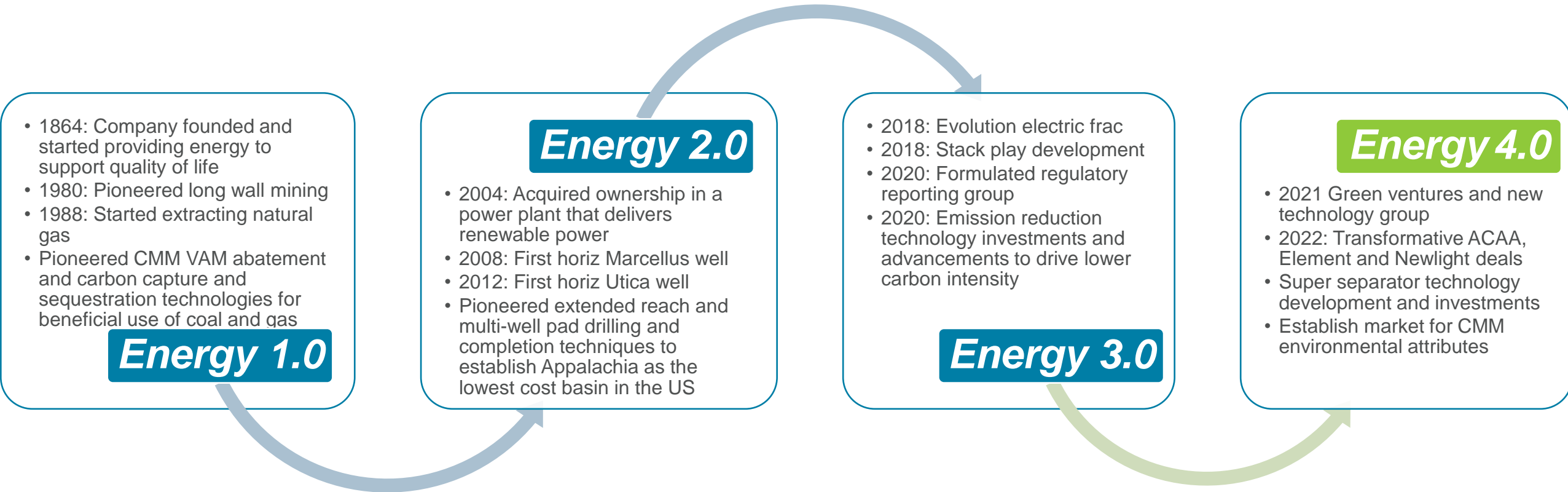


CNX + PIT: A Partnership Redefining Western PA's Energy, Economic, & Environmental Ecosystem

*Pennsylvania Chamber of Business & Industry
2022 Infrastructure Roundtable: Innovations in
Aviation and Air Transportation*



CNX Resources



CNX has a rich history of using technology and innovation to continually transform itself into the clean energy supplier of choice in the Appalachian basin

AT-A-GLANCE

2013: Flagship partnership announced

2014: Drilling activities begin, generating \$105+ million to date in non-aviation related revenue supporting PIT's \$1.5 billion modernization project

2021: PIT becomes world's first airport powered by natural gas and solar microgrid, **generating \$1 million in costs savings and reducing 8.2 million pounds of CO2 emissions in just 1 year**

2022: Entered next phase of partnership, expanding low carbon fuel and catalyzing more economic growth opportunities



THE NEXT CHAPTER

Expanded partnership facilitates next-generation fuel economy

PIT is strategically positioned to be a CNG and LNG fuel hub

Building on Neighborhood 91's advanced manufacturing ecosystem, our goal is to create a sustainable fuel hub utilizing locally sourced, lower-cost, lower-carbon natural gas to establish liquefied natural gas (LNG) and compressed natural gas (CNG) fueling depots for transit, cargo, military, and other energy-intensive business purposes.

Together, CNX and ACAA are evolving to unlock more value at PIT and in the Pittsburgh region through:

- ✓ Cost-effective, low-emitting operations
- ✓ Enhancing financial resilience, introducing new revenue streams
- ✓ Expanding airline services and efficiencies
- ✓ Meeting and exceeding sustainability goals
- ✓ Creating more local jobs, spurring further investments and economic development
- ✓ Strengthening national security



“CNX will produce, process, and consume these natural gas-based products locally first, unleashing countless downstream economic opportunities and help jumpstart the hydrogen economy, leverage the region’s unrivalled work ethic, create family-sustaining jobs, better the region’s underserved communities, and **revitalize Appalachia’s middle class in a new, lower carbon economic ecosystem.**”

