TEXAS DEPARTMENT OF TRANSPORTATION

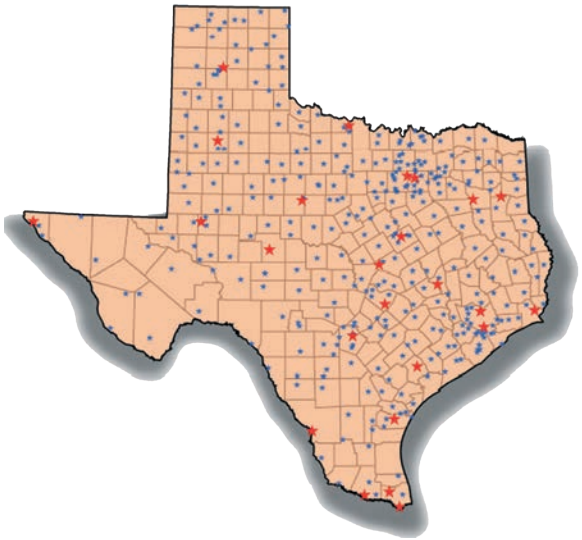
ECONOMIC IMPACT • 2011

General Aviation in Texas • Executive Summary

KEY FACTS ABOUT THE TEXAS AIRPORT SYSTEM:

- The Texas System's 25 commercial airports enplaned 67.7 million passengers in 2010.
- Dallas-Fort Worth International Airport is the 4th busiest airport in the nation with more than 27 million passenger enplanements.
- George Bush Intercontinental Airport in Houston is the 7th busiest airport in the nation.
- More than 7.8 billion pounds of cargo landed at Texas airports in 2010.
- Texas has almost 51,000 certificated pilots.
- In 2009 there were over 19,400 active aircraft in Texas, 2nd highest total in the nation.
- Stinson Field in San Antonio has the 5th busiest contracted airport traffic control tower in the nation. Denton Municipal is the 8th.

The presence of a high quality network of publicly accessible airports supporting general aviation activities in Texas has never been more important to the state's economy. Business and flight support activities at these airports generate billions of dollars in economic activity, create jobs, and improve business operating efficiencies that help Texas to recruit and retain some of the nation's best companies. In addition, Texas' network of safe and efficient airports helps communities across the state attract business and leisure visitors bringing new spending to their local economies. Quantifying these impacts allows the Aviation Division of the Texas Department of Transportation to better plan aviation support and infrastructure development projects supporting economic growth across the state.



TASP System Airports

CAPITAL SPENDING IMPACTS

TASP Capital Improvement Projects have boosted construction and related spending in Texas by almost $2.3 billion from 2006 through 2010. These expenditures have:

- Generated $4.7 billion in new economic activity.
- Supported over 37,000 job-years of employment.
- Boosted labor income by $1.8 billion.

Economic Impacts
Texas Airport System Plan Airports
State of Texas, 2010

Description	Impacts
General Aviation Activities:	
Output	$ 14,582,332,000
Labor Income	$ 3,127,309,000
Jobs	56,635
Commercial Activities:	
Output	$ 44,928,225,000
Labor Income	$ 20,103,760,000
Jobs	714,720
Total Aviation Activities:	
Output	$ 59,510,557,000
Labor Income	$ 23,231,069,000
Jobs	771,355

Sources: UNT Center for Economic Development and Research, Wilbur Smith Associates, and IMPLAN

Economic impact analysis estimates how spending flows through the economy. This analysis examines the impacts of operations and capital spending at Texas Aviation System Plan (TASP) airports for operations and capital improvements, the business operations of airport tenants, and visitor spending by itinerant pilots and their passengers. All of these business activities create downstream spending by vendors and employees creating a multiplier effect. The impacts are adjusted to capture just local spending, so the fuel sold by an FBO does not create many downstream jobs in the local economy – unless there is a fuel refinery nearby. The impacts reported to the left are based on statewide spending patterns. The tables on the following pages report the impacts of individual airports on their local economies. Our analysis estimates the impacts of aviation-related spending and business operations on:

- Output – the value of all directly and indirectly related business transactions.
- Labor Income – salaries, wages, and benefits paid to employees.
- Jobs – the number of jobs supported by all related business activities.

