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PUTT-PUTT FUN CENTER
CHAPEL HILL, NORTH CAROLINA
ENERGY MANAGEMENT PLAN

The current Town of Chapel Hill Energy Management Plan Section of the Special Use Permit Application list of requests are reproduced here, accompanied by its response (in italics):

a) "Description of how project will be 20% more energy efficient than ASHRAE Standards"
   a. *Design of the project will incorporate the following elements to will increase building energy efficiency:*
      i. *LED Lighting*
      ii. *Enhanced exterior wall insulation*
      iii. *Energy recovery HVAC systems*
      iv. *High-efficiency domestic hot water system*
      v. *Heat-absorbing, low-emissivity or tinted window strategies*
      vi. *Use of energy star appliances and equipment*

b) "Description of utilization of sustainable forms of energy (Solar, Wind, Hydroelectric, and Biofuels)"
   a. *The possible use of a solar energy source hot water system is the only current option to explore*

c) "Participation in NC GreenPower program"
   a. *Participation in the program will be explored through either a probable contribution or solar*

d) "Description of how project will ensure indoor air quality, adequate access to natural lighting, and allow for proposed utilization of sustainable energy"
   a. *A 100% outdoor air make-up system is proposed*
   b. *The design of non-entertainment spaces for the Entertainment Building such as lobby, offices, all party rooms and potentially the kitchen will receive exterior windows for natural light*

e) "Description of how project will maintain commitment to energy efficiency and reduced carbon footprint over time"
   a. *Open Space: through incorporation of LEED-compliant forms of open space design practices to create exterior open space that encourages interaction with the environment, social interaction, passive recreation and physical activities*
   b. *Light Pollution Reduction: through of LEED-compliant forms of light pollution reduction design practices to improve nighttime visibility and reduce the consequences of development for wildlife and people*
   c. *Heat Island Reduction: through LEED-compliant forms of heat island reduction design practices involving reflective cart track pavements and roofing materials*
   d. *Outdoor Water Use Reduction: through LEED-compliant forms of outdoor water use reduction design practices involving limiting irrigation areas and careful selection of planting materials that should thrive in years of normal rainfall*
   e. *Indoor Water Use Reduction: through LEED-compliant forms of indoor water use reduction design practices involving specification of water-saving plumbing fixtures*
   f. *Fundamental Refrigerant Management: through LEED-compliant forms of fundamental refrigerant management design practices to reduce stratospheric ozone depletion*
   g. *Construction and Demolition Waste Management Planning: through LEED-compliant forms of demolition and construction waste management planning and practices*
   h. *PBT Source Reduction—Mercury: through LEED-compliant forms of reduction of mercury-containing products and devices through product substitution*

    i. *Indoor Environmental quality: through LEED-compliant forms of minimum indoor air quality performance compliance, environmental tobacco smoke control and minimum acoustic performance strategies*
    j. *Through the specification and use of LEED-recognized building materials and furnishings*

f) "Description of how the project's Transportation Management Plan will support efforts to reduce energy consumption as it affects the community"
    a. *Proposed project siting provides LEED-compliant access to bus routes for guests and employees and accommodations for bike riders*

g) "An outline of each elevation of the building, including the finished grade line along the foundation (height of building measured from mean natural grade)"
    a. *Height from mean natural grade indication is provided on the Drawings*