

U.S. DEPARTMENT OF ENERGY

Home Energy Score



# Home Energy Scoring Tool

## Data Collection Sheet

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### 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

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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.*