

# KCIA Sustainability Initiatives

- **Electric Aircraft Charging Station**
- **Electric Vehicle- Transition,**
- **SCAP**
  - **Solar**
  - **Paperless Billing**
  - **LED- Transition**
  - **Salmon Safe Certification**
- **Sustainable Fuels/Biology**



## **Electric Aircraft** **Charging Station**

- Siting- Terminal, FBO interest.
- Utility Challenges
- Compatibility
- Future Growth



## Electric Vehicles.

- King County Initiatives-
  - No light duty nonelectric purchases
  - Full electric 2030
  - Electric Heavy Duty, ARFF vehicles.
- Challenges
  - Charging- On location and at home.
  - Costs
  - Supply Chain
  - Resiliency

Making King County more

## RESILIENT, SUSTAINABLE & EQUITABLE

2020 Strategic Climate Action Plan



### SCAP

- Carbon Accreditation- ACI Level 2
- Solar- Existing and new facilities
- LED- Upgrades
- Paperless Billing
- HVAC upgrades
- New development requirements.

## What is Sustainable Aviation Fuel?

SAF is a "drop-in" fuel that can be blended with jet fuel and used in aircraft without any engine modification required.



Made of sustainable resources like:

- Municipal solid waste
- Used cooking oil
- Food waste/sugars
- CO<sub>2</sub> & green H<sub>2</sub>

Up to **80%** less CO<sub>2</sub> over its lifecycle compared to jet fuel

**+300,000\*** flights have run on SAF since 2011



**2011**

Launch of first series of A321 passenger flights using 50% blended biofuels (Lufthansa)

**2012**

North America's first "Perfect Flight" using 50% blended biofuels on A319 (Air Canada)

**2015**

First flight of A320 operating on 10% SAF blend

**2016**

First customer deliveries of SAF-enabled aircraft

**2019**

Launch of SAF use for Airbus Beluga operations

**2021**

First flight of A350 operating on 100% SAF blend

**AIRBUS**

## Sustainable Fuels

- SAF- FBO provider, tenant self fuelers
- Unleaded Fuel- Local and National participation.
- Fuel Farm
  - Public Outreach
  - Sustainable Fuel Requirement

# QUESTIONS?

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Photos courtesy of

[Airbus: an A350 Fuelled by 100% Sustainable Aviation Fuel Just Took off - Biofuels Central](#)

[www.stateaviationjournal.com](http://www.stateaviationjournal.com)

[www.Bronxnews12.com](http://www.Bronxnews12.com)