



ADAMS COUNTY

COLORADO

Advancing Adams

These Values:



Equity



Sustainability



Livability



Guided These Plans:



ADVANCING **ADAMS**
PARKS, OPEN SPACE & TRAILS



ADVANCING **ADAMS**
COMPREHENSIVE PLAN



ADVANCING **ADAMS**
TRANSPORTATION



Advancing Adams

Six Major Components



Community and Housing



Built Environment and
Connections



Cultural Heritage



Natural Resources &
Environment



Economic Development



Five Strategic Corridors
& Subareas

Development Standards Overhaul (DSO)



Development Standards Overhaul (DSO)

Four areas of focus include:

1. Residential and subdivision standards
2. Commercial and industrial standards
3. Environment and sustainability standards
4. Process improvements

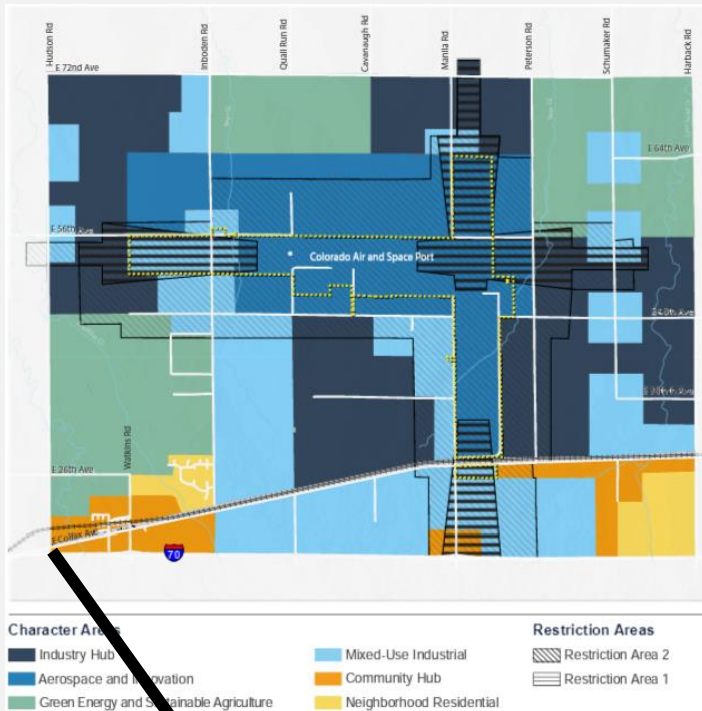


Subarea Plans & Studies

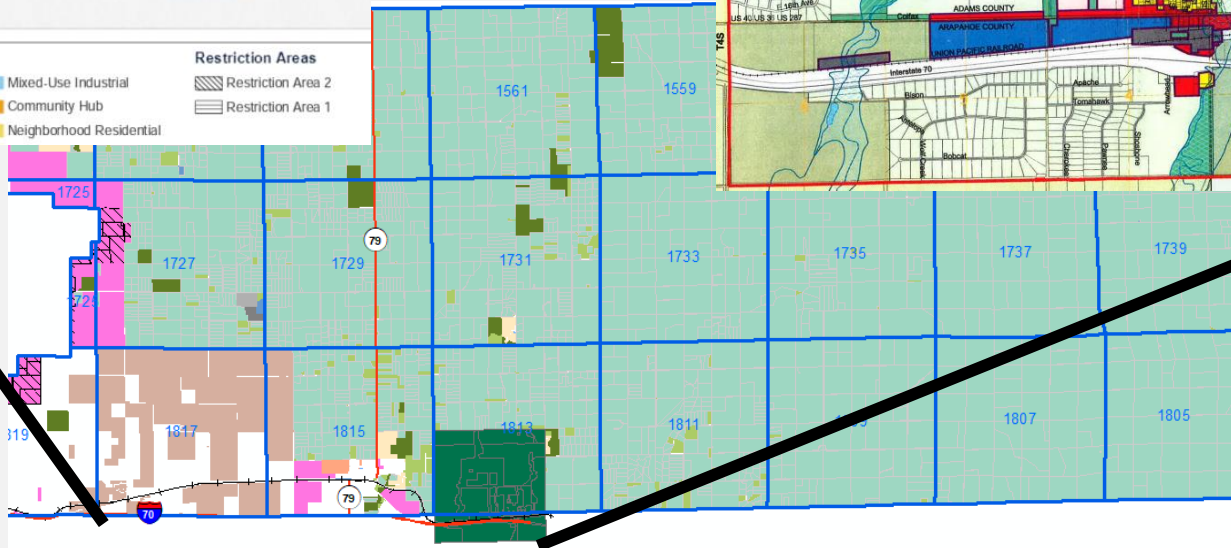
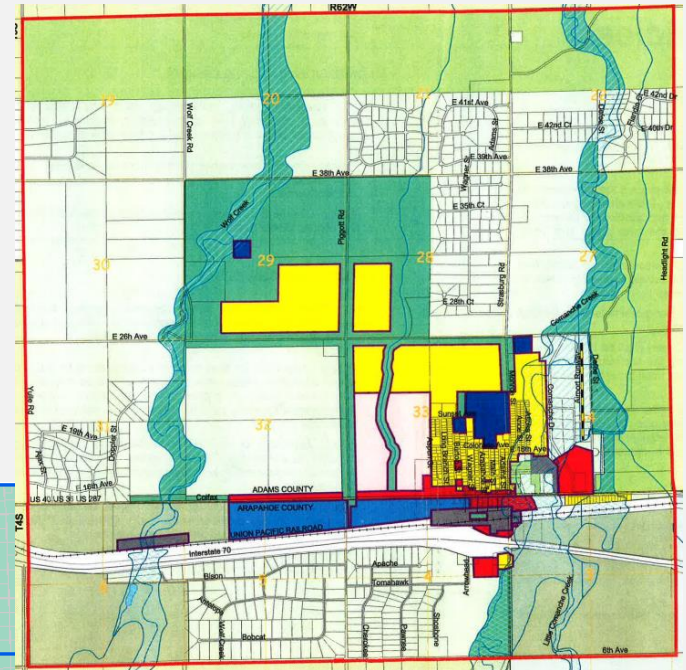


Eastern Adams Subarea Plans

CASP Subarea Plan (2021)



Strasburg Subarea Plan (2002)



