High-margin barrels produced responsibly
bpx energy operates in the Permian-Delaware and Eagle Ford basins in Texas and the Haynesville basin in Texas and Louisiana, focusing on safely producing high-margin barrels while driving down emissions.

In total, the sustainable emissions reductions bpx delivered in 2021 are an amount comparable to the annual electricity-related emissions of over 114,000 typical homes.

Zero routine flaring and lower emissions
In April 2021, we announced our aim to achieve zero routine flaring in our US onshore operations by 2025. We plan to accomplish this primarily through significant investments in new and upgraded infrastructure.

bpx’s new, state-of-the-art Grand Slam facility in the Permian Basin is an electrified central oil, gas and water handling facility that reduces operational emissions by replacing gas-driven equipment, compressors and generators.

Grand Slam represents the largest infrastructure investment to date for bpx energy and is a template for future infrastructure investment in the Permian Basin.

Electrification is the cleanest, most efficient, reliable and cost-effective way to distribute power across an oilfield. When bp purchased our Permian Basin assets in 2018, only 4% of the operated wells were electrified. In 2022, we’re at 80% and we’re well on our way to our goal of 95% electrification by the end of 2023.

By the end of 2025, we plan to invest $1.3 billion to build three new centralized delivery systems to further lower emissions in our own operations.

Finally, we are progressing our methane measurement programs, which include detection and quantification. In addition to drone and aerial methane surveillance — including high-resolution and infrared camera coverage — we are deploying continuous methane detection technologies across our operations. We aim to install methane measurement at all our existing oil and gas processing sites by 2023.

In numbers

> 325,000 boe/d
produced on average in 2022

> ~1 million MTCO₂e
sustainable emissions reductions delivered since 2021

> 750 employees
working across the business

> ~$10 billion
invested from 2015 – 2022

With operations in Texas and Louisiana, our US onshore business – bpx energy – has become both a premier oil and gas producer and a leader in reducing methane emissions. This reflects bp’s global strategy of producing some of the most resilient hydrocarbons.

*Updated August 2023