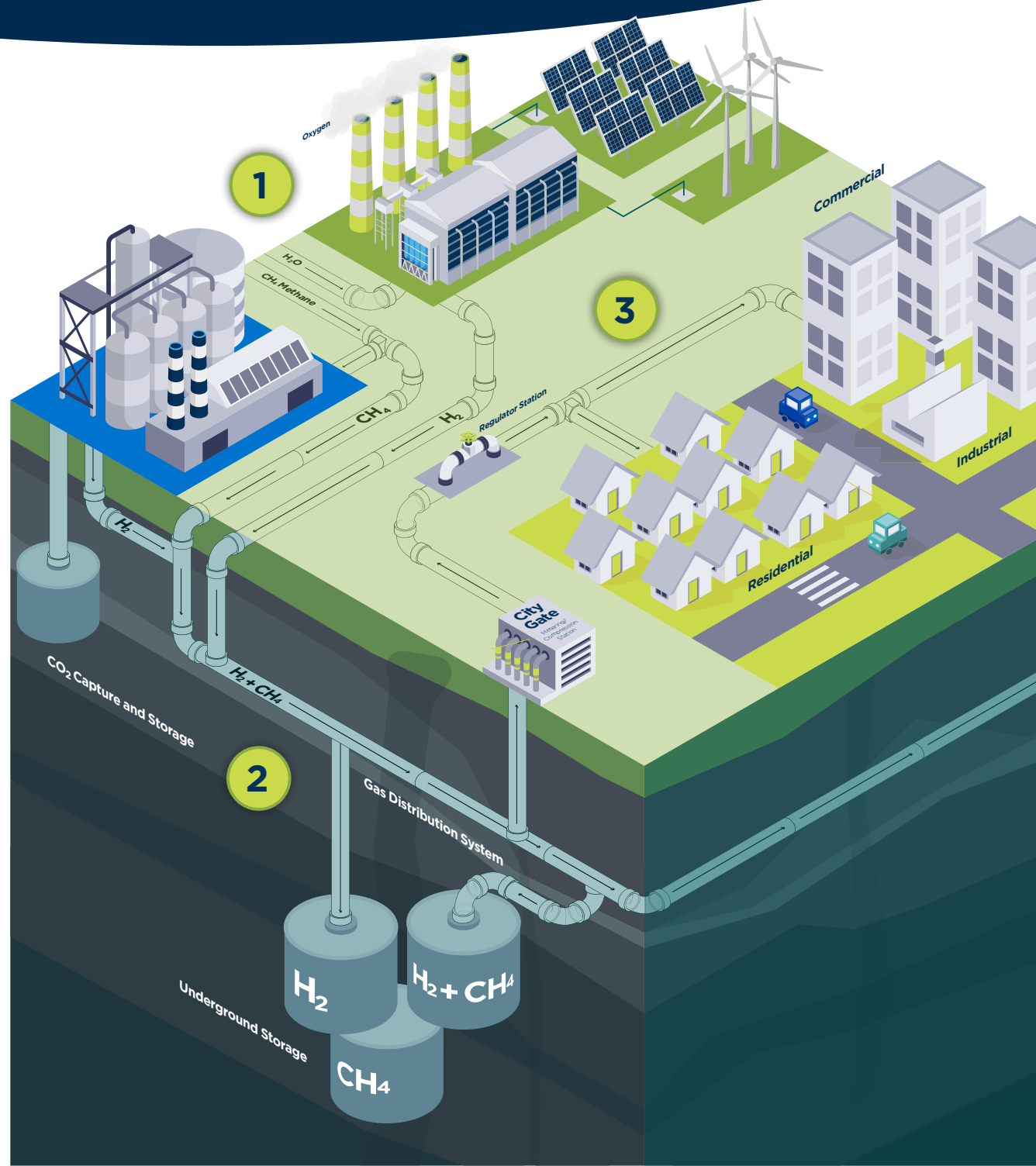


GAS INFRASTRUCTURE PLAYS A CRITICAL ROLE IN BUILDING A CLEAN HYDROGEN ECONOMY AND HELPING LOWER EMISSIONS

Widescale hydrogen deployment offers the next great evolution in our nation's energy networks and will impact how energy is produced, stored, delivered and used. The U.S. possesses the most extensive gas pipeline delivery network in the world, and with rigorous research and testing already underway, we can further leverage gas infrastructure to enable clean hydrogen delivery across the economy.

