

# New Hospital at Rush University Medical Center Chicago's First Full-Service Green Hospital

Rush's new hospital is being designed to conserve energy and water, reduce waste and use sustainable building materials. Rush is seeking Leadership in Energy and Environmental Design (LEED) certification for its new hospital. LEED recognizes organizations that design and construct environmentally responsible and efficient buildings.

Here are some of the "green" features of the new hospital:

## **Engineering:**

- 95 percent recycled steel
- 40 percent fly ash concrete
- Use of recycled building products everywhere from structural concrete to interior finishes and furniture
- Local production (within 500 miles of Chicago)
- Central power plant to utilize low CFC chillers and boilers for more efficiency
- American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) energy

## **Water Conservation:**

- Multiple green roofs for slow release of rainwater into city storm sewers
- Use of air conditioner condensation to water gardens
  - Water savings from condensate recycling is 1.3 gallons per year – filling roughly two Olympic-sized swimming pools
- Collect rainwater in special planters for watering trees
- Use of micro fiber mops (very absorbent lint free synthetic fiber) will save 500,000 gallons of water per year.

## **Energy Conservation:**

- Use of passive solar light to brighten waiting rooms
- Use of energy efficient systems for heating and cooling
- Use of energy efficient lighting fixtures and bulbs
- Testing energy efficient plumbing fixtures in public areas and well as patient rooms
- Preferred parking for those who drive energy-efficient vehicles and for those who car pool, and additional bicycle racks

## **Environmentally Friendly:**

- Green housekeeping – the use of environmentally preferable products, along with ongoing evaluation of cleaning practices and equipment
- Comprehensive campus recycling program
- Indigenous landscaping
- Operating room quality air throughout entire new building

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