



BURN SMART™

## The Lennox Burn Smart Guide

Smart choices for practicing eco-responsible burning

**LENNOX**

HEARTH PRODUCTS



### **Burn Smart Tip #1**

*Keeping your chimney clean provides a good draft, reducing the likelihood for dangerous gases to build up inside the home during fireplace operation.*

## **Changing the way we burn can help change our impact on the environment.**

Advancements in hearth technology at Lennox Hearth Products (LHP) have produced a variety of options that allow you to burn cleaner and more efficiently than ever before. At Lennox, we call these Burn Smart™ products. With Burn Smart fireplaces and stoves, you can be confident you are doing your part to burn smarter and more responsibly at home for the good of your environment.

### **Burn Smart defined**

Lennox has identified a select group of products that will help eco-inclined customers make buying decisions that better reflect their approach to responsible living. To qualify as an LHP Burn Smart product, it must fit within the following criteria:



**BURN SMART™**

**1. Third-Party Eligible** – An LHP Burn Smart product must fit within *at least one* of the following third-party guidelines:

- 🌿 LEED
- 🌿 NAHB Green Building Standard and Guidelines
- 🌿 EPA
- 🌿 ENERGY STAR® Indoor Air Package

**2. High Fuel Efficiency** – An LHP Burn Smart product must demonstrate high fuel efficiency.

**3. Clean-Burning** – An LHP Burn Smart product must have low emissions.

To see which Burn Smart products qualify for specific third-party guidelines, visit [lennoxhearthproducts.com/burnsmart](http://lennoxhearthproducts.com/burnsmart).



### **Burn Smart Tip #2**

*Zone heating—the practice of heating only the rooms in your home that are in use—can save you hundreds of dollars in energy costs each year. These areas can be heated using a stove or fireplace.*



### **Burn Smart Tip #3**

*Today's gas-burning fireplaces can have the same efficiency ratings as central furnaces. Inquire about the efficiency rating to find an energy-friendly model for your home.*

## **Leadership in Energy and Environmental Design (LEED)**

Developed by the U.S. Green Building Council, the LEED Green Building Rating System™ provides a third-party certification program for sustainable building. It is a nationally accepted benchmark for the design, construction and operation of high-performance green buildings.



- ❖ LEED has established a point system by which building design and construction can be rated to establish “best” practices.
- ❖ Fireplaces appear in the LEED system under the category of Indoor Environmental Quality (EQ).
- ❖ Fireplaces that conform to the requirements of this category are considered to be contributing to the overall “green” rating of the home.
- ❖ Fireplaces are mentioned in the section called **EQ 2–Combustion Venting**.
- ❖ This section awards a **maximum of two points** to the builder of the home toward an overall rating for meeting the requirements of this section.
- ❖ The intent of this section is to “minimize the leakage of combustion gases into the occupied space of the home.”



### **Burn Smart Tip #5**

*Keeping the fireplace damper closed when the fireplace is not in use prevents up to 8% of heated air from going up the chimney.*

## **National Association of Home Builders® (NAHB) Green Building Standard and Guidelines**

The NAHB offers two important tools for builders: the NAHB Model Green Home Building Guidelines and the new NAHB Green Building Standard that has gained the recognition of ANSI (American National Standards Institute). These tools for home building, remodeling and renovation allow builders to choose the program that best meets their needs. Both programs provide comprehensive resources for builders looking to implement green building practices.

- 🌿 Similar to LEED, the NAHB uses a point system to determine green best practices. Points are allotted for hearth products that comply. Among others, these include direct-vent, sealed combustion gas fireplaces, sealed wood fireplaces and sealed wood stoves.
- 🌿 There are four different levels of green building available to builders wishing to use the green building standard to rate their projects: Bronze, Silver, Gold and Emerald. At all levels, there is a minimum number of points required.
- 🌿 In the NAHB Green Building Guidelines, fireplaces are covered under **(Section 5.1.3 Minimize Potential Sources of Pollutants)**.
- 🌿 In the NAHB Green Building Standard, hearth products are included in **(Chapter 9, Section 901.2 Fireplaces and Fuel Burning Appliances)**.





