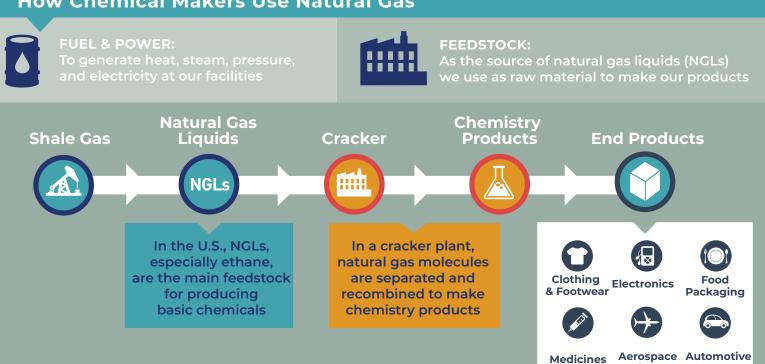
# NATURAL GAS AND AMERICAN CHEMISTRY



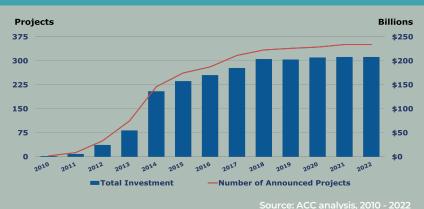
# How Chemical Makers Use Natural Gas



#### Shale Gas Supports New Chemistry Investment



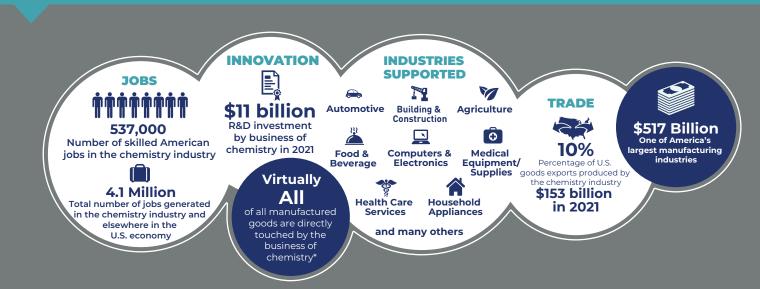
Plentiful & affordable natural gas/NGLs are attracting chemical company investment from around the world.



Equipment

Parts

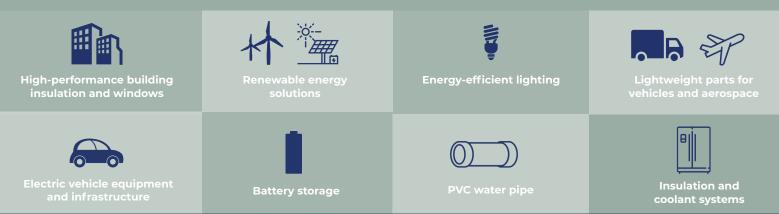
### **Chemistry Grows Our Economy and Creates Jobs**



#### Natural Gas Enables Energy and Climate Innovation

#### **Creating Solutions**

Many energy-saving and renewable materials and technologies rely on chemistry and plastics.



## **Driving Innovation**



ACC members are taking action to reduce the industrial greenhouse gas (GHG) intensity of their supply chains, operations and products.



Under Responsible Care®, ACC members track and report the energy efficiency of their facilities and GHG emissions. ACC makes this information publicly available.



The chemistry industry is a leader in the use of combined heat and power, also known as cogeneration—the simultaneous production of electricity and heat from the same source. CHP facilities are often twice as efficient as older coal-burning electric utilities.



The chemical energy has been a pioneer in the development of catalytic technologies. Catalysts are added substances that increase the rate of chemical reactions so that less energy is used per unit of product. Today, about 90% of all chemical processes employ catalysis in production.



Advanced recycling technologies allow us to make new, high-quality plastics out of used plastics – reusing the energy content over and over again.



Natural gas production and infrastructure will be needed to deploy innovative lower emissions technologies (e.g. hydrogen; carbon capture utilization, and storage (CCUS)).

# **Policy Priorities**



Implement responsible, state-based regulations that enable robust natural gas production.



Ensure reliable infrastructure to transport supplies and support resilient supply chains.



Ensure a timely, efficient regulatory permitting process.



Encourage the development and adoption of innovative lower emissions technologies (e.g., hydrogen, CCUS).



Expedite implementation of research and funding programs for lower emissions technology innovations, hubs, and infrastructure.



Support a broad range of energy and manufacturing technologies, solutions, programs and policies.