– CNX President and CEO Nick DeIuliiis

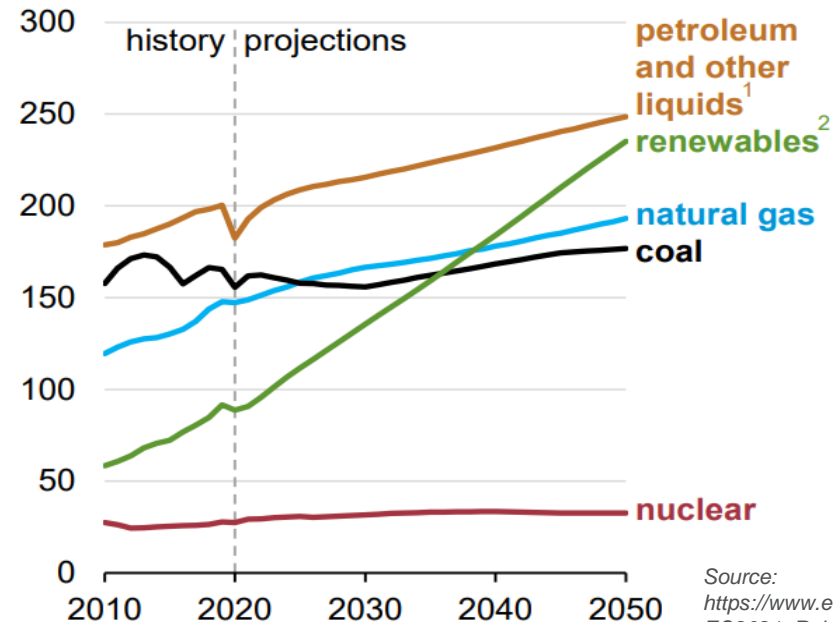


Energy Transition Context: Performance and Projections

- Natural Gas is a proven performer in GHG reduction
- Fossil fuel consumption is forecasted to continue to grow
- Renewable growth unable to keep pace w/ demand growth

Primary energy consumption by energy source, world

quadrillion British thermal units

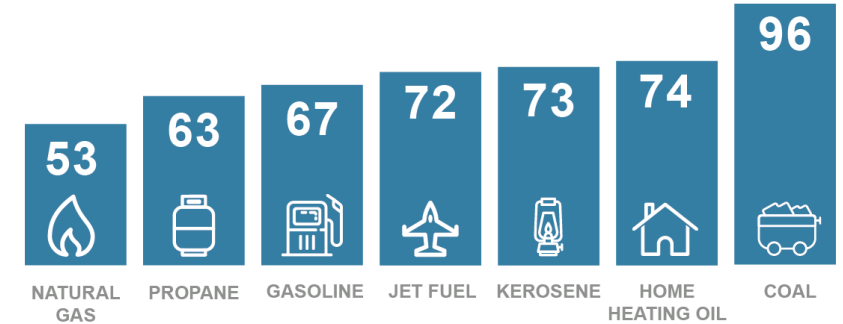


¹ Includes biofuels

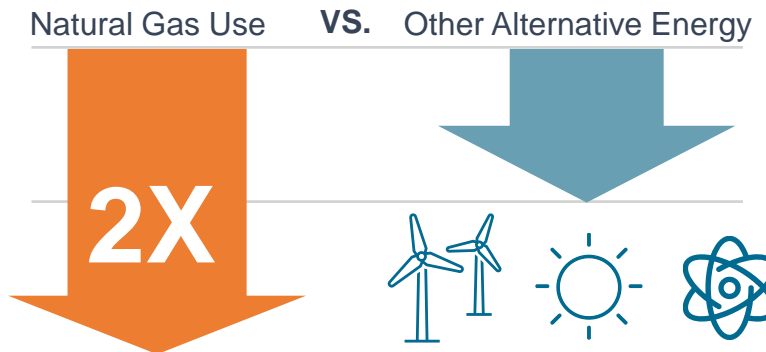
² Electricity generation from renewable sources is converted to Btu at a rate of 8.124 Btu/kWh

Source:
https://www.eia.gov/outlooks/ieo/pdf/EO2021_ReleasePresentation.pdf

EMISSIONS INTENSITY BY ENERGY SOURCE
(KG CO2/MILLION BTU)



