

Lucile Packard Children's Hospital Stanford Expansion

Sustainability Highlights

Sustainable Design and Resource Management

The new Lucile Packard Children's Hospital Stanford is setting the standard for sustainability in hospital design, from water conservation and renewable energy use, to recycling programs and landscape concept. Each element of design has been carefully considered to ensure it aligns with the hospital's commitment to being the best possible steward of precious environmental resources.

SUSTAINABILITY BENCHMARKS



- Targeting LEED Gold Certification
- Expected water usage is 38 percent less than in a comparable hospital
- Water savings of 800,000 gallons per year from using recycled water sources
- Designed to save approximately 2.5 million gallons of water per year

SHADING AND LOCATION



- Incorporates an external shading system to minimize direct sunlight penetration on the hospital
- Data center positioned on the roof using outdoor air as a cooling system for much of the year
- Thermal energy consumption projected to be 60 percent less than average Northern California hospitals

EQUIPMENT SYSTEMS



- An electronic dashboard in the main lobby will display the building's ongoing water and energy usage
- Water-conserving dishwashers and sterilizers projected to use 80 percent less water than standard counterparts
- On-site water collection and storage
- Water-efficient bathroom fixtures
- Electric vehicle charging stations

LANDSCAPING



- Features native and adapted plants that require minimal water such as drought-tolerant varieties of yarrow, flax lily, mountain lilac, lavender and sage
- Expanses of greenery and permeable surfaces will absorb storm drainage, allowing rain water to enter into the region's groundwater systems rather than running off into the bay
- 3.5 acres of green space and gardens

