



KENTUCKY IJC ON TRANSPORTATION

*Powering Flight in the 21<sup>st</sup> Century*

Renewable Aviation Fuels are a Key Ingredient for the Future of Kentucky Aviation

# Today's Flight Plan

- Renewable Aviation Fuels - SAF

## WHAT IS IT?

- The Case for SAF in Kentucky

## WHY KENTUCKY?

- Kentucky SAF Coalition

## WHO IS SUPPORTING?

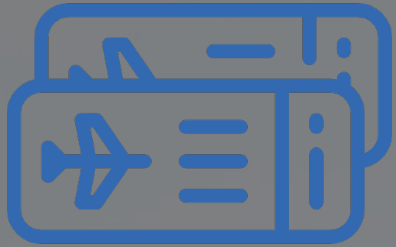
- Opportunity for General Assembly to Support

## WHAT CAN WE DO?



# Kentucky Aviation Economic Impact

Total Passengers Served (pre-COVID)



**14,807,667**  
annually

CVG: 9,103,554  
LEX: 1,465,049  
SDF: 4,239,064

Direct/Indirect Jobs Supported



**134,077**

CVG: 47,876  
LEX: 3,478  
SDF: 82,723

Total Annual Economic Impact\*



**\$18,270,323,277**

CVG: \$7,048,405,659  
LEX: \$442,003,080  
SDF: \$10,779,914,538

\*Study figures adjusted for inflation to 2020 \$

# What is drop-in

## Sustainable Aviation Fuel (SAF) ?

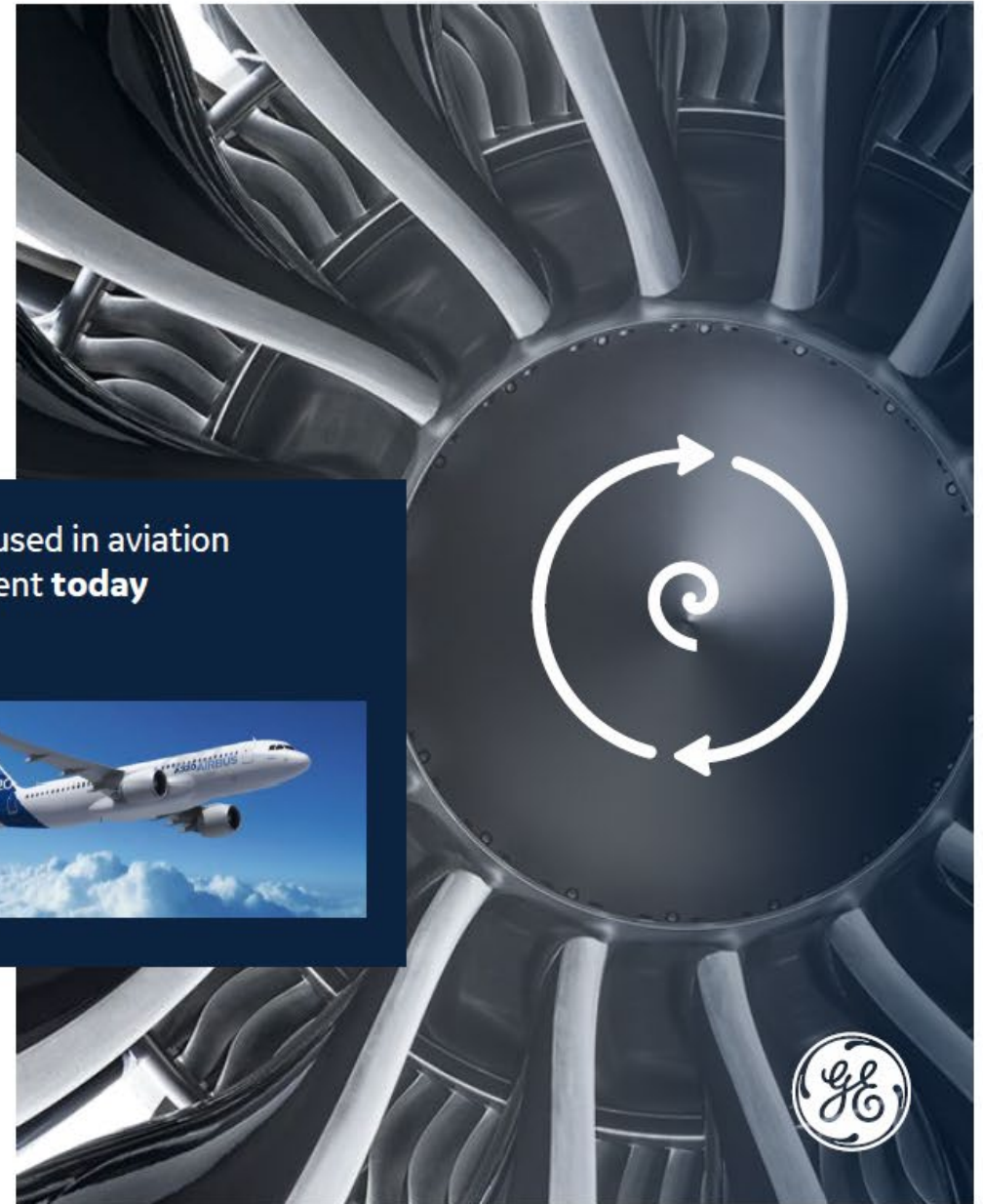
Requires no engine, aircraft, or infrastructure changes



