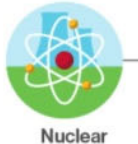


Energy source

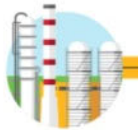
Electricity is generated from various sources



Renewables



Nuclear



Natural gas

Electricity

Electricity grid

Natural gas system

Hydrogen production

Hydrogen is produced through different processes

Electrolysis

Green hydrogen

Renewable hydrogen

Blue hydrogen

Steam methane reforming

with carbon capture, usage and storage (CCS or CCUS)



Power generation

Increases system resilience

Energy storage

Hydrogen stores energy until it's ready to be used



Storage

Blending

Added to natural gas supply



End uses

Hydrogen helps decarbonize fuel supply

Fuel

Energy storage
Synthetic fuel
Engines/turbines

Heating

Homes
Businesses
Industry

Industrial energy use

Metals refining
Petroleum and oil refining
Ammonia/fertilizer
Food processing

Transportation

Electric vehicles
Shipping
Trains
Heavy transport
Aviation