



**GTI ENERGY**

*solutions that transform*

# Fueling Innovation and Collaboration to Evolve Energy Systems

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# Building paths to Net Zero targets

*We must be bold and pragmatic*



## Near-term 3-5 years

## 2030s

## 2040s

## VISION: 2050

Sort through **unknowns** as technologies & regulations evolve



Build solutions that shape low-carbon, low-cost energy systems that leverage gases, liquids, efficiency, and infrastructure to meet the needs of communities while positively impacting lives, economies, and the environment

Safe, reliable, affordable, accessible, resilient, low-emissions, secure



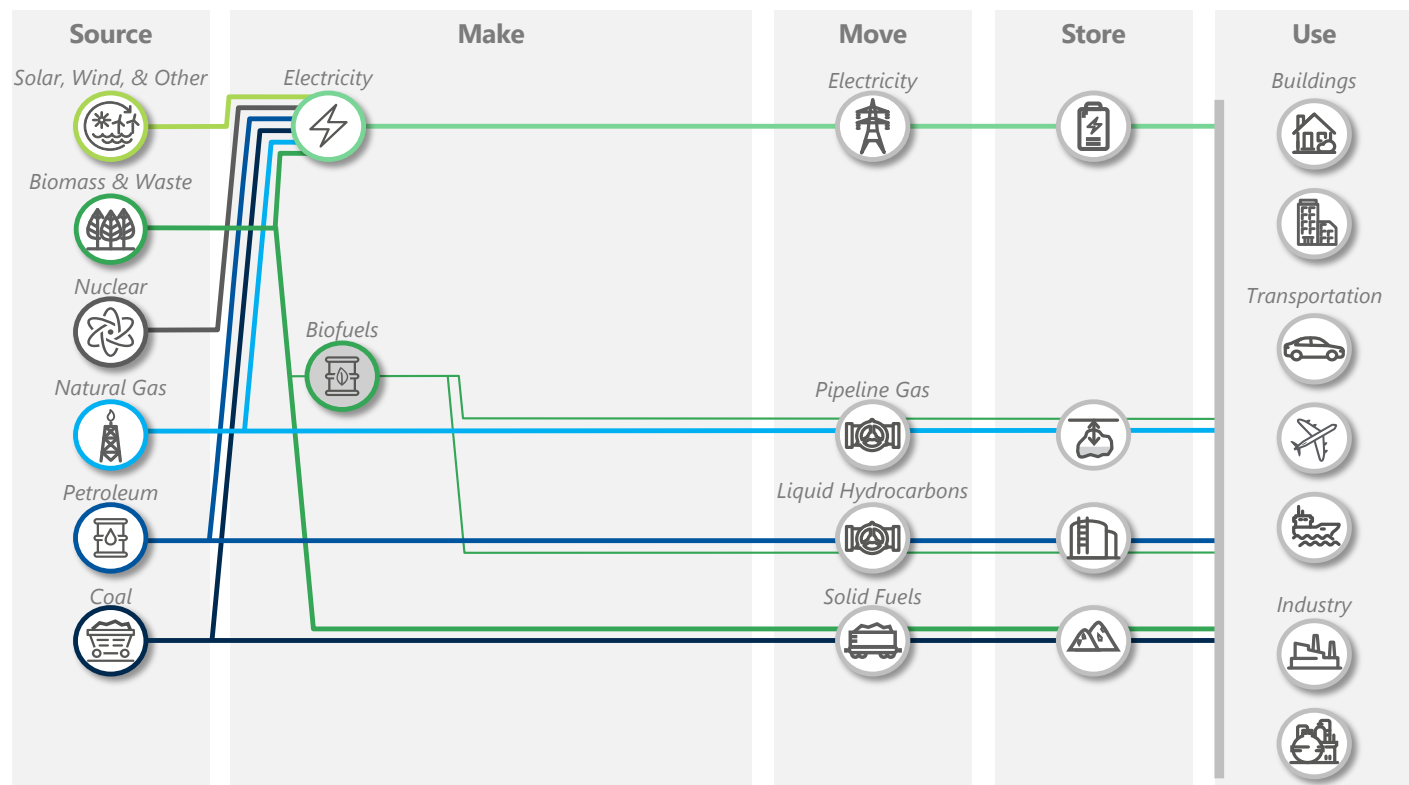
How will we get there?

