

The HUD logo is a green acronym for the U.S. Department of Housing and Urban Development, positioned vertically to the left of the main title.

HUD

Sustainable Housing

**ANSI Joint Member Forum
Smart Cities Panel**

**Trisha Miller
Office of Sustainable Housing and Communities**



Cities Greening Affordable Housing

Good for
Environment

Good for Public
Health

Sound Fiscal
Policy



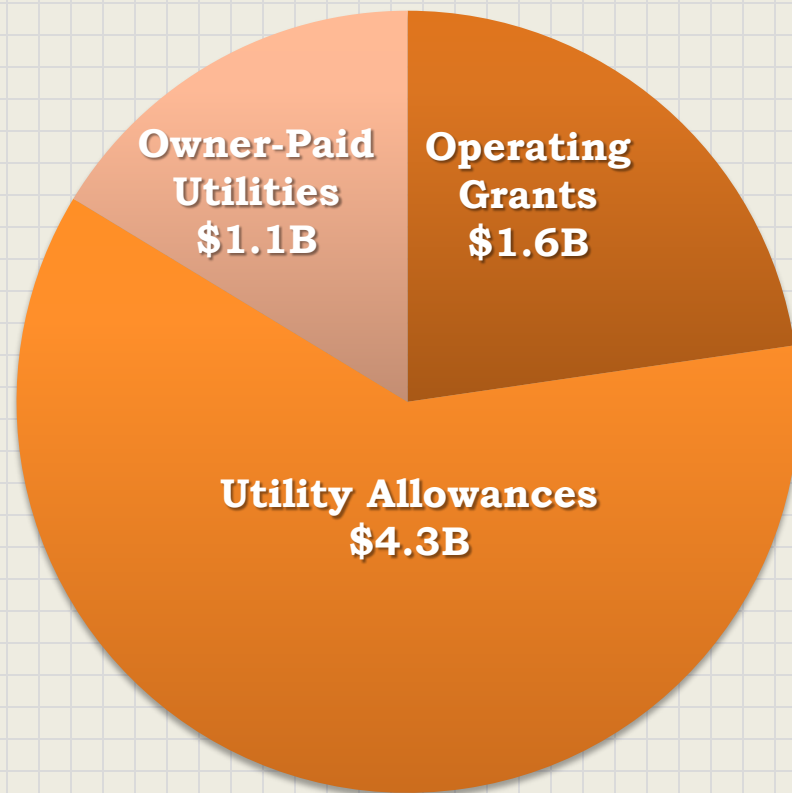
**HUD ASSISTED
RENTERS AND OWNERS
SPEND MORE THAN**

\$7

BILLION

A YEAR ON UTILITIES

=



HUD estimates a modest reduction of 5% of energy usage could save \$350 million a year, or \$1.75 billion over 5 years.

2010 – 2011 at a Glance

200,965 total units retrofitted throughout HUD programs

119,965 units of completed retrofits in Public and Indian Housing

24 contracts over **48,509** units through Energy Performance Contracts

3,358 units through ongoing HOPE VI program

Nearly **half** financed through the \$4 billion Recovery Act Capital Fund

Additional units retrofitted HUD wide

15,000+ Community Planning and Development

26,000 Single Family and Multifamily housing finance

40,000 Office of Healthy Homes and Lead Hazard Control

- 73-unit senior housing facility with a mix of 1 and 2 bedrooms
- First NetZero, Fossil Fuel Free, LEED Platinum senior housing project in the U.S.
- Energy efficiency strategies:
 - passive systems
 - active mechanical system
- Renewable energy systems:
 - renewable energy generation systems
 - solar and wind energy

Paisano Green Community
El Paso, Texas



Community Planning and Development Initiatives

Community Development Block Grants & HOME Energy Star Units

Energy and green building incorporated into existing programs. CPD encourages state and local governments to adopt Energy Star standards for new construction or substantial rehabilitation and to use Energy Star products in HUD-funded rehabilitation projects.

Neighborhood Stabilization Program

Cities were encouraged to strategically incorporate modern, green building, and energy efficiency improvements in all activities. NSP2 and NSP3 projects are required to be energy-efficient and incorporate cost-effective sustainability features. Substantial rehabilitation must meet the standard for Energy Star for New Homes. Other rehabilitation activities must use EnergyStar and WaterSense replacement products.





Folsom Dore Apartments San Francisco, California

- 98-unit mixed-income building
- Offers permanent supportive housing for formerly and chronically homeless individuals and families
- Incorporated many green design elements in project; beat the minimum state energy-efficiency standards by 20%
 - high efficiency HVAC system
 - EnergyStar appliances
 - high-performing windows





- First in a pilot project for the Center for Sustainable research specifically designed to test the socioeconomic health impact of green building
- Viking Terrace Health Outcome Study
 - residential health outcome study
 - post construction building evaluation
 - ecological impact assessment
 - cost analysis

Viking Terrace Apartments Worthington, MN



Partnership for Sustainable Communities



Partnership Livability Principles

1. Provide more transportation choices
2. Promote equitable, affordable housing
3. Enhance economic competitiveness
4. Support existing communities
5. Coordinate policies & leverage investment
6. Value communities and neighborhoods

