

For over 20 years, Sagatov Associates Inc. has grown by always staying one step ahead of the typical new home builder. In the past few years, lead designer & president, Lou Sagatov, has embraced the need to change how his business affects the environment and the quality of life of his clients. With that said, his focus has been redirected to building green homes, and he has chosen to take part in Arlington County's Green Home Choice program. Lou's visionary designs are now coupled with environmentally friendly building materials and Energy Star products, giving the consumer a healthier life and energy savings for the future.

Lou Sagatov formed Sagatov Associates, Inc. (SAI) in January 1985 and is still the lead designer of the firm. At SAI, they pride themselves on their ability to solve complex design problems, complete their work on or before schedule, and exceed standards of quality workmanship. They believe in doing things right the first time without compromising quality. SAI is a Design-Build firm – custom building your dreams. Their designers work with you from the initial rough sketches of your ideas to the final detailed drawings and elevations. Once the design is finalized, SAI obtains all permits and keeps your construction in compliance with building ordinances at all times. They want to make your vision a reality – a reality that fulfills the best of form and function.

What is the  
difference  
between a  
typical new  
home and a  
Sagatov  
Associates  
Green Home?

*Sagatov*  
ASSOCIATES, INC.

420 Maple Avenue East, Vienna VA 22180  
703-242-8500 phone • 703-242-8066 fax  
[www.sagatovhomes.com](http://www.sagatovhomes.com)



Notes from the U.S. Environmental Protection Agency Energy Star and Indoor Air Package

EPA Energy Star:

“Energy Star promotes energy-efficient homes that can improve home quality and homeowner comfort, lower energy demand, and reduce air pollution. Energy Star qualified homes are third-party verified to be significantly more energy efficient than homes built to code.\*

Savings are typically achieved through a combination of envelope upgrades, high performance windows, controlled air infiltration, upgraded heating and air conditioning systems, tight duct systems, upgraded water-heating equipment, and efficient lighting and appliances.”

EPA Energy Star Indoor Air Package (IAP):

“Energy Star IAP program is designed to contribute to improved air quality in new homes compared to standard code-built homes. However, these measures alone will not guarantee that the homebuyers will not experience air quality problems in their homes. Rather, the IAP should be viewed as a way to reduce the likelihood of experiencing such problems.”

The Energy Star IAP is currently a pilot program.

\*Please visit the Energy Star website at [www.energystar.gov](http://www.energystar.gov) for information on current Energy Star guidelines.

### ENERGY EFFICIENCY

	Typical New Home	Sagatov <b>Green</b> Home
Certified EPA-Energy Star Home	No	Yes
Certified EPA-Indoor Air Package	No	Yes
Designed Energy Efficiency of Home	Built to Code	30% Above Code
Air Seal	No	Yes
Insulation - Better than Code?	No	Yes
High Performance Windows	No	Yes
High Performance HVAC units	No	Yes
Mastic & Test Ductwork	No	Yes
Energy Star Appliances	Maybe	Yes

### EFFICIENT USE OF MATERIALS AND WASTE MANAGEMENT

Panelized Walls	No	Yes
Limit Wood Waste on Site	No	Yes
Advanced Framing Techniques	No	Yes
Engineered wood	Maybe	Yes
Engineered trusses	Yes	Yes
Engineered exterior trim	No	Yes

### WATER CONSERVATION & REUSE

Dual flush toilets	No	Yes
High efficiency faucets	No	Yes
Hot water re-circulation system	No	Yes
Energy Star washing machine	No	Yes

### HEALTHFUL LIVING ENVIRONMENT

Mechanical Ventilation System (ERV)	No	Yes
92% Furnace	No	Yes
Variable Speed Heat Pump	No	Yes
Multiple Return Air (Min. 1 per Bedroom)	No	Yes
Merv 8 or better Air Filter in Filter Box	No	Yes
Power Vent Hot Water Heater	Maybe	Yes
Carpets Qualified for CRI Green label Plus	No	Yes
High Performance Windows (Low-E)	No	Yes
Moisture Controls (Exterior and Interior)	No	Yes
Radon Venting	No	Yes
CO Sensors	No	Yes
Ample Natural Lighting	Maybe	Yes
Direct Vent Fireplace(s)	No	Yes

### DURABILITY – ATTRACTIVE LOOKING AND LONG LASTING

Roofing – 50 year life cycle	No	Yes
No. 30 roof felt	No	Yes
Siding/cladding – 40 year life cycle	Maybe	Yes
Continuous Drainage Plane behind Siding/cladding	No	Yes
Clad Doors and Windows	Maybe	Yes
Advanced Building Techniques (ABT)	No	Yes
ABT – Control Water?	No	Yes
Test and Commission HVAC Systems	No	Yes
Surface Water Management	No	Yes