



# Energy Star

## PIH Notice 2000-09

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- Encourages ENERGY STAR as the standard for PHAs. Purchase of ENERGY STAR -labeled products, adoption of the whole-house approach *Home Performance with ENERGY STAR*, which emphasis a holistic approach to building performance and construction of ENERGY STAR qualified residential structures (HOPE VI),



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- by PHAs support the goals of the President's National Energy Policy by reducing the burden of public housing energy costs while increasing comfort and reducing health risks to public housing residents.
- <http://www.energystar.gov/index.cfm?c=home.index>



# Energy Star - Example

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- For a 16 cu.ft. refrigerator and with KHW costing 14 cents. You can save more than **\$250** over 5 years by replacing an old refrigerator with a new ENERGY STAR qualified model! Your pre 2000 model costs... **\$99** per year. An ENERGY STAR qualified model costs... **\$49** to run per year.



## Water Heater Technology Average Annual Savings\*

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- High-Efficiency Gas Storage \$30
- Gas Condensing \$110
- Whole-Home Gas Tankless \$115
- Solar \$220
- Heat Pump \$290
- \* Savings for average household of 2.6 people.



# Energy Conservation

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- 1 KWH = 1.297 lbs of CO<sub>2</sub>
- 1 Therm of gas = 11.7 lbs of CO<sub>2</sub>



# Energy Service Contracting

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- Can be through an Energy Services firm or by PHA.
- Can be as simple as one item with a bank loan or hundreds of items with a lease.



# Energy Service Contracting

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- Can extending an existing Energy contract.
- Can be for a couple of years out to a maximum of 20 yrs.



# Energy Service Contracting Whys

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- To have more dollars available for capital expenditures.
- To generate cash flow & revenue for the PHA in the future.
- To reduce the tax payers cost of running Public Housing.
- To do you part in saving the environment for our children.



# 2008 approved EPC's Expected reduction of CO2

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- Ithaca phase II - 486 tons per yr.
- Elmira's – 946 tons per yr.
- Watertown's – 1,439 tons per yr.
- Schnectady's - 1,712 tons per yr.
- Utica's - 3,025 tons per yr.
- Troy's - 3,026 tons per yr.
- Total – 10,634 tons per yr.



# Energy Services Contracting

## How to decide

- Like most things in life its easier not being the first to explore a new area.
- Others PHAs have done ESC.
- Like all the other big decisions you made it best to get all the facts and see if this makes "cents" for you to do.



# Energy Services Contracting

## How to get started

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- Could be as simple as opening your most recent energy audit and seeing what items would save some big dollars.
- Calling or e-mailing your HUD engineer or another PHA that has and ESC.
- Calling an Energy Services Company and asking them to take a look.