### **Burn Smart Tip #6**

*Properly dried hardwoods—hickory, oak, maple or ash—are the most efficient fuel for a wood-burning stove or fireplace.*

## **EPA Certification**

The U.S. Environmental Protection Agency sets standards for air quality—including limits on the amount of particulate matter (microscopic particles) emitted by fireplaces and stoves. All wood stoves and fireplace inserts manufactured and sold today in the United States are required to be certified by the EPA.

- ✦ All stoves must prove emissions of less than 7.5 grams of particulates per hour (compared to the 42 grams of particulates per hour from wood-burners manufactured in the 1970s and 1980s).
- ✦ All EPA-certified wood stoves and fireplace inserts have a permanent label on the back that bears the name of the United States Environmental Protection Agency.
- ✦ In some areas, local jurisdictions have requirements and additional restrictions about the types of hearth products that can be installed.
- ✦ Some pellet-burning stoves and fireplace inserts are exempt from EPA certification; however, our Lennox and Country™ Collection lines contain EPA-certified models.

## **ENERGY STAR® Indoor Air Package**

Created by the Environmental Protection Agency, the ENERGY STAR Indoor Air Package (IAP) helps builders meet an increasing demand for homes with improved indoor air quality and energy efficiency. These guidelines detail the EPA's stringent specifications and help progressive builders and homeowners construct ecologically conscious buildings and homes.


ENERGY STAR Indoor Air Package guidelines were developed based on the best available science and information about risks associated with indoor air quality problems, and balanced with practical issues of cost, builder production process compatibility and enforceability.

- ✦ Fireplaces appear in the IAP guidelines under the category of Combustion Appliances.
- ✦ Fireplaces are covered under **Section 5.3 of the IAP Specification guidelines**.
- ✦ This section serves to educate consumers and builders about emissions requirements from various agencies and minimizing the risk of unhealthy internal air quality.
- ✦ This section also includes detailed information about fireplace venting options for “minimizing the potential for spillage or ‘backdrafting’” by complying with specific design specifications.



## Burn Smart product listings

The following Lennox products achieve the environmental goals we've set out and each is designated a Burn Smart product.

 This symbol identifies all Burn Smart products.



### Wood-Burning Fireplaces

Brentwood™  
Brentwood LV  
Villa Vista™  
Montecito™  
Montecito Estate™  
Ladera™

### Wood-Burning Stoves

Striker™ S160  
Performer™ SS210  
Performer ST210  
Grandview™ 230  
Legacy™ S260  
Canyon™ ST310

### Wood-Burning Inserts

Striker C160  
Performer C210  
Legacy C260  
Elite™ E260  
Canyon C310



### Direct-Vent Gas-Burning Fireplaces

Adagio™  
Ravelle™ 30  
Ravelle 42  
Rhapsody™  
Montebello® LSM40-2  
Montebello LSM45-2  
Montebello LSM40ST  
Spectra™ LSS-35  
Spectra LSS-40  
Symmetry™-35  
Symmetry-40  
Symmetry-45  
EDV3530

EDV4035  
EDV4540  
EDVST  
EDVVPF  
EDVCR/  
EDVCL  
ELDV-35  
ELDV-40  
ELDV-45  
MLDVT-30  
MLDVT-35  
MLDVT-40  
MLDVT-45

MLDVTCD-35  
MPD3328  
MPD3530  
MPD4035  
MPD4540  
MPD35PF  
MPD35ST  
SSDVST  
SSDVPF  
SLDVT-30  
SLDVT-35  
SLDVT-40  
SLDVT-45

### Gas-Burning Stoves

Vintage™  
Vision™  
Epic™  
Serefina™

### Gas-Burning Inserts

Shoreline™  
Ravenna™  
Medina™  
SDVI



### Pellet-Burning Stoves

Winslow™ PS40\*  
Cascade®  
Montage™\*  
Bella™\*

### Pellet-Burning Inserts

Winslow PI40\*

\*EPA-certified



**HEARTH PRODUCTS**

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This information is for reference only. Always consult and follow local codes in your area. For more information about LEED, NAHB Green Building Standard and Guidelines, EPA or ENERGY STAR® Indoor Air Package, please reference:  
<http://www.greenhomeguide.com>  
<http://www.nahbgreen.org>  
<http://www.epa.gov/woodstoves/basic.html>  
[http://www.energystar.gov/index.cfm?c=bldrs\\_lenders\\_raters.pt\\_bldr](http://www.energystar.gov/index.cfm?c=bldrs_lenders_raters.pt_bldr)