# Our Future Energy Systems...

*...will be built off the energy systems of today*

**KNOWN:**

Future energy systems will be **safe, reliable, resilient, secure, affordable & low-emission**

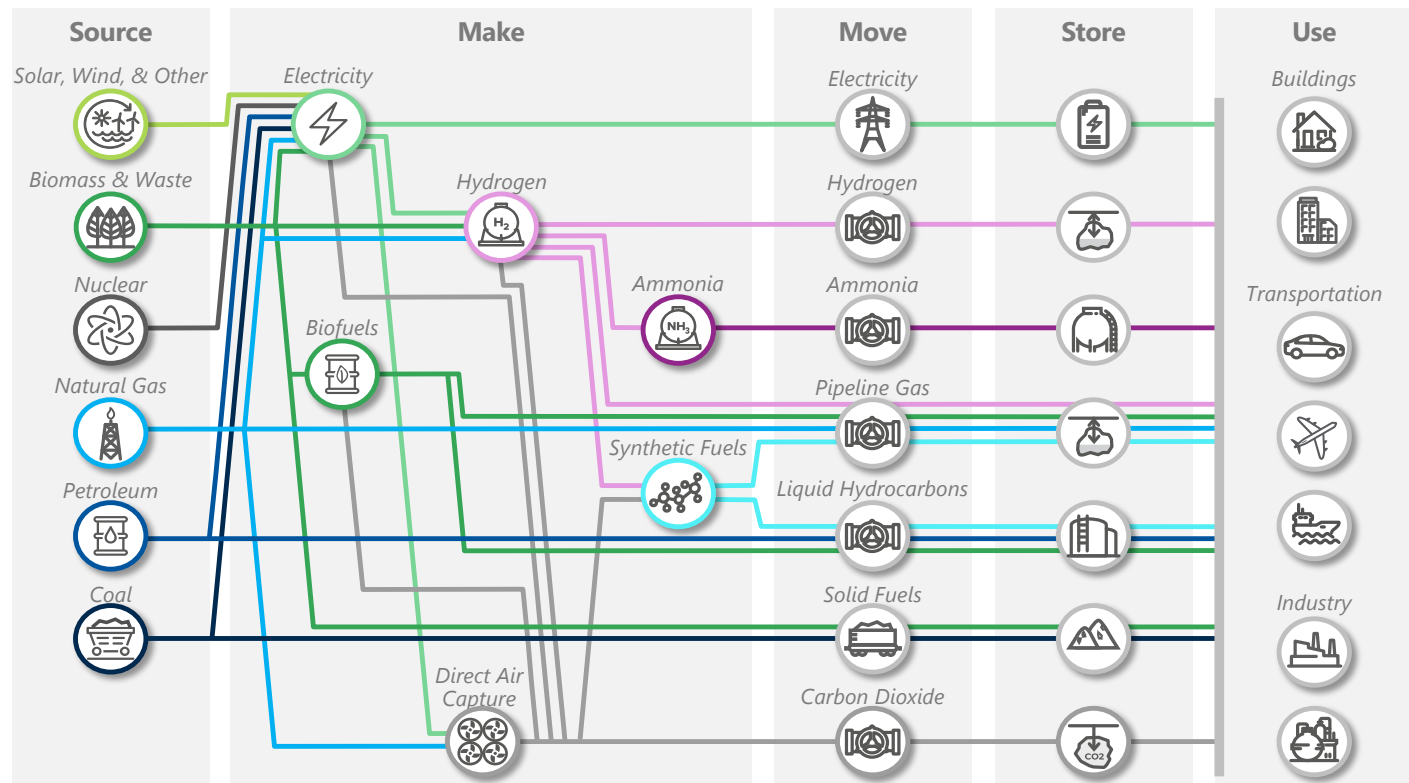


# Our Future Energy Systems...

*...will be built off the energy systems of today*

**KNOWN:**

Future energy systems will be **safe, reliable, resilient, secure, affordable & low-emission**

