

## ECONOMIC ANALYSIS OF AIRPORT SYSTEMS

**TREDAIR** provides comprehensive estimates of economic contributions of single airports and airport systems. **TREDAIR** offers detailed industry level and regional reporting of impacts in terms of jobs, labor incomes, and business revenues. These insights capture changes in capital and operations and maintenance spending, visitor spending, and on-airport tenant employment.

**TREDAIR** has been used for system plans and stand-alone economic impact analyses. DOTs have used **TREDAIR** for scenarios and provided public-use tools on the web.



### Why TREDAIR?

- Allows users to estimate the current and future economic contributions associated with a single airport or an airport system.
- Provides the magnitude of economic contributions based on various scenarios,
- Evaluates the economic value that a single airport or an airport system can create for communities, regions, or states.

### KEY FEATURES:

- **Airport Selection:** Analyze single or multiple airports. Measure impacts for regional or statewide aviation systems.
- **Customizable Airport Data:** Utilize baseline values from surveys or operational airport data.
- **Airport Visitor Spending:** View, analyze, and develop forecasts of visitor spending scenarios and airport operations.
- **Airport Tenant Employment:** View, analyze, and create forecasts of airport and tenant employment scenarios.
- **Scenario Reports:** Report scenario impacts by industry and by state, region, or airport.
- **Industries:** With 544 industry sectors available, industry inputs are flexible, and reports can be tailored to the airport or system's needs.

## Select Airport



## Enter Visitor Spending

**Airport Capital Annual Budget** Baseline: \$76,800,078 Scenario: \$3,000,000  
**Airport Operational Annual Budget** Baseline: \$75,571,512 Scenario: \$75,351,511  
**Other On-Airport Capital Expenditures** Baseline: \$0 Scenario: \$0

COMMERCIAL		GENERAL AVIATION	
Baseline	Scenario	Baseline	Scenario
# Flights/Weeks (people)	219,770 / 731,483	# Operations	870 / 870
% Visitors	74.33 / 80.00	% transient operations	75.00 / 75.00
<b>Total Visitors</b>	<b>209,422 / 185,189</b>	Average # of people per operation	9.30 / 8.30
		<b>Total Visitors</b>	<b>1,143 / 1,308</b>

COMMERCIAL		GENERAL AVIATION	
Baseline	Scenario	Baseline	Scenario
Lodging \$ per trip	\$249 / \$149	Lodging \$ per trip	\$227 / \$227
Restaurants/Bar \$ per trip	\$700 / \$785	Restaurants/Bar \$ per trip	\$194 / \$169
Local transportation \$ per trip	\$65 / \$65	Local transportation \$ per trip	\$71 / \$78
Retail \$ per trip	\$103 / \$103	Retail \$ per trip	\$60 / \$60
Entertainment \$ per trip	\$312 / \$312	Entertainment \$ per trip	\$40 / \$40
<b>Total spending \$ per trip</b>	<b>\$1,730 / \$1,353</b>	<b>Total spending \$ per trip</b>	<b>\$627 / \$627</b>

## Enter Tenant Employment

Activity	Baseline (FTE)	Scenario (FTE)
Airline Companies	100	100
Airport Terminal Facilities & Administration	100	100
Car Rental	100	100
Charters/Seasonal/Other than FBO	0	0
FBO	0	0
New Facilities Vehicle Repair and Maintenance	0	0
Rental of Aviation Equipment	0	0
Repair of Aviation Equipment	0	0
Sale of Aviation Equipment	0	0
Warehousing	0	0

## View Scenario Impact of all Airports

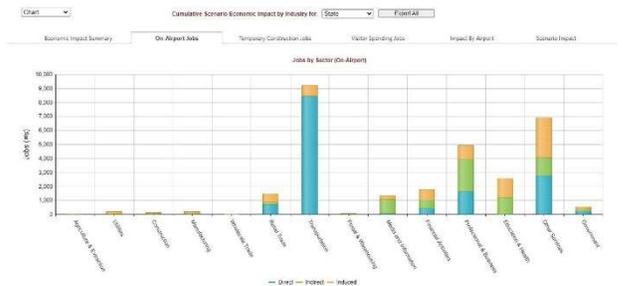
Cumulative Scenario Economic Impact by Industry for State:

Economic Impact Summary	On-Airport Jobs				Temporary Construction Jobs				Visitor Spending Jobs				Impact by Airport				Scenario Impact			
	Baseline	Scenario	Change	% Change	Baseline	Scenario	Change	% Change	Baseline	Scenario	Change	% Change	Baseline	Scenario	Change	% Change	Baseline	Scenario	Change	% Change
Direct Impact	100	100	0	0%	100	100	0	0%	100	100	0	0%	100	100	0	0%	100	100	0	0%
Indirect Impact	100	100	0	0%	100	100	0	0%	100	100	0	0%	100	100	0	0%	100	100	0	0%
Induced Impact	100	100	0	0%	100	100	0	0%	100	100	0	0%	100	100	0	0%	100	100	0	0%
<b>Total</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0%</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0%</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0%</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0%</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0%</b>

## Economic Impact Summary

Impact Type	Jobs (FTE)	Payroll (\$)	Value Added (\$)	Business Revenues (\$)
<b>Direct Impact</b>	<b>16,777</b>	<b>\$1,187,231,000</b>	<b>\$1,947,229,000</b>	<b>\$3,303,814,000</b>
On-Airport	14,243	\$952,000,000	\$1,758,219,000	\$2,977,184,000
Temporary Construction	40	\$2,710,000	\$2,660,000	\$5,000,000
Visitor Spending	2,494	\$202,521,000	\$1,166,350,000	\$2,281,630,000
<b>Supplier Sales (Indirect Impact)</b>	<b>2,824</b>	<b>\$209,490,000</b>	<b>\$399,974,000</b>	<b>\$7,625,622,000</b>
On-Airport	678	\$5,184,000	\$1,173,000,000	\$1,106,000,000
Temporary Construction	11	\$600,000	\$500,000	\$1,000,000
Visitor Spending	2,135	\$183,706,000	\$824,700,000	\$5,519,000,000
<b>Tenants Revenues (Induced Impact)</b>	<b>8,169</b>	<b>\$414,166,000</b>	<b>\$748,193,000</b>	<b>\$1,328,373,000</b>
On-Airport	6,164	\$39,670,000	\$69,011,000	\$1,181,828,000
Temporary Construction	22	\$1,360,000	\$1,870,000	\$3,500,000
Visitor Spending	2,023	\$103,136,000	\$197,212,000	\$1,143,045,000
<b>Total Impact</b>	<b>28,770</b>	<b>\$1,939,233,000</b>	<b>\$3,261,953,000</b>	<b>\$9,469,109,000</b>
On-Airport	23,620	\$1,128,848,000	\$2,077,219,000	\$3,506,619,000
Temporary Construction	73	\$4,070,000	\$4,530,000	\$9,500,000
Visitor Spending	4,077	\$763,315,000	\$1,140,204,000	\$4,852,990,000

## Economic Impacts by Industry



# EVALUATE POTENTIAL ECONOMIC OUTCOMES

## ACTIVITIES

- Contributions of existing and future airport and system operations
- Changes in on-airport operations
- Capital investments: infrastructure, terminals, or freight related
- Changes in off-airport operations
- Changes in passenger volumes
- Changes in regional visitor spending
- Long Range Plans

## TYPE OF IMPACTS

- Direct:** The direct impact of airport operations on the economy is represented by on-airport and visitor-related activities, as well as temporary construction.
- Indirect:** These supplier impacts are generated from the purchases of goods and services made by airport-based businesses, on-airport public sector agencies, and businesses in the hospitality industries.
- Induced:** This income impact is derived from new economic activity generating new payroll for workers and households. Additional business revenues, payroll, and jobs are supported as this income circulates within a specific region.