Economic Impacts of General Aviation Airports on Local Economies

(based on data provided by airports)

City	Airport	Output	Labor Income	Jobs
Addison	Addison	$369,749,760	$136,329,552	2,339.9
Alice	Alice International	$2,144,929	$949,634	25.6
Alpine	Alpine-Casparis Municipal	$2,168,823	$1,044,007	36.1
Amarillo	Tradewind	$3,556,089	$1,318,689	28.6
Anahuac	Chambers County	$636,266	$258,131	9.3
Angleton/Lake Jackson	Texas Gulf Coast Regional	$9,419,033	$3,132,451	66.8
Arlington	Arlington Municipal	$67,920,367	$24,006,171	559.9
Athens	Athens Municipal	$235,799	$102,102	3.2
Bay City	Bay City Municipal	$639,229	$292,093	8.8
Beaumont	Beaumont Municipal	$905,233	$408,642	11.5
Big Spring	Big Spring McMahon-Wrinkle	$9,253,086	$2,983,098	64.6
Bishop	Bishop Municipal	$226,781	$90,487	2.1
Bonham	Jones Field	$10,479,922	$5,769,695	107.7
Borger	Hutchinson County	$3,521,838	$1,399,212	22.3
Bowie	Bowie Municipal	$2,949,047	$1,662,859	27.9
Brenham	Brenham Municipal	$6,298,165	$2,064,761	46.3
Brownfield	Terry County	$1,153,377	$393,813	9.0
Brownwood	Brownwood Regional	$6,286,907	$2,410,743	62.4
Bryan	Coulter Field	$7,813,759	$2,242,120	49.0
Burnet	Burnet Muni-Kate Craddock Field	$5,716,473	$2,027,427	46.9
Cameron	Cameron Municipal Airpark	$235,999	$123,441	2.2
Carrizo Springs	Dimmit County	$478,311	$163,479	2.8
Castroville	Castroville Municipal	$2,319,937	$657,319	17.8
Center	Center Municipal	$1,641,169	$678,163	18.2
Clarendon	Smiley Johnson Muni/Bass Field	$631,882	$376,866	5.5
Cleburne	Cleburne Municipal	$7,439,304	$3,067,651	93.8
Cleveland	Cleveland Municipal	$381,222	$153,838	4.2
Clifton	Clifton Municipal/Isenhower Field	$1,454,000	$711,249	23.4
Coleman	Coleman Municipal	$156,368	$73,300	3.4
Comanche	Comanche County-City	$230,760	$96,608	2.8
Cotulla	Cotulla-La Salle County	$453,844	$236,308	6.0
Dalhart	Dalhart Municipal	$1,585,939	$994,629	14.4
Dallas	Dallas Executive	$18,229,078	$5,590,780	111.2
Decatur	Decatur Municipal	$4,504,753	$2,130,463	65.5
Dell City	Dell City Municipal	$182,382	$98,458	2.4
Denton	Denton Municipal	$148,846,113	$34,197,210	853.9
Devine	Devine Municipal	$1,300,293	$220,786	8.6
Dimmitt	Dimmitt Municipal	$2,254,578	$1,246,002	34.9
Dryden	Terrell County	$225,369	$114,351	2.0
Dumas	Moore County	$904,386	$483,729	7.7
Eagle Lake	Eagle Lake	$1,490,968	$571,762	16.8

