



GREEN BRICK
PARTNERS



ENVIRONMENTAL IMPACT REPORT

2023

At Green Brick Partners, we are dedicated to more than just building homes—we are creating thriving communities where people truly want to live. We believe that sustainability is the foundation of constructing homes and communities with lasting value. Understanding the deep connection between the two, our subsidiary builders are committed to building homes that are both sustainable and responsible.

In addition to crafting enduring homes using high-quality materials, we focus on incorporating a variety of energy-efficient features designed to save our homeowners money, promote healthier living environments, and reduce environmental impact. Through strategic partnerships with leading manufacturers of innovative products, we aim to build homes that not only stand the test of time but also provide financial benefits for many years to come.

A selection of the energy-conscious features integrated into many of our homes include:

ENERGY STAR® CERTIFIED HOME

The Energy Star® label provides peace of mind by ensuring a home has undergone thorough inspections, testing, and verification to meet the strict requirements set by the U.S. Environmental Protection Agency (EPA). The best-in-class energy-efficient features in our homes offer better quality, enhanced comfort, and increased durability. This standard ensures our homes are designed and built to standards well above those of most homes on the market today. Energy Star® certifications not only reduce utility bills and conserve energy but also add to the resale value of a home.

ENERGY-EFFICIENT APPLIANCES & EQUIPMENT

Appliances and building-related equipment account for almost all the energy used in buildings, making households significant contributors to greenhouse gas emissions. Our energy-efficient appliances help homebuyers save on operating costs by reducing energy use without sacrificing performance or design. These appliances, included at no additional cost in many homes, conserve water, significantly reduce greenhouse gas emissions, and help reduce our carbon footprint. With declining freshwater sources, nationally mandated water utility upgrades, and higher energy costs, we incorporate water-saving systems, products, and practices into our new homes. Many of our builders include water-efficient faucets, low-flow toilets, and zoned irrigation systems as standard features at no additional cost.

SUPERIOR INSULATION

Conventional attics can reach temperatures upwards of 140 degrees. However, with spray foam encapsulated attics, our homes can maintain attic temperatures of 80 degrees or lower. In select communities where spray foam insulation is used, HVAC ductwork is placed in air-conditioned spaces, improving energy efficiency and significantly reducing heat buildup in attics. This results in superior energy efficiency and extends the life of our homeowners' roofs. Additionally, spray foam insulation plays a key role in keeping indoor air clean by eliminating nearly all air leakage.

SMART HOME TECHNOLOGY

Wi-Fi-enabled programmable thermostats allow homeowners to optimize heating and cooling systems based on household schedules, weather, and occupancy. These devices also enable features such as automated appliance control and enhanced security with remote locks and property monitoring.

WATER EFFICIENCY

Water heaters are typically the second highest source of energy use in the home. Many of our homes include standard Tankless Water Heaters, which only use energy when needed, saving homeowners money on utility bills while helping protect the environment. In addition to providing the convenience of instant hot water and a longer product lifespan, tankless units are often 20% to 30% more efficient than traditional 50-gallon water heater tanks.

We also optimize irrigation systems to ensure maximum water coverage with minimal runoff or waste. These systems are scheduled for cooler times to reduce evaporation, timed to prevent overwatering, and equipped with rain sensors. Additionally, we design common outdoor spaces that require minimal maintenance and are drought-resistant to reduce water usage and support local ecosystems.

INDOOR AIR QUALITY

Our home's Fresh Air ventilation system uses an inline fan that consumes 1/10th the energy of conventional mechanical ventilation. We enhance this efficiency by only moving temperature-controlled air, thanks to our spray foam insulation and insulated windows. This system averages 2.2 air changes per hour (ACH) by only heating and cooling air in livable indoor areas, allowing for more energy-efficient homes.

SUSTAINABLE BUILDING PRACTICES

We are committed to sustainable building practices. We prioritize sourcing building materials locally to reduce carbon emissions and use recycled, renewable, and non-toxic materials to minimize environmental impact. To streamline the construction process and reduce waste, we utilize prefabricated components. By assembling these components off-site, we minimize on-site material waste and expedite construction timelines. Additionally, we seek partnerships with suppliers who offer take-back programs for packaging and surplus materials. This circular approach helps conserve resources and reduce landfill waste.





HIGH EFFICIENCY HOME

Now more than ever, homebuyers are abundantly aware of the interconnected nature of sustainability and the impact it can have on the environment. To continuously meet homebuyer expectations and contribute positively to the environment, we have introduced a range of energy-efficient features in our homes. This visual representation highlights areas in our homes available for energy-efficient upgrades.

FRESH AIR VENTILATION

Filters indoor pollutants and contaminants, and more effectively circulates air

SPRAY FOAM INSULATION

Produces an air-tight building envelope, regulates temperatures between floors, keeps indoor air clean, minimizes the infiltration of allergens, and reduces outside noise

DOUBLE-PANE LOW-E INSULATED WINDOWS

Helps block infrared light and reduces destructive UV rays—all while streaming in abundant natural light

LED LIGHTING

Uses 75% less energy and lasts 25x longer

TANKLESS WATER HEATER

Offers endless hot water, uses less energy, and significantly reduces utility bills

LOW FLOW TOILETS

Reduces water usage around 2 gallons per flush

LOW FLOW FAUCET

Optimizes water flow to reduce water bills and conserve water resources

ZONED IRRIGATION SYSTEM

Targets specific segments of landscaping, resulting in less water runoff and more cost savings

HOME AUTOMATION

Our homes are pre-wired and compatible with apps and devices, offering you access to security and programmed routines that fit your lifestyle

