

Entergy[®]



Home Performance with ENERGY STAR[®] Program

Easy Steps to a More Comfortable, Energy-Efficient Home



How the Program Works

Entergy's Home Performance with ENERGY STAR® takes the guesswork out of home improvement to help make your home more comfortable and energy efficient year-round—even in hot Texas summers! By choosing to participate, you've taken the first step toward reducing your energy use while doing your part to improve the environment. This brochure will guide you through the Home Performance with ENERGY STAR process—from the initial visit through project completion.

STEP 1. Find a Participating Contractor

Knowing what energy-efficiency improvements to make in a home and how they can work together requires special expertise. Our certified participating contractors are trained to perform advanced diagnostics to evaluate your home's energy usage. For a list of participating contractors, visit www.energy-texas.com/energy_efficiency.

STEP 2. Complete a Home Energy Audit

A comprehensive home energy audit, conducted by a participating contractor, will provide you with valuable information regarding the condition of your home and identify potential improvements. The audit typically takes 2–4 hours, depending on the size and complexity of your home's systems.

Homeowner Consultation

The home energy audit begins with a consultation to help your contractor understand concerns you have about your home's energy use and comfort. During the consultation, your contractor will request records of your home's recent energy consumption. Your contractor may also gather information about your home's day-to-day operation and discuss any concerns you may have, such as high energy usage, uneven temperatures, etc.

Home Inspection

After the consultation, the contractor will complete an inspection of the living space, attic, crawl space/basement, and exterior of your home. The contractor also will perform tests using special diagnostic equipment such as a blower door, which measures how much air is leaking from your home; combustion safety testing; and other tests that comply with Building Performance Institute (BPI) or RESNET standards.

Participating contractors typically charge a fee, which varies by contractor, for the home energy audit. Be sure to discuss associated costs with your contractor.

STEP 3. Review Findings and Recommendations

Home Performance Evaluation Report

Your contractor will prepare a home performance evaluation report using the results from the energy audit and energy analysis software that models your current home energy usage and estimated savings. Your contractor will then provide you with this detailed report, which includes:

- A list of recommended improvements and costs.
- An estimate of the cash incentives you can receive from Entergy.
- Your expected utility savings¹ and payback for completing the recommended upgrades.
- A list of non-energy related benefits associated with making the upgrades, such as health and comfort improvements.

¹ The estimated savings are based on your retail electric provider and gas company's utility rates per kWh and therm, and capture your home's performance in an average heating and cooling season. Actual results will likely vary based on the severity of the weather, changes in your lifestyle or in the products you use in your home, fluctuations in energy prices, and other factors.

STEP 4. Review and Sign a Contract

When you have decided on the improvements you want installed, your contractor will present you with a written contract to review and sign. During this time, you can also consider the incentives² offered by Entergy.

Before signing the contract, make sure it:

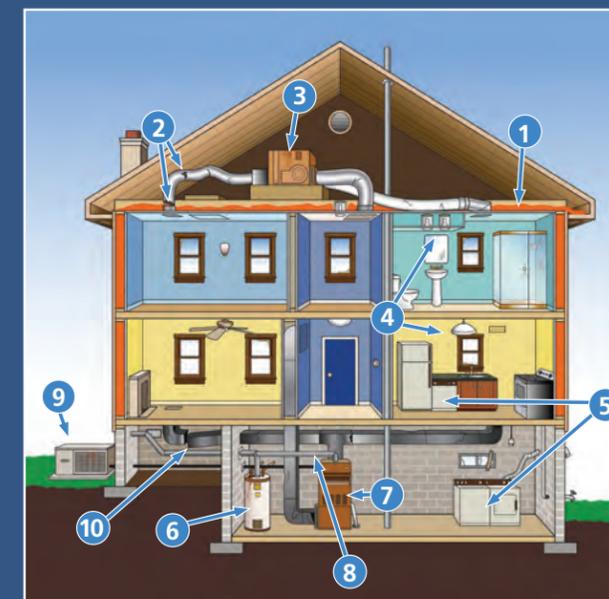
- Includes details on the work you want done and equipment you want installed.
- Is a fixed-price contract that cannot be changed without your written permission.
- Outlines payment terms, such as the down payment amount, installment payments, and the due date for the final payment.
- Does not include work you do not want or understand.

