ENERGY EFFICIENT EQUIPMENT

EXHIBIT X. C.3

The heating ventilation and air condition (HVAC) equipment for this project will consist of a chilled and heated four-pipe water pumped system. Air distribution will come from variable and constant volume roof-mounted air handling units with supply and return high-efficiency fan sections and cooling and heating water coils.

The water chillers will be high-efficiency 0.55 kilo watts/ton machines. The water boilers will be 95 percent high-efficiency condensing boilers. The chilled and heating water pumps will be supplied with high-efficiency motors.

The hotel rooms will be served by vertical stacked four-pipe fan coil units with high-efficiency variable volume energy-consumption monitoring motors and modulating control valves. The entire HVAC system (excluding the hotel rooms) will be controlled by a direct digital control building automation system. Automation will provide optimal equipment performance throughout the year. The ventilation system will be a demand controlled system through carbon dioxide sensors, to track building occupant levels and provide optimal outside air volume and indoor air quality.