

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.