

RESULTS?
LEED v3: 51% Savings over baseline
2013 TITLE 24: 39% Savings over baseline

- 18,550 sf roof area features a 295 kW PV system, producing **354,000 kWh/yr.**
- Efficient lighting design results in a **37.6% reduction of energy.**
- Displacement ventilation system provides uniform temperature throughout the space and stratifies temperature above the occupied zone.
- Pool dehumidification and energy recovery system uses **100%** outside air to delete recirculation of contaminants and odors while providing comfortable temperatures and humidity levels, as well as energy reduction.
- The HVAC system air distribution system captures chlorine odors and contaminants at their point of settlement. The 100% outside air system insures that the odors and chemicals are never recirculated back into the building.

DISPLACEMENT DIFFUSERS DESIGNED TO PROVIDE HEATING & COOLING FOR THE SPACE

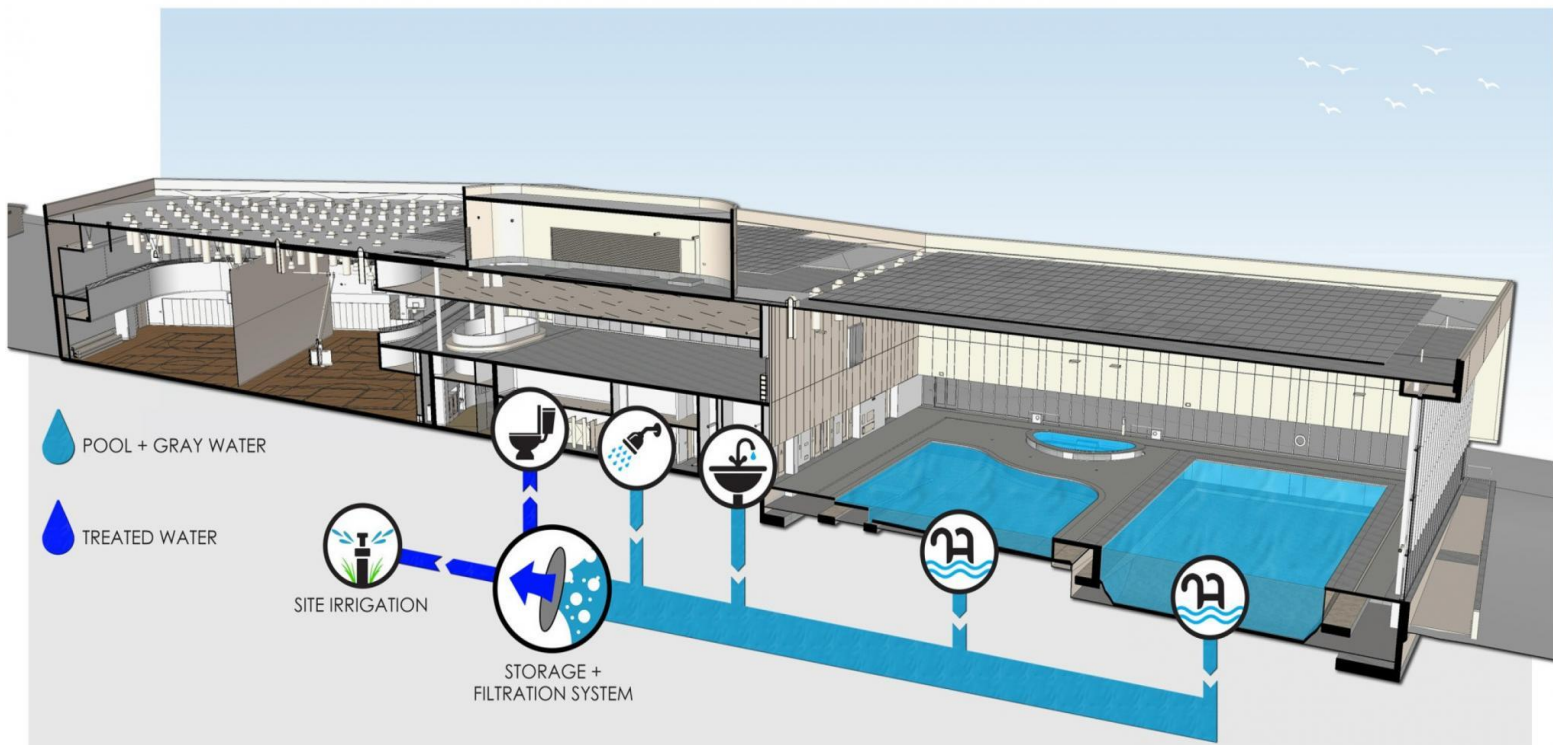
SOLAR TUBES PROVIDE NATURAL LIGHTING

RETURN AIR

VARIABLE AIR VOLUME SYSTEM USING THE TEMPERATE CLIMATE FOR MAXIMUM ECONOMIZING FOR COOLING IN CONJUNCTION WITH DISPLACEMENT VENTILATION



SITE ECOLOGICAL ZONES



Back wash from the pool and gray water from showers and lavatories is captured and processed to provide 100% of the non-potable water needed for flushing all toilets and site irrigation.