was over-burdened; and The Pentagon Outfall project was to address these drainage concerns.

Multiple alternatives were evaluated, including running large underground pipe to a nearby lake, tunneling underneath the nearby highway system, avoiding existing underground utilities and communications lines, and alternatively replacing existing equipment with newer equipment that would increase efficiency and reduce condensate drainage flow. Modifying existing systems vs. replacing systems with new were evaluated.

Upon the completion of any design project by an Architect or Engineer for the Department of Defense, a Contractor Performance Assessment Report (CPAR) is completed by the Federal Government as a 'reportcard' to judge and rate the performance of the Architect or Engineer. The CPAR for this project included glowing reports not only addressing the A/E design team, but specifically addressing the cost estimate and the cost estimator.

