

**8.0 EFFECTS ON THE USE AND CONSERVATION OF ENERGY RESOURCES**

Energy consumption will occur during construction and occupancy of the proposed residences, but this energy use will not be significant. During construction, energy will be used for power equipment and various construction vehicles. Once construction is completed and the residences occupied, energy will be required for space heating, air conditioning, and the use of household appliances and electrical equipment. Electrical service to the project site will be provided by Consolidated Edison (Con Edison). Based on telephone communication (February, 2003) with Con Edison's Energy Conservation Office (1-800-522-5635), actual electrical demands for individual homes vary considerably based upon the lifestyles and habits of the occupants. Con Edison does not anticipate any problems accommodating the projected electrical demands created by the proposed development.

The proposed houses will be designed and built in conformance with the energy conservation regulations of the New York State Energy and Building Codes, at a minimum. The specific energy conversion systems have not yet been designed in sufficient detail to permit examination of the extent of energy consumption or conservation. The orientation of the buildings will take advantage of solar exposure, and modern heating and cooling systems are proposed to conserve energy resources.