Upcoming Studies

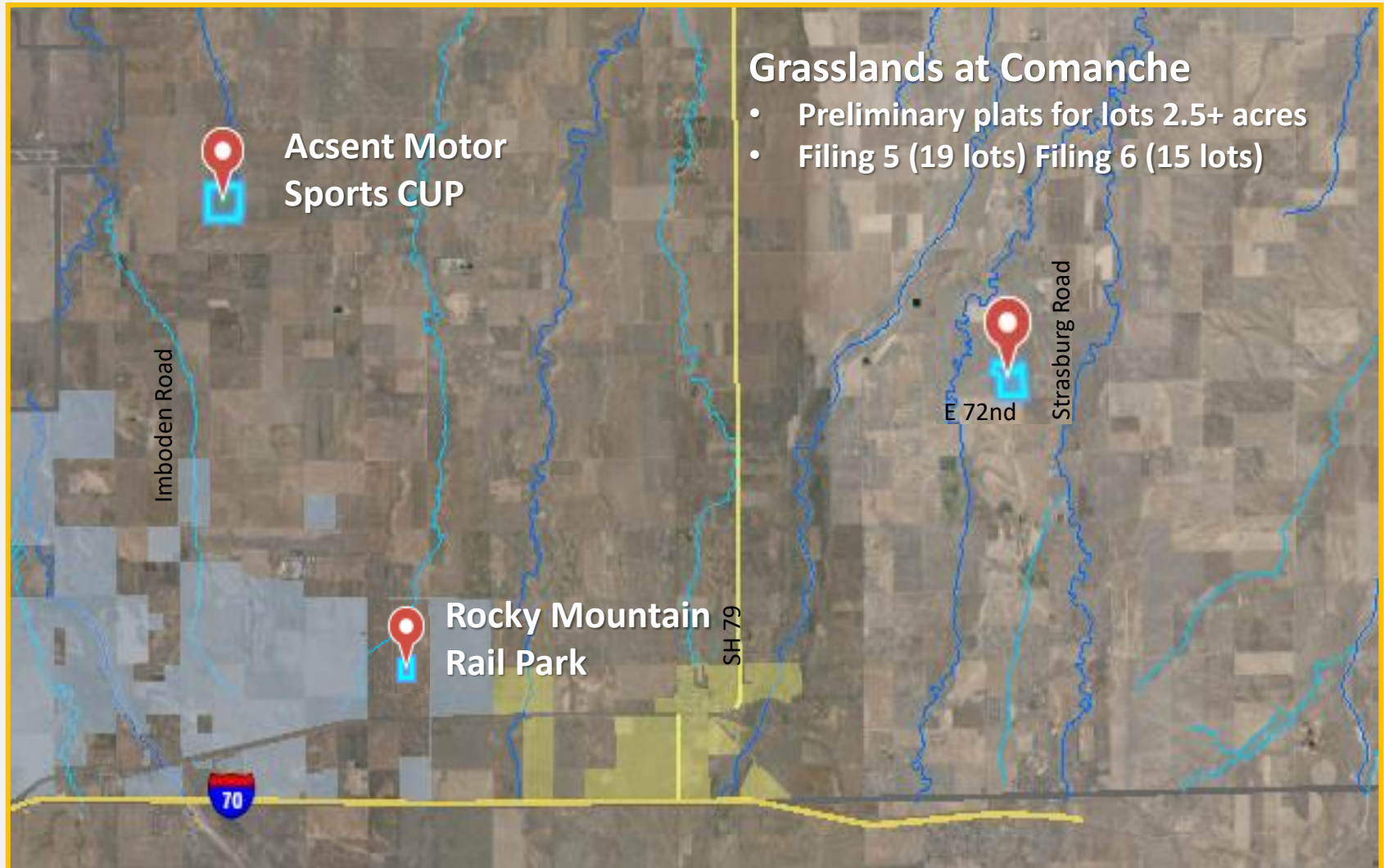
County-wide Water Analysis

- **HB 20-1095: Local Governments Water Elements in Master Plans into law.**

Other County Updates



Land Use Approvals



Transportation Updates

- E-470 at Sable Boulevard
- I-70 East
- 120th Avenue

Colorado Air & Space Port Updates



Colorado Air & Space Port (CASP)



- 2022 Successes

- New Leadership Team (Director, Deputy Director)
- Completed Spaceport Master Plan
- New Fuel Provider (Epic Fuels)
- Taxiway Light Project Completed
- Signed Lease with Maxar (Satellite Image Calibration)
- Reaction Engines HTX Testing

- 2023 Priorities

- Modernizing Processes (Leasing, FBO Operations, Fleet)
- Establishing Partnership w/ University Aerospace Programs
- Business Development and Growth Strategy
- Perimeter Fencing Project (\$7M)

Colorado Air & Space Port (CASP)

Aerospace & Defence

+ Add to myFT

The UK's attempt to make hypersonic flight a reality

Reaction Engines is part of a consortium developing an engine for military aircraft that could fly five times the speed of sound



The fictional hypersonic Darkstar jet from the film 'Top Gun: Maverick' © Paramount Pictures/Mariusz Burcz/Alamy

Reaction and US Air Force progress air breathing engine technology testing

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BY BEN SAMPSON ON 4TH JANUARY 2023

DEFENSE, ENGINE TESTING



Foreign Comparative Testing (FCT) during active test at the test site in Colorado (Image: Reaction Engines)

Reaction Engines has successfully completed a testing campaign to assess the suitability of its high-Mach air breathing engine technology for use in US Air Force jets.

Global and Regional Supersonic and Hypersonic Aircraft Market Analysis and Forecasts, 2022-2032: Increased Demand in Military and Commercial Air-Cargo Flights to Take the Market to New Heights - ResearchAndMarkets.com

January 05, 2023 07:23 AM Eastern Standard Time

DUBLIN--(BUSINESS WIRE)--The "Supersonic and Hypersonic Aircraft Market - A Global and Regional Analysis: Focus on Application, Subsystem, Speed Regime, and Country - Analysis and Forecast, 2022-2032" report has been added to ResearchAndMarkets.com's offering.

