

Presentation Profiles - Green Remodeling and Construction Quality

Mr. Doug Horgan

Vice President of Best Practices, BOWA Builders

Drawing on his 20 years experience in residential remodeling, Doug Horgan is recognized as one of the area's foremost authorities on green remodeling and construction quality.

As BOWA Builders' Vice President of Best Practices, Doug combines his enthusiasm for great building and extensive knowledge of construction, into a hybrid research, training and quality-control position. In this role, Doug champions BOWA's standard of excellence, the benefits of which are seen on each and every one of the company's projects.



An active participant in the industry's dialogue on green remodeling and construction quality, Doug is a member of the DC AIA Committee on the Environment and one

of the first residential construction professionals in the country to acquire the new LEED AP Homes credential. Doug is an NAHB Certified Graduate Remodeler, and was the first person in the Washington area to achieve the NAHB's Certified Green Professional designation. He also carries certifications from the Building Performance Institute, is a NARI Green Certified Professional, and was an instructor for the NARI Green Remodeling class.

Doug has parlayed his experience in and passion for green building and construction quality into speaking opportunities with homeowner and industry groups throughout the area. Recent engagements include, the DC AIA Committee on the Environment, the Virginia Sustainable Building Network, Northern Virginia Community College, Avenel Homeowner's Association, Great Falls residents and others.

Available Topics

Green Remodeling

1 hr.

In an informative one-hour discussion, aimed at home owners considering green renovations, we cover:

- Tools like REGREEN and ENERGY STAR Home Advisor that help you evaluate your home and prioritize improvements
- How a Home Energy Audit works and what type of results to expect
- Typical energy upgrades that are good for the environment and your wallet
- Rebates, tax credits and other incentives
- Other facets of Green: indoor air quality, reducing damage to the Chesapeake Bay ecosystem, "deconstruction"

Planning Green Renovations

35 mins.

This presentation covers planning tools for home owners:

- Using free resources like REGREEN and the ENERGY STAR Home Advisor to help plan renovation projects
- How a Home Energy Audit works and what type of results to expect
- Typical energy upgrades that are good for the environment and your wallet
- Rebates, tax credits and other incentives

Green Remodeling—Short Version

20 mins.

Designed for realtors, business groups, and similar venues where 20 minutes is appropriate. Gives a flavor of green renovation techniques and priorities:

- How a Home Energy Audit works and what type of results to expect
- Typical energy upgrades that are good for the environment and your wallet
- Rebates, tax credits and other incentives
- Other facets of Green: indoor air quality, reducing damage to the Chesapeake Bay ecosystem, "deconstruction"



Energy Priorities

40 mins.

This presentation is on reducing energy use, using energy efficiently, and employing renewable technology like solar panels or wind generators.

- How fixing existing homes typically saves more energy faster than any other tactic
- Efficient HVAC and hot water systems including geothermal
- Viability of solar, wind, and other renewables in the Mid-Atlantic area

LEED for Homes

40 mins.

An introduction to the LEED for Homes certification program. Both the mechanics of certification and a quick overview of the prerequisites and point opportunities.

- The Provider model and how it differs from other LEED systems
- Tools & education available from USGBC and others
- The seven points categories, their prerequisites and where other points can be achieved

ENERGY STAR Qualified New Homes

1 hr.

An introduction to ENERGY STAR New Homes.

- The Performance Path and the Prescriptive Path
- HERS ratings: what they are, how they work
- The Thermal Bypass Checklist (TBC)
- Key lessons on framing & insulation to pass the TBC

Key Trades

1 hr.

One-hour overviews of quality construction planning and detailing, taken from BOWA in-house training classes. Available for the following trades:

- Roofing
- Basement Waterproofing
- Masonry Water Management
- Insulation
- Plumbing
- Electrical

Customized Presentations

We would be happy to customize a presentation on these or other green or construction quality topics to meet the specific needs of your audience, agenda and time allotment.

Details and Contact Information

- We will travel to your location in Northern Virginia, Washington, DC or Montgomery County MD.
- We can use our own projector, screen and laptop or arrange to use yours if you prefer.
- For additional information, contact Doug Horgan at (703) 873-8009 or doug@bowa.com

Comments from Recent Presentation Attendees

“Great speech! Everyone seemed to receive it well and learn a lot. Thanks again for agreeing to join us!!!”

Cheryl Anne Ash
eCycle Green Collective

“Doug is a really good person to put in front of a crowd with that kind of info to convey. I enjoyed his talk.”

Anne Dutcher
Anne Dutcher Interiors

“Your presentation was very good, it was informative and exactly what we were looking for.”

Vimal Kapoor
President, Mid-Atlantic Chapter
American Society of Home Inspectors

“I really enjoyed your presentation! I learned a lot and was entertained in the process. Hopefully we will see you out here again.”

Nathan Webb, AIA, LEED a.p.
Reader & Swartz Architects, P.C.