The Green and Healthy Homes Initiative

A Public-Private Partnership Initiative to Spur Innovation to Produce Healthier, Safer, Energy Efficient Homes

June 5, 2012 – Delaware Healthy Homes Summit
The Green and Healthy Homes Initiative is a social innovation designed to improve government efficiency and capitalize on investments in energy efficiency to deliver green, healthy, and safe homes in low and middle income communities.

**Initial Sites**
- Atlanta – Baltimore – Buffalo – Chicago
- Cleveland – Denver – Detroit – Flint
- New Haven – Oakland – Philadelphia
- Providence – San Antonio
- Spirit Lake Tribe – Cowlitz Indian Tribe

**Health Savings** - $354 million

**Wealth Creation** - $52 million

**Philanthropic Support**

**Government Support**
- Federal Healthy Homes Work Group (HUD, CDC, DOE, EPA, DOL, USDA)
- Presidential Task Force on Children’s Environmental Health and Safety – State and Local Governments

**Partner Support**
- Green Job Training Programs

**Training / Tools**
- Collaboration

**Interventions**
- Safer
- Healthier
- Energy Efficient Homes
- 1400 direct green jobs
- 3500 homes

**GHHI**
The Burden of Unhealthy and Energy Inefficient Homes

- American taxpayers lose hundreds of millions every year in medical bills, skyrocketing energy costs and lost wages due to inefficient and unhealthy housing conditions.

- Nearly 6 million households live with moderate to severe physical housing problems which place them at-risk for illnesses and injuries including asthma, slip and falls, and respiratory illnesses.

- Low income households spend 14% of income on energy compared with only 3.5% for other households.

- Total annual costs for certain childhood environmental diseases are estimated to be $54.9 billion.

This sum amounts to 2.8 percent of total U.S. health care costs.
The Green and Healthy Homes Vision

- GHHI is designed as a comprehensive approach to offer integrated health, safety, lead hazard reduction, energy efficiency, and weatherization interventions in low to moderate income homes.

- Maximizes public and philanthropic investments for 5 major benefits:
  - Government innovation in service delivery
  - Development of sustainable community-based “green collar” jobs and social enterprise
  - Creation of stable and sustainable green and healthy homes in low-income neighborhoods
  - Measurable improvements in health outcomes for children and families
  - Wealth Retention and Foreclosure Prevention
GHHI Pilot

- 15 communities - 13 cities, and 2 Native American Tribes
- GHHI federal partners are led by HUD
- Additional partners include the Interagency Work Group on Healthy Homes, national and local foundations and affinity groups, Health Care providers, Utility Foundations, and the White House Office of Recovery Implementation
- National Coalition to End Childhood Lead Poisoning designed GHHI and leads the national Technical Assistance, Best practice Development and Coordination.
Current Green and Healthy Homes Initiative Sites

- Cowlitz Indian Tribe
- Spirit Lake Nation Tribe
- Oakland
- Denver
- Buffalo
- Providence
- New Haven
- Philadelphia
- Atlanta
- San Antonio
- Chicago
- Detroit
- Cleveland
- Flint
- Baltimore

www.GHHI.org
Recent and Current Activities

- Evaluation Framework with Harvard School of Public Health
- Selection of Efforts to Outcome (ETO) system for data platform
- Identified Barriers and Opportunities to Make Housing Green and Healthy Through Weatherization Report
- Technical Assistance and Capacity Building for 15 sites
- Unit Production underway in multiple sites
- Hiring of GHHI coordinators - 4 sites identified
- National Dialogue with National Academy of Public Administration
- Workforce Development & Guidelines to Home Energy Upgrades
- Site Compacts
GHHI Site Compact

- Set of core standards, principles, and practices
- Vehicle of public commitment and accountability
- Signed by local government (Mayor, Tribal Chairperson, County Executive) and executive leadership of key stakeholders
- Sites commit to:
  ✓ Comprehensive assessment and intervention process
  ✓ Coordination among related agencies
  ✓ Implementing green job training and hiring practices
  ✓ Sharing data, identifying barrier and recommendations
  ✓ Establishing a Learning Network
The ABC’s of GHHI

