

SECTION 8 EFFECT OF THE MODIFIED PROJECT ON THE USE AND CONSERVATION OF ENERGY

The proposed action will cause a use of energy. The consumption of fossil fuels and power will be required by the project both in its construction and operational phases.

During construction, the primary expenditure of energy will be the consumption of fossil fuels to operate construction equipment and to transport construction workers and materials to the site. This activity will cause a temporary and unavoidable increase in energy use. Some of the activities involving fuel consumption during the construction phase include clearing and grubbing, excavation, grading, building construction, and road construction.

The daily action of Resort guests traveling to a variety of destinations, and resort employees traveling to and from work will contribute to the consumption of fossil fuels.

Normal day-to-day operation of the resort will contribute to power consumption on a long-term basis. Heating and air conditioning requirements will also cause the consumption of power resources.

Outside of the structures, some outdoor lighting is expected, but will not result in a substantial use of electricity.

NYSEG has indicated that the existing electricity infrastructure and supply are adequate to meet the new demand of the resort.

A substantial amount of energy conservation will occur at the proposed Highmount Hotel and Lodge buildings. The earth and vegetation covering of the building will reduce heat loss in the winter and will keep the interior of the building cooler during the summer months.

See Sections 2.8.12(A) and 2.8.12(E) for a full discussion of energy conservation measures that have been incorporated into the project.