State Clean Energy-Environment Technical Forum

Energy Efficiency Opportunities in Affordable Housing

Telephone Conference
December 14, 2006
Financing Affordable Housing

Energy Efficiency Opportunities in Affordable Housing
New Jersey Affordable Housing Financing

Balanced Housing
HOME
Municipal Land Acquisition (MLA)
NJ Affordable Green
NJ Affordable Green Premium
Microload Pilot / EPA IAQ Pilot
Home Express
4% & 9% LIHTC
Special Needs Housing Trust Fund
Sunlit / Trufit
CHOICE
Brownfield Task Force / Smart Growth
Board of Public Utilities / NJ Energy Star
Home Performance w/ Energy Star
CORE

100,000 New Affordable Housing Units by 2010
NJ Energy Star

On Our Way to Market Transformation

Energy Efficiency Opportunities in Affordable Housing
New Jersey Energy Star History

1997 - First NJ Home Completed to Energy Star Standards

1998 - PSEG 5 Star Program and Conective Power Delivery

1999 - Electric Discount and Competition Act Enacted (EDCA)
NJBPU Establishes the Societal Benefits Charge (SBC)

2000 – One Point for NJ Energy Star Added to the LIHTC QAP - NJ Energy Star integrated into NJ green/high performance programs as energy baseline

2001 - Utility Collaborative est. to offer one state wide NJ Energy Star Program

2001 – HMFA / Balanced Housing Rules Adopted Requiring E-Star

January 2003 – NJ Board of Public Utilities establishes NJ Clean Energy Council
To advise the Board in administrative and fiscal management structure of the Clean Energy Programs and transition overall program administration from the Utility Collaborative to independent Program Manager

May 2003 – BPU amends BO to allow affordable housing to receive rebates regardless of Smart growth / Non Smart Growth location

2006 – DCA Green Homes receives EPA Partner Award; 10k affordable units EStar units

2007 – Home Performance w/ Energy Star goes statewide and EPA IAQ Package Pilot
Energy Star and Affordable Housing

Energy Efficiency Opportunities in Affordable Housing
Energy Star for Affordable Housing

Energy Star Positively Impacts Operating Costs

Provides Better Design and Better Quality Housing

Changes Public Perception of Affordable Housing

Set a Cohesive Standard among State Agencies (HMFA, DCA, BPU)

Clear Expectation Among Partners Design Teams (CDC, For/Non-Profits)

Opportunity to Change Energy Use Habits

Avenue to explore Green Building
Program Priorities

Energy efficiency reduces utilities costs makes housing more affordable for greater portion of the population

Improving durability extends building life reduces cost of keeping them viable safe and healthy living spaces

Building to safe guard the health of occupants we improve the quality of life for people with the least access to quality healthcare

Ensuring safety of the occupants, fostering community and pride
Energy Efficiency Opportunities in Affordable Housing

NJDCA Green Homes Office

Technical Assistance – Training/Education – Policy/Planning

New Jersey Affordable Green (NJAG)

NJ’s premier affordable housing green program for six years,
3000 units to date!

NJAG for the integration of green and energy efficiency systems within affordable housing. Technical Assistance, Training and Subsidies.

NEW – Green Balanced Housing Green Requirements

NEW - New Jersey Affordable Green Premium

Proposal based grants for exceedingly energy efficient buildings (Energy Star +), EPA Indoor Air Quality Package and a cutting edge technology signature feature.
What Could It Mean???

Energy Efficiency Opportunities in Affordable Housing
What it Could Mean

If all housing starts over the next 10 years were built using Energy Star or green building standards with a benchmark of 30% energy reduction:

- 7,000,000,000,000,000,000 BTU saved
- 773,000,000 metric tons of CO2 emissions eliminated
- $1,100,000,000,000 consumer savings