

IHS Dilkon Medical Center: Sustainability Profile

Building owner: Indian Health Service

Location: Dilkon, Arizona

Climate zone: 5B-Dry (Desert/Xeric Shrubland)

Project size: 144,456 square feet

Elevation: 5,885 feet above sea level

Completion date: December 31, 2021



Energy Savings: Estimated to save \$122,710 per year for a percent savings of 35.7% when compared to the ASHRAE 90.1-2013 baseline standard.



Water Savings: Primarily through the use of low flow fixtures with automatic controls, potable water consumption is reduced by more than 39.3% over the 30% LEED baseline threshold.



Innovation: The designed solar photovoltaic (PV) arrays consists of 628W PV panels (949) on the roofs generating 13.2% of the buildings annual electrical load. In terms of reducing greenhouse gases (CO2 emissions) this is equivalent to 53.6 homes' electricity use for one whole year (EPA)!



Sustainable Sites: The designed plant palette is indigenous to the immediate area of the Navajo Nation to promote a healthy and diverse bio-habitat that also provides refuge and foraging for native birds and pollinators. This supports the success and vigor of flowering plants, making ecosystems stronger, more resilient, and enhancing the environment for human populations.



East Elevation—Main Entrance

LEED® Facts	
Dilkon Health Center Dilkon, AZ	
LEED v4 BD+C Healthcare Certification Awarded Month/Year	
Gold	64*
Innovation & Design	6 / 6
Location & Transportation	1 / 9
Sustainable Sites	8 / 9
Water Efficiency	7 / 11
Energy & Atmosphere	24 / 35
Materials & Resources	8 / 19
Indoor Environmental Quality	5 / 16
Regional Priority	4 / 4
* Out of a possible 110 points	



Main Entrance with Covered Car Drop Off

Design Project

"as designed"

1,446
(Metric Tons CO2e)
"green house gases"



78
(Site EUI kBtu/ft2)
"energy consumption at the site"



188
(Source EUI kBtu/ft2)
"energy consumption at power plant"



100 Score

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



Median Property**

"other properties"

3,176
(Metric Tons CO2e)
"green house gases"

177
(Site EUI kBtu/ft2)
"other properties energy consumption at their site"

413
(Source EUI kBtu/ft2)
"energy consumption at power plant"

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.

Healing Gardens

A healing garden is provided along the east and north portions of the building. The spaces promote social gathering experiences while others can be more intimate and contemplative within a protected safe environment. Native vegetation including shade trees enhance the space and helps provide a stress free environment in a natural setting.

