



THE HEALTH CARE IMPROVEMENT FOUNDATION  
*Building Partnerships For Better Health Care*

## THE CHILDREN'S HOSPITAL OF PHILADELPHIA

### **Green Construction Renovation**

The Children's Hospital of Philadelphia (CHOP) is committed to sustainability in all facets of its operations, especially in construction and design. During the current renovation of the Environmental Services Project, the project manager focused on an approach to sustainable construction renovation projects. Incorporating cost-effective sustainable elements through both design and construction, the process has resulted in a project that sets the standard for renovation projects at CHOP.

Working closely with the architect and construction managers, the following goals were established:

1. Recycle or salvage 75% of construction/demolition debris.
2. Instead of providing new lighting, salvage/refurbish/reuse fixtures in the space to be occupied.
3. Provide 100% of wood-based materials and products which are certified in accordance with the Forest Stewardship Council's principles and criteria for wood building products.
4. Use low emitting adhesives, sealants, and sealant primers.
5. Use low emitting paint and coatings that comply with the following standards:
  - Topcoat paints: Green Seal Standards GS-11, Paints, First edition 5-20-93;
  - Anti-corrosive and rust paints, Green Seal Standards GS-03, anti-corrosive paints second edition 1-7-97;
  - All other Architectural coatings, primers and undercoating shall comply with South Coast Air Quality Management District (SCAQMD) rule #1113, Architectural coatings, rules in effect 1-1-04.
6. Use low emitting laminate adhesives and composite wood that includes no added urea-formaldehyde resins.
7. Install owner-provided flooring and door assemblies.
8. Provide 20% of materials (calculated by value) from manufacturing sources within 500 miles.

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9. Pressure test and reuse reheat coils in their existing locations.
10. Reuse card reader assemblies -- card reader, frame, and rex from existing suites to be reconfigured.

Furthermore, through a careful review of the existing furniture configuration, CHOP was able to reallocate much of the existing furniture into the new layout.