

MOHEGAN SUN AT THE CONCORD

EXHIBIT X.C.2: LEED Certification

EXHIBIT X.C.3: Energy Efficient Equipment

The Mohegan Sun at the Concord Hotel and Casino exhibits many modern amenities and sustainability features that contribute not only to the well-being of occupants and guests, but the surrounding community as a whole. From high-efficiency plumbing fixtures to a sophisticated building management system, the Concord Hotel & Casino addresses environmental concerns associated with development and contemplates the ongoing efficient performance of the property for years to come. While not a Leadership in Energy and Environmental Design (LEED) property, the Concord Hotel & Casino maintains many of the measures that LEED and the United States Green Building Council (USGBC) sets forth. The following outlines those specific sustainable and efficient measures the Concord Hotel & Casino proposes to include.

The development's approach to sustainability centers around three (3) primary categories: water efficiency, energy conservation and materials selection. High-efficiency lavatories, water closets, showers and pre-rinse spray valves will contribute to an overall reduction in water usage at the property ranging from 30-40% below established baselines. Further, the landscape will consist of native and adaptive plantings that are less-reliant on municipally-supplied water sources for irrigation.

With respect to energy conservation the development will utilize a life-cycle, integrated project delivery approach. The building envelope; including site orientation/optimization, fenestration analysis, low-E and argon filled glazing with low U-values and solar heat gain coefficients (SHGC), well-insulated walls, roofs and openings, will be closely coordinated with the building systems and operational management requirements. Interior and exterior light fixtures as well as specialty signage/features will incorporate low-wattage, high-efficacy lamping thereby reducing interior heat loads and minimizing electricity usage. Lighting systems will also have dimming and tempering capabilities as well.

The mechanical system will include high-efficiency equipment that is closely managed and incorporated with a building management system (BMS). The system itself will be serviced by a central plant along with a variable-primary chilled water loop and corresponding primary-secondary boilers for hot water service and heating. The central plant will include cooling towers, variable frequency drives (VFDs), airside heat exchangers, water to water heat exchangers for domestic hot water and whole building metering for plumbing and mechanical systems all tied to the BMS mentioned prior. An upgraded building automation system (BAS) will also be provided to optimize the central plant.

Additionally, the mechanical distribution system may include, but not be limited to the usage of fan coil units (FCUs), enthalpy heat wheels, evaporative cooler/propane heated make-up air systems, underfloor induction heating, ventilation and cooling (HVAC) systems and air handling units (AHUs) with variable air volume (VAV) systems capable of modulating energy consumption given the environmental and climatic requirements of the property on a continual basis. Also, selected equipment and appliances will meet or exceed Energy Star thresholds providing a lower consumptive plug load and operational impact.

Associated with the mechanical system, indoor air quality for the facility will be of prime importance. CO2 sensors will be installed for regularly occupied spaces providing active ventilation as required. Airflow measurement devices and full automation with the BMS/BAS will ensure proper overall ventilation for all spaces allowing for improved indoor environmental quality and occupant or guest experience.

Low-emitting materials will also contribute to improved indoor air quality. Material selections on the whole will be sourced from renewable, recyclable and regional material choices that minimize waste and help protect the environment as well as occupants. Core building materials as well as final finishes will consider these parameters during design as well as during installation. From caulks to carpet, building material selections will augment the other sustainable attributes of the Concord Hotel & Casino.

As described above, the Mohegan Sun at the Concord Hotel and Casino takes a prudent, practical and strategic approach to sustainable design and construction. By focusing on the core elements that make a building sustainable the Mohegan Sun at the Concord Hotel and Casino will operate in the spirit of LEED

while providing customers with a unique and modern gaming experience that considers the environment from design, into construction and through operations.