City of Tucson Water Eastside Satellite Center
Tucson, Arizona

SUSTAINABLE DESIGN ELEMENTS
Daylighting: offsets 10.57% energy usage
Siting: maximizes natural lighting, minimize solar heat gain
Rainwater Harvesting: via rooftop gutters to cisterns
Xeriscaping: eliminates need for potable water for irrigation
Heat-Island Reduction: solar reflective roofing

Energy Cost/Square Foot: $0.99
Building/Space Type: Office, Operations and Warehouse
Total Square Footage of Building: 20,041

KEY RESULTS
Energy Use Intensity (EUI) = 128 kBtu/sf/yr
Percent CO₂ Reduction = 29%
ENERGY STAR Design Rating = 76
Energy Savings = 1,049,172 kBtu
CO₂ Savings = 55 metric tons CO₂/yr

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South Entry View
* Rainwater Collection
* Shade Trellis
* Desert Oasis
* Recycled steel components

Interior View
* natural light to all offices, including sky lights
* views to outside
* exposed structure
* visible mechanical systems

North Window Wall
* Shade fins
* No west facing glass
* Water efficient landscaping
* Glass wall for diffuse north light

The estimated energy performance for this design meets US EPA criteria. The building will be eligible for ENERGY STAR after maintaining superior performance for one year.