When you are satisfied with the contract details, sign the contract and keep a copy for your records. Your contractor will submit a copy of this contract with your Incentive Application and signed Terms and Conditions to the program. Work cannot begin until both you and your contractor have signed the contract. At this time, you also should discuss expected start and completion dates.

Change Orders

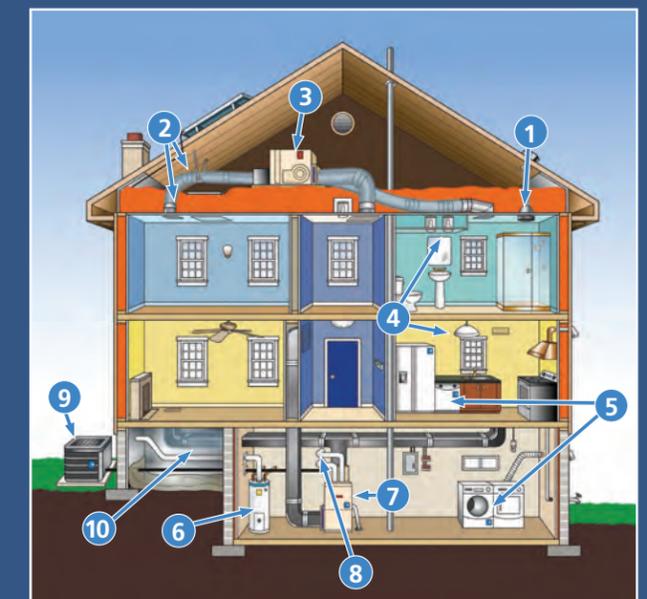
Sometimes, the work scope changes during the course of the job. The program requires that, unless warranted by special circumstances such as health and safety, changes to your contract must be in a change order form, which must be signed, dated, and submitted to you before the new measures are installed—and before any adjustments to financing or incentives.

Improvement Opportunities



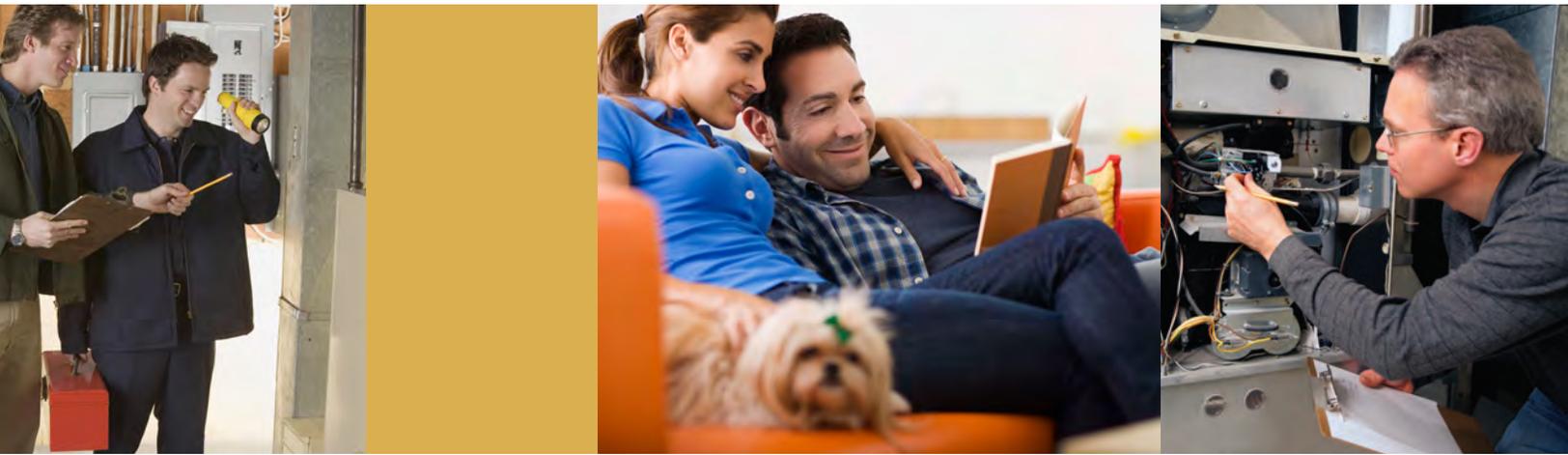
- 1 Poor Insulation Levels
- 2 Duct Leakage
- 3 Inefficient Heat Pump
- 4 Incandescent Light Bulbs
- 5 Inefficient Appliances
- 6 Electric Resistance Water Heater
- 7 Inefficient Furnace
- 8 Potential Combustion Hazards
- 9 Inefficient Air Conditioning
- 10 Loose Ducts