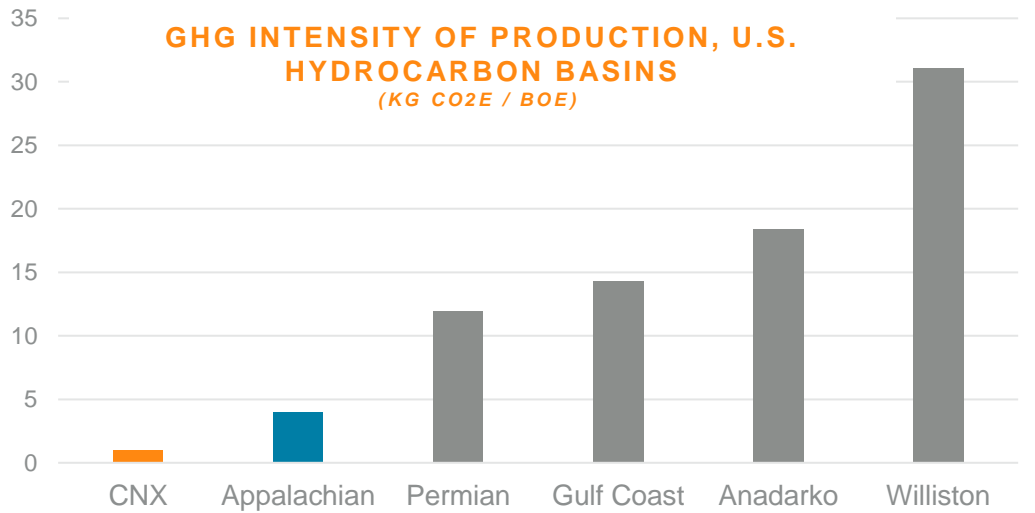
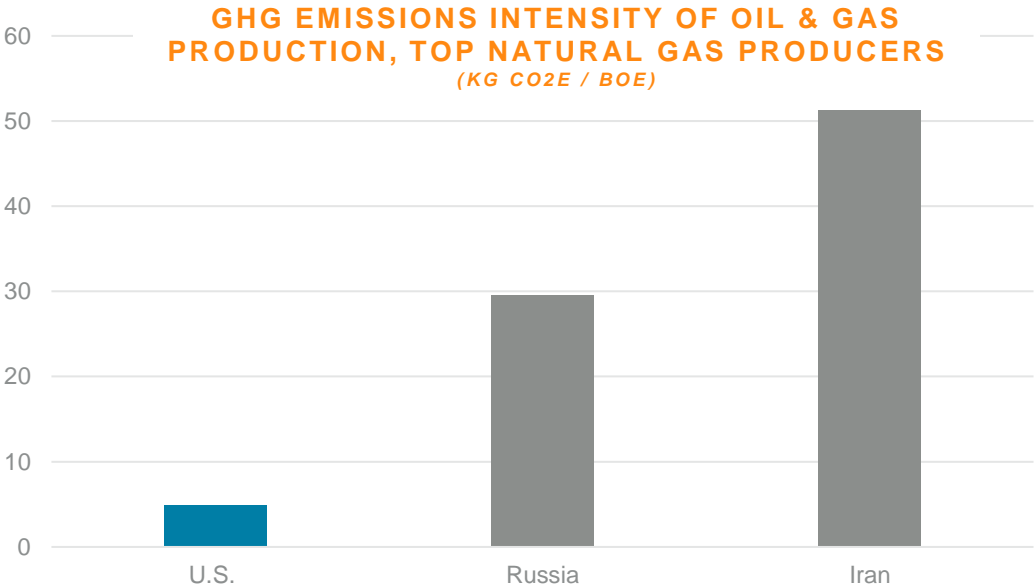
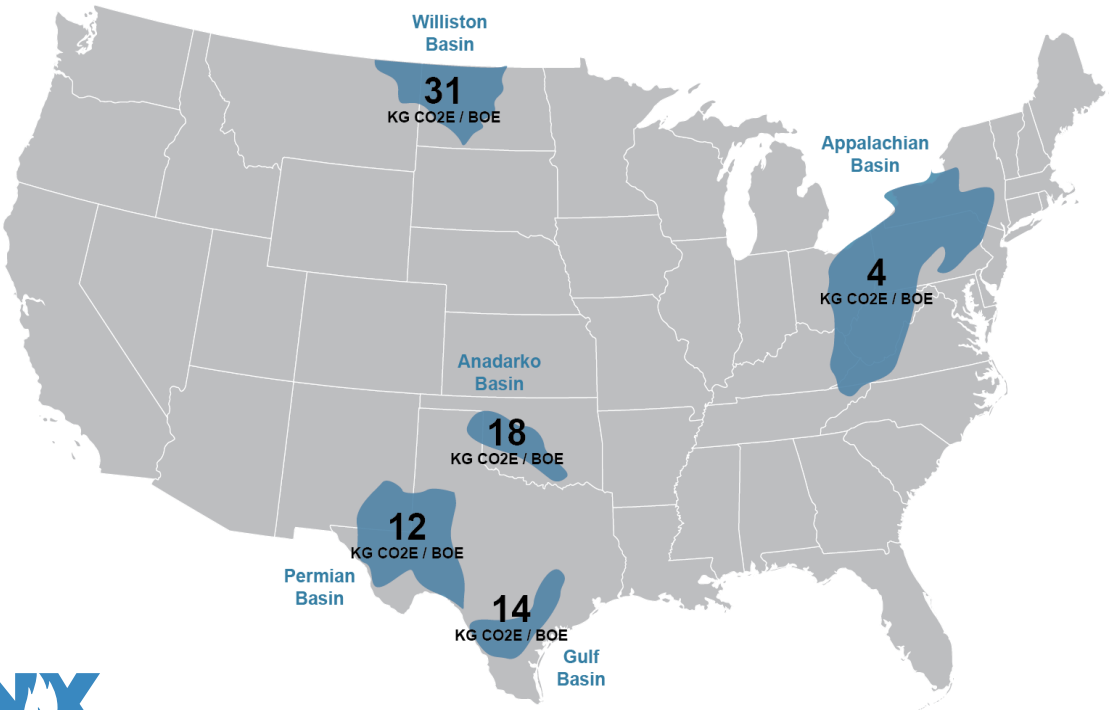
U.S. POWER SECTOR EMISSIONS (2006-2020*)



