



COLORADO
Department of Transportation
Division of Aeronautics

Aeronautics Division Briefing

David Ulane, Director





COLORADO
Department of Transportation
Division of Aeronautics

Our Mission & Vision

Our Mission

The mission of the CDOT Division of Aeronautics is to support Colorado's multi-modal transportation system by advancing a safe, efficient, and effective state-wide aviation system through collaboration, investment and advocacy.

Our Vision

The vision of the CDOT Division of Aeronautics is to be the leading air and space organization by enhancing the efficiency, economic benefit, and sustainability of Colorado's aviation system through funding, innovation, education, and pioneering initiatives.



COLORADO

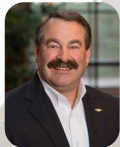
Aeronautical Board



Kenneth Maenpa -
Chair
Western Slope Governments



Kent Holsinger - Vice Chair
Western Slope Governments



Mark Van Tine - Secretary
Aviation Interests-at-large



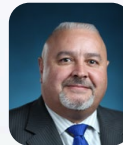
Steve Lee
Airport Management



Trimbi Szabo
Pilot Organizations



Daniel Melia
Eastern Plains Governments



Chaz Tedesco
Eastern Plains Governments



COLORADO

AIRPORT SYSTEM



COLORADO
Department of Transportation

Division of Aeronautics

**PLANNING
REGIONS**

- Kip McClain
- Kaitlyn Westendorf
- Scott Storie

LEGEND

- ✖ Commercial Service Airport (14)
- ✖ Publicly-Owned & Operated Airport (51)
- ✖ Privately-Owned Airport Open to the Public (8)
- ⚓ Seaplane Base (2)
- ✈ Non-NPIAS Airport (25)
- 🌀 Mountain Automated Weather Observing System (AWOS) (13)



COLORADO'S AVIATION SYSTEM

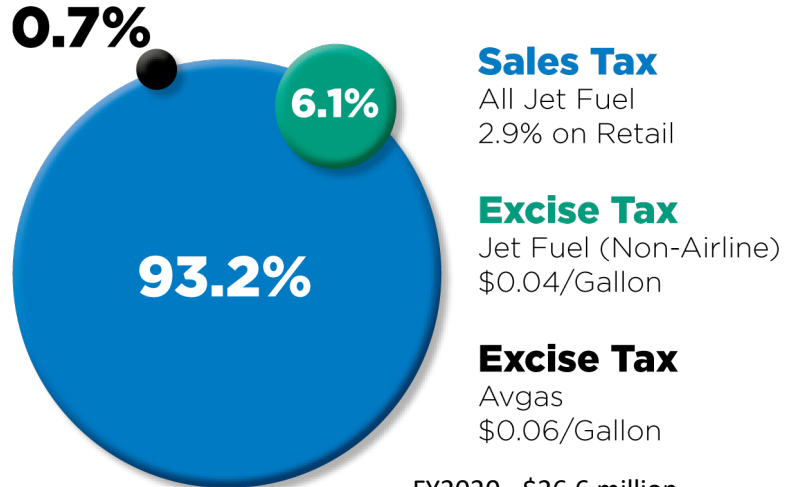
Colorado's aviation system serves as a vital component of the state's economy and transportation network. Colorado's aviation system has:

- 66** Airports included in the 2020 CASP
- 14** Commercial Service Airports
- 52** General Aviation (GA) Airports
- 49** Airports included in the National Plan of Integrated Airport Systems (NPIAS)

- 53** Airports with on-site weather reporting
- 57** Airports offering fuel
- 9** Airports with air traffic control towers (ATCTs)



