



The Green & Healthy Homes Initiative

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

Weatherization Plus Health
Columbus, Ohio
October 5, 2011





The Green & 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



By the Numbers

- \$174.3 Million in WAP
- \$120 Million in Lead Hazard Control and Healthy Homes

This alone is a good start but we need to involve new resources:

- USDA, CDFI, DOL, CNS, Social Innovation Fund
- Multiple agency pipelines for alignment for housing intervention
- \$25 Billion in philanthropic investment
- \$972 Billion in federal funding to promote grade level reading and educational advancement



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The Strategy

Align

Braid

Coordinate

The ABC's of GHHI





GHHI Pilot Projected Outcomes

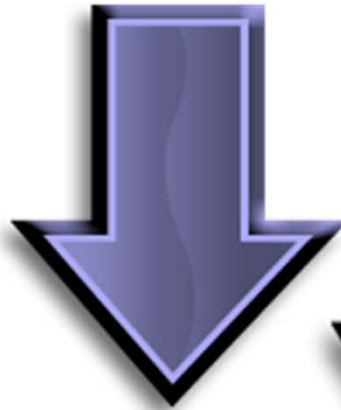
During the initial 2 years, GHHI will produce:

- Over **3,500** Comprehensive Assessments
- More than **3,500** Green and Healthy Homes Units
- Over **1,400** high quality green jobs nationally through GHHI trainings and certifications (metric determination underway)
- Shared Data Platform
- Barrier Removals and Best Practices
- Standard for a Green and Healthy Home
- Compacts around standards, practices, and principles
- Comprehensive assessment tool
- Expansion to 60 cities



**\$35M
investment**

**...results in annual reductions in health
care expenses**



**Injury
\$2.9M**



**Lead
\$68.4M**



**Asthma
\$247.3M**

**\$318.8M Total
Health Care
Savings**



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GHHI Results to Date

- Unit production is underway (**955 units to date, 3356 in pipeline**) in most sites, other sites have begun pulling together resources and infrastructure
 - 30 Organizations such as the U.S. Conference of Mayors and Living Cities and corporate and philanthropic foundations have committed over **\$24 million** to support local GHHI efforts
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- ✓ 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)
 - ✓ US Conference of Mayors Resolution on GHHI
 - ✓ Awarded over \$1.5 million in grants for unit production and workforce



Green & Healthy Homes Initiative

**Current
State**

3,500
homes

Adoption of GHHI National Standards

Compacts National and Local

Philanthropic/Private Sector Support

Workforce Training and Certification

Marketing, Branding and Movement

Medicaid/Health Care Reimbursement

New Finance Tools and Standards

**Future
State**

500,000
Homes
-
National
Standard

HUD SHHIP & GHHI

	SHHIP	GHHI Compact
Partnership and collaboration	Include at least one unit of state or local government, and one private, non-profit partner (i.e., local foundation)	Implementing the goals & principles will require partnership of many parties, including Mayor's Office, County Executive, city, county dept., state, federal agencies, non-profits, foundations, etc.
Sectors	Must include each of the following service disciplines: housing rehabilitation, energy efficiency, and healthy home/lead hazard control	Comprehensive approach to offer integrated health, safety, lead hazard reduction, energy efficiency, and weatherization interventions
Mission / Goals	Must have a primary mission that encompasses: <ul style="list-style-type: none"> -Improving housing in a manner that is environmentally sustainable, healthy and safe -Increasing the local workforce of healthy building professionals -Improving the health outcomes of the community, particularly children and the elderly -Improving the way in which services are delivered to the residents of the community 	GHHI maximizes investments for 5 major benefits: <ul style="list-style-type: none"> -Creation of stable, sustainable, green, healthy homes -Development of sustainable community-based "green collar" jobs and social enterprise -Measurable improvements in health outcomes for children, seniors, and families -Government innovation in service delivery -Wealth retention and improved property values
Methodology / Implementation	<ul style="list-style-type: none"> -Provide single point of contact for services -Utilize HUD Healthy Homes Rating Tool (HHRT) -Support common multi-disciplinary workforce training -Report data in a standardized manner into common system -Provide service delivery in unified manner -Identify & eliminate barriers to effective service delivery 	Partners agree to: <ul style="list-style-type: none"> -Work to replace stand-alone programs -Support use of comprehensive assessment tools -Support cross-training of Healthy Homes Related Inspectors and Contractors -Align programs, braid funds, & coordinate agencies -Support coordination of housing intervention efforts & work to remove barriers -Support efforts to share data & information, & develop common metrics

Veal Family – 612 N. Curley St. Baltimore, MD

- Owner occupied 1915 row house
- 12-year-old and 16-year-old boys, both with asthma
- Both children hospitalized previously for asthma episodes
- Home assessment revealed moisture in basement, unvented dryer, soiled & worn carpet throughout house, mouse infestation, use of VOC's, poor weatherization, lack of functioning furnace and lead hazards
- Using kitchen stove for heat





Veal Family – Homeowner

Triggers Identified through Comprehensive Assessment: Allergens (mold, mice, VOCs, poor IAQ and weatherization); lead hazards

GHHI Intervention Cost: \$18,780

Non- GHHI Process: \$21,738 (Net projected savings of \$2,958)

Programs Engaged: HUD OHHLHC, WAP, Constellation Energy, CDBG, Foundation

Results:

- New furnace installed through Constellation Energy funds
- Allergens and lead hazards remediated including Energy Star window installation and carpet removal (major allergen source)
- Brock and Antonio have not been hospitalized and are no longer regularly missing school due to asthma episodes
- IAQ improved through weatherization and discontinued use of stove as source of heat for the home



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