

BayREN Forum: Connecting Health & Energy June 11, 2019



## The Burden of Unhealthy and Energy Inefficient Homes

30M families live in unhealthy homes

14.4M missed days of school each year

Asthma is the top reason students miss school

Collateral burden of sick children is missed days of work each year

Collateral burden of parents and caretakers

Low income families spend 20% of monthly income on energy costs

VS.

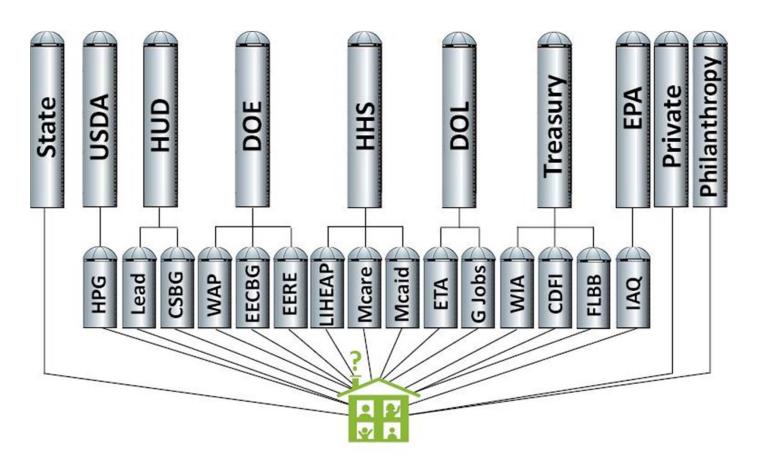
3.5% in other households

\$51B+ spent on asthma

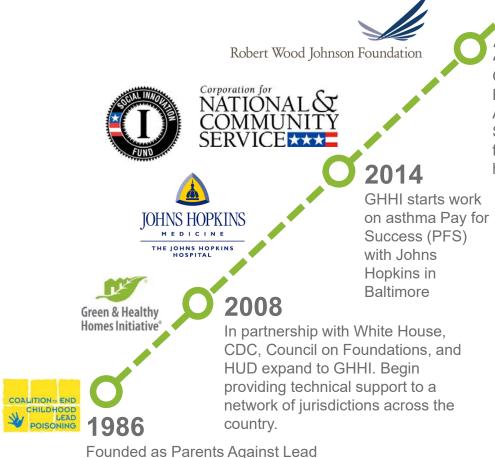
\$31B+ spent on slip & fall injuries \$43B+ spent on lead poisoning

Over \$100B in taxpayer funding is spent each year to address the impact of these hazards

## **A Fractured Delivery System**



## **GHHI Background**

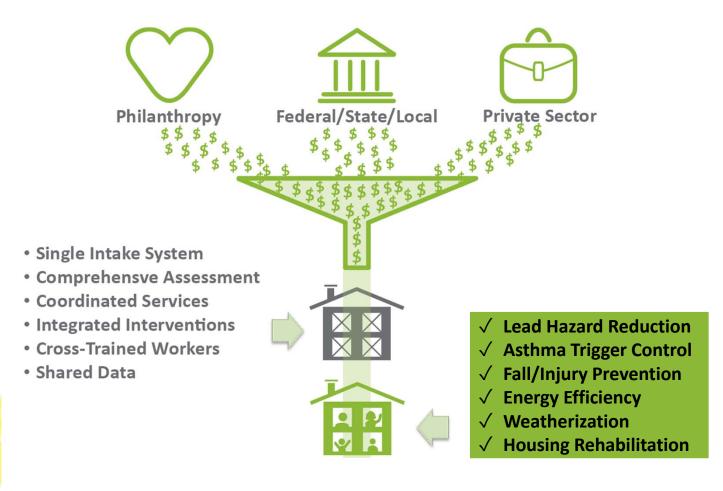


GHHI receives EPA National Environmental Leadership Award in Asthma Management. SIF and RWJF grants expand to PFS feasibility to 11 projects nationally with health systems, MCOs, and hospitals.

#### **Accomplishments**

- 98% reduction of lead poisoning in Maryland
- 27 pieces of legislation passed
- 25 GHHI-designated sites across the country
- Over \$250 million raised
- 11 Pay for Success projects across 10 states

## The GHHI Model: No Wrong Door



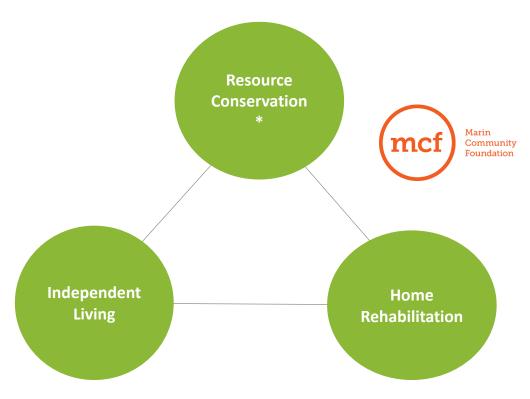


#### **GHHI Marin:**

### a collaborative approach

## Guided by Theory of Change

- Seamless access to information, incentives, and services
- More residents to utilize related programs and services
- Reduce energy/water consumption, waste generation, and greenhouse gas emissions
- Enable more residents to experience improved health and safety within their home