After Home Performance with ENERGY STAR



- 1 High-Efficiency Attic Insulation
- 2 Tight Ducts
- 3 High-Efficiency Heat Pump
- 4 High-Efficiency Compact Fluorescent Light Bulbs
- 5 ENERGY STAR Appliances
- 6 High-Efficiency Non-Electric Resistance Water Heater
- 7 High-Efficiency Furnace
- 8 Combustion Safety
- 9 High-Efficiency Air Conditioning
- 10 Insulated Tight Ducts

² These incentives are subject to change without notice.



STEP 5. Install Energy-Efficiency Improvements

When it's time to have the work done, your contractor may have to visit your home on multiple days to complete the job. At a minimum, you should meet with the contractor at the beginning of each day before work begins and at the end of the day to review progress.

Final Test Out

After the installation, your participating contractor will complete a final test out to ensure that the increased airtightness resulting from the improvements does not cause air quality or combustion safety problems. The final test out also ensures that the work was completed properly. If the final test out reveals conditions that do not meet the program's requirements, your contractor will complete modifications to bring your home into compliance at no additional charge to you.

Job Completion Form

The final test out and job inspection will be documented with a Job Completion Form. DO NOT sign the Job Completion Form until all work specified on the original contract and any Change Orders is completed to your satisfaction.

All Entergy Home Performance with ENERGY STAR projects are subject to random Quality Assurance inspections or customer outreach.

STEP 6. Assess Work Quality

Equipment and Labor Warranties

Participating contractors will provide you with a written warranty on labor and materials for a minimum of one year from the date the service is completed. Equipment installed will carry the manufacturer's warranty and any optional extended-warranty coverage that you select. Entergy does not warrant the products and/or services of participating contractors and is not responsible or liable for any work performed by contractors or their suppliers.

Certificate of Completion

Your contractor will submit the Job Completion Form for verification and acceptance under program standards. Once the form is accepted, the program will send you a Certificate of Completion officially documenting the energy-efficiency improvements that were made to your home.

Paying for the Work

Once you sign the Job Completion Form, your final payment is due under the terms and conditions of most contracts.

