

The Big Picture



- How much energy do we use

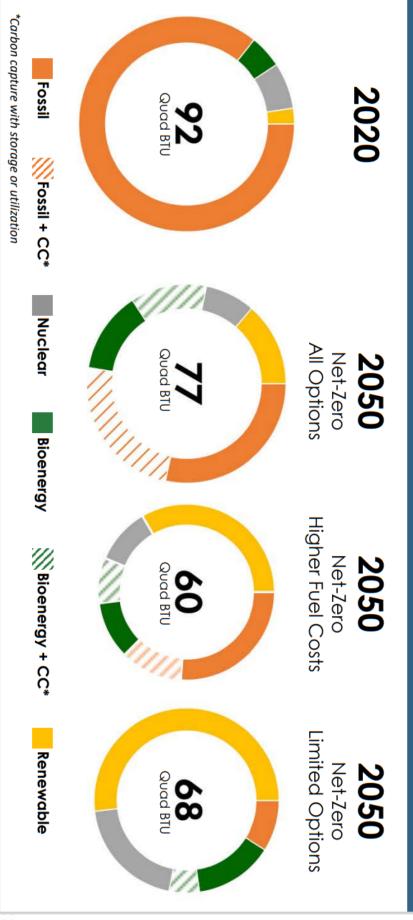


Primary Energy declines as we approach 2050



PRIMARY ENERGY

Economy-wide View need for many solutions

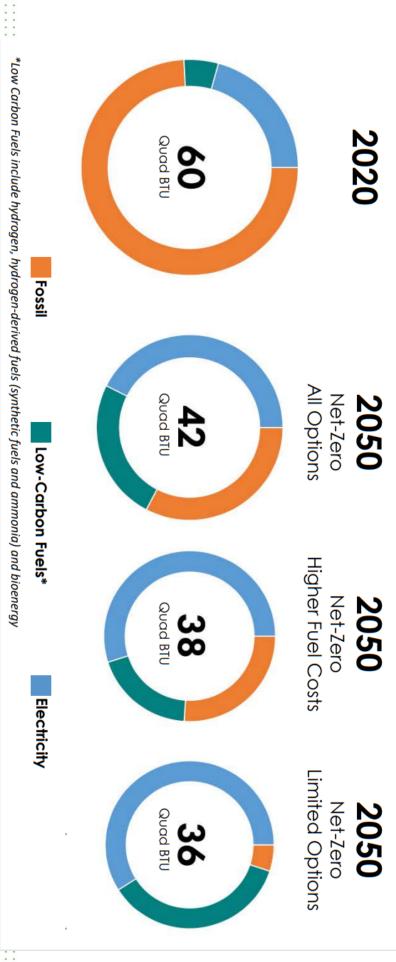


Final Energy shifts to cleaner energy



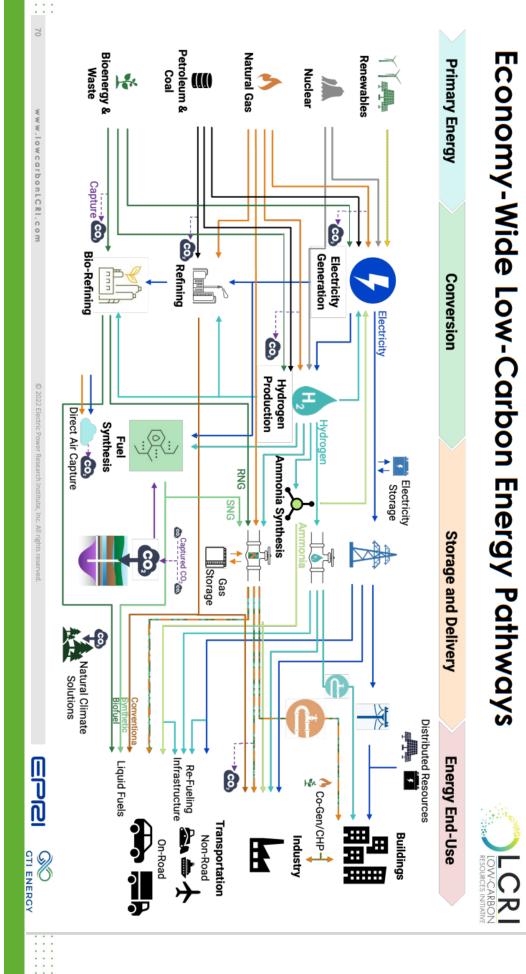
FINAL ENERGY

Shift of End-Use Resources reliability and affordability critical



Energy Transition means picking the right pathways





Next Steps



- Where do we decarbonize
- How do we leverage innovation
- How do we manage the transition for the customer





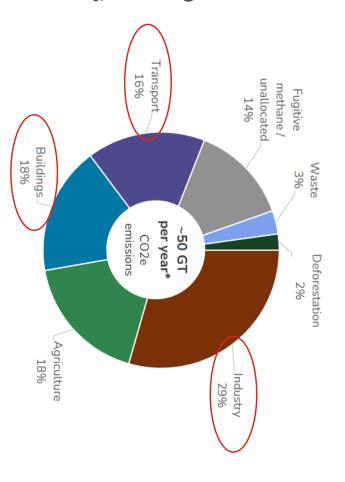




Where do we need to decarbonize?



- Energy Efficiency, Electrification, Demand Response programs help us to address needs with Residential and Commercial customers primarily in the areas of transport and buildings
- Decarbonization programs are of interest to customers (carbon footprint, carbon intensity)
- Decarbonizing the industrial sector involves finding the right pathway

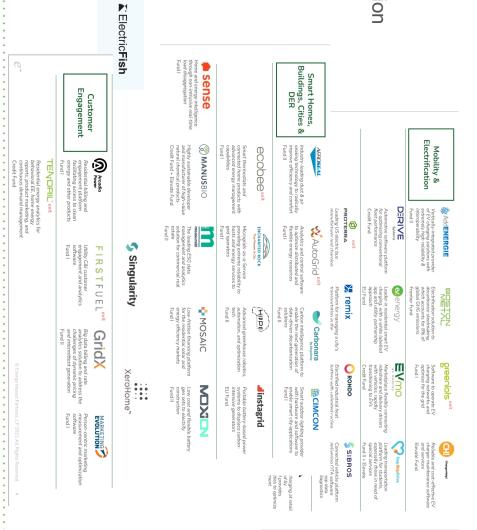


Sources: ClimateWatch & World Resources Institute (2020) via Our World in Data, "Emissions by Sector", 2020 Note: *There is significant uncertainty and variance in global GHG emissions estimates

Where do we focus our Innovation?



- Industrial Customers
- Support energy transition and decarbonization
- Commercial Customers
- Fleet electrification
- Building electrification
- Energy programs/Energy efficiency
- Technology to facilitate engagement
- Residential Customers
- Energy assistance
- Electrification
- Demand response/energy efficiency
- Energy programs
- Technology to facilitate engagement



Focus on SECC Key Themes

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To Manage the Energy Transition

- Affordability and Reliability are still paramount
- But consumers . . .

THEME 1:	THEME 1: Consumers are ready to take action to help meet decarbonization goals.
THEME 2:	THEME 2: Consumers are most likely to invest in smart energy technologies that are easy to use and demonstrate clear value.
THEME 3:	THEME 3: Consumers increasingly expect a high degree of personalization in their interactions with energy providers.
THEME 4:	THEME 4: Consumers are inclined to trust their energy providers to help them manage their energy and protect their data.
THEME 5:	THEME 5: Consumers need support to gain equitable access to clean energy opportunities.
THEME 6:	THEME 6: Consumers respond favorably to innovative utility partnerships.



Discussion

