

# DOE Zero Energy Ready Home Case Study Form

**Builder:**

**Company Phone:**

**URL:**

**Builder Contact:**

**Rater:**

## FEATURED HOME/DEVELOPMENT:

### Project Data:

- **Name of project (if applicable):** \_\_\_\_\_
- **Location:**
- **Layout:** \_\_\_ bedrooms, \_\_\_ baths, \_\_\_ floors
- **Conditioned Space:** \_\_\_ ft<sup>2</sup>
- **Completion:**
- **Cimate Zone:**
- **Category:**

### Performance Data:

- HERS Index without solar PV: \_\_\_
- HERS Index with solar PV: \_\_\_

### Modeled Cost Data:

- Builders added cost over standard to code construction (specify 2006 IECC or 2009 IECC) \$ \_\_\_\_\_
- Projected total annual energy cost savings (compared to a similar house built to the 2006 IECC): with solar PV \$ \_\_\_\_\_, without solar PV \$ \_\_\_\_\_
- Projected annual utility costs: without solar PV \$ \_\_\_\_\_, with solar PV \$ \_\_\_\_\_
- Annual PV production revenue: \$ \_\_\_\_\_
- Annual energy savings (in MBtus or therms or kWhs):  
without solar PV: Electric: \_\_\_\_\_ kWh;  
with solar PV: \_\_\_\_\_

## KEY FEATURES

- **DOE Zero Energy Ready Home Compliance Path:**
- **Walls:** wall construction type? Any advanced framing details? Insulation type? Amount, R-value? What kind of house wrap? What kind of drainage plane? What kind of siding?
- **Roof:** type? Cool roof?
- **Attic:** insulation type? Where located? Amount? R value?
- **Foundation:** What kind of foundation? Crawl? Slab? Basement? insulation type and R value, where located?

- **Windows:** \_\_\_-pane, argon-filled?, fiberglass-framed?, Low-e windows with U-\_\_\_ and \_\_\_ SHGC.
- **Air Sealing:** \_\_\_ ACH 50
- **Ventilation:** heat recovery ventilator? (with independent duct system?) with MERV \_\_\_? filter, ASHRAE 62.2? timered exhaust fans?
- **HVAC:** \_\_\_ AFUE Furnace, \_\_\_ SEER Air Conditioning (ducts? Where? In cond space? Insulated to?)
- **Hot water:** \_\_\_
- **Lighting:** \_\_\_% LED?, \_\_\_% CFL?. (Any motion sensors?) ENERGY STAR ceiling fans?
- **Appliances:** ENERGY STAR appliances (dishwasher? Clothes washer? Frig?\_)
- **Solar:** \_\_\_ kW PV, \_\_\_ water heating system? Solar ready?
- **Water Conservation Features:**
- **EPA WaterSense fixtures:** all or which ones?
- **eMonitor management system: ?**
- **Other:** (green practices)
- **Electric car charging station:** \_\_\_ (have one?)
- **Other Features?**

DOE Zero Energy Ready HOME CERTIFIED:

**Home Certifications/Awards:**

- DOE Zero Energy Ready Home
- ENERGY STAR Version 3
- Other?

Other: (management, training)

**Marketing/Consumer Education:** sales data comparisons to standard construction? Tours? Articles? Homeowners manual?

Please provide 5 or more high-res (.5 to 2 mb) photos of the home, including some nice finished home photos both interior and exterior and some of the home under construction, especially showing any unique energy-efficiency features, with at least one good finished front exterior shot.

Please provide a floor plan.

Is there a homeowner in the house?

Would they be willing to provide a testimonial, a paragraph or so answering questions like Why they like their house? What benefits do they see to owning a DOE Zero Energy Ready Home? Would they recommend a DOE Zero Energy Ready Home to other homebuyers?