
Chapter Six: Effects On The Use and Conservation of Energy

CHAPTER SIX: EFFECTS ON THE USE AND CONSERVATION OF ENERGY

6.1 Proposed Energy Sources and Alternatives

Services to the site will be provided by National Grid. They have been contacted relative to service availability to support this project.

6.2 Anticipated Levels of Energy Consumption

Short-term energy demands would result from the construction of the proposed development. Construction of the project would require the use of fossil fuels for the operation of construction equipment.

Long-term energy demands would result from the operation of the proposed development. Fossil fuels (i.e., gasoline, natural gas and heating oil) would be consumed for vehicle use and building heating. The proposed project will require services supplied by National Grid. It is not known at this time what the total electric and gas consumption rate will be for the proposed project. We believe any power issues that may exist in the area around the project will be alleviated by National Grid through the construction and refurbishment of an existing substation which is located in the Renaissance Drive and Ayer Road area. The substation will double the size of the current substation. The construction of a new substation has already been approved by the Town of Amherst Planning Board and is in the initial construction phase.

6.3 Indirect Effects on Energy Consumption

Due to the adequacy of services, and energy efficient construction, there will not be significant environmental impacts due to energy consumption. (See Chapter Four)

6.4 Energy Conservation Measures

Energy conservation measures will consist of an energy management system which will efficiently control the use of services provided by National Grid. The energy efficient systems to be installed for the condominium/ townhouse units, hotel and other commercial/ retail buildings in this project will include insulation in walls and ceilings, energy efficient windows and time regulated thermostats. Energy efficient ambient heating and water heaters will also be installed.