Chemically the same as conventional jet fuel



Can be used in aviation equipment **today**

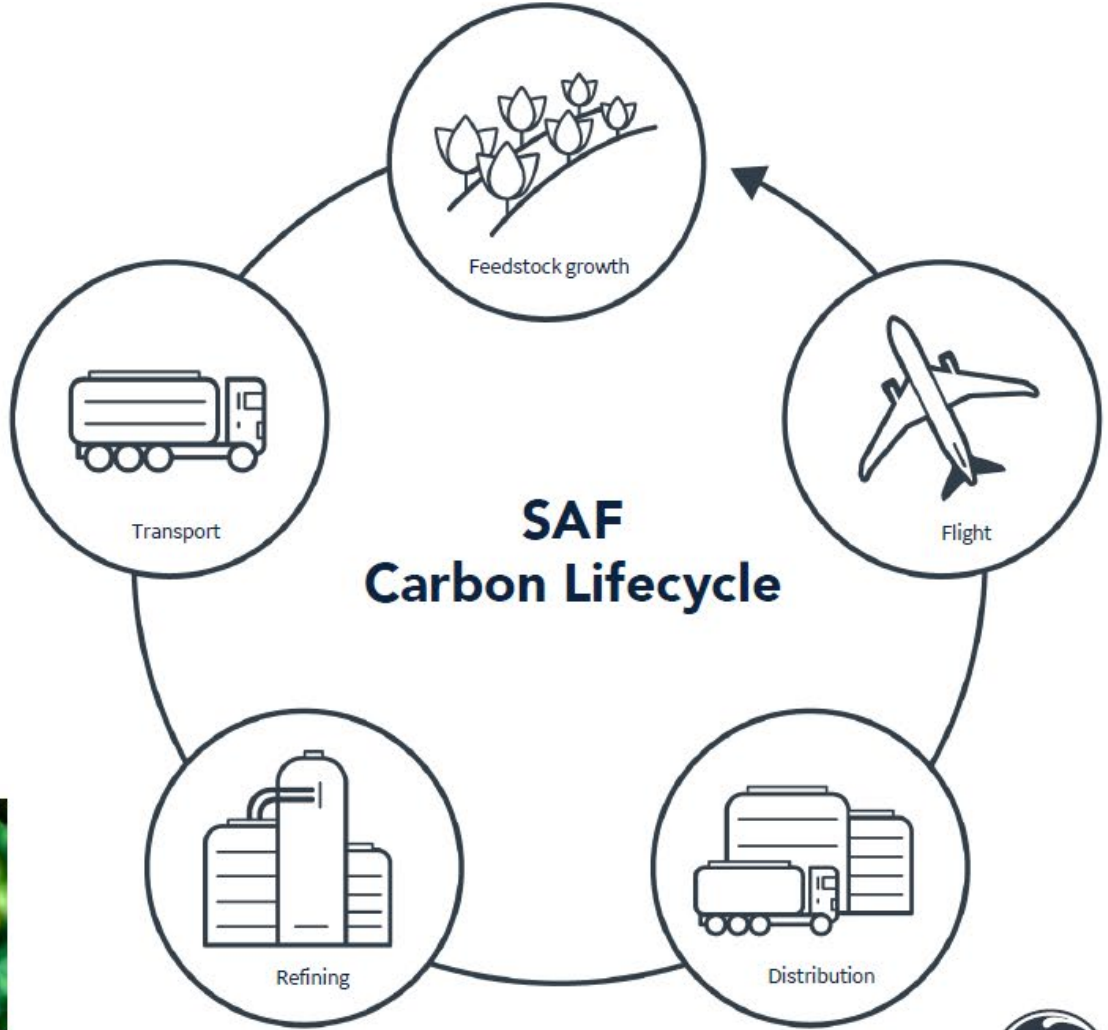


# Alternative jet fuel reduces lifecycle CO<sub>2</sub> emissions

Sustainable Aviation Fuel (SAF) is critical to help the aviation industry meet its goal for net-zero CO<sub>2</sub> emissions by 2050. By making SAF with alternative feedstocks and processes instead of fossil-based feedstock, lifecycle CO<sub>2</sub> emissions can be reduced during production.



