JOHN T. FORESTER, P.E., LEED AP

DIRECTOR OF ENERGY & SUSTAINABILITY

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Profile

Upper-level Management Professional driven to improve corporate profitability and transparency through all avenues of sustainability performance as they align with corporate vision and policies and the interests of key stakeholders

Expertise

Program Development
Evaluate, improve and integrate sustainability policies and programs

Technology
Utilize software and hardware systems for visibility/analytics

Capital Planning
Guide Property Management teams to identify and prioritize capital investment projects

Energy Audits
Seek out energy savings opportunities of existing systems and processes

Systems Knowledge
Broad understanding of complex energy systems and controls

Team Leadership
Proven ability to effectively coordinate and direct resources to execute solutions

Technical Skills

- Research Market Trends
- Oral and Written Communication
- Data Systems Integration Planning
- Return On Investment (ROI) Analysis
- Benchmarking and Monitoring
- Corporate Sustainability Stewardship

Experience

Reit Management & Research LLC — 3/2011-Present
Director of Energy & Sustainability

- Develop capital budget and performance financing strategies for energy and LEED-related projects.
- Create and conduct employee development programs to promote energy and LEED awareness for engineering and operations personnel.
- Manage energy procurement for more than $40 million of deregulated annual energy consumption.
- Standardize best practices and create benchmarks and scorecards for multiple public portfolios.
- Lead and contribute to executive level presentations in support of organizational goal setting and implementation planning.
- Develop, implement and improve procedures related to energy management, indoor air quality, water conservation, sustainable site development, and materials selection.
- Define and implement corporate social responsibility (CSR) initiatives, policies and programs while identifying and tracking key performance metrics.
- Guide executive management on external sustainability reporting through GRESB and Annual Reports.
- Represent organization and communicate efforts through sustainability forums and energy conferences.
- Initiated electricity demand response program that generates $380,000 in annual revenue and ensure continual program growth.
- Review and negotiate supply and service contracts to ensure business terms align with program needs while minimizing risks. Communicate efforts to legal counsel.

Experience continued

BVH Integrated Services 3/2010-3/2011
Mechanical/Sustainable Design Engineer

- Provide big-picture strategy support for conceptual level brainstorming to meet client's energy and operation goals and campus master plans.
- Create carbon footprint and greenhouse gas emissions calculations and reporting forms for all energy sources used by commercial businesses.
- Develop reporting spreadsheets and charts to track project energy performance estimates and compare energy utilization index (EUI) across projects.
- Participate in project development for existing building energy audits, new project interviews and net zero energy (NZE) and water projects.
- Research and document sustainable design options and market trends.
- Provide leadership and guidance to junior-level engineers on energy simulations and technical reports.
- Perform space-by-space load calculations using Trane TRACE analysis software.
- Size and layout HVAC airside distribution equipment including AHUs, ductwork, terminal boxes, chilled beams, grilles/diffusers.

DMI Engineering Consultants 2005-2010
Energy Efficiency Engineer

- Review commercial building designs of new construction projects and suggest improvements to increase system efficiencies. Confirm the system design meets the owner’s requirements.
- Partner with regional utility companies to coordinate energy consulting services in conjunction with energy efficiency and demand response programs.
- Develop project proposals, budgets and timelines for LEED modeling, commissioning and utility company energy efficiency projects.
- Provide energy savings analysis through detailed building energy simulations using eQuest for utility incentive programs and LEED Certification credits.
- Complete detailed energy modeling of cogeneration systems for varying applications.
- Identify energy savings opportunities by conducting energy audits of commercial, institutional and industrial buildings and processes.
- Develop and execute LEED functional test procedures prior to building occupancy and during warranty phase commissioning.
- Verify equipment installations, operating set points and control sequences meet design intent and satisfy LEED fundamental and enhanced commissioning requirements.
- Conduct metering of existing HVAC and process equipment for energy calculations and verification of equipment operating parameters.

Education

University of Maine - Orono, Maine 2014
Professional Science Masters in Engineering and Business

- Program combines advanced engineering and business courses with applied field experience.
- Meet the education requirements to become a Project Management Professional as certified by the Project Management Institute.
- Develop enhanced personnel and financial management skills

Education *continued*

University of Maine - Orono, Maine 2002-2005
Engineering Graduate Studies

- Completed 27 credit-hours of advanced engineering courses. Topics include: heat transfer, fluid dynamics, thermodynamics, numerical methods, finite element analysis

University of Maine - Orono, Maine 1997-2002
B.S. Mechanical Engineering

- Member of the Francis Crowe Society
- Completed intermediate proficiency of the German Language

Event Participation

- 2014 Building Energy Summit, Washington, D.C. – Advisory Council Member, Session Moderator, Business and Finance Track: Sustainable Energy Efficiency Program Development
- NAREIT Leader in the Light Working Forum, 2012-2014
- Boston VERGE 2013, Session Panelist – Capitalizing on Energy Efficiency: Balancing corporate environmental stewardship with compelling financial metrics for both owners and occupants.

Professional Affiliations

- Licensed Professional Engineer (MA: 48663)
- ASHRAE Associate Member
- USGBC LEED Accredited Professional
- Professional Blog: Building Design Resource