

HKS Sustainable Design Engineer and Energy Modeling Services Manager Responsibilities

- A. Responsibilities relative to Enhancing HKS Basic Design Services
 - 1. Implement HKS DesignGreen initiatives within the firm as part of a core department dedicated to improving the design of HKS projects.
 - a) Assist architectural designers in evaluating their designs for environmental responsiveness
 - b) Lead the effort to identify appropriate energy software for design teams
 - c) Assist and train design teams in basic energy modeling
 - d) Assist in the presentation of project designs when appropriate
 - 2. Provide leadership and consulting relative to the transition to Integrated Project Delivery
 - 3. Initiate and manage a database of a sampling of HKS projects for energy consumption tracking purposes including:
 - a) Modeled Energy Consumption
 - b) Actual Energy Consumption
 - c) Energy Star Database Comparisons
 - d) Document attributable sustainable design strategies and techniques
- B. Responsibilities relative to Specialized Additional Services in Sustainable Design Consulting
 - 1. Manage and market consulting services required for LEED certification including NC, CI and EB
 - 2. Play a lead role in eco-charette services and assist in the development of non-traditional integrated design solutions
 - 3. Market and manage full energy modeling services with the assistance of architectural interns versed in Revit
 - 4. Market and conduct peer reviews of MEP designs for selected projects
 - 5. Market and manage daylighting and CFD studies
- C. Research & Development and Marketing
 - 1. Conduct research on advanced sustainable design strategies
 - 2. Produce white papers and other articles on sustainability for publication
 - 3. Prepare and present seminars on sustainable design both internally and externally
 - 4. Assist in the development of marketing materials and actively participate in the pursuit of new projects including interviews with existing and new clients.