

ESTIMATING BUDGET COSTS FOR ORDNANCE AND EXPLOSIVE) PROJECTS

AUTHORS: Jim Peterson (Primary POC/Presenter) and Kate Peterson

james.k.peterson@usace.army.mil

Phone: (402) 697-2612

Fax: (402) 697-2639

Development of accurate and consistent cost estimates for projects and their associated phases is a critical step to any organization responsible for budget submissions, contract negotiations, and/or financial decision-making. One of the tools available to develop estimates is the RACER System. RACER is a parametric, integrated cost estimating software system specifically developed for estimating costs associated with environmental remediation projects. RACER provides a range of cost estimating detail from an order-of magnitude in a project's preliminary stages to a refined, detailed definitive estimate at the time of project execution. With the recent high visibility of OE projects, the US Army Corps of Engineers has developed new RACER OE cost models to enable project and program teams to develop more reasonable and defensible cost estimates for OE projects. Each of these OE models can be coupled with other existing RACER models to develop an estimate for the total project cost. It is important to note that these models are not static and are frequently updated, as new information becomes available. The RACER OE models include Archive Search Report Model, OE Engineering Evaluation/Cost Analysis Model, Ordnance and Explosive Removal Action Model, Ordnance and Explosive Institutional Controls Model, and Ordnance and Explosive Monitoring Model. Huntsville Design Center and the Hazardous, Toxic, and Radioactive Waste Center of Expertise developed the RACER OE models and intend to keep verifying the models using historical data and incorporating user comments. In addition research into recently developed innovative technologies and applied engineering solutions may be used to update the models in 2001. These efforts enhance the Corps' ability to continue to estimate defensible budget estimates for OE projects.