LP Management Services, Inc.
Specializing in Safety, Health and Risk Management Consultation

Energy Efficient Building Operations

Energy efficiency is foundational to the financial and environmental performance of buildings. Understanding energy efficiency is necessary to ensure high quality operations and maintenance of buildings.

This class covers the fundamentals of building energy performance, including how to benchmark and assess performance levels, comparing buildings in a portfolio, how utilities charge for energy use, key energy-efficient operating strategies, new technology developments and opportunities for capital retrofit projects. Anyone responsible for operations or maintenance of building energy-using systems should attend

Duration: 8 Hour Program

ENERGY PERFORMANCE BENCHMARKING
Metrics for all Building Types
Metrics for Data Centers
ENERGY STAR Benchmarking

UNDERSTANDING UTILITY RATES
Incremental Rates
Time-of-Use
Real Time Pricing

KEY OPERATING STRATEGIES FOR ENERGY EFFICIENCY
Scheduling
Minimizing Parasitic Energy Loads
Part Load Operation
Sequencing Multiple Pieces of Equipment
Set Points and Reset Strategies
Application to Chiller Plants
Application to Air Distribution Systems
Application to CRAC Units

ENERGY RETROFIT OPPORTUNITIES
Lighting and Lighting Control
Variable Frequency Drives
New Chiller Technology
Heat Recovery
Advanced Controls

POTENTIAL FOR ONSITE GENERATION
Fuel Cells
Solar Power