

# IHS Ft. Yuma Healthcare Center: Sustainability Project Profile



**Building owner:** Indian Health Services

**Location:** Winterhaven, California

**Climate zone:** 2B-Dry (Desert/Xeric Shrubland)

**Project size:** 72,000 square feet

**Elevation:** 207 feet above sea level

**Completion date:** March 2018



**Energy Savings:** Estimated to save \$107,000 per year for a percent savings of 61.9% when compared to the ASHRAE 90.1-2010 baseline.



**Water Savings:** The building uses no potable (drinking) water for irrigation. All irrigation will come from cooling tower (HVAC) blowdown water.



**Waste Savings:** Project diverted 82% of all construction waste (by weight) from landfills, by separating construction waste, and shipping all recyclable material to local recycling centers. This is equivalent to 248 tons or 31 eight ton truck loads diverted to the landfill.

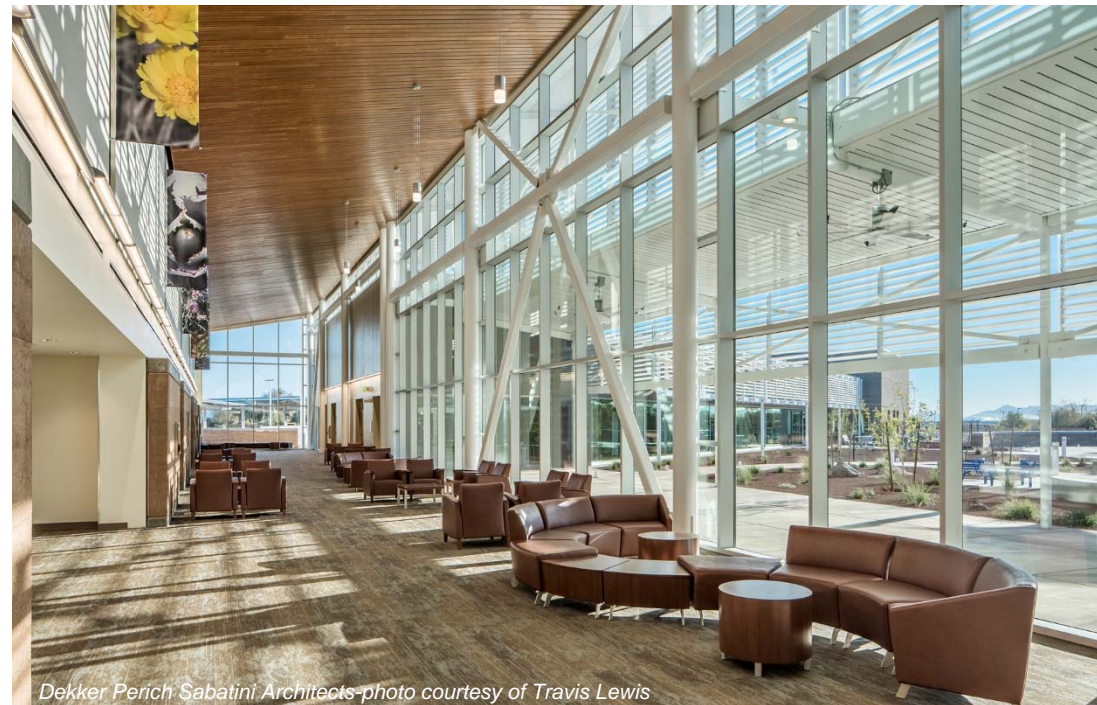


**Sustainability Feature:** Newly installed photovoltaic system generating 300 kW, with an annual production of 466,665 kWh/year. This is equivalent to the sum of greenhouse gas emissions from 67 homes' energy use for one year in this area.



Dekker Perich Sabatini Architects-photo courtesy of Travis Lewis

LEED® Facts	
Ft. Yuma Health Care Center Winterhaven, CA	
LEED NC 2.2 Certification awarded Month/Year	
<b>Gold</b>	<b>39*</b>
Innovation & Design	2 / 5
Sustainable Sites	9 / 14
Water Efficiency	4 / 5
Energy & Atmosphere	13 / 17
Materials & Resources	2 / 13
Indoor Environmental Quality	9 / 15
* Out of a possible 69 points	
Certified:	26-32 pts.
Silver:	33-38 pts.
Gold:	39-51 pts.
Platinum:	52-69 pts.



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## Design Project

*"as designed"*

**381.6**  
(Metric Tons CO<sub>2</sub>e)  
*"green house gases"*



## Median Property\*\*

*"other properties"*

**774.0**  
(Metric Tons CO<sub>2</sub>e)  
*"green house gases"*

**63.9**  
(Site EUI kBtu/ft<sup>2</sup>)  
*"energy consumption at the site"*



**129.7**  
(Site EUI kBtu/ft<sup>2</sup>)  
*"other properties energy consumption at their site"*

**154.6**  
(Source EUI kBtu/ft<sup>2</sup>)  
*"energy consumption at power plant"*



**313.7**  
(Source EUI kBtu/ft<sup>2</sup>)  
*"energy consumption at power plant"*

**85 Score**

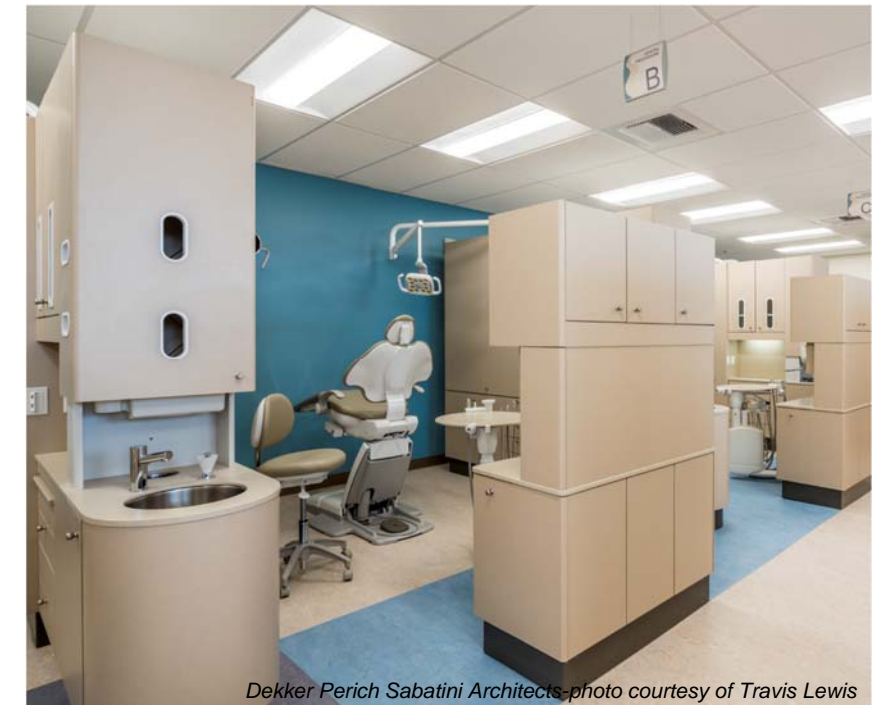
*"overall design out of 100"*  
Statement of Energy Design Intent



**50 Score**

*"typical design out of 100"*  
Statement of Energy Design Intent

\*\* Measure of how well property is performing relative to similar properties in the U.S.



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