

Energy Management

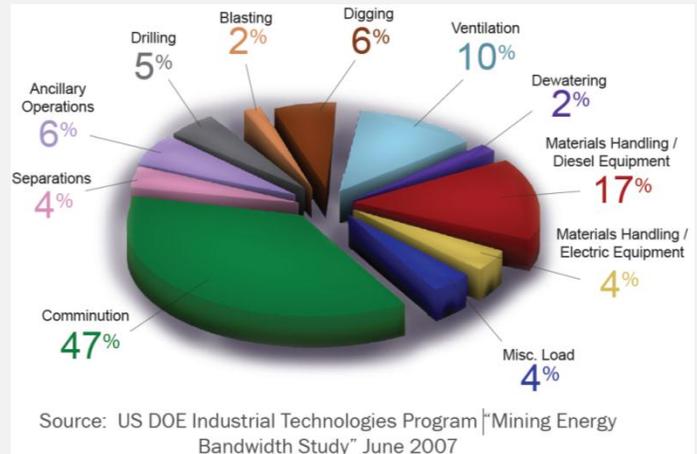
Mine Energy Management

Tetra Tech provides its clients with site-wide energy management and area-specific services that optimize energy performance, enhance operational efficiency, conserve water, reduce greenhouse gas emissions, and save money.

Our specialized services in the energy management arena provide cost-effective solutions for our clients while improving energy security and overall environmental stewardship.

Services

- Comprehensive energy audits
- Retro-commissioning and building tune-up services
- Strategic energy plans
- Renewable energy feasibility assessments
- Distributed generation systems development and optimization
- Long-term strategy development for energy supply
- Soliciting and evaluating energy supplies
- Supply aggregations and bill consolidation
- Leadership in Energy and Environmental Design (LEED)
- Energy Star program and ISO 50001 support; energy savings measurement and verification
- Metering services
- Billing and management oversight
- Grant and incentive support



Industrial Energy Efficiency

Fluid handling and pumping stations, industrial ventilation, heat exchange and recovery equipment, and other mechanical services, when properly designed and selected, can significantly improve industrial energy efficiency. The same is true for electrical power, lighting, heating, and control systems. Equally important is the design and construction of the building envelope. Tetra Tech specializes in all of these design areas.

Productivity Improvements

We utilize up-to-date technology to improve mechanical and electrical energy use, enabling our clients to bridge the gap between the past and the future.

Our extensive expertise in energy management and industrial processes, as well as specialized techniques such as energy process integration (pinch analysis), benefits our clients through:

- Process optimization
- Energy use reduction
- Mass and energy transfer
- Energy-efficient processes
- Heat recovery and reuse
- Electrical load management
- High-efficiency devices

Tetra Tech is a leading provider of consulting, engineering, program management, construction management, and technical services. The company supports government and commercial clients by providing innovative solutions to complex problems focused on water, environmental, energy, infrastructure, and resource management. With 13,000 employees worldwide, Tetra Tech's capabilities span the entire project life cycle.



Renewable Energy

Tetra Tech can help measure, verify, and monetize CO₂, SO_x, and NO_x and evaluate opportunities for renewable energy credits.

With a vested interest in the services we provide and the results we achieve, Tetra Tech embraces energy efficiency, water conservation, and sources for renewable energy to meet today's challenges.

Energy Auditing

To assess energy consumption patterns and develop a facility-wide energy management plan, Tetra Tech gathers baseline information by evaluating such things as comminution best practices; diesel combustion efficiencies; ventilation and supply fan controls; fan and motor sizing; compressed air systems; renewable energy applications; electric motors and drives; conveyor belt systems; process and steam systems; heat recovery and building envelope upgrades; water/wastewater systems; and lighting systems and space utilization. Knowing where energy is consumed and areas of waste within the operations allows a targeted approach to energy-saving improvements. We identify technically sound, cost-effective energy and water conservation actions.

Site Optimization Planning

Improving energy management in site operations is a significant opportunity to improve cost competitiveness. Key planning elements will be broadly applicable to many different sites in both current and future operations. We assist clients with the supply and demand side complexities of energy management and the reduction of greenhouse gas (GHG) emissions.

11 Years

of experience in performance-based, on-site energy management services providing unmatched client satisfaction

\$700 Million

managed in annual utility budgets and supporting energy management programs

70+ Energy Facilities

managed worldwide

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