

Laguna Honda Hospital Replacement Program Sustainable Development Goals

The following list is based on the initial sustainability goals set out by members of the Laguna Honda project team at the December , 2000 meeting. These goals are a baseline for the green measures that will create an international flagship for sustainable hospital design.

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1. Building Rating System: The design will use the U.S. Green Building Council's LEED Green Building Rating System. The project will achieve a Silver Rating without any additional first cost.
2. Energy Performance: The project will reduce energy consumption to a level of at least 30% below Title 24 Energy Code. This will apply to the redesigned site lighting as well.
3. Materials, Recycled Content: The hospital shall achieve a 20% composition of recycled content of indoor and outdoor materials by total volume.
4. Energy Generation: The hospital improvements will attempt to self generate at least 5% of the total power consumption.
5. Water: The facility and site improvements will reduce water consumption by 50% from the standard baseline hospital consumption levels.
6. Waste: The facility will divert at least 90% of the construction and demolition debris from the landfill through extensive recycling programs and reuse of materials in the new hospital.
7. Indoor Air Quality (IAQ): The facility will be ____ below ____ IAQ requirements, and a performance threshold matrix set out by the IAQ Consultant will determine which materials are appropriate.
8. Daylighting and Controllability: The facility will provide appropriate levels of daylight for at least ____% of the floor area. Operable windows will be accessible by ____% of the occupied rooms. A personal thermal control will be provided for each ____ in the ____ areas/rooms.
9. Acoustics: To be determined.
10. Transportation: The facility will establish an overall transportation plan which will address items such as support for bicycling, alternative fuel vehicles, ride sharing, public transit access and load management.



11. “Cool Communities” (Reducing Heat Island Effect): The hospital and its site development will become a demonstration “cool community” in partnership with the California Energy Commission’s program. It shall install high-albedo or “green” roofs and parking surfaces, and institute shading devices and plant material as appropriate to reduce the “heat island” effect.
12. Operations and Maintenance: The hospital will institute a sustainable operations and maintenance plan based on the USGBC’s LEED Operations Rating System now being developed. The plan will pay particular attention to IAQ issues with the guidance of the IAQ Consultant. The operations and maintenance plan is intended for use throughout the City of San Francisco. Monitoring and verification of project performance will be tracked against the project goals and benchmarks.
13. Education and Demonstration: The facility will be a showcase for sustainable design through communication materials aimed at the general public. The facility will include sustainable building displays and communication materials demonstrating the specific green features incorporated into the project. Additional materials will be available from a project website.
14. Waste Management: At least 95% of the operational hospital waste will be recycled or processed on site in a sustainable manner. This “closed loop” system will be a model for hospital waste handling worldwide. The hospital will also strive to process waste from other hospitals in the Bay Area.
15. Product Procurement: To be determined.
16. Certified Wood: The facility will use a minimum of ___% of certified wood for the total volume of wood containing products.
17. Land Use: The facility will create an Open Space Plan that will include specific guidelines for urban forestry habitat and the renaturalization of Clarendon Valley. The plan will be developed with the guidance of the Urban Forestry Council.