



# Home Energy Scoring Tool

## 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

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**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)

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**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)

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## **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): \_\_\_\_\_

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**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

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**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

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**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: \_\_\_\_\_

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**Photovoltaic (PV) System**

Year Installed: \_\_\_\_\_

Direction Panels Face: N / NE / E / SE / S / SW / W / NW

# of Panels: \_\_\_\_\_ or DC Capacity: \_\_\_\_\_

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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:

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