

# Remodeling Your Home With ENERGY STAR

What's Working in Residential Energy Efficiency  
Upgrade Programs

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# Remodeling Your Home With ENERGY STAR

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Expand the reach of Home Performance programs by using Remodeling projects as leads.

Adding space?

We'll help you reduce your energy bills at the same time!

**LIPA**  
Long Island Power Authority  
[www.lipower.org](http://www.lipower.org)



# Remodeling Your Home With ENERGY STAR



## Contractor Delivery Mechanism

Early Pilot Phase will be a coordinated effort.



A Home Performance with ENERGY STAR Contractor and a Remodeling Contractor under Program Oversight

## Contractor Role

- Perform Pre-Test of Existing Home and Additional Space
- Perform CHA on Existing Home
- Develop a HP Work Scope for the Existing Home
- Work with Remodeler to develop a Remodel Work Scope for Additional Space
- Install Measures
- Perform Test Out After Additional Space Remodel Complete

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## Program Role

- Use Pre-Test Data to quantify the home's energy efficiency level prior to remodel activities
- Review and Approve HP and Remodel Workscopes
- Conduct QA/QC of Activities during Pilot Phase
- Use Post-Test Data to Develop a Home Energy Score
- Award Remodel with Energy Star Certificate to Homeowner
- Develop a Tier Based Recognition System based on % of Energy Savings

## Towns Role/Process

### Towns of Babylon & Southampton

- ID building permit applications
- Completion within 6-9 Months
- Reduced Permit Fees
- Expedited Permit Process

# Remodeling Your Home With ENERGY STAR



A **previously** unconditioned space undergoing modification or renovation



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A **New** conditioned space where one did not exist





# Eligible LIPA Program Rebates



## Home Performance w/ENERGY STAR

- Air & Duct Sealing
  - Insulation
  - Windows
- Room Air Conditioners
- Electric Water Heaters
  - Storm Doors

**REMODEL CUSTOMER**

## Energy Efficient Products

- Refrigerators
- Energy Efficient Lighting

## Cool Homes

- Central A/C
- Heat Pumps

## Remodel Pilot

- Dishwashers
- Ceiling Fans
  - Bath Fans
- High-Efficiency Windows
- Exterior Doors
- Dehumidifiers

# Typical Annual Customer Energy Savings



<u>Remodel Scenario</u>	Potential Customer Annual Electric Bill Savings	Potential Customer Annual Gas Bill Savings	Potential Total Customer Annual Energy Bill Savings
Garage Conversion	\$437	\$175	\$612
Attic Conversion	\$327	\$216	\$543
Finished Basement	\$312	\$24	\$336
Full Gut	\$776	\$158	\$934
Additional Space	\$497	\$239	\$736

## Real Estate Broker's Buy-In

### Quote from Long Island Board of Realtors:

***“A home that has a LIPA Home Energy Score attached to it will create an automatic incentive for a future buyer looking to purchase the home. On Long Island, we currently have over 29,000 available properties for sale on the MLS. Today’s Buyers have many properties to choose from when looking for a home - – any home that would BOAST a LIPA Home Energy Score will be more desirable and more marketable. So in today’s market – a home that has the energy score could make all the difference.”***

# Sample Home Certificate

## HOME ENERGY SCORE

Address **31 Pine Street  
Babylon, NY 11702**

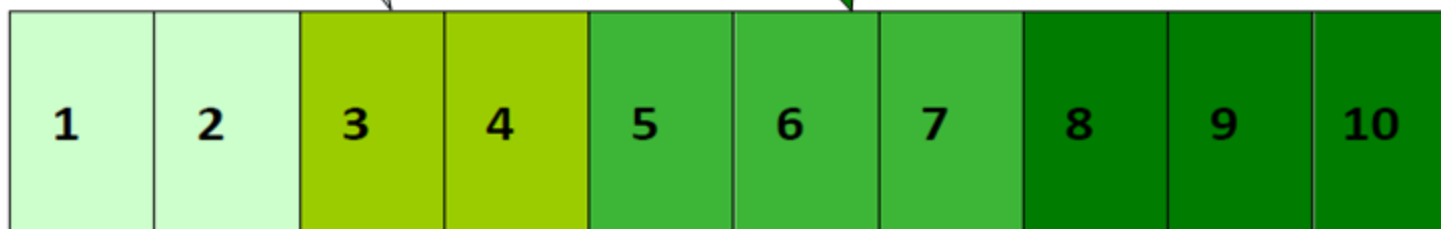
Total Energy **335 MBTUS/year**

Home Size **1054 Square Feet**  
Central Air Conditioning **Yes**

INITIAL SCORE  
Based on Home  
Energy Use

HOME SCORE after  
**Home Performance  
with ENERGY STAR**

Uses  
**MORE**  
Energy



Uses  
**LESS**  
Energy

Energy use reported in Million British Thermal Units (MBTUs). Estimated savings reflect the amount a homeowner will save on their annual utility bill based on improvements that were made. Your actual energy use and savings will depend on how you maintain your home, how many people live there, your day-to-day habits and weather.



Project #

**0001**

Completion Date

**9/16/10**

Cert. #

**0001**



# Remodeling Your Home With ENERGY STAR



Press Conference held March 15th, 2011



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**Press Conference held March 15th, 2011**

<http://www.youtube.com/watch?v=aoO0frUNLtE>

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## Insulation is Sexy – Energy Savvy