Aviation Tax Revenue Structure



Sales Tax

All Jet Fuel
2.9% on Retail

Excise Tax

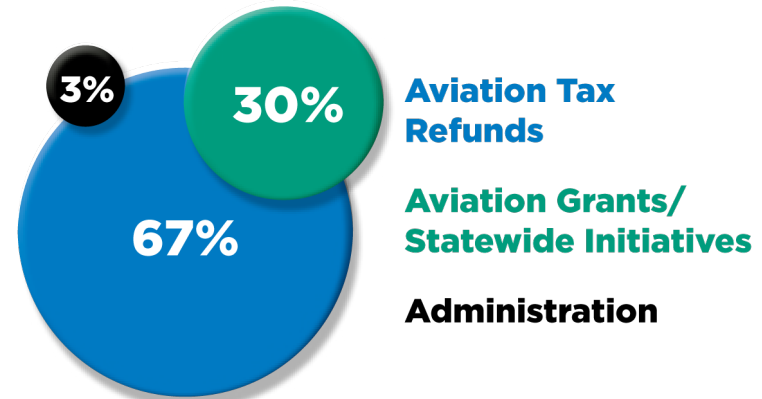
Jet Fuel (Non-Airline)
\$0.04/Gallon

Excise Tax

Avgas
\$0.06/Gallon

FY2020- \$26.6 million
FY2021 - \$17.0 million
FY2022 - \$43.6 million
FY2023- \$63.0 million

Aviation Tax Expenditures



Aviation Tax Refunds

Aviation Grants/ Statewide Initiatives

Administration



COLORADO

Department of Transportation

Division of Aeronautics

FY 2023 Aviation Grant Summary

- Awarded a total of 48 discretionary grants to 43 airports
- **TOTAL CDAG FUNDS AWARDED: \$13.5 Million (Up from \$10.1 Million in FY 2022)**

2023 Colorado Discretionary Aviation Grant (CDAG) Program

		State Funding	Local Funding	Federal Funding	Total Funding
State and Local Program		\$9,497,450	\$1,455,278	N/A	\$10,952,728
Federal Match Program	Airport Improvement Program (AIP)	\$2,948,826	\$5,652,891	\$80,054,698	\$88,656,415
	Bipartisan Infrastructure Law (BIL)	\$1,070,857	\$1,126,596	\$21,258,770	\$23,456,223
Grand Total (43 Airports)		\$13,517,133	\$8,234,765	\$101,313,468	\$123,065,366



*Excluding DEN

20  23

COLORADO

AVIATION PUBLICATIONS



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Land your
Dream.



The Division of Aeronautics partners with several Colorado airports to provide internship education programs.

- Airport Management & Administration
- Airport Planning & Development
- Aircraft Rescue & Firefighting
- Snow Removal Operations
- Airport Incident Management



codot.gov/programs/aeronautics/internships



Create
Opportunity.



