U.S. DEPARTMENT OF ENERGY
Home Energy Score

Home Energy Scoring Tool

OMB Control #: 1910-5148
DOE HQ F 413.25
Exp. Date.: 7/31/2023

Data Collection Form

Location Information

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

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

Assessment Date: _____ **Assessor:** _____

Comments: _____

_____

_____

_____

Home Details

Year Built: _____ # of Bedrooms: **1** / **2** / **3** / **4** / **5** / **6** / **7** / **8** / **9** / **10** # of Stories Above Grade: **1** / **2** / **3** / **4**

Average Ceiling Height (ft): **6** / **7** / **8** / **9** / **10** / **11** / **12** 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 / Attic 1 Attic 1 Area (sq ft): _____

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**/ **R-30**

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

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**

Roof / Attic 2 Attic 2 Floor Area (sq ft): _____

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** / **R-30**

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

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 1 Foundation 1 Area (sq ft): _____

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

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

Foundation Wall Insulation: **R-0** / **R-5 (slab only)** / **R-11 (bsmt/crawl wall)** / **R-19 (bsmt/crawl wall)**

Foundation 2 Foundation 2 Area (sq ft): _____

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

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

Foundation Wall Insulation: **R-0** / **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** / **Right** / **Left**

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** / **none**

Wall Insulation: **R-0** / **R-3** / **R-6** / **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: **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 – 5.00): _____ SHGC (from 0.0 – 1.0): _____

Window Area (sq. ft.):

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

Window Characteristics: Front or **All** (circle one) Solar Screens: **Yes** / **No**

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 – 5.00): _____ SHGC (from 0.0 – 1.0): _____

>BACK<

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-6** / **R-7** / **R-11** / **R-13** / **R-15** / **R-19** / **R-21** / **R-27** / **R-33** / **R-38**

Window Characteristics: Back Solar Screens: **Yes** / **No**

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 – 5.00): _____ SHGC (from 0.0 – 1.0): _____

>RIGHT SIDE<

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-6** / **R-7** / **R-11** / **R-13** / **R-15** / **R-19** / **R-21** / **R-27** / **R-33** / **R-38**

Window Characteristics: Right Side (facing house) Solar Screens: **Yes** / **No**

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 – 5.00): _____ SHGC (from 0.0 – 1.0): _____

>LEFT SIDE<

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-6** / **R-7** / **R-11** / **R-13** / **R-15** / **R-19** / **R-21** / **R-27** / **R-33** / **R-38**

Window Characteristics: Left Side (facing house) Solar Screens: **Yes** / **No**

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 – 5.00): _____ SHGC (from 0.0 – 1.0): _____

System 1 % of floor area served: _____

Heating (System 1)

Type of Heating 1 System: **None** / **Central gas furnace** / **Room (through-the-wall) gas furnace** / **Gas boiler** / **Propane (LPG) central furnace** / **Propane (LPG) wall furnace** / **Propane (LPG) boiler** / **Oil furnace** / **Oil Boiler** / **Electric furnace** / **Electric heat pump** / **Electric baseboard heater** / **Ground coupled heat pump** / **Minisplit (ductless) heat pump** / **Electric boiler** / **Wood Stove** / **Pellet Stove**

Heating System 1 Efficiency: Do you know the actual heating system efficiency?: **Yes** / **No***
***You can use the Assessor Calculator to determine the approximate efficiency!

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

Cooling (System 1)

Type of Cooling 1 System: **None** / **Central air conditioner** / **Room air conditioner** / **Electric heat pump** / **Minisplit (ductless) heat pump** / **Ground coupled heat pump** / **Direct evaporative cooling**

Cooling System 1 Efficiency: Do you know the actual cooling system efficiency?: **Yes** / **No***
***You can use the Assessor Calculator to determine the approximate efficiency!

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

Duct (System 1)

Duct Location 1 (#1): **Conditioned Space** / **Unconditioned basement** / **Vented crawlspace** / **Unvented crawlspace** / **Unconditioned attic**

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

Duct Location 1 (#2): **Conditioned Space** / **Unconditioned basement** / **Vented crawlspace** / **Unvented crawlspace** / **Unconditioned attic**

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

Duct Location 1 (#3): **Conditioned Space** / **Unconditioned basement** / **Vented crawlspace** / **Unvented crawlspace** / **Unconditioned attic**

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

System 2 % of floor area served: _____

Heating (System 2)

Type of Heating 2 System: **None** / **Central gas furnace** / **Room (through-the-wall) gas furnace** / **Gas boiler** / **Propane (LPG) central furnace** / **Propane (LPG) wall furnace** / **Propane (LPG) boiler** / **Oil furnace** / **Oil Boiler** / **Electric furnace** / **Electric heat pump** / **Electric baseboard heater** / **Ground coupled heat pump** / **Minisplit (ductless) heat pump** / **Electric boiler** / **Wood Stove** / **Pellet Stove**

Heating System 2 Efficiency: Do you know the actual heating system efficiency?: **Yes** / **No***
***You can use the Assessor Calculator to determine the approximate efficiency!

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

Cooling (System 2)

Type of Cooling 2 System: **None** / **Central air conditioner** / **Room air conditioner** / **Electric heat pump** / **Minisplit (ductless) heat pump** / **Ground coupled heat pump** / **Direct evaporative cooling**

Cooling System 2 Efficiency: Do you know the actual cooling system efficiency?: **Yes** / **No***
***You can use the Assessor Calculator to determine the approximate efficiency!

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

Duct (System 2)

Duct Location 2 (#1): **Conditioned Space** / **Unconditioned basement** / **Vented crawlspace** / **Unvented crawlspace** / **Unconditioned attic**

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

Duct Location 2 (#2): **Conditioned Space** / **Unconditioned basement** / **Vented crawlspace** / **Unvented crawlspace** / **Unconditioned attic**

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

Duct Location 2 (#3): **Conditioned Space** / **Unconditioned basement** / **Vented crawlspace** / **Unvented 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 Instantaneous** / **Gas Instantaneous** / **Propane Instantaneous** / **Electric Heat Pump**

Hot Water System Efficiency: Do you know the actual water heater energy factor?: **Yes (EF)** / **Yes (UEF)** / **No***
***You can use the Assessor Calculator to determine the approximate energy factor (EF)!

Energy Factor (between 0.0 – 1.0): _____ **OR** Year Installed: _____

Photovoltaic (PV) System

Year Installed: _____ Direction Panels Face: **N** / **NE** / **E** / **SE** / **S** / **SW** / **W** / **NW**

# of Panels: _____ **or** DC Capacity: _____

Notes:

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?
- ☐ PV
  - ☐ Age
  - ☐ Orientation
  - ☐ # of Panels or Capacity

Window Dimensions:

Front		Back		Right		Left	

Layout:

Paperwork Reduction Act Burden Disclosure Statement

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