Manufacturing and Processing Plant "Energy Audit"

The identification of economically-justified operating cost reduction opportunities associated with manufacturing and processing plant building, utility, and processing systems – most typically those opportunities resulting in significantly lowered electrical, natural gas, steam, water, and sewer costs.

Initial consultation to establish acceptable return on investment or simple payback, subject systems, and other criteria necessary to focus the energy audit.

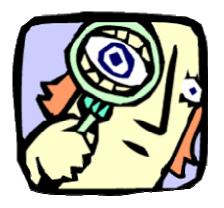




Utility bill audit to evaluate tariffs, rates, and riders; rate and rider options; deregulated energy options; billing accuracy; ratchet and power factor penalties; sales tax exemptions; consumption patterns; unit costs including incremental rates; etc.

Electric demand data and thermal data analysis to assess opportunities such as cogeneration, multi-fueling, on-site generation, peak-shaving, and thermal storage.





On-site inspection of utility systems by an experienced energy auditor with an engineering, manufacturing, and processing background. This assessment of configurations, conditions, control methods, etc. is a comparison to "best practices."

Data evaluation by an experienced energy auditor with an engineering, manufacturing, and processing background.





Final written report including data, recommendations, interaction considerations, savings estimates, cost estimates, budgetary equipment quotations, and supplier contact information.

Optional clarifications and training, especially to address projects that can be implemented entirely "in house" with little or no capital investment.





Optional management consultations to facilitate prioritization of projects; development of implementation plans; evaluation of financing, grant, and performance contracting opportunities; etc.

Reference: http://www.optimumus.com