The Eco Cottage
Sustainable Disaster Housing

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Alternative Housing Pilot Program

• FEMA funded experiment
• Executed by States
• Louisiana, Mississippi, Alabama, Texas
• Potential transition from interim to permanent
• MEMA program
  Mississippi Cottage
  Eco Cottage
ECO Cottage Program Overview

The ECO Cottage Program is funded through a grant (Grant Agreement EMW-2007-GR-0935) from the Federal Emergency Management Agency (FEMA) to the Mississippi Emergency Management Agency (MEMA). MEMA created the ECO Cottage Program to support the housing of Katrina disaster victims with an innovative, eco-friendly alternative to traditional disaster housing.
The current ECO Cottages are designed for
1. LEED level silver certified and
2. Enhanced air quality
3. Energy efficiency,
4. Sustainability
5. Sensitivity to the environment
6. Moisture, mold and rot resistance.

The existing architectural design is for a two-bedroom unit of 892 square feet.
### Comparative Summary FEMA Emergency Housing Specifications

*Highlighted specifications are FMHCS requirements.*

<table>
<thead>
<tr>
<th>Feature</th>
<th>FEMA 2-Bedroom Park Model 2009</th>
<th>Rugged M/H Northern Unit 2009</th>
<th>Rugged M/H Southern Unit 2009</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction Zone Requirements</strong></td>
<td></td>
<td></td>
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<tr>
<td>Code Requirement</td>
<td>Standard for Park Trailers (ANSI A119.3)</td>
<td>FMHCS</td>
<td>FMHCS</td>
<td></td>
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<tr>
<td>Roof Load</td>
<td>Mobile to HUD MH</td>
<td>Mobile</td>
<td>South</td>
<td>There is no mechanism or approval process to determine whether manufactured home requirements (designs) are being met for park models.</td>
</tr>
<tr>
<td>Thermal</td>
<td>Zone 3 to HUD MH</td>
<td>Zone 3</td>
<td>Zone 2</td>
<td>There is no mechanism or approval process to determine whether manufactured home requirements (designs) are being met for park models.</td>
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<tr>
<td>Wind</td>
<td>Zone III to HUD MH</td>
<td>Zone II</td>
<td>Zone III</td>
<td>There is no mechanism or approval process to determine whether manufactured home requirements (designs) are being met for park models.</td>
</tr>
<tr>
<td>States</td>
<td>CONUS</td>
<td>AR, AK, CA, CO, CT, DE, DC, ID, IL, IN, IA, KS, KY, MD, MA, MI, MN, MO, MT, NE, NV, NH, ND, OH, OK, OR, PA, RI, SD, TN, UT, VT, WA, WV, WY</td>
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</tr>
<tr>
<td>Quality of Construction</td>
<td>No ion, MDF, Vinyl / Paper gypsum (Except American Commercial grade quality drywall), No product containing formaldehyde to be used</td>
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### Housing Assessment Tool

- For data collection on existing offers
- Notation of relevant standards
- 182 categories of data collection
  - Climate & Hazards
  - Ventilation & Air Quality
  - Special Needs (UFAS)
Market Influence

- Stockpile of 4,000 units
- Key Role of Travel Trailers
- Uncertain Demand