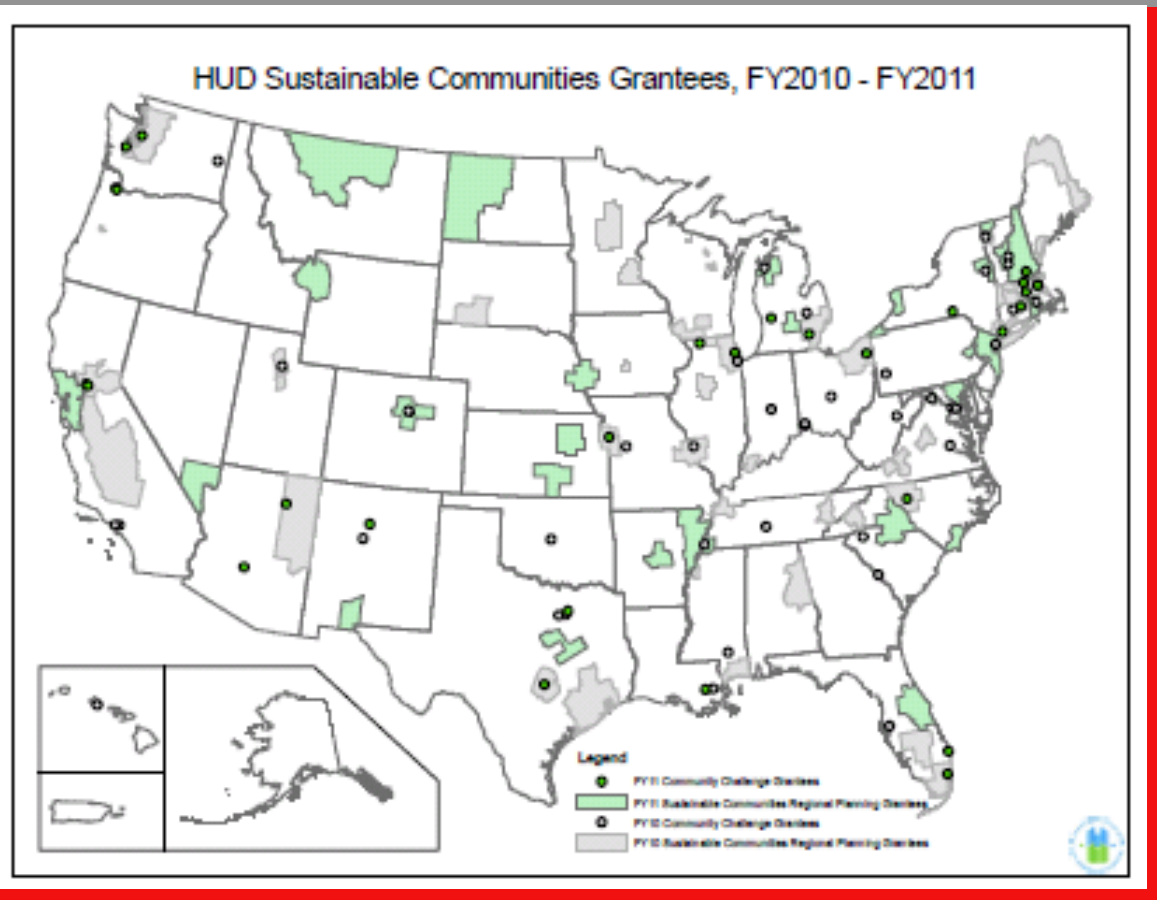


HUD Sustainable Communities Planning Grantees

Supporting work in **48**
states and D.C.

More than **133** million
Americans who live in grantee
regions and communities.

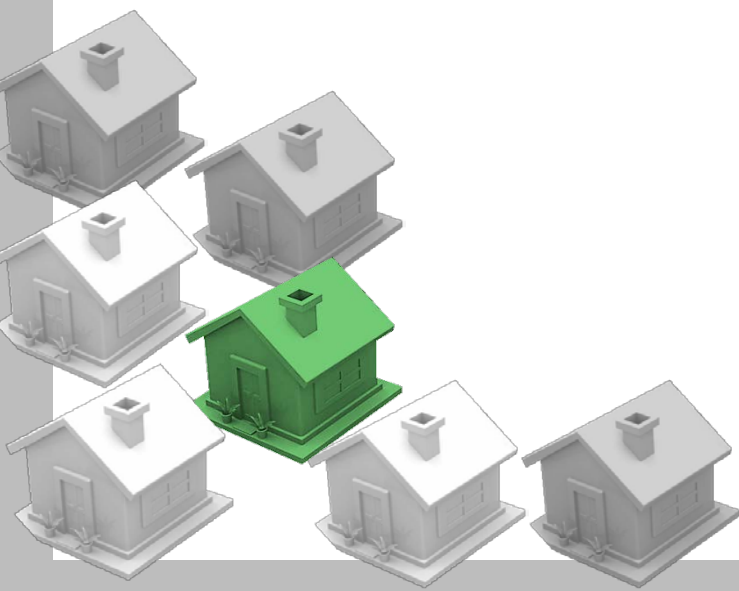
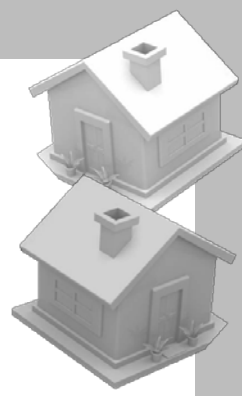
A total federal investment of
\$240 million is *leveraging*
an additional **\$253** million
in private and local
commitments.



- 18-acre South Lincoln Homes public housing redevelopment project
 - 214 public housing/LIHTC units
 - 127 LIHTC only units
 - 110 market rate units
 - 6 affordable homeownership units
- Funding sources:
 - Sustainable Communities grantee
 - \$10 Million in ARRA funds
 - \$22 Million in HOPE VI funds
 - DOE, FTA and EPA funds
- On track for LEED Gold certification



Denver Housing Authority: South Lincoln Development



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