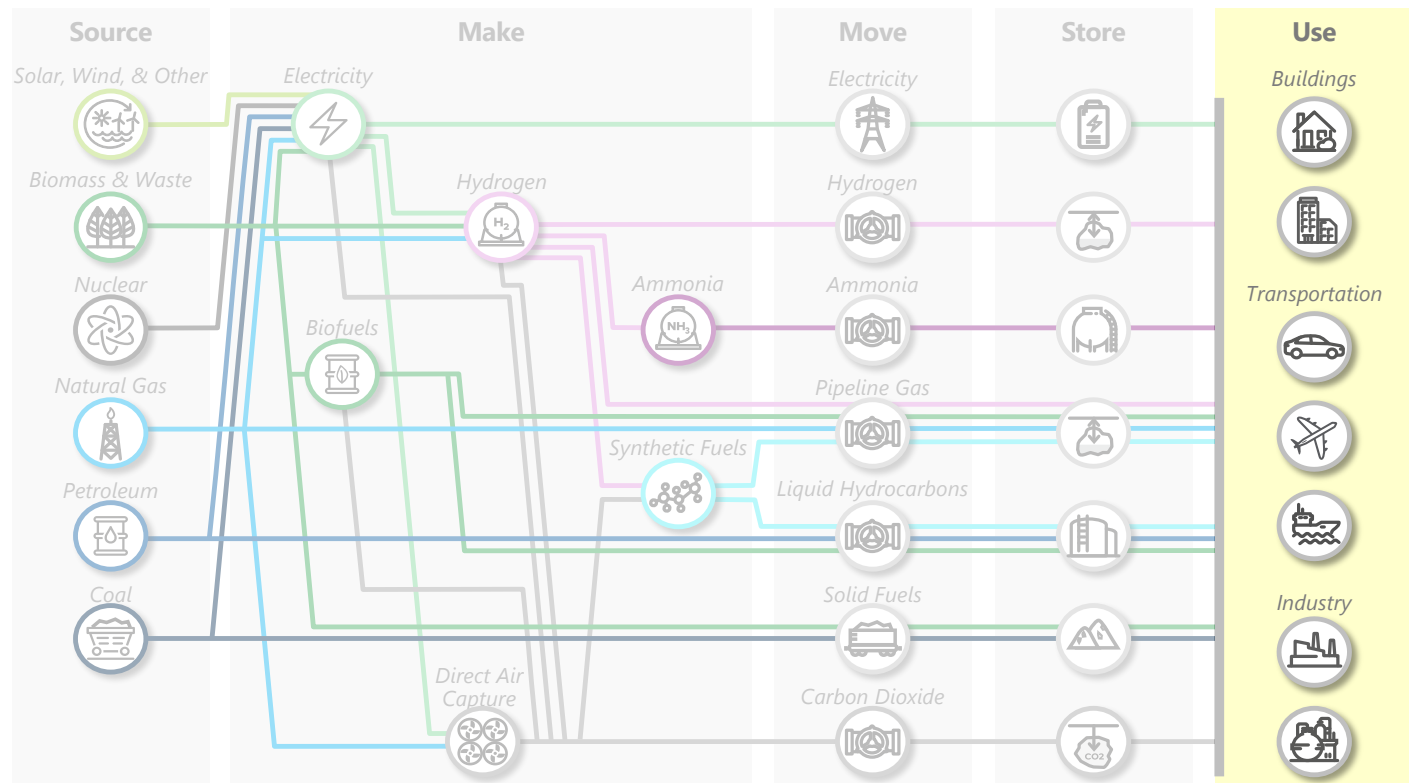


To help our customers get to the future...

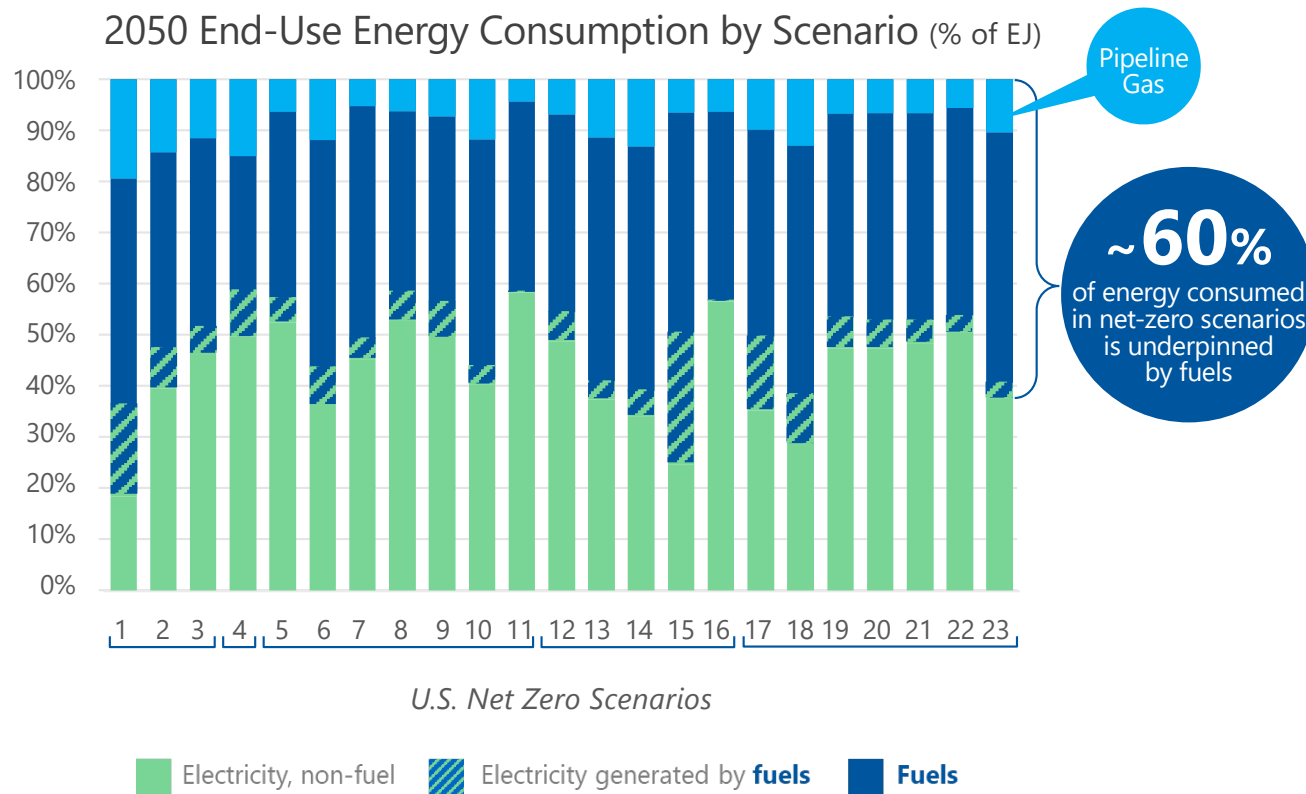
...we must solve challenges for End Users

