ENERGY DESIGN ENGINEERS
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Energy Design Engineers Environmental and Sustainability Policy

Effective September 2026 | Review cycle - Annual | Policy owner - Energy Design Engineers

Purpose

Energy Design Engineers helps industrial and commercial buildings and higher education facilities find, quantify, eliminate, and verify energy waste. We use advanced technologies to deliver 10–25% greater energy savings than our competitors. Our field measurements, engineering analysis, approach to technology and controls, turn-key solutions, and practical project planning reduce operating costs and environmental impact while supporting safe, reliable operations. This policy establishes the environmental standards that guide our client work, purchasing decisions, partnerships, and internal operations.

Our Commitment

EDE will pursue measurable environmental improvement through the following commitments:

- Comply with applicable environmental laws, regulations, utility program requirements, and client site standards.
- Prevent pollution and reduce avoidable energy use, greenhouse gas emissions, water consumption, material waste, and unnecessary equipment runtime where our work can influence those outcomes.
- Recommend solutions based on measured need, lifecycle performance, maintainability, and lowest total cost of ownership.
- Document assumptions and methods so clients understand how we calculated projected savings and environmental benefits.
- Verify completed work when the project scope includes measurement, commissioning, or post-installation review.
- Review our methods, technologies, and performance regularly and improve them as better information becomes available.

How Our Work Supports Sustainability

EDE focuses on the systems that drive energy and resource use in manufacturing, distribution, institutional, healthcare, retail, and other commercial facilities. Depending on the facility, our work may include the following services.

Facility assessments and roadmaps. Level 1 Energy Hunts, Level 2 energy audits, engineering studies, and implementation roadmaps identify and prioritize practical opportunities across a facility.

Compressed air optimization. One-week data logging, ultrasonic leak detection, compressor sequencing review, pressure and storage analysis, and delivery-system evaluation help reduce wasted compressed air while protecting production needs.

Lighting and network lighting controls. Long-life LED systems, occupancy sensing, scheduling, high-end trim, daylight response, commissioning, and ongoing software support reduce energy use and unnecessary fixture operating hours.

HVAC and building controls. Occupancy-based HVAC control, building management systems, sensors, and equipment scheduling help match ventilation, heating, and cooling to actual facility conditions.

Energy monitoring and reporting. Wireless monitoring, energy dashboards, submetering, and performance reporting give facility teams better visibility into energy use by building, system, process, or unit of production.

Mechanical and electrical system improvement. Reviews of boilers, chillers, air-handling equipment, motors, power quality, process systems, heat recovery, and building-envelope conditions help clients address additional sources of waste.

Measurement and Accountability

EDE uses available utility data, equipment information, field observations, temporary data logging, control-system information, and accepted engineering calculations to establish project baselines and expected results. We identify material assumptions, distinguish estimates from measured results, and correct significant errors when discovered. When post-project data is available, we compare performance with the project baseline and communicate findings to the client.

Responsible Design and Purchasing

We evaluate products and systems for energy efficiency, service life, warranty support, repair and replacement needs, operating conditions, controls compatibility, and long-term ownership cost. We favor durable and maintainable solutions that can be commissioned correctly, supported over time, and expanded without unnecessary replacement of usable equipment. We also consider supplier documentation, regulatory listings, and end-of-life handling when they are relevant to the project.

Environmental Compliance and Pollution Prevention

EDE and its contractors will follow applicable environmental and safety requirements while working at client facilities. Project activities will be planned to prevent releases, unnecessary waste, and avoidable disruption. Qualified parties will manage materials requiring special handling, including lamps, batteries, electronic components, oils, refrigerants, or other regulated materials, using approved methods. EDE will promptly report any known or suspected noncompliance connected with its work and address it with the client and responsible parties.

Client and Utility Collaboration

Meaningful energy reduction requires cooperation among plant leadership, maintenance, engineering, production, environmental health and safety, finance, utilities, equipment providers, and installation partners. EDE will clearly communicate project requirements, protect client information, support available utility incentives, and provide the operating guidance or training included in the project scope. When a client maintains an ISO 14001 program or other environmental management system, EDE will support the documentation and performance information reasonably required for the project.

Our Own Operations

Within our own business, EDE will limit unnecessary travel, use digital workflows where practical, maintain equipment to avoid waste, and reuse or recycle office and electronic materials when suitable services are available. Purchasing decisions will consider durability, energy performance, and the environmental practices of significant suppliers when those factors are material to the decision.

Leadership Responsibility and Review

EDE leadership is responsible for communicating this policy and considering it in company decisions. Employees and contractors are expected to follow the policy within the responsibilities and authority assigned to them. EDE will review this policy at least annually and update it when company services, legal requirements, environmental priorities, or operating practices materially change.

Direct questions or concerns about this policy to info@energydesignengineers.com or 734 215 1133.