



# GREEN GLOSSARY

## Lennar is proud to introduce The PowerSmart<sup>SM</sup> Home.

It's the next generation of green living with an impressive Home Energy Rating System score (HERS) as defined by the Department of Energy. Each Lennar PowerSmart<sup>SM</sup> home is individually rated, inspected and tested by an independent third-party Engineering firm, to ensure your home is operating at its optimum energy efficiency.

### ENERGY EFFICIENCY

**Individual HERS Score** Every PowerSmart<sup>SM</sup> Home by Lennar has a score that exceeds the International Energy Conservation Code (IECC), as well as Energy Star Standards.

**Tight Construction** Special framing techniques such as a continuous air barriers and sealing of penetrations help eliminate external leaks and drafts.

**Improved Thermal Systems** Enhanced insulation techniques help to minimize voids and gaps, and higher thermal properties (R-value) add to energy efficiency. Lennar PowerSmart<sup>SM</sup> homes use R-16 in most applications.

**Radiant Barrier Roof Decking** Blocks 97% of radiant solar heat from entering the attic, reducing attic temperatures by up to 30 degrees. Saves up to 17% of air conditioning costs over conventional roof sheathing.

**R-3 Foam Sheathing** Properly installed R-3 sheathing on the exterior of the home, with sealed joints, provides a weather-resistant barrier that keeps moisture out, and reduces thermal bridging through the studs and other framing material, enhancing the function of the insulation package and making the wall a total of R-16.

**366 Lo-E<sup>3</sup> Windows with VINYL frames** 3 Layers of silver blocks 95% of UV rays, allows 66% light penetration and reduces window heat gain by 64% compared to ordinary glass, without reduction in visibility.

**Passive Attic Ventilation** Continuous soffit vents and adequate roof venting provide proper even ventilation across the entire attic area, helping to keep the attic cooler.

**Right-sized HVAC** "Right-sized" heating and cooling systems and sealed air ducts help equipment work more efficiently.

**Minimum 14 SEER HVAC** A higher Seasonal Energy Efficiency Rating equates to a more efficient system. PowerSmart<sup>SM</sup> homes are equipped with a minimum of 14 SEER HVAC equipment.

**25° Differential AC systems** Designed for a 25 degree differential means the home is designed to reach 75 degrees on a 100 degree day.

**Energy Efficient Lighting** Compact fluorescent bulbs are installed in all recessed can lights.

**Energy Efficient Appliances** ENERGY STAR® labeled appliances such as refrigerators, clothes washers, dishwashers and efficient water heaters help conserve energy.

**Energy Star Certified Home** Every PowerSmart<sup>SM</sup> home is inspected to insure that air barriers and insulation packages are installed correctly and insure that duct leakage, exterior walls and other enclosures meet all requirements of the Energy Star Program.

### DURABILITY & SUSTAINABILITY

**PowerSmart<sup>SM</sup> Homes are Green Built Home** All PowerSmart<sup>SM</sup> homes meet the requirements of the EPA Energy Star program and the National Green Building Standard, NAHB/ANSI 700.

**Engineered Framing** Each home is engineered from foundation, to frame, to energy efficiency systems.

**Engineered Lumber & Floor Systems** Engineered wood reduces the amount of lumber used in the home and reduces the impact on the environment.

**Cementitious Exterior Siding & Trim** Made of durable fiber-cement to increase the lifespan of the home, reduce decay and reduce the impact on the environment.

## INDOOR ENVIRONMENTAL QUALITY

**Outside Fresh Air Ventilation** Electronically controlled fresh air ventilation systems deliver measured quantities of filtered fresh air to help reduce dust, odors and indoor contaminants for improved indoor air quality.

**Dedicated Exhaust Systems** All kitchen vent hoods, utility rooms, separate bathroom toilet and bath/shower area vents are designed to exhaust warm humid air to the exterior of the home. This assists in removing moisture and odor-laden air to the exterior of the home.

**Programmable Thermostat** Allows the ability to set the temperature according to your schedule, so that the air conditioning or furnace doesn't run when it's not needed.

**Internal Moisture Management** Air flow measurement, pressure balancing, fresh air ventilation and "right-sized" HVAC equipment work to reduce moisture in multiple ways, enhancing comfort.

**Air Pressure Balancing** The use of dedicated returns in master bedrooms and Return Air Pathways (RAP) in secondary bedrooms create balanced air pressure throughout the home which results in more even temperatures to enhance comfort.

**Combustion Safety** Water heaters feature C3 Technology™ that protect against accidental ignition of flammable vapors like gasoline. Green Choice gas burners produce 33% less NOx (Nitrogen Oxides) emissions than standard gas burners. This helps the environment by reducing the contribution to smog and acid rain.

**Carbon Monoxide Detectors** CO detectors are installed in all homes to meet or exceed the rate required by the National Green Building Standard creating a safer environment for your family.

**Minimum MERV 10 Honeywell Media Filter** **Minimum Efficiency Reporting Value.** The higher the number, the better the filter performance. Typical fiberglass filters have a rating of MERV 1-5. This filter is 4 times as effective and 85% more efficient than a standard one inch filter in filtering out allergens and dust.

**Carpet** Carpets carrying the Carpet Rug and Institute (CRI) Green Label® for low VOC emissions strictly limit substances that off-gas into the environment.

## WATER EFFICIENCY

**Low-Flow Faucets** Lavatory faucets that conserve water help reduce overall internal household water consumption, and meet or exceed EPA WaterSense program requirements.

**Energy Efficient Gas Water Heaters** provide you with an efficient and reliable source of hot water.

**High-Efficiency Dishwashers** ENERGY STAR® rated dishwashers use less water and add to overall household water savings.

**Efficient Toilets** Water efficient toilets that meet specific performance criteria help reduce water use in the home.

**Zoned Irrigation\*** While not available in every community, where offered, systems are designed to water only those areas that require water using the proper heads in each zone for water distribution at a rate necessary for that area's needs. Each system is equipped with a rain-sensor to avoid watering unnecessarily in order to conserve water use.



**LENNAR.COM**