The Strategy

Align  Blend  Coordinate
GHHI Pilot Projected Outcomes

During the initial 2 years, GHHI will produce:
- Over 3,500 Comprehensive Assessments
- Over 3,500 Green and Healthy Homes Interventions
- Between 250-500 units per site
- Over 1,400 high quality green jobs nationally through GHHI trainings and certifications (Metric determination underway)

Housing improvements in 3,500 homes is expected to produce:
- Energy savings of $350 for a total of $1,225,000 per year;
- Health care savings from asthma of $247,300,000 per year;
- Health care savings from lead of $68,400,000 per year;
- Health care savings from injury prevention of $2,865,625 per year;
- Total savings of $319,790,625 per year
GHHI Results to Date

- Unit production is underway in several sites, other sites have begun pulling together resources and infrastructure
- Organizations such as the U.S. Conference of Mayors and Living Cities and corporate and philanthropic foundations have committed over $20 million to support local GHHI efforts

- Health and Safety Benefits (reduced ER visits and hospitalizations)
- Energy Consumption reductions (~$360/year)
- Efficiency and cost savings (20-25%)
- Increased Access to Resources for families (one stop shop)
- 500 persons trained Green and Healthy assessments and interventions (Wage increases from $9 to $15-$22 per hour)
Current and Future Needs

- National Office Infrastructure – Technical Assistance, Advocacy, Policy and Program staffing

- Site-based GHHI Coordinators

- Support for national and local data platform build out/Handheld Assessment Tools

- Multidisciplinary Evaluation - Harvard School of Public Health, Business School, and Kennedy School of Government

- National Policy, Education and Advocacy Work
Smith Family – 5004 Alhambra Avenue (Homeowner)

- Family of five with a son, age 6, who has severe asthma
- History of repeated asthma episodes resulting in hospitalizations on average of three times per year since birth (Average stay 1 week each time)

Triggers: Asthma triggers (rodents, dust mites, excessive moisture, VOCs, poor weatherization, poor indoor air quality)

GHHI Intervention Cost: $8,826
Non-GHHI Process: $10,615 (Net projected savings of $1,879)

Programs Engaged: HUD OHHLHC, MEA, CDBG, CSBG, Foundations

Results: • Son has not been hospitalized due to asthma triggers in the home since the intervention in 2009, resulting in savings of avoided medical costs of $48,300 in first year alone
  • Allergens and lead hazards remediated
  • Home weatherized
O’Bannon Family – 3917 W. Garrison Avenue (Homeowner)

- History of asthma episodes resulting in 13 hospitalizations for youngest of two children with asthma in the home
- Prior lead poisoned children in the home

Triggers: Allergens (mice, pests, mold, dust mites); lead hazards

GHHI Intervention Cost: $15,444
Non- GHHI Process: $21,310 (Net projected savings of $5,866)

Programs Engaged: HUD OHHLHC, MEA, CDBG, CSBG, Foundations

Results: • Allergens and lead hazards remediated
  • Daughter has not been hospitalized since the intervention resulting in avoided medical costs of $53,000
  • Home is weatherized
Future HUD Support

HUD/OHHLHC intends to continue support for those cities/counties/states that are providing comprehensively assessing units, and coordinating interventions. We are planning to certify communities as Safe and Healthy Home Investment Partnership (SHHIP) communities.
The SHHIP is a certification System.

- It certifies that a community is using the best practices to deliver services to its citizens.
The SHHIP is a certification System.

- Interventions are based on a household’s interaction with their home.

What is the SHHIP?
The SHHIP is a certification System.

- Interventions are funded by braiding together of federal funds at the local level.
Certification provides two benefits:

1. Potential NOFA points
2. Federal recognition

What is the SHHIP?
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