

US EPA ARCHIVE DOCUMENT



Sustainable Building Materials and Practices during Gulf Coast Reconstruction

NCER CNS Mtg.- Wash D.C.
April 22, 2008



Sustainable Future

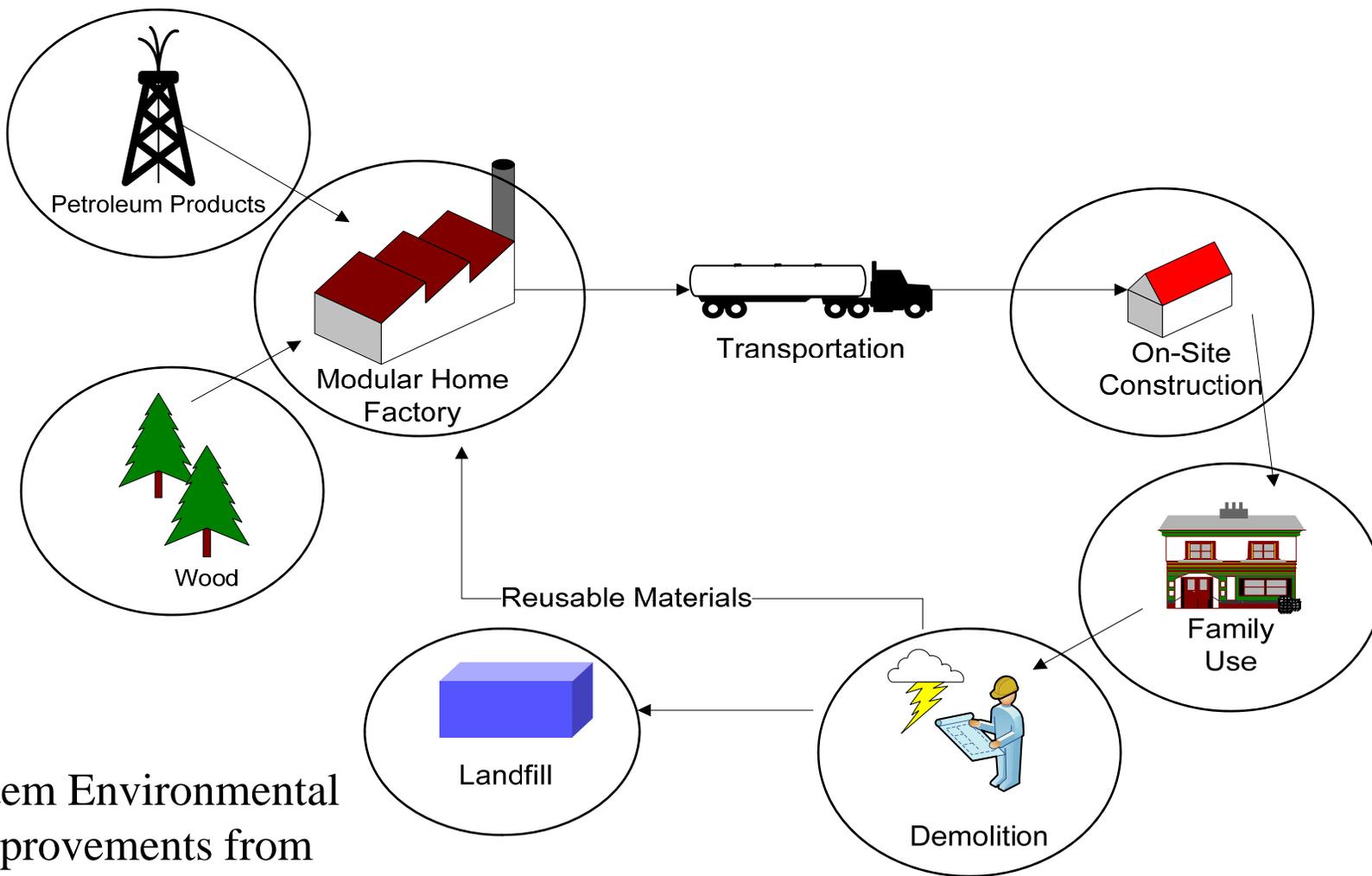
- Applies life-cycle thinking and a precautionary approach to the immediate housing needs of the Gulf Coast.
- Provide life-cycle materials data/resources to promote the construction of future sustainable housing in the residential sector.
- Improve the health, safety, and livelihood of Gulfport residents through access to environmentally improved, affordable housing.

Project Partners/Roles

- Center for Clean Products- UT
 - Evaluate materials use and identify environmentally preferable bldg materials
 - Conduct life-cycle analysis of benefits of green material use
- Healthy Building Network
 - Design and construction of demonstration home
 - Community development and organization
- Unity Homes / Clayton Homes
 - Unity Homes builder of demonstration green homes
 - Clayton providing data on materials use in mod homes



Building Materials Life Cycle



System Environmental
Improvements from
Planned Research

Lesson Learned To-Date

- Establishing criteria for evaluating building materials a complex and complicated task
 - Consensus lacking on key issues
 - Lack of data in marketplace
 - Assemblies complicate analysis
- Material use distributed across the supply chain
- Limited availability of preferable materials at affordable cost
- Trend in market toward upscale homes and permanent communities



Goals for the Meeting

- How our project dovetails with other EPA efforts in the green building arena
- Possible connections with FEMA efforts in the gulf coast region.
- Identify upcoming opportunities to partner or participate with on-going efforts or forums
- Identify experts or resources in key areas of compatible research