STEP 7. Reap the Benefits

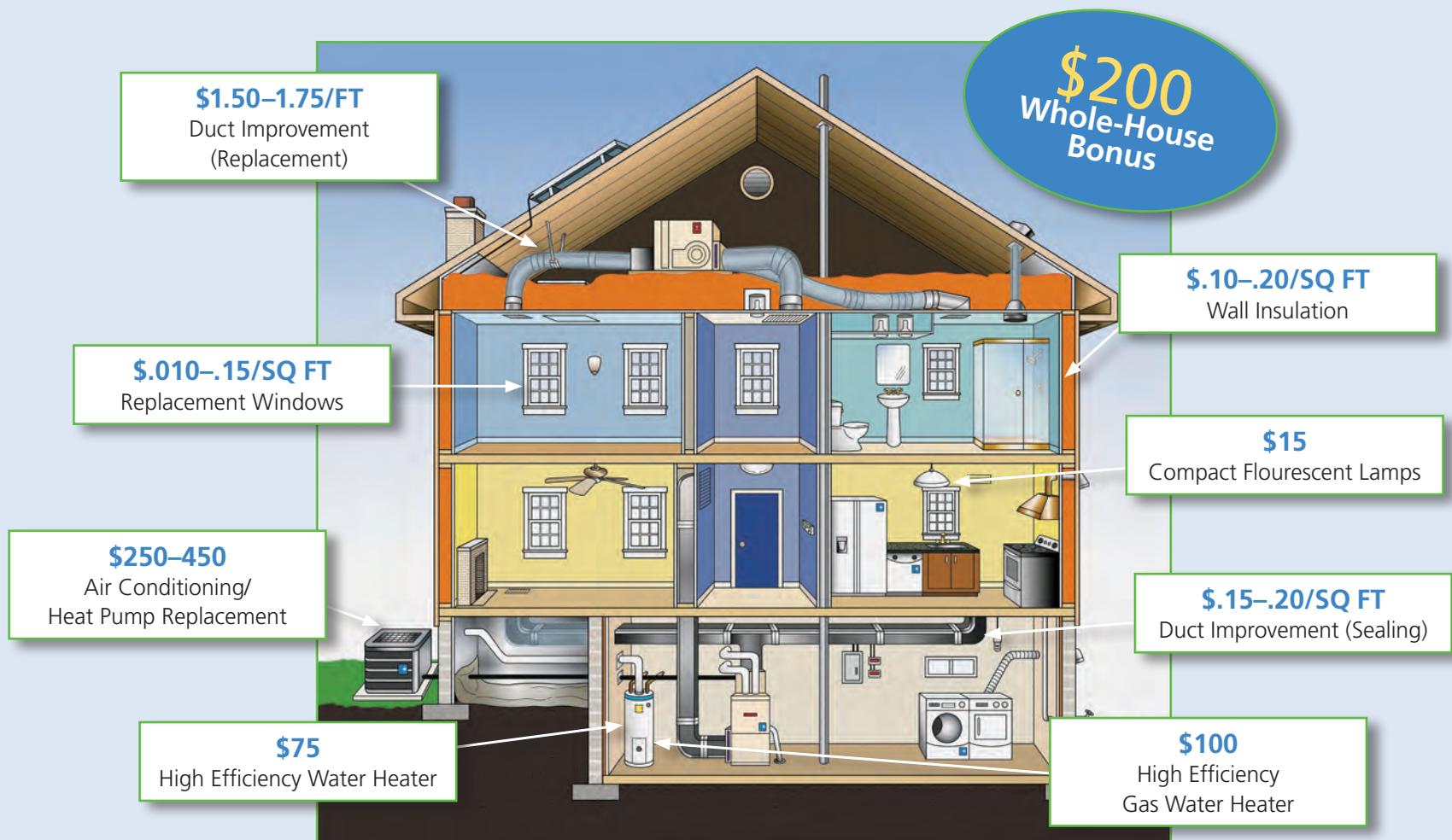
You're all set! Sit back, relax, and enjoy all the benefits of a whole-house approach to energy-efficient home improvements with Entergy's Home Performance with ENERGY STAR Program.



Save up to **\$1,000** on Home Energy Upgrades

With Entergy's Home Performance with ENERGY STAR® program, you can save money on home improvements that make your home more energy efficient and comfortable year-round.

Opportunities to Upgrade and Save



Schedule a Home Energy Audit with a participating contractor today!



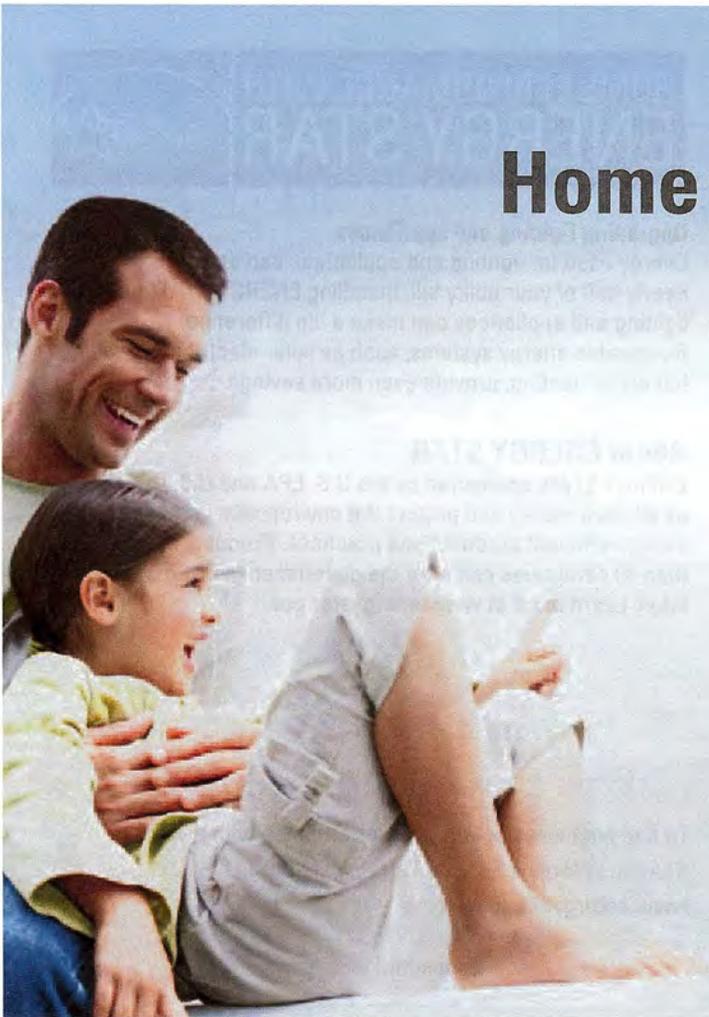
Absolute Insulation
Gary Boudoin
409-724-0300
Nederland

Air Solutions, Inc.
Jeff Landry
866-805-2473
Groves

Efficient Systems
409-838-1676
Beaumont
409-883-3731
Orange

**Energy Sense/
Williams Insulation**
Jimmy Smith
409-842-0115
Beaumont

**WXR Weatherization
Experts**
Noe Montalvo
713-588-1019
Houston



Home Performance with ENERGY STAR®

sponsored by



A drafty house, rooms that are too hot or cold, and high energy bills are common concerns for homeowners in Entergy's Service Territory. Installing a new heating or air conditioning system, replacement windows or adding more insulation may fix part of the problem. But the better way to address these problems is through a "whole-house" approach.

Home Performance with ENERGY STAR, sponsored locally by Entergy Texas offers a comprehensive approach to home improvement that increases energy efficiency, lowers utility bills, and makes your home more comfortable. These improvements may also qualify for federal energy efficiency tax credit of up to \$500.

Learn more at www.entergyefficiency.com.

WHY HOME PERFORMANCE WITH ENERGY STAR?

Thorough Diagnosis

Contractors participating in Entergy Texas's Home Performance with ENERGY STAR program use state-of-the-art equipment to evaluate your home from top to bottom. Based on this assessment, the contractor will recommend cost-effective improvements that will yield the best results for you and your family. Once you select the improvements that fit your needs and budget, the contractor will help you get the job done.

Quality Assurance

Entergy Texas is committed to ensuring that participating contractors in our Home Performance with ENERGY STAR program maintain high standards and do quality work.



COMMON RECOMMENDATIONS

Sealing air leaks and adding insulation

Sealing air leaks is the first step to making your home more energy-efficient. Air leaks around your house, especially leaks in the basement and attic can cause significant loss of heated or cooled air. These leaks can make your house uncomfortable and make your heating or cooling system work harder. After sealing leaks, we may also recommend adding insulation to make rooms more comfortable.

Improving heating and cooling systems

If your furnace or air conditioner is more than 10 years old, we may recommend replacing it with a unit that has earned the ENERGY STAR® label. When properly sized and installed, these high-efficiency units can save you up to 20% on heating and cooling costs.

Sealing ductwork

Many homes have leaky or uninsulated duct work that can cause heated or cooled air to be distributed unevenly through the house. Sealing, fixing, and insulating ductwork can make your home more consistently comfortable and help your heating and cooling system work more efficiently.

HOME PERFORMANCE WITH
ENERGY STAR



Upgrading lighting and appliances

Energy used for lighting and appliances can account for nearly half of your utility bill. Installing ENERGY STAR qualified lighting and appliances can make a big difference. Renewable energy systems, such as solar electricity or solar hot water heating, provide even more savings.

About ENERGY STAR

ENERGY STAR, sponsored by the U.S. EPA and U.S. DOE, helps us all save money and protect the environment with energy-efficient products and practices. Products in more than 40 categories can earn the government's ENERGY STAR label. Learn more at www.energystar.gov.

To find out more about Home Performance with ENERGY STAR in Entergy's Service Territory visit us at www.energyserviceefficiency.com

Sponsored locally by:



Home Performance with ENERGY STAR®

makes everyone more comfortable.