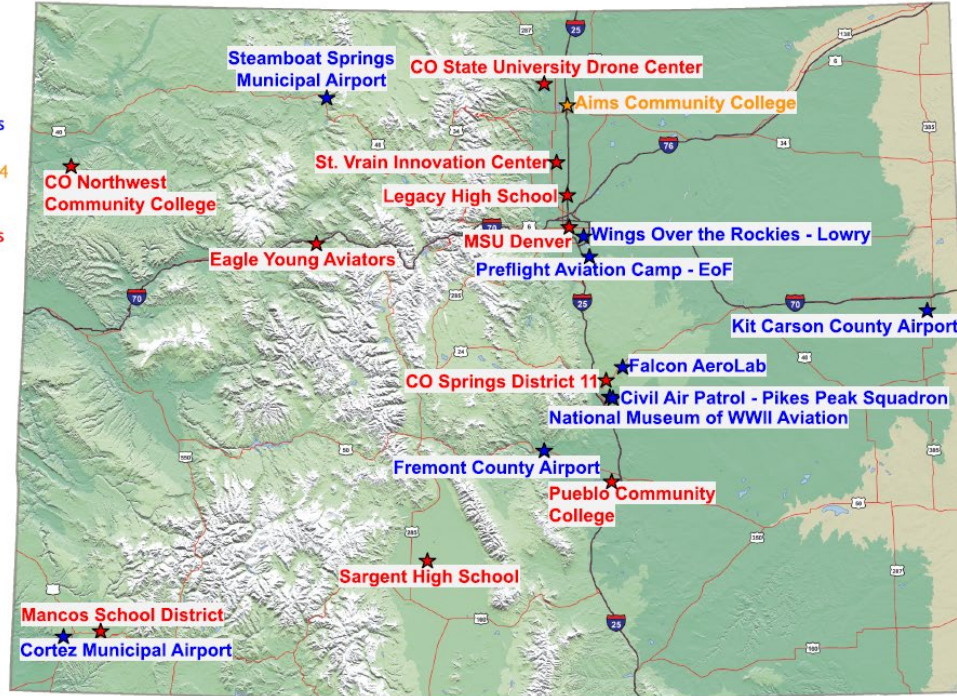


Aviation Education Grant Program

2023 Colorado Aviation Education Grant Recipients

Legend

- ★ FY23 Grants
- ★ FY23 & FY24 Grants
- ★ FY24 Grants

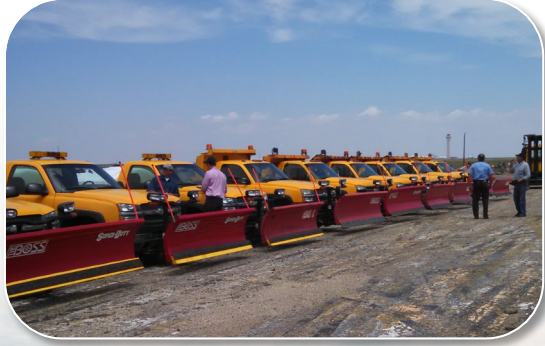


Statewide

Colorado Digital Learning Solutions
Colorado Pilots Association



Surplus Airport Equipment Program





Mountain Automated Weather Observing Systems Program



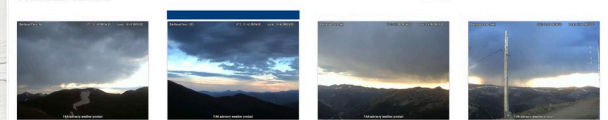
Third Party hosted site - Images provided courtesy of:
Colorado Division of Aeronautics (CDOT Aero)