*The switch to natural gas' use in the power sector drove nearly 2 times (3,871 MMT CO₂) the amount of emission reductions compared to non-carbon generation including wind, solar and nuclear (2,422 MMT CO₂) between 2006-2020.

Energy Transition Context: Prioritizing Low Carbon Intensity

The Appalachian Basin remains not only the largest, but the most efficient and environmentally friendly source of natural gas in the world. Among these top-class producers, CNX is a leader in providing lower emission energy.



Fuel Alternatives: Which fuel alternative to choose?

- **Fuel Alternative options for heavy equipment, aviation, transportation, and industry:**
 - Status Quo – Diesel and Metallurgical Coal
 - Battery Electric
 - Hydrogen
 - CNG & LNG
 - HCNG (Hydrogen & CNG Blend)
 - RNG / Low CI CNG
- **How does CNX evaluate these options?**
 - Life Cycle Assessments (LCA), Carbon Intensity (CI), and Total Cost of Operation (TCO)
 - Investigation of Tech advancement and incentives
 - Waste reduction and direct supply to consumer in context of global renewable deployment
 - Flexibility / ease of adaptation and industry implementation lead times
 - Optimize for cost, efficiency and emission reduction objectives



CNX energy
solutions

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*CNX will find something that works for energy transition focused customers .
CNX has a proven history of innovative, safe, reliable, low emission and low-cost operations.*