The integration of clean hydrogen into gas systems can expand options, and accelerate our nation's ability to reduce emissions.



1 CLEAN HYDROGEN PRODUCTION

- Hydrogen from Renewable Electricity
- Hydrogen from Steam Methane Reformation

2 BLENDING AND STORING HYDROGEN IN EXISTING GAS NETWORK

3 HYDROGEN COMPATIBILITY WITH GAS CUSTOMERS

- Residential
- Commercial
- Industrial

INNOVATION TODAY FOR A MORE DIVERSE AND RESILIENT ENERGY FUTURE



Successful buildout and integration of renewable energy and clean hydrogen across the economy depends on the continued investment and modernization of our energy networks and infrastructure.



Customers want affordable clean energy solutions. Hydrogen blends are compatible with today's equipment, giving customers the option to reduce emissions while keeping the gas appliances they know and love.



Clean Hydrogen can be integrated in our existing gas networks, offering long-term safe and affordable energy storage, that will be ready to use when we need it most – on the hottest and coldest days of the year.

SAFETY

Research shows that gas blends of up to **15% hydrogen** is safe in existing gas appliances and will help our communities meet their climate goals.

FUNDING AND RESEARCH

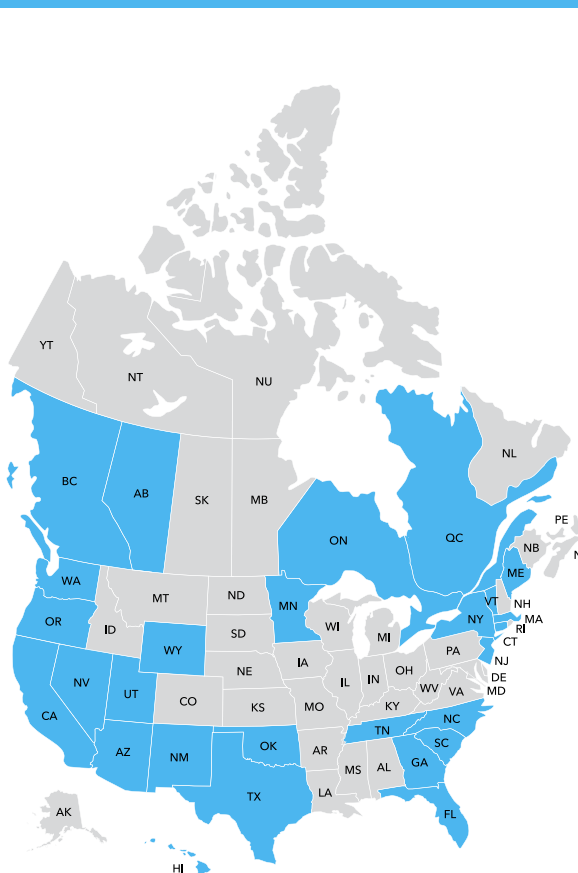
The U.S. Department of Energy is investing **\$10 billion** to accelerate research and development and support clean hydrogen deployment across the country to help meet the Administration's net-zero emissions goals.

GAS UTILITIES ARE LEADING THE EVOLUTION

There are more than **25 states or provinces** where utilities are actively engaged in hydrogen research, testing or projects. An increasing number of states and provinces are including hydrogen in climate and clean energy policies.

GAS UTILITIES ARE LEADING THE REVOLUTION

Utilities are engaged in hydrogen research and testing in an increasing number of states and provinces.



WHERE DOES HYDROGEN COME FROM?

Hydrogen is the most abundant element in the universe and exists as part of many chemical compounds such as, water (H₂O) and methane or natural gas (CH₄).

To use hydrogen as a form of energy, it first needs to be produced from other compounds, where it can then be stored in gaseous or liquid form.

Future technologies that harness renewable electricity and carbon capture and storage (CCS) to produce clean hydrogen offer the potential for a nearly inexhaustible supply of low to zero-carbon hydrogen energy.