Current Images Site Information METAR PIREPs/AIREPs TAFs Loop

Berthoud Pass (SE) UTC: 01:42:08/04:20 Local: 10:42:08/03:20

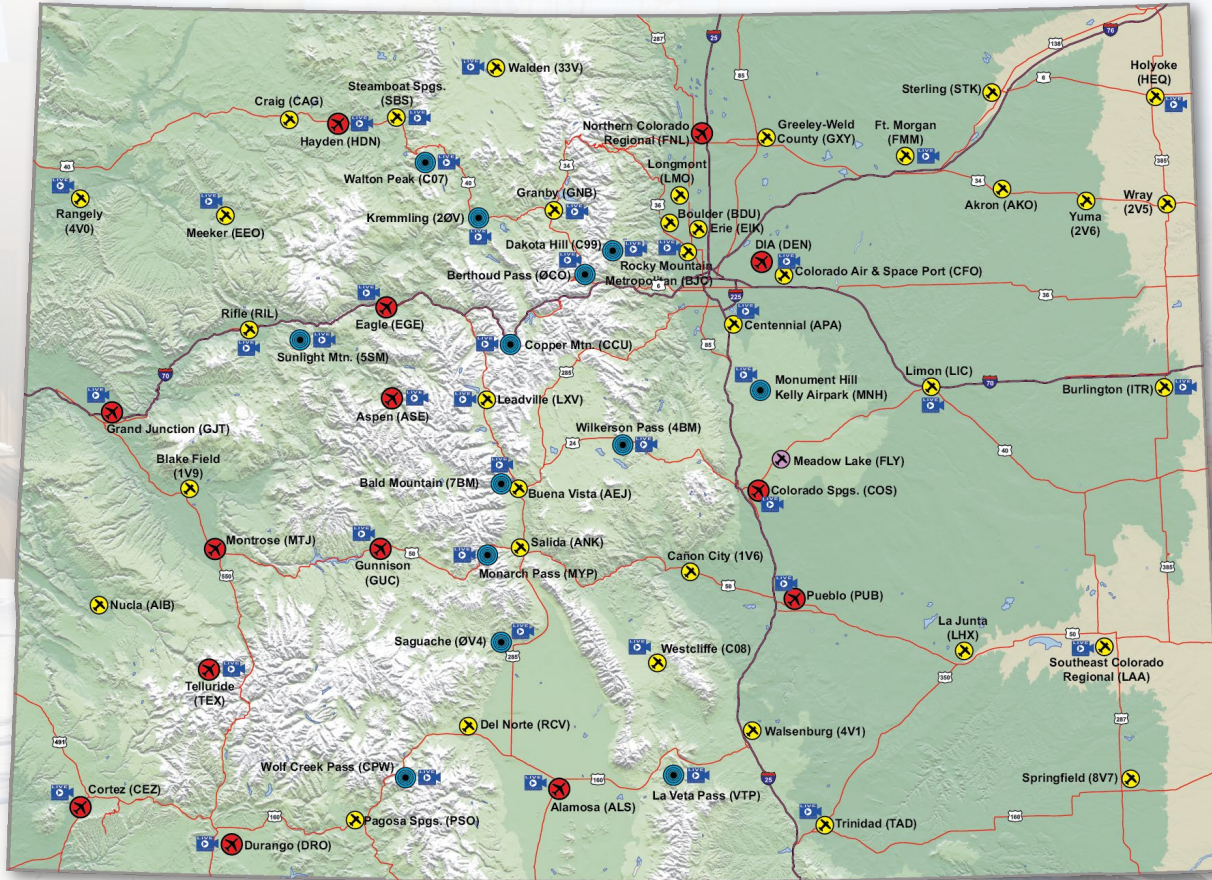
Clear Day


FAA advisory weather product







Colorado Statewide Weather Systems



 Mountain AWOS Program

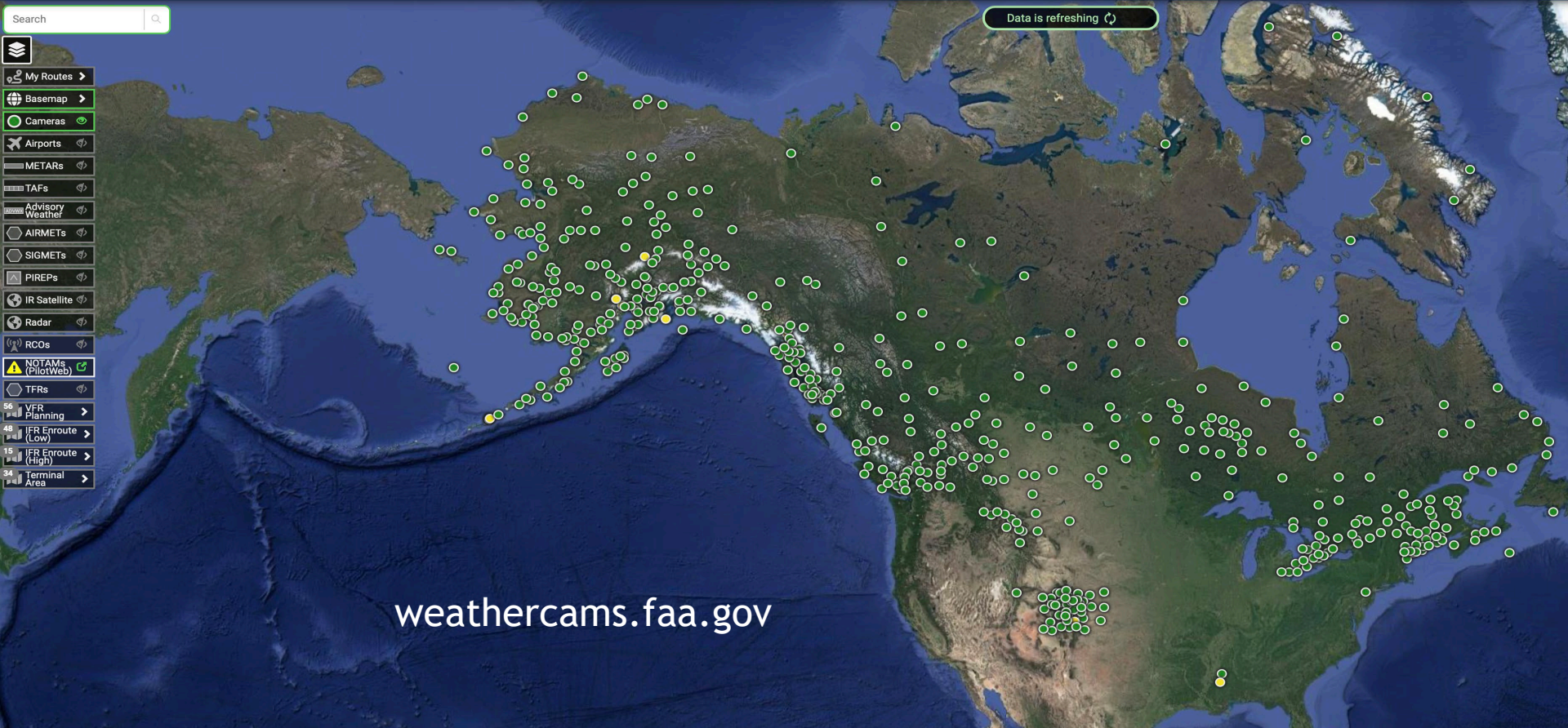
 GA Airport With AWOS

 Commercial Service Airport with AWOS

 WeatherCams.faa.gov



A Culture of Innovation and Leadership





A Culture of Innovation and Leadership

Sunlight Mountain (5SM) UTC:00:00:35 Local:18:00:35
Third party hosted camera site.

