

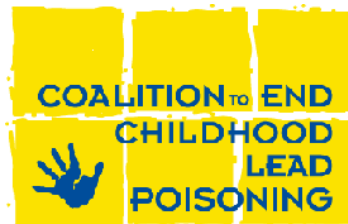


Green & Healthy Homes Initiative

The Green and Healthy Homes Initiative

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

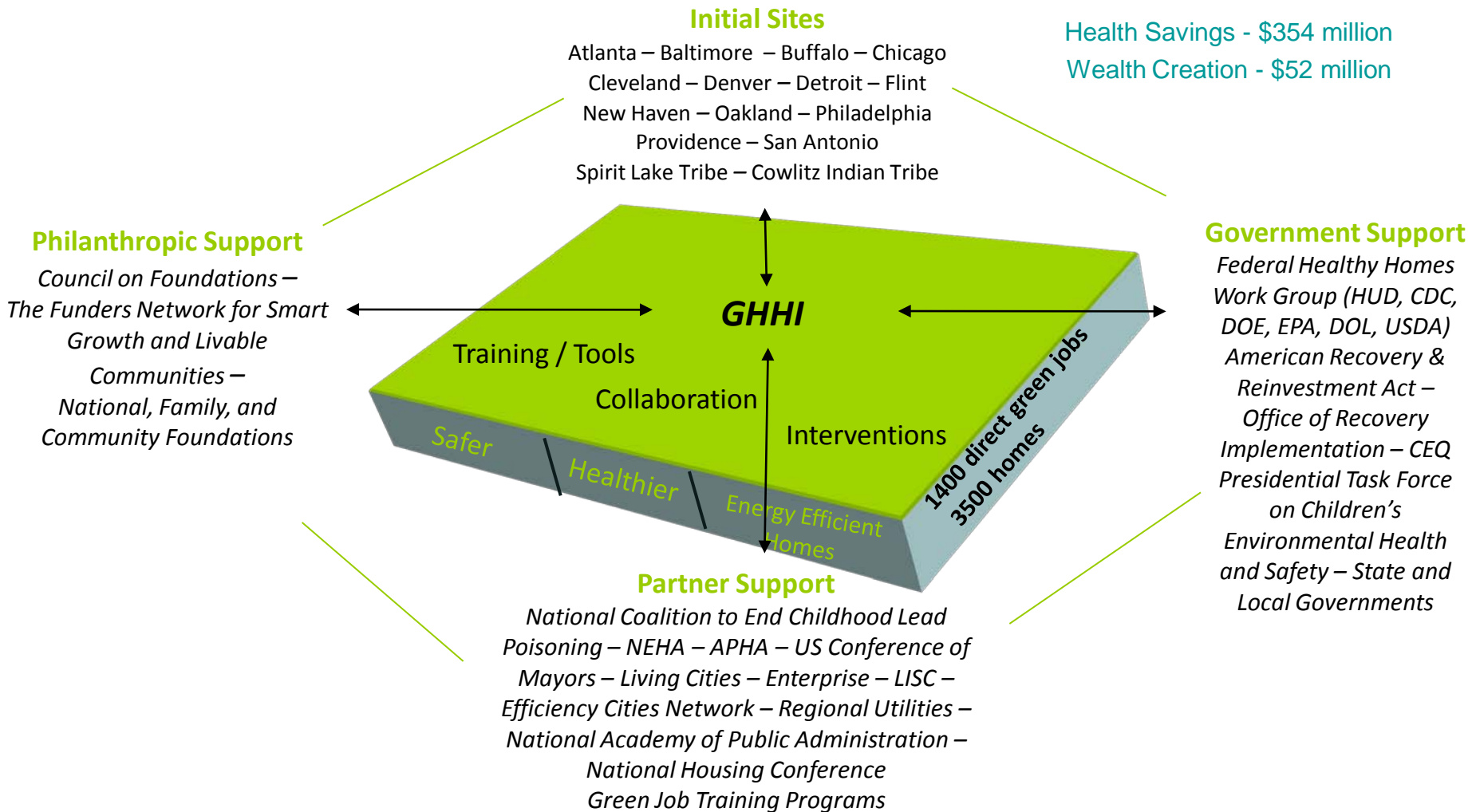
June 5, 2012 – Delaware Healthy Homes Summit





Green & Healthy Homes Initiative

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.





