

EXHIBIT VIII.C.16 – Physical Plant and Mechanical Systems

Submit as Exhibit VIII.C.16. a brief description of plans for mechanical systems and on-site infrastructure, with particular emphasis on unique features (e.g. district hot or cold water, on-site power generation, on-site water or waste treatment, etc.). Indicate whether the project relies on distributed or building HVAC, chilled and hot water, and other systems. Describe plans for systems redundancy, if any. Describe significant dedicated physical plant spaces by location and approximate square footage. Describe plans for emergency power generation and uninterruptable power supply.

Our current intention for the facility HVAC system is to use a Central Heating and Cooling Plant, but we will pursue possible alternative systems if they can provide the same level of comfort to our guests and employees and ensure similar energy savings. The chiller system will include three (3) high efficient chillers with variable speed chilled water pumps and variable speed condenser water pumps. A free cooling heat exchanger will utilize the cooling tower water to provide chilled water during off-peak seasons and save hours of operation on the chillers. High efficient low NOx hot water boilers will include variable speed pumps to serve all heating requirements. The heating system will operate at a high temperature differential to minimize pumping energy and enable proper control. Closed circuit fluid coolers will serve ice machines, kitchen equipment, and data closet air conditioning requirements. Gaming areas, hotel ventilation and restaurant spaces will be served by energy recovery ventilation units providing code required ventilation in the most efficient manner. The hotel will be served by 4-pipe fan coil units and an energy recovery ventilation unit.

There will be three (3) centrifugal chillers, each sized for 50% capacity resulting in one (1) redundant chiller and three (3) cooling towers, each sized for 50% capacity resulting in one (1) redundant cooling tower. The Heating Plant will also have one (1) redundant boiler. All pumping systems will have one (1) standby pump for redundancy. The Gaming area will be served by two (2) Energy Recovery Ventilation Units and two (2) Rooftop Air Handling Units which will enable the space to be maintained comfortably in the event of one (1) unit failure.

The Casino and Hotel will be served by a high-voltage transmission line from the local power company; which will be transformed down to 480V and distributed throughout the facility. Two (2) 1000kW generators will be provided for emergency power during the loss of normal power. These generators will serve legally required loads (egress lighting, exit signs, fire alarm system, smoke control system, etc.) along with owner optional loads (cage lighting, casino floor and equipment, select restaurants and kitchens, etc.). An uninterruptible power system (UPS) will be provided for slots, security system and telecommunication systems. The lighting will utilize high efficiency technology (fluorescent and LED) and automatic lighting controls for compliance with energy conservation codes.