Colorado Air & Space Port (CASP)

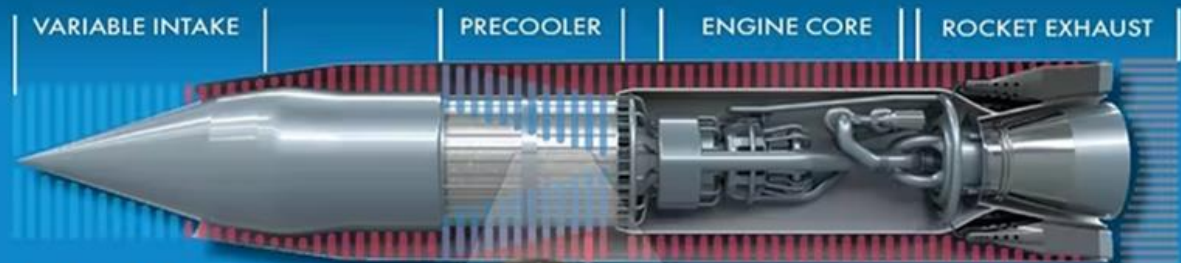
A MAJOR BREAKTHROUGH IN AEROSPACE TECHNOLOGY

Reaction Engines has successfully tested its innovative precooler at conditions representing airflow at five times the speed of sound, marking a significant milestone in the development of its SABRE™ engine and paving the way for a revolution in hypersonic flight and space access



REACTION ENGINES

SABRE - SYNERGETIC AIR-BREATHING ROCKET ENGINE



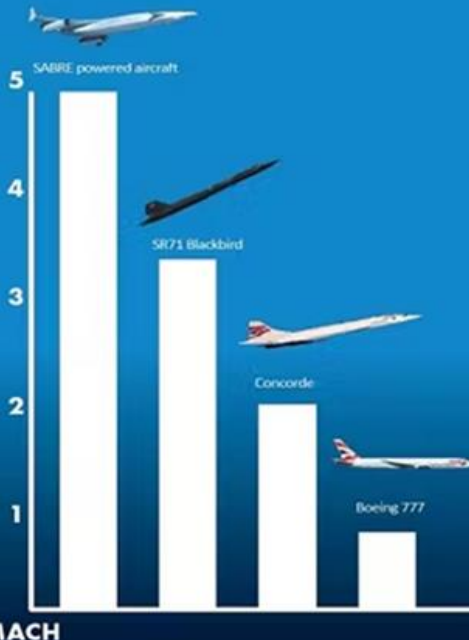
PRECOOLER - HOW IT WORKS

- At hypersonic speeds air entering the SABRE engine is heated to over 1,000°C
- The precooler consists of thousands of thin walled tubes, through which super chilled coolant is passed
- The wall of each tube is thinner than a human hair allowing cooling of the 1,000°C airflow in less than 1/20th second – faster than the blink of a human eye



FAST FACTS

- Demonstrated 3.8 MW of heat transfer – equivalent to the power required for 4,000 homes
- Contains over 42km of tubing – the length of a marathon race
- Enables SABRE to operate at five times the speed of sound – more than 1.5x faster than the SR-71 Blackbird aircraft and 2.5x as fast as Concorde



SABRE DEVELOPMENT PROGRAMME



CORE TESTING



FLIGHT DEMONSTRATOR



NEXT GEN SPACE LAUNCHERS



HYPERSONIC AIRCRAFT

REVOLUTIONISING MULTIPLE INDUSTRIES



HIGH PERFORMANCE JET ENGINES



MOTORSPORT



ENVIRONMENTALLY EFFICIENT COOLING



HYBRID ELECTRIC AIRCRAFT SYSTEMS

Business Registration Program

A promotional poster for the Adams County Business Registration Program. The top section features the text 'ADAMS COUNTY' in a light green, sans-serif font, with a circular seal containing a stylized 'A' and a mountain range between the words. Below this, the word 'BUSINESS' is written in large, bold, dark blue letters, followed by 'REGISTRATION PROGRAM' in a smaller, dark blue, sans-serif font. The central image shows a smiling man with a beard and mustache, wearing a dark vest over a grey long-sleeved shirt, standing in a warehouse with shelves of boxes in the background. A small QR code is overlaid on his chest. At the bottom, there is a yellow horizontal line, followed by text in white and yellow. The text reads: 'Attention business owners and managers – sign up for the county's voluntary Business Registration program to receive updates on helpful county resources and relevant news. Open to all businesses in Adams County.' Below this, it says 'For more information and frequently asked questions, scan the code above with your phone or visit' followed by the URL 'adcogov.org/business-registration-program' in yellow.

ADAMS COUNTY

BUSINESS

REGISTRATION PROGRAM

Attention business owners and managers – sign up for the county's voluntary Business Registration program to receive updates on helpful county resources and relevant news. Open to all businesses in Adams County.

For more information and frequently asked questions, scan the code above with your phone or visit adcogov.org/business-registration-program.



Questions?