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



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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



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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





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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



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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



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The Strategy

Align

Blend

Coordinate

The ABC's of GHHI



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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



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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)



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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



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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



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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)

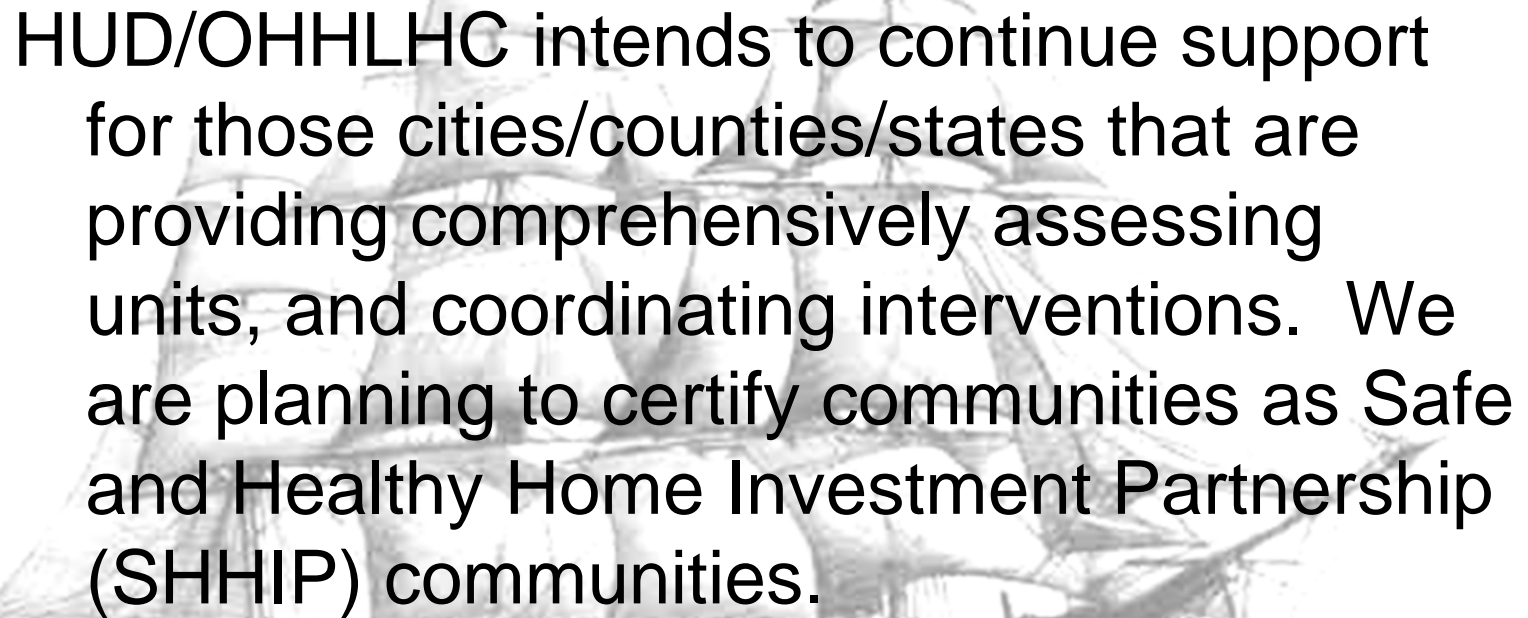
Programs Engaged: HUD OHHLHC, MEA, CDBG, CSBG, Foundations

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.



What is the SHHIP?

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.



What is the SHHIP?



What is the SHHIP?

Certification provides two benefits:

1. Potential NOFA points
2. Federal recognition



Green & Healthy Homes Initiative

Martin Nee, Division Director

Regional Management and Technical Support

HUD Office of Healthy Homes

202-402-6087

martin.j.nee@hud.gov



Green & Healthy Homes Initiative

Ruth Ann Norton

Executive Director

Green and Healthy Homes Initiative

2714 Hudson Street

Baltimore, MD 21224

410-534-6447

ranorton@leadsafe.org

Website: www.GHHI.org