Source: Air Transport Action Group's Beginners Guide to SAF





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**Cargo Airline Association**  
THE VOICE OF THE AIR CARGO INDUSTRY



**LOUISVILLE MUHAMMAD ALI INTERNATIONAL AIRPORT**



**Southwest**



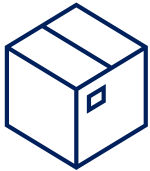
**SUNFLOWER FUELS**



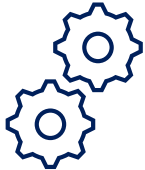
# SAF: Why Kentucky?



Commercial airline activity



Air cargo prowess



Presence of OEMs and aviation industry in general (business aviation)



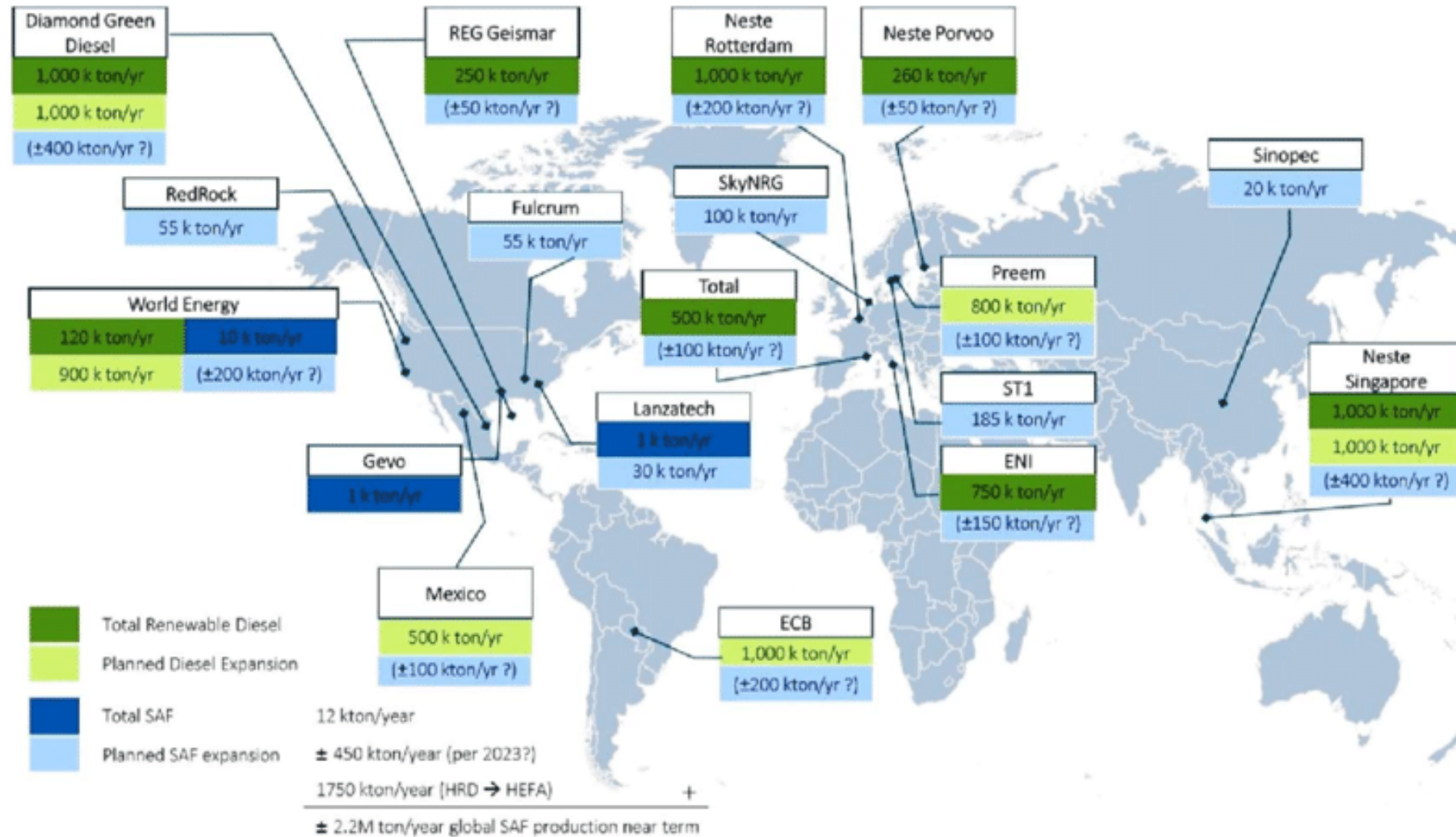
R&D strength and potential



Agriculture and feedstock availability



# Existing and Announced SAF Production





# Why Now?

## Highlights of the SAF Opportunity for Kentucky

- Federal government incentives enacted in 2022 available through 2025
- Opportunity for economic development investment through SAF production (potential incentives to attract production here)
- Development of state-level policy appropriate to Kentucky (potential incentives to address price disparity through per-gallon credit)



# Discussion & Questions



KENTUCKY  
**Sustainable Aviation Fuel**  
COALITION

# Thank you!

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