

INFRASTRUCTURE REQUIREMENTS

Exhibit VIII. C.17.b

Careful consideration was given to reducing peak water and electricity demands at the project. With 100 percent of the irrigation proposed on-site using reclaimed water and not potable water and the proposed 6,665 toilets on-site using reclaimed water for toilet flushing, the reclaimed water demand is estimated to be 133,000 gallons per day (gpd). To conserve water, the proposed water park will use looped recycled water with UV and chlorine disinfection.

Peak electricity usage will be reduced by using several specific peak shaving strategies. Reduction of electrical usage will be possible through ongoing energy consumption monitoring. As the systems design is finalized electric loads will be identified that can be easily terminated or regulated without impact to Resorts World Hudson Valley during restrictions. Strategies that have been employed in similar facilities to reduce demand during high-demand periods include removing loads such as larger equipment like chillers from the central site plant to operate only during off-peak hours. Loads will be prioritized by the time of day that they need to be in operation.

The systematic use of on-site electrical generation through renewable energy sources also will be available to this project (see **Exhibit X. C.6**). Having the capability to add capacity during peak periods or times of restriction is another approach that will be incorporated into the overall infrastructure plan.

Lastly, there will be on-site high-efficiency generators available for usage in extreme cases. Stand-by generators would be brought online in a limited capacity, but could be included in the overall plan to address electrical restrictions during peak-demand periods.