## Serving:

- Low income residents (up to 80% AMI, HUD)
- Single family, multi family, mobile homes and floating homes
- Owners and renters

## **Funding:**

- Leveraging partner programs and resources
- MCF grant funding
  - \$5,000 per single family unit
  - \$2,250 per multifamily unit















**CommunityAction**Marin





### **Current model:**

#### **MULTIFAMILY**

#### **SINGLE FAMILY**





- Comprehensive GHHI assessment
- Comprehensive SOW
- Pipeline project management
- Partner referrals

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#### **Lessons learned:**

- Partner buy in and support
- Project management is key for appropriate timelines and service coordination
- Data sharing requires systems build out and can be slow moving
- Coordinated vs. comprehensive approach: program resources and capacity are unknown
- Residents trust in programs and willingness to share information
- Flexible funding is a must!
- Education and training is needed for all parties

## **Sir Francis Drake Boulevard:**









#### **Resource Conservation/Energy Efficiency (Green)**

- Replace windows
- Install crawlspace and roof insulation
- Install tankless water heater
- Direct install measures: LED lighting, faucet and shower aerators

## Accessibility, Health, and Safety (Healthy)

- Pest remediation
- Security lighting
- Bathroom ventilation
- Tree work
- Deck repair
- Fencing and gate repair
- Carport repair
- Bathroom ADA
- Handrails ADA

**Increased comfort** 

Removed trip and fall hazards

**Increased accessibility** 

Lowered utility bills (projected)

Saving 2,271 Therms per year (projected)

**Increased indoor air quality** 

## **Marin Villa:**





Canal, Marin County



12 low income units



Home rehab, energy efficiency and safety and work needed

#### **Program Resources**

- \$600 Multifamily Energy Savings Program
- \$14,400 Low Income Families and Tenants (LIFT) Program
- \$13,228 Low Income Solar
- \$27,000 GHHI Marin



Green & Healthy Homes Initiative | Marin County

#### **Green and Healthy Measures**

- Electrical panel upgrades
- Structural upgrades (dry rot)
- CO monitors
- T24 compliant windows



- Low flow faucets
- 32.26 kW solar system (49,598 kWh annual production)

**Increased comfort** 

Removed fire hazard

**Increased structural safety** 

**Lowered utility bills** 

Saving 3,386.5 kWh per year (projected)

**Increased indoor air quality** 

## **Haverhill Court:**





#### **Program Resources**

- Marin County LIHEAP (CCES)
- Bob Roberts Client Assistance Program (MCIL)
- GHHI Marin
- Wood Smoke Program (County of Marin CDA)\*

#### **Green and Healthy Measures**

- ADA accessible bathroom\*
- Removal and replacement of wood burning fireplace\*
- Weatherstripping
- LED light bulbs
- Low flow faucets
- Smoke alarm

**Increased comfort** 

Improved accessibility

Lowered utility bills (projected)

Increased indoor air quality



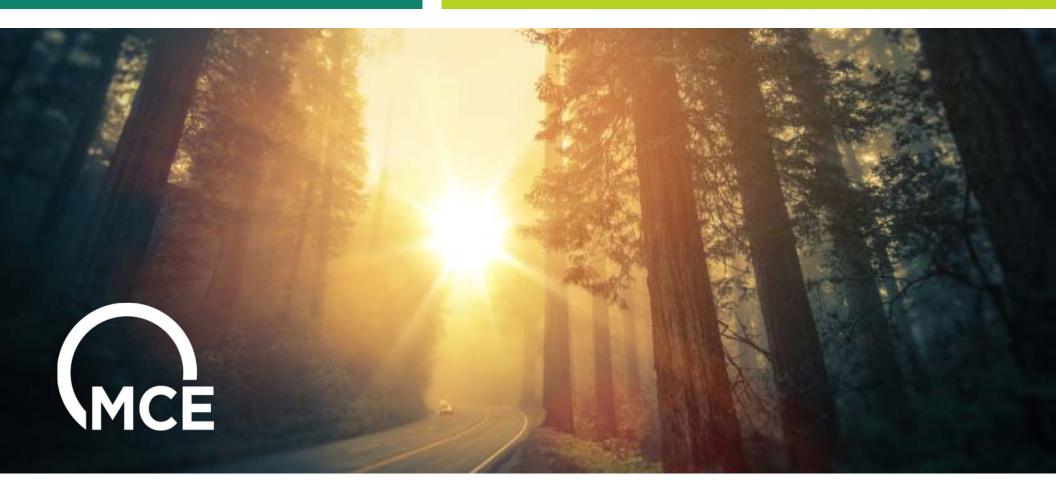






# Thank You

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#### Focus areas:

