

U.S. DEPARTMENT OF ENERGY

Home Energy Score



Home Energy Scoring Tool

Data Collection Sheet

Location Information

Address: _____ City: _____ State: _____ Zip: _____

Assessment Type: **Initial / Final / QA / Alternative EEM** (Energy Efficiency Measures) / **Test / Corrected**

Assessment Date: _____ Qualified Assessor: _____

Comments: _____

House Information

Year Built: _____ # of Bedrooms: _____ # of Stories Above Grade: _____

Average Ceiling Height (ft): _____ Conditioned Floor Area (sq ft): _____

Direction Faced by Front of House: **N / NE / E / SE / S / SW / W / NW**

Air Tightness

Was a Blower Door test conducted on this house?: **Yes / No**

Air Leakage rate: _____ **cfm50** Has the house been professionally air sealed?: **Yes / No**

Roof

Roof Construction: **Standard Roof / with Radiant Barrier / with Rigid Foam Sheathing**

Exterior Finish: **Composition Shingles or Metal / Wood Shakes / Clay Tile / Concrete Tile / Tar & Gravel**

Insulation Level (applied to roof): **R-0 / R-11 / R-13 / R-15 / R-19 / R-21 / R-27**

Roof Color: **White / Light / Medium / Medium Dark / Dark / Cool Color: _____** (reflectivity)

Attic

Attic or Ceiling Type: **Unconditioned Attic / Conditioned Attic / Cathedral Ceiling**

Attic Floor Insulation: **R-0 / R-3 / R-6 / R-9 / R-11 / R-19 / R-21 / R-25 / R-30 / R-38 / R-44 / R-49 / R-60**

Foundation

Type: **Slab-on-Grade / Unconditioned Basement / Conditioned Basement / Unvented Crawlspace / Vented Crawlspace**

Insulation over Basement or Crawlspace: **R-0 / R-11 / R-13 / R-15 / R-19 / R-21 / R-25 / R-30 / R-38**

Foundation Insulation: **None / R-5 (slab only) / R-11 (bsmt/crawl wall) / R-19 (bsmt/crawl wall)**

Walls

Is this home a Townhouse or Duplex?: **Yes / No**

Position of Unit: **Middle / Left / Right**

Wall Characteristics: **Front or All** (circle one)

Construction: **Wood Frame / Wood Frame with rigid foam sheathing / Wood Frame with Optimum Value Engineering (OVE) / Structural Brick / Concrete Block or Stone / Straw Bale**

Exterior Finish: **Wood Siding, Fiber Cement, Composite Shingle or Masonite Siding / Stucco / Vinyl Siding / Aluminum Siding / Brick Veneer**

Wall Insulation: **R-0 / R-3 / R-7 / R-11 / R-13 / R-15 / R-19 / R-21 / R-27 / R-33 / R-38**

Skylights: Yes or No (circle one):

Total Skylight Area (sq. ft.): _____ Number of Panes: _____

Frame Type: **Aluminum / Aluminum with Thermal Break / Wood or Vinyl**

Glazing Type: **Clear / Tinted / Solar-control low-E / Solar-control low-E, argon gas fill / Insulating low-E / Insulating low-E, argon gas fill**

-OR- Actual window specifications = U-Factor (from 0.01 – 5): _____ SHGC (from 0 – 1): _____

Window Area (sq. ft.):

Front: _____ Back: _____ Right Side: _____ Left Side: _____

Window Characteristics: **Front or All** (circle one)

Panes: **Single-pane / Double-pane / Triple-pane**

Frame Type: **Aluminum / Aluminum with Thermal Break / Wood or Vinyl**

Glazing Type: **Clear / Tinted / Solar-control low-E / Solar-control low-E, argon gas fill / Insulating low-E / Insulating low-E, argon gas fill**

-OR- Actual window specifications = U-Factor (from 0.01 – 5): _____ SHGC (from 0 – 1): _____

Wall Characteristics: Back

Construction: Wood Frame / Wood Frame with Rigid Foam Sheathing / Wood Frame with Optimum Value Engineering (OVE) / Structural Brick / Concrete Block or Stone / Straw Bale

Exterior Finish: Wood Siding, Fiber Cement, Composite Shingle or Masonite Siding / Stucco / Vinyl Siding / Aluminum Siding / Brick Veneer

Wall Insulation: R-0 / R-3 / R-7 / R-11 / R-13 / R-15 / R-19 / R-21 / R-27 / R-33 / R-38

Window Characteristics: Back

Panes: Single-pane / Double-pane / Triple-pane

Frame Type: Aluminum / Aluminum with Thermal Break / Wood or Vinyl

Glazing Type: Clear / Tinted / Solar-control low-E / Solar-control low-E, argon gas fill / Insulating low-E / Insulating low-E, argon gas fill

-OR- Actual window specifications = U-Factor (from 0.01 – 5): _____ SHGC (from 0 – 1): _____

Wall Characteristics: Right Side (facing house)

Construction: Wood Frame / Wood Frame with Rigid Foam Sheathing / Wood Frame with Optimum Value Engineering (OVE) / Structural Brick / Concrete Block or Stone / Straw Bale

Exterior Finish: Wood Siding, Fiber Cement, Composite Shingle or Masonite Siding / Stucco / Vinyl Siding / Aluminum Siding / Brick Veneer

Wall Insulation: R-0 / R-3 / R-7 / R-11 / R-13 / R-15 / R-19 / R-21 / R-27 / R-33 / R-38

Window Characteristics: Right Side (facing house)

Panes: Single-pane / Double-pane / Triple-pane

Frame Type: Aluminum / Aluminum with Thermal Break / Wood or Vinyl

Glazing Type: Clear / Tinted / Solar-control low-E / Solar-control low-E, argon gas fill / Insulating low-E / Insulating low-E, argon gas fill

-OR- Actual window specifications = U-Factor (from 0.01 – 5): _____ SHGC (from 0 – 1): _____

Wall Characteristics: Left Side (facing house)

Construction: Wood Frame / Wood Frame with Rigid Foam Sheathing / Wood Frame with Optimum Value Engineering (OVE) / Structural Brick / Concrete Block or Stone / Straw Bale

Exterior Finish: Wood Siding, Fiber Cement, Composite Shingle or Masonite Siding / Stucco / Vinyl Siding / Aluminum Siding / Brick Veneer

Wall Insulation: R-0 / R-3 / R-7 / R-11 / R-13 / R-15 / R-19 / R-21 / R-27 / R-33 / R-38

Windows Characteristics: Left Side (facing house)

Panes: Single-pane / Double-pane / Triple-pane

Home Energy Score – Data Collection

Frame Type: Aluminum / Aluminum with Thermal Break / Wood or Vinyl

Glazing Type: Clear / Tinted / Solar-control low-E / Solar-control low-E, argon gas fill / Insulating low-E / Insulating low-E, argon gas fill

-OR- Actual window specifications = U-Factor (from 0.01 – 5): _____ SHGC (from 0 – 1): _____

Heating System

Type of Heating System: None / Central gas furnace / Room (through-the-wall) gas furnace / Propane (LPG) furnace / Oil furnace / Electric furnace / Electric heat pump / Electric baseboard heater / Gas boiler / Oil boiler / Ground coupled heat pump / Propane (LPG) Boiler

Heating System Efficiency: Do you know the actual heating system efficiency?: Yes / No (before answering “No”, can you use the Home Energy Score Assessor Calculator to determine the approximate efficiency value?)

Efficiency Value (AFUE or HSPF): _____ **OR** Year Installed: _____

Cooling System:

Type of Cooling System: None / Central air conditioner / Room air conditioner / Electric heat pump / Ground coupled heat pump

Cooling System Efficiency: Do you know the actual cooling system efficiency?: Yes / No (before answering “No”, can you use the Home Energy Score Assessor Calculator to determine the approximate efficiency value?)

Efficiency Value (SEER or EER): _____ **OR** Year Installed: _____

Ducts

Duct Location (#1): Conditioned Space / Unconditioned basement or unvented crawlspace / Vented crawlspace / Unconditioned attic

Percentage of Ducts in this location: _____ Are ducts sealed?: Yes / No Are ducts insulated?: Yes / No

Duct Location (#2): Conditioned Space / Unconditioned basement or unvented crawlspace / Vented crawlspace / Unconditioned attic

Percentage of Ducts in this location: _____ Are ducts sealed?: Yes / No Are ducts insulated?: Yes / No

Duct Location (#3): Conditioned Space / Unconditioned basement or unvented crawlspace / Vented crawlspace / Unconditioned attic

Percentage of Ducts in this location: _____ Are ducts sealed?: Yes / No Are ducts insulated?: Yes / No

Hot Water:

Water Heater Type: Electric storage / Natural gas storage / LPG storage / Oil storage / Electric heat pump / Boiler with tank-less coil / Boiler with indirect tank

Hot Water System Efficiency: Do you know the actual water heater energy factor?: Yes / No (before answering “No”, can you use the Home Energy Score Assessor Calculator to determine the approximate energy factor?)

Assessment Checklist

General Info:

- Year
- # of bedrooms
- Blower door test?
- Professionally air sealed?
- Window specs?

Outside

- House Orientation
- # of stories
- Roof: Predominant exterior finish
 - Color
- Walls: Same type on all sides?
 - Construction type
 - Exterior finish
- Windows: Same on all sides?
 - Panes
 - Frame
 - Glazing

Inside

- Attic
 - Roof Construction
 - Insulation type & amount
 - Air sealed?
 - Air handler present? Type and year
 - Ducts?: Insulated? Sealed?

- Upper Floor
 - Square feet
 - Ceiling Height
 - Skylights?
 - Windows
- Main Floor
 - Square feet
 - Ceiling Height
 - Skylights?
 - Windows
 - Walls & insulation
- Crawlspace - insulation type & amount
 - Ducts?: Insulated? Sealed?
- Basement – Conditioned?
 - Square feet
 - Ceiling Height
 - Windows
 - Walls & insulation
- HVAC Equipment
 - Type?
 - Year or SN?
- Water Heater
 - Type?
 - Year or SN?

Notes:

Window Dimensions:

Front

Back

Right

Left

Layout:

Home Energy Score – Data Collection

Public reporting burden for this collection of information is estimated to average 130 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Records Management Division, IM-23, Paperwork Reduction Project (1910-XXXX), U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC, 20585-1290; and to the Office of Management and Budget (OMB), OIRA, Paperwork Reduction Project (1910-XXXX), Washington, DC 20503.