Home Performance with ENERGY STAR: Program Overview and Progress Update

Steve Dunn, Program Manager

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What is Home Performance with ENERGY STAR

- A national voluntary program to make energy-saving improvements to existing single and multifamily homes in the U.S.
- Makes homes more comfortable, durable and healthier to live in
- Reduces household energy costs by 25% or more
- Incorporates industry-leading quality assurance
  - Follows building-science principles
  - Rigorous contractor guidelines
  - Quality assurance mechanisms
- Backed by ENERGY STAR – a credible brand that 91% of consumers recognize and trust
The HPwES Approach

- **Sponsors** recruit and train qualified home improvement contractors and consultants that perform home performance assessments and improvements

- **Energy assessors** identify and recommend efficiency improvements, perform health and safety tests, and provide assessments and ratings to homeowners

- **Contractors** perform improvements that reduce home energy use by 25% or more

- Sponsors and contractors adhere to rigorous quality control and quality assurance procedures, including field inspections of completed projects
The Home Performance with ENERGY STAR Sponsor Network

- **39 Local HPwES Sponsors**
- **1,300 Participating Contractors**

*Contractor Presence*

*HPwES Coverage*
2018 Progress: HPwES Sponsor Initiatives

- **Serving low-moderate income households**
  - 14 Sponsors offering low-moderate income programs and services
  - 9 Sponsors offering services to multifamily buildings

- **Providing home energy labels and certifications**
  - Sponsor Certificates of Completion (BPI -2101)
    (e.g., IL Home Performance, Columbia Water & Light)
  - Integration with Home Energy Score (e.g., Columbia Water & Light, Energize Connecticut, Mass Save, New Jersey BPU, PSEG – Long Island)
  - Pearl Home Certification pilot (Northern Virginia)

- **Partnering with HPwES Contractors and providing technical support and training**
  - Co-op marketing campaigns (e.g., New Jersey)
  - Performance-based incentive mechanisms (e.g., PEPCO, BGE, DelMarva Power, MD)
  - Contractor training, trade ally networks, workforce development partnerships, online training resources, mentoring (e.g., NYSEERDA, Efficiency Vermont, Focus on Energy)
2018 Progress: HPwES Sponsor Initiatives

- Promoting healthier homes and improving indoor air quality
  - NYSERDA
    - Rate-payer funding for in-home education, healthy home repairs
    - Single assessor for energy efficiency and healthy home assessment
    - Same set of contractors for both types of repair
  - Efficiency Vermont
    - Actively drives HPwES participants to take on additional healthy home improvements
    - Conducted study proving importance of best practice ventilation to ensure healthy CO2 levels
    - Established strategic partnership to drive adoption of energy/efficiency-healthy home interventions with sustainable funding
Home Performance with ENERGY STAR
Program Performance and Results

- 775,000 households served (2002 – present)
- Average of $500 savings per home

2018 progress and results:
- 85,000+ Home Upgrades
- 41,000+ Income-Qualified
- 10,000+ Multi-Family
Home Performance with ENERGY STAR
Sponsor Investment and Impact

Annual Program Activity (2018)

• $509 million Sponsor & Household Investment

• Average project cost: $5,500

• Average net cost to households (after incentives): $2,900*

*Low-moderate income household participation in HPWes is subsidized by many HPwES Sponsors through a combination of free or reduced cost assessments, no-cost installation of measures, reduced interest rate loans, and income-qualified incentives.
HPwES Projects: 2002 - 2018

Cumulative Projects Since Program Inception, 2002 - 2018
HPwES Sponsor Portfolio: Efficiency Measures
Energy and Environmental Benefits

Annual Energy Savings in 2018*

- 123 million kWh
- 13 million therms

156,000 metric tons of CO2 avoided annually
33,247 cars off the road for 1 year

* Gross site energy savings as reported to DOE by HPwES Sponsors
ENERGY STAR Awards
HPwES Sponsor and Contractor Recognition

- ENERGY STAR Partner of the Year Awards
- Home Performance with ENERGY STAR Contractor of the Year Awards
- Excellence Awards
- Century Club Awards
2019 ENERGY STAR Award Winners: Partner of the Year

Congratulations to the 2019 HPwES Partner of the Year Winners!

2019 ENERGY STAR Partner of the Year: Sustained Excellence

- Austin Energy
- Baltimore Gas & Electric
- Columbia Gas of Ohio
- Consumers Energy
- Delaware Sustainable Energy Utility
- Delmarva Power & Light Company
- Efficiency Vermont
- Energize Connecticut
- Focus on Energy
- National Grid Rhode Island
- New Jersey Board of Public Utilities
- New York State Energy Research and Development Authority (NYSERDA)
- Potomac Electric Power Company
- Southwestern Electric Power Company

2019 ENERGY STAR Partner of the Year

- Black Hills Energy Arkansas
- City of Columbia Water & Light
- Midwest Energy Efficiency Alliance (Illinois Home Performance)
- PSEG Long Island
2019 ENERGY STAR Award Winners: Contractor of the Year

Congratulations to the winners of the Home Performance with ENERGY STAR 2019 Contractor of the Year Award!

2019 ENERGY STAR Contractor of the Year: Sustained Excellence

- AZ Energy Efficient Home (AZ)
- GreenSavers (OR)

2019 ENERGY STAR Contractor of the Year

- Ciel Power LLC (NJ)
- DNR Construction (IL)
- EDGE Energy (MD)
- Elevation Solar (AZ)
- Home Energy Medics (VA)
- Ideal Energy (AZ)
- Wise Home Energy (NY)
2019 ENERGY STAR Award Winners: Excellence in ENERGY STAR Promotion

2019 ENERGY STAR Partner of the Year: Excellence in ENERGY STAR Promotion

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For More Information

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HPwES website:
www.energystar.gov/hpwes

ENERGY STAR Awards and Winner Profiles
www.energystar.gov/awards

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