## 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.



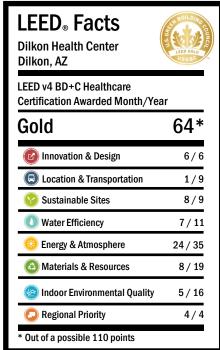
Innovation: The designed solar photovoltaic (PV) arrays consists of 628W PV panels (949) on the roofs generating 13.2% of the buildings annual electrical load. In terms of reducing greenhouse gases (CO2 emissions) this is equivalent to 53.6 homes' electricity use for one whole year (EPA)!



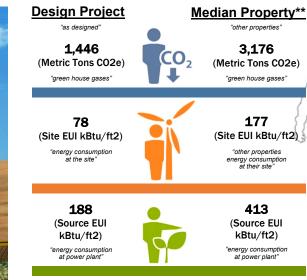


Sustainable Sites: The designed plant palette is indigenous to the immediate area of the Navajo Nation to promote a healthy and diverse bio-habitat that also provides refuge and foraging for native birds and pollinators. This supports the success and vigor of flowering plants, making ecosystems stronger,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









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

50 Score

Statement of Energy Design Intent

100 Score

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. CIP CONCRETE SITE WALI RIP RAP. FULL COVERAGE NO.4 CONT., SPACE AT 16" O.C. FULL LENGTH OF FEATURE WEIR 1.5" BELOW TOP OF FEATURE, NO.4 @ 18" O.C. AND PROVIDE GRATE AT TOP OF PIPE, SIZED TO ACCOMMODATE Water Harvesting Feature

Certified:40-49 pts., Silver:50-59 pts., Gold:60-79 pts., Platinum:80-110 pts April 2023 \* Pending LEED Certification Review