METAR K5SM 212305Z AUTO 24006KT 10SM CLR 16/M03 A3056 RMK A02

Sunlight Mountain (NE) UTC: 23:54 09/21/20 Local: 17:54 09/21/20

10,300' MSL
14.0 SM

8600' MSL
10.0 SM

Castle Peak
11,300' MSL
38.0 SM

Site Elevation: 10593' MSL

Show Camera Loop

NorthEast (36°) SouthEast (114°) West (270°) NorthWest (329°)

Weather Data Weather Trends PIREPs Sectional RCO Site Info NOTAMs (PilotWeb)



2020 Colorado Aviation System Plan





Safety and Efficiency

Advance Colorado's airport system by promoting and preserving safe and efficient facilities, on and off airports.

Access and Mobility

Provide Colorado's airports with infrastructure and sufficient capacity enabling the public adequate access and mobility utilizing the aviation system.

Economic Sustainability

Support sustainable economic growth and development and continue Colorado's existing status as a leader in technology, testing, and the aerospace industry.

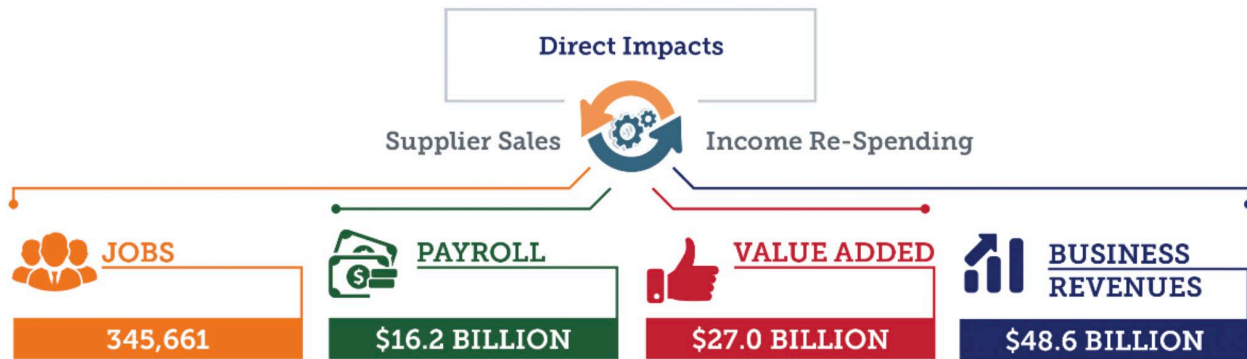
System Viability

Preserve airport system assets to promote fiscal responsibility and sustainable, cost-effective investments to ensure the system's long-term viability.



2020 Colorado Aviation Economic Impact Study

Comparison of Study Results Total Statewide Economic Impacts



Business Revenues	\$36.7B	\$48.6B	↑ \$11.9B	↑ 32%
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2021 Division Strategic Plan



Mission	The Mission of the CDOT Division of Aeronautics is to support Colorado's multi-modal transportation system by advancing a safe, efficient, and effective statewide aviation system through collaboration, investment, and advocacy.
Vision	The Vision of the CDOT Division of Aeronautics is to be the leading state aviation organization by enhancing the efficiency, economic benefit, and sustainability of Colorado's aviation system through funding, innovation, education, and support of current and emerging technologies.
Goal 1	Engage with industry to support and facilitate emerging technologies (e.g., alternatively powered aircraft, aviation fuels, navigation, air traffic control, etc.) by the end of fiscal year 2024.
Goal 2	Expand the Division's outreach, education, and advocacy programs to facilitate engagement with stakeholders and industry partners by the end of fiscal year 2024.
Goal 3	Enhance internal professional development to strengthen the capabilities of the Division by the end of fiscal year 2024.
Goal 4	Explore and, where appropriate, implement or support new and improved statewide initiatives that sustain the aviation system by the end of fiscal year 2024.



