

SERVICE OFFERINGS

ERA provides customized, comprehensive and integrated engineering services in the areas of:

- **Engineering studies of commercial, industrial and institutional facilities for energy conservation and facility upgrade.** These studies generally include detailed field surveys (*which incorporate extensive instrumentation and monitoring of electrical and mechanical equipment*), calibrated computer modeling of the facility to within 10% of actual energy consumption (*as appropriate*), development of multiple conservation and upgrade alternatives (*including preliminary design, development of installation budgets and estimates of energy savings*), and detailed, understandable final reports.
- **Design services for HVAC, mechanical, electrical, structural and control systems.** These services generally include detailed field investigation and measurement, final plans and/or specification, selection of major equipment and construction observation and coordination. In the case of control system design, services frequently include point-to-point wiring diagrams, materials lists and system programming and commissioning. On occasion, we also provide control panel fabrication.
- **Performance Contracting Services.** These services have generally included program development for large agencies (State of California, hospital associations, school districts, Veterans Administration) and assistance to agencies and/or individual facilities as the “owner’s rep” to assemble and manage individual performance contracts.
- **Expert witness services.** Because of **ERA**'s staff background in contracting and the firm's focus on work in existing buildings, **ERA** is uniquely capable in the field of forensic engineering. As a result, **ERA** frequently provides services focused on determining the true extent and nature of HVAC and other problems in buildings and employing the resulting knowledge in the resolution of legal disputes.
- **Management consulting in the facilities management field.** These services have included staff selection, sub-contract review, review of facilities management plans, pre-acquisition building surveys and review of maintenance and operations procedures. **ERA**'s unique strength in documentation is particularly valuable in these endeavors.
- **Technical training.** Believing that knowing the right question to ask is more valuable than having a pocketful of ready answers, **ERA** has a strong interest in raising the level of knowledge and professionalism in the facilities engineering field. As a result, over the years, the firm has created and presented numerous training programs for individual clients, temperature control manufacturers, utilities, universities and national engineering societies.
- **Project management consulting.** Our work in this area typically involves project staffing, budgeting, scheduling, and periodic progress review.
- **Custom software development,** including programs written in basic or user-friendly menu-driven templates to run within spreadsheet or database programs. These programs are custom-tailored to meet very specific and time-critical administrative or technical needs.

Clients should note the distinctly broad range of services provided by **ERA**, many of which are not available from traditional consulting firms.