



# Using TREDAir For Airport Systems

June 24, 2021

# Agenda

- 1. Background and Features**
2. Applications and Inputs
3. Demonstration
4. Questions and Discussion



# Background



- Based upon methodology developed for analyzing airports and systems
- Quantify full economic value and revenue generation of airports
- Evaluates economic value of airports: airport administration, tenants, construction, tourism and ensuing supply chains
- Enables scenario analysis and prioritization of future planning or investments
- Evaluate trade offs between different services

# Key Features



- **Customizable system:**
  - Cloud based
  - Evaluate single airport, selected airports, regions, or entire system
  - Up to 544 industry sectors available
- **Captures the direct, indirect, and induced impacts of:**
  - Changes in capital and operations spending and plans
  - On and off airport expansion
  - Shift in services (GA and commercial)
  - Tourism and passengers
  - Freight
  - Other “what if” scenarios: post pandemic, new technologies

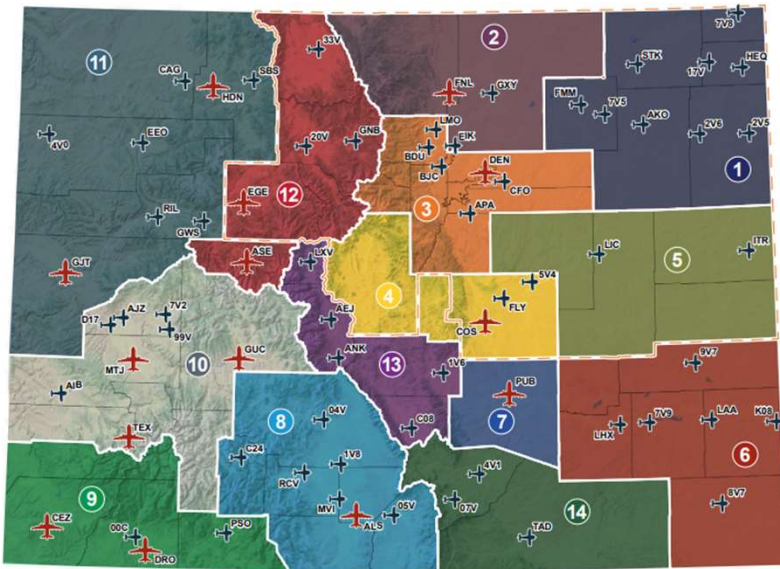
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# Recent Applications: Colorado

Core aviation plan,  
system performance,  
and capital and  
operations



**COLORADO**  
Department of Transportation

INPUTS      SCENARIO REPORTS

Code	Airport Name (reset selection)	City	County
00C	Animas Airpark	Durango	La Plata
ASE	Aspen-Pitkin County/Sardy Field	Aspen	Pitkin
RCV	Astronaut Kent Rominger	Del Norte	Rio Grande
AJZ	Blake Field	Delta	Delta
05V	Blanca	Blanca	Costilla
BDU	Boulder Municipal	Boulder	Boulder
7V5	Brush Municipal	Brush	Morgan
5V4	Calhan	Calhan	El Paso
APA	Centennial	Denver	Arapahoe
AEJ	Central Colorado Regional	Buena Vista	Chaffee
AKO	Colorado Plains Regional	Akron	Washington
COS	Colorado Springs Municipal	Colorado Springs	El Paso
CEZ	Cortez Municipal	Cortez	Montezuma
CAG	Craig-Moffat	Craig	Moffet
99V	Crawford	Crawford	Delta
07V	Cuchara Valley at La Veta	La Veta	Huerfano
DEN	Denver International	Denver	Denver
DRO	Durango-La Plata County	Durango	La Plata
9V7	Eads Municipal	Eads	Kiowa
EGE	Eagle County Regional	Eagle	Eagle
EIK	Erie Municipal	Erie	Weld
FMM	Fort Morgan Municipal	Fort Morgan	Morgan
1V6	Fremont County	Canon City	Fremont
CFO	Front Range Airport/Colorado Air and Space Port	Denver	Adams
GWS	Glenwood Springs Municipal	Glenwood Springs	Garfield
GNB	Granby-Grand County	Granby	Grand
GJT	Grand Junction Regional	Grand Junction	Mesa
GXY	Greeley-Weld County	Greeley	Weld

**JOBS**

**345,661**

**VALUE ADDED**

**\$27.0 BILLION**

**PAYROLL**

**\$16.2 BILLION**

**BUSINESS REVENUES**

**\$48.6 BILLION**

# Recent Applications: Washington



You are Here: [Home](#) > Aviation

Calculator Links

Aviation Economic Impact Calculator

Instructions

Sample Projects

Airplane Capacity

Aviation

Aviation Home

State Airports

Airport Grants Program

State Capital Improvement Program

Search & Rescue

Planning

Education and Training

Aviation Economic Impact Calculator

Bellingham International

Spending

Employment

Results

SAVE

	Baseline	Scenario
<b>Airport Capital Annual Budget</b>	\$7,715,572	\$7,715,572
<b>Airport Operational Annual Budget</b>	\$3,550,871	\$3,550,871
<b>Other On-Airport Capital Expenditures</b>	\$0	\$0

	Baseline	Scenario		Baseline	Scenario
<b>COMMERCIAL</b>			<b>GENERAL AVIATION</b>		
# Enplanements (people)	362,868	362,868	# Operations	52,943	52,943
% Visitors	26.45	26.45	% Transient operations	30.59	30.59
			Avg # of people per operation	4	4
Total Visitors	95,979	95,979	Total Visitors	32,391	32,391

	Visitor Spending			
	Baseline	Scenario	Baseline	Scenario
<b>COMMERCIAL</b>			<b>GENERAL AVIATION</b>	
Lodging \$ per trip	\$231	\$231	Lodging \$ per trip	\$118
Restaurant/bar \$ per trip	\$231	\$231	Restaurant/bar \$ per trip	\$119
Local transportation \$ per trip	\$120	\$120	Local transportation \$ per trip	\$62
Retail \$ per trip	\$154	\$154	Retail \$ per trip	\$79
Entertainment \$ per trip	\$92	\$92	Entertainment \$ per trip	\$47
<b>Total spending \$ per trip</b>	<b>\$828</b>	<b>\$828</b>	<b>Total spending \$ per trip</b>	<b>\$425</b>

# Inputs

## Users Select:

Airports and Regions

## Users Define or Supply:

Airport Capital and O&M Budgets

Commercial Enplanements, GA Operations, and Visitor Spending

Airport and Tenant Jobs

## Results Include:

### Economic Impacts by:

1. Type of Operations: On-airport, construction, visitor spending, or by airport
2. Outputs: Jobs, payroll, value added, and revenues
3. Impacts by Components:
  - A. Direct, indirect, and induced;
  - B. Operations, capital, and tourism

## Analytics Include:

- Economic Impact Module powered by IMPLAN.
- Based on decades of economic impact analysis of aviation.



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**TREDIS<sup>®</sup>**

**DEMONSTRATION**

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**THANK YOU!**

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