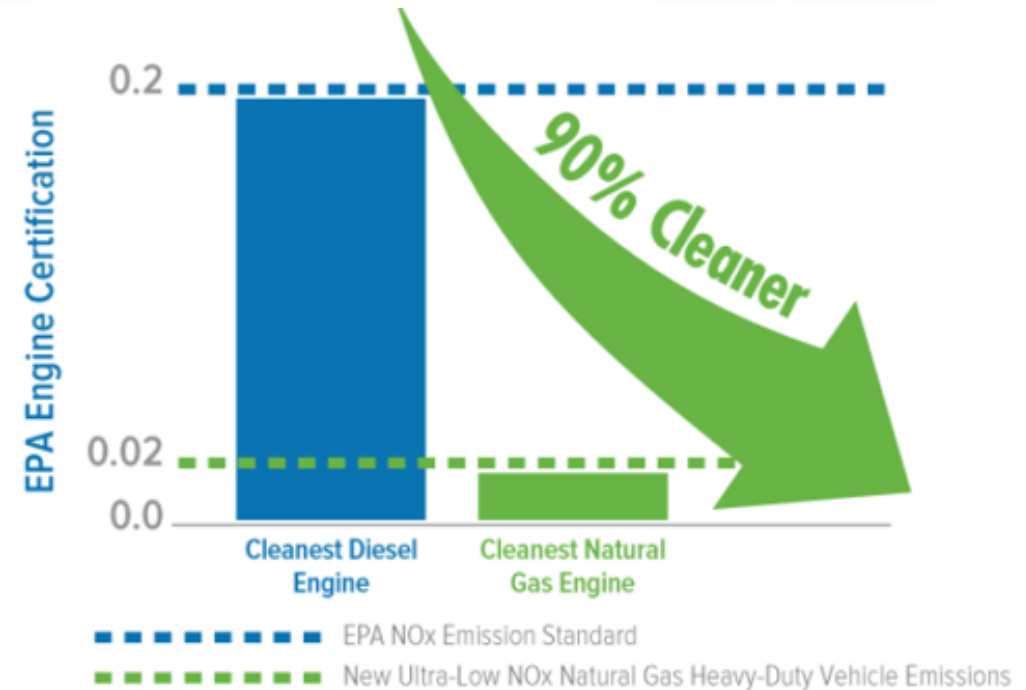
Emission Reduction Goals: Pittsburgh

Metro Pittsburgh Air Quality

Pittsburgh – New Castle – Weirton, PA-OH-WV

- Ranked #46 worst for high ozone days out of 226 metropolitan areas
- Ranked #22 worst for 24-hour particle pollution out of 221 metropolitan areas
- Ranked #14 worst for annual particle pollution out of 202 metropolitan areas

Source: American Lung Association, 2022

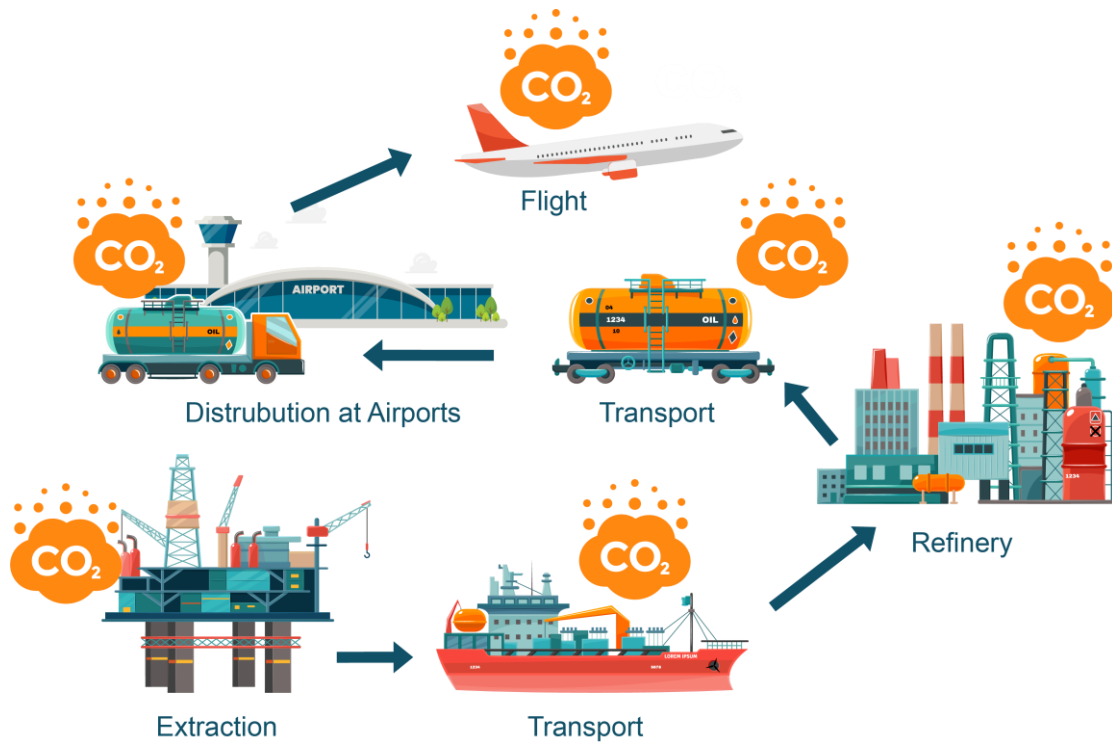


#1 Source of Urban Emissions

- Short-Haul
- Long-Haul
- Refuse
- School Buses
- Transit Buses

New Technology: Traditional vs. CNX Solution

Current Jet Fuel Value Chain:¹



Pittsburgh International w/ CNX-Tech:



- CNX Tech enables low carbon intensity fuel to be supplied from ACAA property directly to consumption
- Removes strain on supply chain, not subject to disruption from international conflicts or pandemics

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Direct to consumer eliminates massive emissions, cost, and risk.

New Technology: Comparative Impact of Life Cycle Emissions

- Life Cycle Assessments review the GHG impact of fuels from cradle to grave
- For Diesel and CNG, the majority of the life cycle emissions occur at the tailpipe
- For Battery / Electric and Hydrogen applications, all of the emissions occur in the energy origination
- When reviewing total Life Cycle Impact, the Electric US Grid mix makes EV worse than Diesel
- CNX CNG and Blue Hydrogen offer the lowest full life cycle emission solution