Home Performance with ENERGY STAR® Test-Out Audit



Homeowner Name: _____ **Phone # (H):** _____
Address: _____ **Phone # (W):** _____
City, State, Zip: _____ **Email:** _____
Test-out Date: _____ **Home Performance Specialist:** _____
Project ID Number: _____

Blower Door Test and Ventilation Compliance

Method Used to Determine Building Leakage Standard (check one):

- Whole Building Mechanical Ventilation per ASHRAE 62.2 - 2007
- Ventilation Credit for Air Leakage (indicate software used):
 - TECTITE ZipTest Pro2
- Ventilation Exemption for Existing Homes per ASHRAE 62.2 - 2007
- BPI Legacy Building Air Tightness Std per ASHRAE 62.2 - 1989
- Other: _____

Bldg Leakage (Test-In): _____ **CFM50** **Bldg Leakage (Test-Out):** _____ **CFM50**
 _____ **CFM50 / Mech. Ventilation CFM (circle one)**
 Pass Pass w/ Ventilation Recommended
 Fail - Action Required: _____

Combustion Equipment Testing / Combustion Appliance Zone Testing

	Worst Case Test Results			Natural Condition Test Results			Flue Inspection
	Spillage	Draft	CO	Spillage	Draft	CO	
Heating System 1:	Pass Fail	pa	ppm	Pass Fail	pa	ppm	Pass Fail <input type="checkbox"/> Action Required:
Heating System 2:	Pass Fail	pa	ppm	Pass Fail	pa	ppm	Pass Fail <input type="checkbox"/> Action Required:
DHW System 1:	Pass Fail	pa	ppm	Pass Fail	pa	ppm	Pass Fail <input type="checkbox"/> Action Required:
Other:	Pass Fail	pa	ppm	Pass Fail	pa	ppm	Pass Fail <input type="checkbox"/> Action Required:

	CO Ambient	Base Pressure	Worst Case Pressure	Net CAZ Depress.	Limit for CAZ	Result	
	CAZ 1:						
CAZ 2:						Pass Fail	<input type="checkbox"/> Action Required:

Gas Leak Testing: No Leaks Detected Leaks Detected as Noted: _____

Ambient CO: **Kitchen** **Main Living** **Other - ppm**
 _____ _____ _____ Action Required:

Oven CO: **Fuel** **CO ppm** **Vent Out?**
 _____ _____ Yes No Action Required:

Dryer Vent: Electric Gas Properly Vented Gas Improperly Vented. Action Required: _____

Distribution System Air Flow (required if ducts were sealed as part of project) and Leakage Test

Airflow Test Result: _____ Pass Fail **Duct Leakage Test:** Duct Blaster BD Subtract Delta Q Press Pan

If fail, action to be taken: _____ **Duct Test Result** (enter here or attach separate form): _____
 _____ **Pressure Pan Average (Test-In):** _____ **Pressure Pan Average (Test-Out):** _____

Verification of Measures Installed: <input type="checkbox"/> Basement Air Sealing <input type="checkbox"/> Attic Air Sealing <input type="checkbox"/> Basebrd / Molding Air Sealing <input type="checkbox"/> Windows / Doors Air Sealing <input type="checkbox"/> Ext. Wall to Garage Air Sealing <input type="checkbox"/> Attic Flat Insulation <input type="checkbox"/> Attic Slope Insulation <input type="checkbox"/> Attic Kneewall Insulation <input type="checkbox"/> Exterior Wall Insulation	<input type="checkbox"/> Attic Stairs Insulation <input type="checkbox"/> Attic Tent <input type="checkbox"/> Window Replacement / Repair <input type="checkbox"/> Window Film / Solar Screen <input type="checkbox"/> Door Replace / Repair <input type="checkbox"/> Heating System Replace / Repair <input type="checkbox"/> Central Air Conditioner Replace / Repair <input type="checkbox"/> Htg / DHW Flue Replace / Repair <input type="checkbox"/> Air Handler Replace / Repair <input type="checkbox"/> Duct Sealing / Insulation / Replacement	<input type="checkbox"/> DHW System Replace / Repair <input type="checkbox"/> DHW Blanket / Pipe Insulation <input type="checkbox"/> Exhaust Fans - Qty _____ / HRV <input type="checkbox"/> Exhaust Vents Reroute / Insulate <input type="checkbox"/> Attic Vents Qty: _____ <input type="checkbox"/> Appliance: _____ <input type="checkbox"/> Appliance: _____ <input type="checkbox"/> Appliance: _____ <input type="checkbox"/> Lighting: CFL's / Fixt. Qty: _____ <input type="checkbox"/> Renewable Energy Syst: _____	<input type="checkbox"/> Health & Safety: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/> Notes/Items Requiring Follow-Up: _____
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Contractor Statement and Signature:

