



## Gulf Coast Weatherization Scenario

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### → Property Characteristics

- Two bedroom, single family circa 1950
- Wood frame with asphalt roof
- Single story with slab on grade
- Original, single pane, double hung window sashes

### → Weatherization Audit Findings

- 4 people live in house, two adults (mother & elderly grandmother) & two children (1 under six years old)
- Overall building conditions are fair
- Insufficient insulation in the attic –  $\frac{3}{4}$ " fiberglass
- Walls limited or no insulation
- Gas, forced hot air heating/cooling system, furnace filter dirty
- Duct work in attic not properly sealed
- High CO levels from old gas hot water heater
- Mold on bathroom ceiling & walls, bath fan not working
- Electric dryer with damaged vent
- Unvented space heater
- Damaged paint on old windows
- Leaking gas hot water heater in closet
- Weeds growing out of gutters & some downspouts missing

### → Healthy Concerns

- One adult & one child have asthma, suspected dust allergy
- Grandmother is unsteady, walks with cane
- No working smoke or CO monitors
- Problem with cockroaches in kitchen and bedroom
- Possible Lead Based Paint on windows
- Gas range with no vent
- Carpeting is soiled in many spots
- Mold on bathroom ceiling & walls, bath fan not working
- No grab bars in bathroom – fall hazard

## → Remediation Response

### **Weatherization Actions**

1. Insulate attic & walls
2. Seal duct work with mastic
3. Air sealing and weather strip
4. Install smoke and CO alarms
5. Replace gas hot water heater with efficient heater
6. Provide and install CFL bulbs

### **Potential Health Responses**

1. Clean mold in bathroom & replace sheetrock if necessary
2. Install timed, bathroom fan, confirm venting to exterior
3. Replace dryer vent
4. Change furnace filter supply MERV 8 if system can accept it
5. Seal holes for roaches, and provide owner with Integrated Pest Management (IPM) advice or IPM services
6. Install range hood fan vented to the exterior
7. Replacement hot water heater is direct vent or power vented
8. Remove old carpet, smooth cleanable flooring in one room - may be outside scope of some programs
9. Make referral to lead poisoning prevention program
10. Conduct asthma education visit. Supply mattress covers, HEPA vac & other materials as needed