

## Exhibit X.C.6

### RENEWABLE ENERGY

*Submit as Exhibit X. C.6. a description of plans for procuring or generating on-site at least ten (10) percent of the facility's annual electricity consumption from renewable energy sources qualified by the New York State Energy Research and Development Authority (NYSERDA).*



## RENEWABLE ENERGY

### Approach

Nevele plans to meet this requirement by working with a major solar photovoltaic (PV) installation company to install a solar farm on land near the resort. This will be a symbol of our forward-thinking approach to the development of this project. The PV panels will be neatly laid out in an impressive display of more than 10 acres of a renewable energy generating system.

Other avenues were investigated to meet this requirement of the RFA, but this approach was the most direct and effective method to meet the goals of the project. The most effective approach to generating the renewable energy sources at the site will be to install a ground mounted solar photovoltaic system. Using an estimate of the annual electrical consumption for the proposed Nevele complex (see below), the solar system size is estimated to be 2.8 MW(dc), which will offset approximately 13% of the estimated consumption. The energy produced above the suggested 10% will enable the team to obtain two additional LEED points. This energy from the sun will be fed into the local electrical grid and supply electricity during the periods when the grid needs it the most (during the day), and will provide maximum power during hot summer afternoons.

### Solar Array Location & Size

This array of panels will require 11 acres of land which is planned to be sited near one of the casino parking lots. Because of spacing requirements of the panels, the ground below will still primarily be able to receive and absorb rainwater, reducing any adverse runoff events as a result of the installation.

On the following page, we have included a sketch of the location and size of the proposed solar array.



### Solar Power Purchase Agreement & Schedule

The financial arrangement that will be utilized will be a Solar Power Purchase Agreement (PPA) which will be arranged with an Independent Power Provider (IPP). The IPP will be in charge of the operation and maintenance of the system. The cost, which will be carried by the IPP, will be approximately \$5 million and the resulting cost of electricity will be \$ 0.09/kW-hr.

Based on past experience, a solar system of this size can be designed and installed during the course of a year's time period.

**Sizing**

The sizing of such an array is based on the following statistics:

Annual consumption of electrical power	25.6 million kW-hrs
Renewable system Size (to produce 10% of above)	2.8 MWdc
Annual production of electricity	27 million kW-hrs
Central Hudson Gas and Electric - Rate	\$ 0.085 per kWh

**Notes**

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