I attest that all of the information entered above is correct to the best of my knowledge. I agree to complete any items noted above for follow-up corrective action, and will submit an additional Post-Installation Tests and Inspections form that verifies the successful completion of those items and records required follow-up tests or inspections:

Contractor Signature: _____ **Date:** _____

Homeowner Statement

I attest that I am the owner of the property specified above, and that all materials and equipment included my home improvement contract with the above Contractor have been furnished and installed by the Contractor, and that the work has been completed pursuant to the contract.

Homeowner Signature: _____ **Date:** _____



Home Performance with ENERGY STAR Quality Assurance Inspection Form

Contractor _____
Customer Name _____
Customer Address _____

Inspector _____
Date _____

- Pre-Inspection
- Interim
- Post-Inspection

Visual Inspection:

Walk through all areas of the home inside and outside. The client may also be a source of information. Check off any areas of concern related to building performance work. Explain in notes.

- Exterior Moisture Issues
- Interior Moisture Issues
- Mold or Other Biologicals
- Improper Combustible Storage
- Improper Venting of Exhaust
- Structural Issues
- Electrical Issues
- Thermal Performance Issues
- High Utility Bills
- Comfort Issues
- Other _____

Blower Door / Air Sealing:

Conduct a single point blower door test with house under normal wintertime conditions. Verify building area/volume/BAS, only if contractor's reported numbers are in question.

Building Area _____ sq. ft.
Building Volume _____ cu. ft.
BAS (cfm50) _____

Temp (in) _____ Temp (out) _____
House P _____ Fan P _____
CFM50 _____

Pressure Differentials:

Zone _____ Pressure _____ WRT _____
Zone _____ Pressure _____ WRT _____
Zone _____ Pressure _____ WRT _____

Air Sealing

Check off air sealing status for each area note.
Explain conditions in notes.

	Existing OK	Installed OK	Needs Work
Attic By-Passes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attic Top Plates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kneewall Attic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attached Garage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior Penetrations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exterior Penetrations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Windows/Doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Mechanical Ventilation

Verify that mechanical exhaust/supply ventilation is working. Record total fan capacity for home. Note if cfm capacity is nominal or measured.

Existing (cfm) _____
Required (cfm) _____

Heating / DHW Information:

For each heating/DHW appliance: Record fuel, venting, and distribution type. Record additional systems in notes.

Primary Heating System

Fuel: oil NG LP elec _____
Vent: nat ind direct _____
Dist: FWA FHW _____
Temp Rise: _____
Manufacture Rating _____

Secondary Heating System

Fuel: oil NG LP elec _____
Vent: nat ind direct _____
Dist: FWA FHW _____

DHW System

Fuel: oil NG LP elec _____
Vent: nat ind direct _____



CONTRACTOR PARTICIPATION CONTRACT

Entergy's Home Performance with ENERGY STAR® Program

In order to participate in the Home Performance with ENERGY STAR Program ("the Program") sponsored by Entergy Texas (hereinafter "Entergy" or the "Sponsor"), a Contractor (as named and listed at the end of this agreement) must submit this executed Participation Agreement document. The Contractor is participating in the Home Performance with ENERGY STAR Program implemented by ICF Resources, LLC (hereinafter "ICF"). ICF is the program implementer for Entergy.

The Program is designed to improve the health, comfort, safety, durability and energy efficiency of existing one-to-four family residential housing in their service territories. Sponsor has selected the Implementer to implement the Program on its behalf. The objectives of the Program are to enhance the delivery of building performance services that use state-of-the-art diagnostic tools and the principles of building science to reduce energy consumption cost-effectively and safely, while simultaneously addressing building durability issues.