Battery & Electric Powered Aircraft



COMMUTE
R



CARGO



EXECUTIVE



EVIAATION
ALICE





Battery & Electric Powered Aircraft



BYE AEROSPACE



eFLYER
800



Battery & Electric Powered Aircraft





Hybrid/Hydrogen Fuel Cell Powered Aircraft





Hybrid/Hydrogen Fuel Cell Powered Aircraft





Hybrid/Hydrogen Fuel Cell Powered Aircraft





Hybrid/Hydrogen Fuel Cell Powered Aircraft

Introducing Airbus ZEROe

Turboprop



<100
Passengers



Hydrogen
Hybrid Turboprop
Engines (x 2)

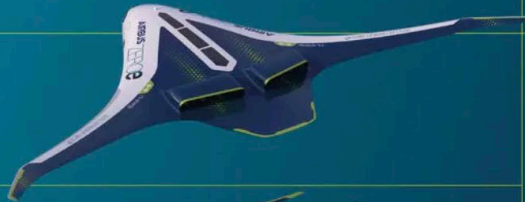


1,000+nm
Range



Liquid Hydrogen
Storage & Distribution
System

Blended-Wing Body



<200
Passengers



Hydrogen
Hybrid Turbofan
Engines (x 2)



2,000+nm
Range



Liquid Hydrogen
Storage & Distribution
System

Turbofan



AIRBUS

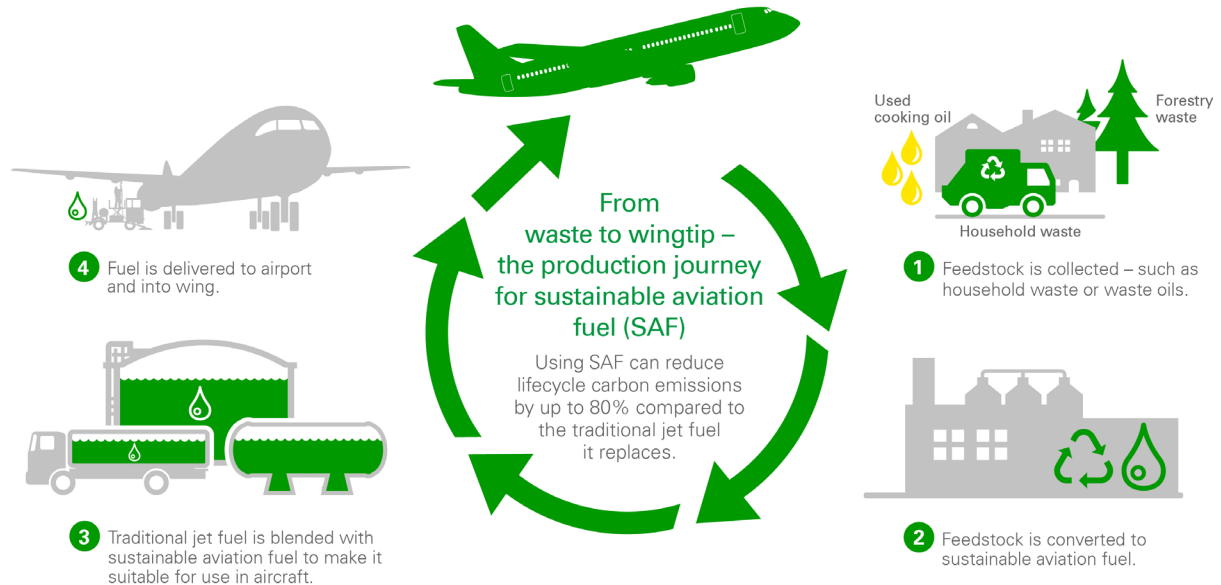


Sustainable Aviation Fuel





How is sustainable aviation fuel made?





Sustainable Aviation Fuel



EAGLE COUNTY
Regional Airport



ASPEN/PITKIN COUNTY AIRPORT



Working Together



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Division of Aeronautics



Colorado Remote Tower Project



NORTHERN COLORADO REGIONAL AIRPORT





Colorado Remote Tower Project

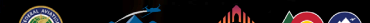



COLORADO
Remote Tower
PROJECT





Colorado Remote Tower Project





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Colorado-Aeronautics.org

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303-512-5254



COLORADO
Remote Tower
PROJECT
ColoradoRemoteTower.com

