

ENVIRONMENTAL IMPACT REPORT | **2022**



GREEN BRICK
PARTNERS

ENVIRONMENTALLY FRIENDLY HOMEBUILDING

Building responsibly through energy-conscious features*

Green Brick Partners strives to make the world a better place for not just our homebuyers, but the communities where we live, work, and build. With that in mind, we understand that this commitment is inseparably intertwined with a need to build sustainably and responsibly.

In addition to constructing timeless homes with best-in-class materials, our homeowners benefit from a myriad of energy-conscious features included in their homes that result in both significant savings, healthier living, and a positive impact on the environment. We partner with some of the most reputable manufacturers of cutting-edge, energy-efficient products to give our homebuyers a quality home that will not only stand the test of time, but deliver significant savings for years to come. Some of the energy-conscious features provided with many of our homes include:

ENERGY STAR® CERTIFIED HOME

The Energy Star® label gives you peace of mind that your home has undergone a better process for inspections, testing, and verification to ensure that it meets strict requirements set by the U.S. Environmental Protection Agency (EPA).

The best-in-class energy efficient features in our homes mean better quality, better comfort, and better durability. This standard ensures our homes have been designed and built to standards well above most other homes on the market today.

Energy Star® certifications not only reduce utility bills and help conserve energy, but also add to the resale value of a home.

FRESH AIR VENTILATION

Our homes' Fresh Air ventilation uses an inline fan that amounts to 1/10th less energy than conventional mechanical ventilation. We build on 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.

TANKLESS WATER HEATERS

Water heaters are typically the second highest source of energy use in the home. Many of our homes include standard Rheem Tankless Water Heaters that only use energy when needed, saving our homeowners on their utility bills while helping to protect the environment.

In addition to providing the convenience of instant hot water and a longer product lifespan, tankless units are often 20% - 30% more efficient than traditional 50-gallon water heater tanks.





SUPERIOR INSULATION

Conventional attics can reach upwards of 140 degrees, however with spray foam encapsulated attics, homes are often able to reach 80 degrees or less. In select communities where spray foam insulation is used, HVAC duct work is placed in air-conditioned spaces, improving energy efficiency and significantly slowing heat buildup in the attics. This results in superior energy efficiency and an extended life of our homeowners' roofs.

In addition to playing a key role in keeping indoor air clean, spray foam insulation eliminates nearly all air leakage.

ENERGY EFFICIENT APPLIANCES & EQUIPMENT

Appliances and building-related equipment account for almost all the energy used in buildings. As such, households are one of the contributors to harmful greenhouse gases. Our energy efficient appliances save homebuyers on operating costs by reducing energy use without sacrificing performance and design. These appliances, included at no additional cost in many homes, conserve water, significantly reduce greenhouse gas emissions, and help in reducing our carbon footprint.

With declining freshwater sources, nationally mandated water utility upgrades, and higher energy costs, we have incorporated water-saving systems, products, and practices into our new homes. Many of our builders incorporate water efficient faucets, low-flow toilets, and zoned irrigation systems as no-cost, standard features of their homes.

SCALE AND REACH

Green Brick Partners' sustainability strategy targets every stage of homebuilding to use resources more efficiently, reduce greenhouse gas emissions, and diminish water waste. Our presence across four major markets and management team of building and finance veterans enables us to drive environmentally focused solutions on a national scale.

4,917

Lots to be
completed in 2023

58

of Communities
under development

25

of Communities in
engineering

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. In an effort to continually align with homebuyer feedback and leave a lasting, positive contribution to our environment. We debuted the High Efficiency Home at Trophy Signature Homes, a collection of energy efficient upgrades standard with every home that includes: fully encapsulated spray foam insulation, fresh air ventilation, central fan integration system, 16 SEER heat pump/HVAC system, smart thermostat, double-pane Low-E insulated windows, tankless water heater, low flow commodes, water efficient faucets, ENERGY STAR® appliances, and LED light bulbs.

FRESH AIR VENTILATION

Filters indoor pollutants and contaminants, and more effectively circulates air

DOUBLE-PANE LOW-E INSULATED WINDOWS

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

TANKLESS WATER HEATER

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

ZONED IRRIGATION SYSTEM

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

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

LED LIGHTING

Uses 75% less energy and lasts 25x longer

LOW FLOW TOILETS

Reduces water usage around 2 gallons per flush

WATER EFFICIENT FAUCETS

Optimizes water flow to reduce water bills and conserve water resources

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