In partnership with the national Home Performance with ENERGY STAR Program sponsored by the United States Environmental Protection Agency ("EPA") and the Department of Energy ("DOE"), Sponsor is offering a comprehensive assistance package to consumers designed to increase awareness of, and demand for, building performance contracting while simultaneously building an infrastructure of trained and certified contractor, home energy raters and consultants to deliver such services.

This Agreement sets out the terms and conditions under which Contractors shall participate in the Program. Under this Agreement, Contractor contract with property owners to provide building performance consulting and/or installation services that are in compliance with Program requirements and standards. The Program, in return, agrees to provide technical and marketing support for Contractor.

This Agreement is completely voluntary and can be terminated at any time for any reason by either Sponsor or the Contractor with prior written notice from the terminating party to the other party.

Obligations of the Program

Services and support that the Program will make available to Contractor include the following benefits:

- Support for training and certification for Contractor's staff conducting Comprehensive Home Energy Audits in existing residential homes as issued by the Building Performance Institute ("BPI") or other relevant certification bodies, as approved by the Program;
- Field mentoring and technical assistance to help Contractor achieve success in the Program by delivering high-quality home performance services;
- Account management assistance in obtaining and using the diagnostic equipment and software required to conduct and report comprehensive home energy audits and home improvements;
- The opportunity to respond to leads generated from a public awareness campaign;
- Exclusive access, on behalf of eligible customers, to the customer incentives offered by Sponsor exclusively for the Program;
- Project-based incentive payments for improving homes with eligible measures;

Entergy reserves the right to make changes to the Program upon notice to the Contractor. Such notification shall be by email, general mail and posting on the Program website.

Obligations of the Contractor

As a Contractor participant for the Home Performance with ENERGY STAR Program, Contractor agrees to the following:

Home Performance with ENERGY STAR® Summary of Energy Improvements Performed



Home Performance Improvements:

Home Address:

Project Work Performed by:

Project Work Verified by:
ICF International

Project Work Started on:

Project Work Completed on:

Home Performance Results Achieved:

Environmental Impact of Improvements:



HOME PERFORMANCE WITH
ENERGY STAR

Home Performance with ENERGY STAR® offers a comprehensive, whole-house approach to home improvement that results in better energy efficiency, greater comfort, and lower energy bills.

ENERGY STAR is a voluntary partnership sponsored by the U.S. EPA and U.S. DOE to protect the environment through superior energy efficiency.

[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)

Service
Areas

With us, you'll have 24-hour service and 24/7

Welcome To Efficient Systems

Our name means just what it says.

Efficient Systems, a family owned and operated business, has serviced Southeast Texas since 1979. We offer maintenance, repair and replacement systems for residential, commercial and industrial clients throughout the greater Beaumont area.

Efficient Systems offer only the best air conditioning, heating, and indoor air quality products. We service all makes and models of heating and air conditioning systems, and offer HVAC system design services for new construction and home remodeling. We also offer commercial refrigeration and kitchen equipment as well as building control systems and industrial dehumidification equipment.

Our technicians are dedicated and conscientious. They receive continual training, are NATE certified and are thoroughly background checked.

Call Efficient Systems today and we'll dispatch our emergency repair technicians or schedule free estimate on new equipment.

What Our Clients Are Saying

Thanks for answering our distress call on 6-20-05. We so appreciate the young service man that came out. He was so nice and answered our questions and explained everything.

- Jimmy G., Evadale, 6-20-05

[View All Testimonials](#)



BBB Rating: A+

[Training & Provider Services](#)[Courses](#)[Trainer Site](#)[ENERGY STAR® Certification](#)

ENERGY STAR® Certification

ENERGY STAR® qualified new homes are at least 15 percent more energy efficient than homes built to the minimum code requirements. Even in states with more rigorous energy codes, the U.S. EPA ensures that ENERGY STAR remains the symbol for truly energy-efficient performance.

As an ENERGY STAR partner, WXR is proud to provide energy efficiency home ratings and on-site verification for homes to earn the ENERGY STAR.

Learn more about ENERGY STAR qualified new homes at <http://www.energystar.gov>.



Member



Builder Benefits