

The 113 Calhoun Street Foundation's "113 Calhoun Street: A Center for Sustainable Living" is a public-private-academic partnership to conduct educational programs to help minimize threats from natural disasters and to enhance natural resources conservation.

The Center develops low-cost tools and techniques, educational activities, and technical assistance programs in three areas:

- (1) Natural Hazards Mitigation
- (2) Sustainable Building Practices
- (3) Sustainable Living

For further information visit our Web site at www.113calhoun.org.

Hazard Mitigation

The Center demonstrates building methods and materials that can be used to strengthen homes against the three principal natural hazards along our coast—wind, flood, and earthquake.

The Center is the focal point of a coordinated program of hazards-related education, demonstration, and research. It serves as the primary channel for disseminating research results on hazard-resistant construction and retrofit. Among the items demon-

strated at the Center are a broad range of storm panels and shutters; hurricane clips, straps and other structural connectors; methods for keeping shingles and roof decking secure in high winds; and flood proofing techniques. A S.C. Sea Grant Extension Program coastal hazards specialist, located at the Center, is developing and implementing hazard education programs for design professionals, the building industry, local building officials, homeowners, and other audiences.

In 1999, the 113 Calhoun St. Foundation received the John R. Shaeffer Award for "Excellence in Flood Proofing" from the Association of State Flood Plain Managers.

Sustainable Building

Making houses more resistant to wind, flood, and earthquake damage helps to reduce landfill costs and saves natural resources required for repair and rebuilding. Hurricane Hugo, for example, caused damage to thousands of homes, generating a tremendous amount of debris, much of which went into Charleston-area landfills. This debris added the equivalent of 10 years of normal waste to the area's landfill in just one year, representing a significant public cost.

Sustainable building practices intended to help conserve natural resources were employed in the Center's renovation. Original undamaged building materials were re-used in the renovation whenever possible. In instances where the original wood was only slightly damaged, a variety of methods were employed to save it. In some cases, epoxy resin was injected into damaged wood to restore its strength. In other cases, deteriorated wood was strengthened by adding new wood along side it, a practice called sistering. New wood was used only in the most extreme instances of damage.

Sustainable Living

The Center also demonstrates how people can live more sustainably by conserving water and energy, managing household waste, using water-efficient landscaping, applying integrated pest management, and employing other environmentally friendly strategies. The Clemson Extension Service (CES) has numerous existing programs related to sustainable living practices, including its Master Waste Educators and Master Gardener programs. These and other programs are delivered by extension agents and a full-time program coordinator located at the Center.



113 Calhoun Street: A Center for Sustainable Living

Sustainability

"...to meet the needs of the present without sacrificing the ability of future generations to meet theirs..."

UNITED NATIONS, 1997



113 Calhoun St.
A Center for Sustainable Living

PARTNERS

S.C. Sea Grant Consortium
Clemson University Extension Service
City of Charleston, SC
Charleston County
Federal Emergency Management Agency
S.C. Emergency Preparedness Division

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Web: www.113calhoun.org

Hours of Operation: 8:30-4:30, M-F

Walk-ins welcome for tours: 9:30-12:00, M-F



113 Calhoun St.
A Center for Sustainable Living

CLEMSON EXTENSION



Sea Grant
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