

Staff Experience - Energy Engineering Experience ¹

Project	Client	Location	Description
Walton County Public Schools Energy Star Evaluations	Walton County Public Schools	Monroe, GA	Reviewed energy consumption, indoor air quality and lighting levels for 7 facilities. Evaluated each facility to determine which qualified for Energy Star certification.
Natural Gas Air Conditioning Evaluations (Multiple)	Various Large Commercial and Industrial Customers of Atlanta Gas Light	Multiple Locations throughout Georgia	Conducted evaluations of natural gas versus electrically driven air conditioning systems to determine cost effectiveness of implementation for institutional, large commercial and industrial end users.
Coffee County Landfill Gas to Energy	ET Environmental	Coffee County, Alabama	Mechanical process design for 3.2W electric power generation, including landfill gas drying and conditioning system, process piping and supports, HVAC, plumbing, as well as modifications to existing flare system.
LaGrange Landfill Gas Drying and Conditioning System	City of LaGrange Utility System	LaGrange, GA	Designed landfill gas drying and conditioning system to recover landfill gas that was formerly flared for use by utility system customers. System yielded an 18-month payback.
Dalton Public Schools Energy Star Certification	Dalton Public Schools	Dalton, GA	Reviewed energy consumption, indoor air quality and lighting levels for 12 facilities. Evaluated each facility to determine which qualified for Energy Star certification.
LaGrange College Energy Star Certification	LaGrange College	LaGrange, GA	Reviewed energy consumption, indoor air quality and lighting levels for 2 facilities. Evaluated each facility to determine which qualified for Energy Star certification.
Cogeneration Evaluations (Multiple)	Various Large Commercial and Industrial Customers of Atlanta Gas Light	Multiple Locations throughout Georgia	Conducted alternative energy evaluations based upon comparisons of traditional electric power use versus use of cogeneration for large commercial and industrial electric power consumers.
Interim Sludge Processing and Disposal Facility	Massachusetts Water Resources Authority	Boston, MA	Evaluated operation of pelletizing sludge dryer to optimize dryer efficiency, reduce energy consumption and improve pellet transport.
Renewable Energy Assessment	NASA Goddard Space Flight Center	Baltimore, MD	Prepared pre-feasibility study of replacing chilled water air conditioning system for a 53,000 square foot office building with a geothermal heat pump system.
Biomass Feasibility Study	Eglin Air Force Base	Valparaiso, FL	Evaluated historic energy consumption, usage patterns and energy infrastructure for 12M square feet of conditioned space on the base.
Energy Audits	US Army Reserve	Multiple Locations in Washington, Idaho	Performed Level 1 energy audits of 8 US Army reserve centers with a combined total of 220,000 square feet of conditioned space.
Water Reuse System Design Build	Manheim Georgia Dealers Auto Auction	Atlanta, GA	Prepared hydraulic calculations, sized process pumps, managed tank erection, coordinated installation of bio-reactor, reverse osmosis filter, ultrafilter, piping, instrumentation and controls.

1 - Experience obtained with ESS and prior firms.