# ZERO-EMISSION VEHICLES TECHNOLOGIES: WHAT'S HERE AND WHAT'S NEXT

Presented by Tom Watson



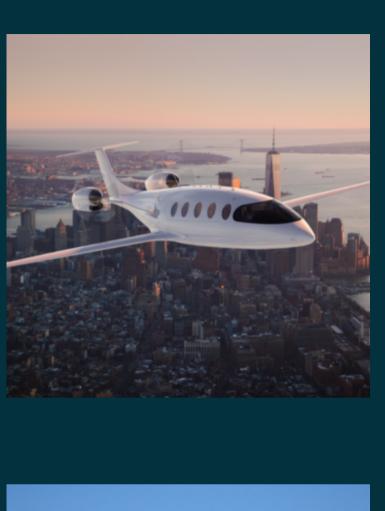
THE AVIATION INDUSTRY IS RESPONSIBLE FOR C.12% OF ALL TRANSPORTATION CARBON EMISSIONS ANNUALLY.

## AVIATION EMISSIONS IN THE US

### ACCORDING TO THE ENVIRONMENTAL & ENERGY STUDY INSTITUTE...

- 25% of all Aviation Emissions come from within the United States
- 85% of all Aviation travel within the United States is Short Haul (less than 3 hours)
- 30% of CO2 emissions remain in the atmosphere for 30 years, 50% for hundreds of years and 20% for thousands of years
- Contrails make up 30% of exhaust. Its warming effect is so large today that it exceeds the total warming influence of all of the CO2 emitted by aircraft since the beginning of powered flight
- By 2050, commercial aircraft emissions could triple given the projected growth of passenger air travel and freight

# **Guming** What's When?



### EVIATION ALICE

Range: 440NM

Year: 2024

8 PAX



#### JOBY AVIATION

Range: 150 miles

Year: 2024

4 PAX



#### WISK AERO

Range: 25 miles

Year: 2024

2 PAX



#### HEART - ES19

Range: 250NM

Year: 2026

19 PAX

# WHAT NEEDS TO BE DONE AND WHEN?

2021

- Lack of EV Aircraft Support
- Nonexistent charging infrastructure

2024

- 150 airports EV ready
- Primary and Secondary/Diversion
  Infrastructure in place across 10% of the USA

2030

- 1500 airports EV ready
- Primary and
  Secondary/Diversion
  Infrastructure in place across
  100% of the USA

# WHAT OBSTACLES MIGHT WE FACE?

- Airport Flowage Fees
- Who is going to pay for these units?
- Cost of new technology is expected to be much higher to deliver Fast Charge
- Skepticism over Battery safety
- FAA Approval delays



## THE TIME TO ACT IS NOW

#### INVEST IN THE FUTURE, TODAY.

It's time to come together and lead the change. While the task may seem daunting, the truth is that electric aviation and grid modernization are entirely possible.

We know what we have to do, we just have to begin. Time is of the essence. If we want to make meaningful and impactful change, we must start today.

### LET'S TALK



#### THOMAS WATSON

Co-Founder of eviAir

EMAIL ADDRESS

tom@flyevi.com

PHONE NUMBER

+1 (832) 594-2665