**KNOWN:**

Future energy systems will be **safe, reliable, resilient, secure, affordable & low-emission**



# The Enduring Role of Fuels in Net-Zero Systems



fuels include natural gas, RNG, SNG, hydrogen, ammonia, petroleum-derived fuels, biofuels, synthetic fuels, ammonia, biomass, coal and nuclear

# innovation takes time to achieve scale



**2030**  
First carbon  
commitments

2010

2015

2020

2025

2030

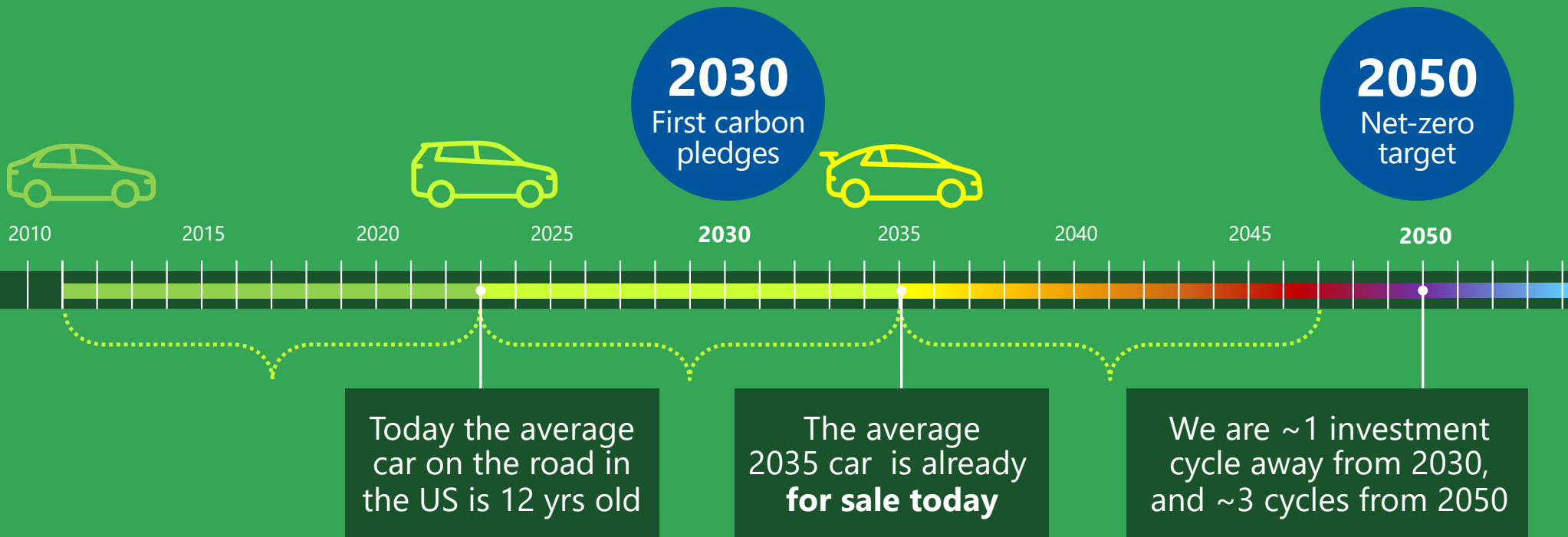
2035

Today the average  
car on the road in  
the US is 12 yrs old

The average  
2035 car is already  
**for sale today**



# innovation takes time ...the future is already here.



# Disruptive Innovated Needed

systems thinking



innovation



collaboration





this is a  
**team sport**



**GTI ENERGY**

*solutions that transform*

GTI Energy develops innovative solutions that transform lives, economies, and the environment