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: ____ft2
- 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?

Public reporting burden for this collection of information is estimated to average 3.5 hours 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.