

#### **HUD Green Academy Training**

Intro to Green Building for • Course 1 Affordable Housing

• Course 2 Executive Decision-Making

• Course 3 Best Practices for Building Operations and Maintenance

Financing Green Building Course 4

• Course 5 **Energy Performance** 

Contracting for Small PHAs



#### **COURSE SUMMARY**

This eight hour course reviews the U.S. Department of Housing and Urban Development (HUD) program regulations and incentives for new construction and substantial rehabilitation projects with a sustainable project scope. It also provides an overview of local and federal incentives, tax credit programs, utility company partnership and foundation funding this course targets HUD grantees, affordable housing practitioners and participating jurisdictions. Approaches for determining project scope and feasibility are also discussed.

#### **COURSE OBJECTIVES**

- Provides a comprehensive awareness of HUD funding programs for new and substantial rehabilitation projects incorporating energy and water efficiencies for public housing, multifamily and affordable housing preservation projects.
   Identifies opportunities to incorporate ECMs and renewable energy in project scope.

- in project scope.

  Provides framework for evaluating a grantee's portfolio and assessing feasibility of sustainable project scope.

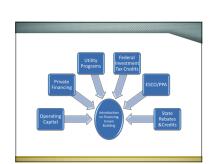
  Provides a framework for understanding federal and local green building incentives and partnerships, how to access them and what one needs in preparation for these partnerships.

#### **AGENDA**

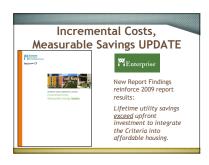
- Module 1 Introduction to Financing Green
- Building

  Module 2 Project Scope: Finding and Assessing Opportunities
- Module 3 HUD Funding Programs
- Lunch
- Module 4 Financing Programs and Strategies
- Module 5 Funding Soft Costs
- Module 6 Which Funding Options Are Right for You

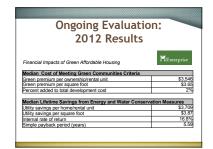








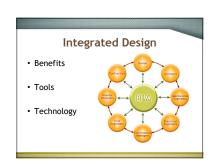




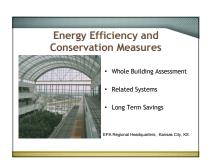






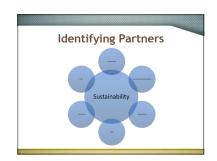




















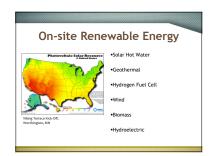
















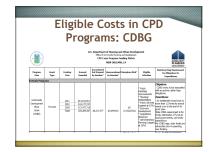


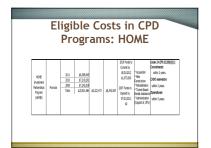


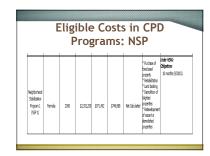








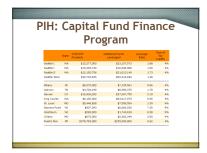












## PIH: Operating Fund Finance-Program •Framework •Benefits

Challenges

## Rental Assistance Demonstration: RAD \*Framework \*Benefits \*Challenges



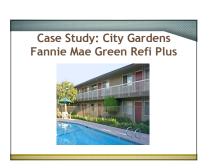


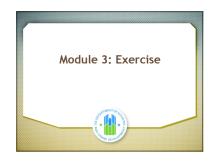






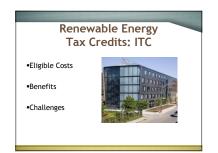






















#### **State Energy Credits**

- •Energy Distribution and Generation Suppliers required to produce renewable energy
- •Solar Alternative Energy Credits/
  •Solar Renewable Energy Certificates
- •Certified eligible generators of renewable energy

#### ESCO Savings Guarantee and Shared Savings

- Energy Services Company
- ■Contract term
- Shared savings
- Benefits
- Challenges



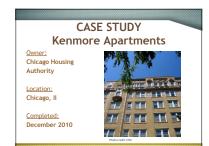
#### Energy Efficiency Based Utility Allowance

- An alternative utility allowance, determined by local PHA
- •Projects must achieve a specified level of efficiency (e.g., 15% above code)
- •Typically mirror existing state/local utility program requirements





# Emerging Tool: Green Banks



#### Case Study: Kenmore Apartments Chicago, IL

- Multi-unit residential
- Rehab
- 100 one bedroom units
- 90,000 ft2
- Urban setting
- USGBC LEED NC v2.2 --Level: Platinum
- Priorities: water conservation, indoor air quality

### Case Study: Kenmore Apartments Chicago, IL

- Financing Mechanisms
  Equity: LIHTC
  Grant: Private (foundation), public agency (ARRA)
  - Loans: Public institution
- Total hard cost (land excluded): \$18,522,547













- Enterprise Community Partners
- LISC







