Osprey Eco Cottage Statistics
510 square feet, 1 bedroom, 1 bath

Energy-Efficient and High Performance Features
- ENERGY STAR®, Low E windows (U=0.29, SHGC=0.19)
- R=21 walls, R=19 floors, R=50 ceilings
- 15.5 SEER / 8.5 HSPF variable frequency drive, duct less HVAC
- ENERGY STAR® appliances
- Tankless water heater
- Extensive use of controlled compact fluorescent & LED lighting
- Expected to meet Builders’ Challenge Standards with an EnergySmart Home Scale™ (E-Scale) = 68

Indoor Air Quality & Noise Reduction Features
- VOC source control including zero VOC paint
- Outside air ventilation
- Ductless HVAC system
- Air filtration and cleaning system
- Central vacuum system

Other Green Building Features and Certifications
- Low flow faucets & showerheads with supply “runs” no more than 20 feet
- Termite & weather resistant siding
- Resource efficient modular construction & construction waste management
- Expected to meet Bronze level in all sections except lot design, preparation and development per the NAHB National Green Home Building program
- PV & Solar Hot Water “ready”
- “Growable” (modules can be added for growing family)
- Builder is Building America Partner and Builders Challenge Participant
**Showcasing High Performance Construction at International Builders’ Show**

Participating in the Show Village at the NAHB’s International Builders’ Show for the 6th year in a row, Nationwide Homes is a leading builder of high performance modular homes for single family or multi-family residences, commercial structures and remodeling additions; with a reputation for high quality, design flexibility, and innovative marketing.

Every home built by Nationwide Homes is NAHB Green and ENERGY STAR* "ready," which means if the site pre-requisites are met the home will qualify for NAHB’s Green Standard/Guidelines. The NAHB Research Center is a Builders’ Challenge Partner.

Based on this existing partnership, new single-family homes that are certified Silver, Gold, or Emerald to the Standard can be concurrently certified to the U.S. Department of Energy’s (DOE’s) Builders Challenge.

### Contact Information

**Building America Program**

George S. James • New Construction • 202-586-9472 • fax: 202-586-8134 • e-mail: George.James@ee.doe.gov

**Building America Industrialized Housing Partnership (BAIHP)**

Subrato Chandra • Florida Solar Energy Center • 1679 Clearlake Road • Cocoa, FL 32922 • 321-638-1412 • fax: 321-638-1439 • e-mail: subrato@fsec.ucf.edu • www.baihp.org • IHP provided technical and on-site support

**Nationwide Homes**

Don Aheron • 1100 Rives Road • P.O. Box 5511Martinsville, VA 24115 – p:(800) 216-7001 Fax: (276) 666-2537 – e-mail: daheron@nationwidecustomhomes.com • http://www.nationwide-homes.com/

**Calcs-Plus**

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**U.S. Department of Energy Builders Challenge**

![EnergySmart Home Scale](image)

- **Estimated annual energy usage:** Electric (kWh): 5843
- **Estimated monthly energy costs:** $49

**Meets The Builders Challenge**

- **Your Home:** 68

**Net Zero Energy Home**

To learn more about the Builders Challenge and find tools to help market your homes, visit www.buildingamerica.gov/challenge.

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For information on Building America visit [www.buildingamerica.gov](http://www.buildingamerica.gov). The website contains expanded case studies, technical reports, and best practices guides.