City	Airport	Output	Labor Income	Jobs
Eagle Pass	Maverick County Int'l	$393,179	$186,795	6.0
Edinburg	South Texas Int'l at Edinburg	$11,075,943	$3,495,567	91.3
El Paso	Horizon	$8,649,024	$2,670,959	52.5
Eldorado	Eldorado Airport	$217,415	$161,866	5.4
Ennis	Ennis Municipal	$602,982	$288,086	9.3
Fabens	Fabens	$718,470	$245,929	9.2
Falfurrias	Brooks County	$340,678	$122,769	5.2
Floydada	Floydada Municipal	$844,417	$414,654	16.0
Fort Stockton	Fort Stockton - Pecos County	$3,349,672	$1,463,072	37.9
Fort Worth	Fort Worth Alliance	$2,022,220,389	$434,309,593	7,437.8
Fort Worth	Fort Worth Meacham Int'l	$164,866,040	$50,164,738	927.8
Fort Worth	Fort Worth Spinks	$25,113,602	$9,464,233	176.3
Fredericksburg	Gillespie County	$2,469,137	$1,049,059	32.4
Gainesville	Gainesville Municipal	$109,695,382	$53,496,397	1,532.2
Galveston	Scholes Int'l at Galveston	$354,257,365	$108,019,774	3,160.2
Gatesville	Gatesville Municipal	$248,270	$112,618	3.3
George West	Live Oak County	$169,975	$81,699	2.0
Georgetown	Georgetown Municipal	$23,738,564	$9,872,319	226.6
Gilmer	Fox Stephens - Gilmer Municipal	$505,165	$190,257	6.9
Gladewater	Gladewater Municipal	$1,788,613	$793,981	20.5
Goldthwaite	Goldthwaite Municipal	$417,302	$158,188	5.7
Graham	Graham Municipal	$879,827	$461,747	9.9
Granbury	Granbury Regional	$17,135,358	$3,671,525	67.8
Grand Prairie	Grand Prairie Municipal	$47,277,663	$17,721,776	395.5
Henderson	Rusk County	$548,789	$279,221	5.6
Hillsboro	Hillsboro Municipal	$1,084,196	$513,386	11.2
Hondo	South Texas Regional	$31,491,584	$8,211,611	298.8
Houston	Ellington Field	$110,023,852	$43,169,639	864.5
Houston	Lone Star Executive	$33,497,508	$13,911,552	383.3
Houston	David Wayne Hooks	$56,634,773	$18,057,454	302.1
Houston	Sugar Land Regional	$38,356,094	$16,128,584	253.2
Houston	Houston - Southwest	$6,596,255	$3,096,114	65.2
Houston	Pearland Regional	$4,694,935	$2,244,839	53.9
Huntsville	Huntsville Municipal	$3,119,180	$1,518,488	48.1
Jacksonville	Cherokee County	$2,340,635	$744,292	16.5
Jasper	Jasper County - Bell Field	$432,358	$210,333	5.8
Junction	Kimble County	$1,691,300	$828,677	25.2
Kerrville	Kerrville Municipal/L. Schreiner	$44,988,676	$12,093,356	309.6
Killeen	Skylark Field	$51,246,656	$20,753,318	404.0
Kingsville	Kleberg County	$874,151	$384,269	11.1
Kirbyville	Kirbyville	$137,546	$68,000	2.0

Economic Impacts of General Aviation Airports on Local Economies

(based on data provided by airports)

City	Airport	Output	Labor Income	Jobs
La Grange	Fayette Regional Air Center	$1,481,387	$623,489	16.4
La Porte	La Porte Municipal	$4,211,649	$1,473,400	37.5
Lago Vista	Lago Vista TX - Rusty Allen	$3,006,284	$1,051,424	17.3
Lamesa	Lamesa Municipal	$1,160,180	$786,324	20.3
Lancaster	Lancaster Regional	$18,093,646	$5,949,872	93.2
Levelland	Levelland Municipal	$1,865,805	$818,120	23.8
Liberty	Liberty Municipal	$1,394,728	$633,949	13.1
Littlefield	Littlefield Municipal	$426,704	$209,067	4.9
Livingston	Livingston Municipal	$316,743	$134,858	3.7
Llano	Llano Municipal	$919,915	$429,162	6.2
Lockhart	Lockhart Municipal	$476,386	$160,179	6.5
Lufkin	Angelina County	$3,437,212	$1,597,144	31.7
Marfa	Marfa Municipal	$1,163,862	$385,644	18.5
Marshall	Harrison County	$3,075,008	$976,912	22.1
McKinney	Collin County Regional	$44,248,730	$17,709,560	377.5
Memphis	Memphis Municipal	$311,185	$242,393	8.7
Menard	Menard County	$794,100	$307,329	9.1
Mesquite	Mesquite Metro	$10,516,944	$4,979,641	74.4
Mineola	Wood County	$317,878	$126,332	3.8
Mineral Wells	Mineral Wells	$42,544,792	$14,124,406	457.3
Monahans	Roy Hurd Memorial	$173,872	$84,836	2.5
Mt. Pleasant	Mount Pleasant Regional	$6,375,375	$2,098,106	50.0
Nacogdoches	A L Mangham Jr Regional Airport	$1,087,937	$496,927	14.5
New Braunfels	New Braunfels Municipal	$25,631,652	$7,077,190	120
Olney	Olney Municipal	$235,245,296	$26,424,650	374.5
Orange	Orange County	$447,480	$211,307	4.3
Palacios	Palacios Municipal	$536,224	$270,509	12.3
Palestine	Palestine Municipal	$583,331	$340,512	7.6
Pearsall	McKinley Field	$4,824,935	$1,462,517	26.8
Pecos	Pecos Municipal	$1,682,129	$550,070	25.2
Plainview	Hale County	$1,366,087	$458,238	12.1
Port Isabel	Port Isabel - Cameron County	$1,074,475	$482,897	11.0
Presidio	Presidio Lely International	$190,554	$80,615	3.6
Quanah	Quanah Municipal	$960,114	$412,078	8.6
Rockdale	H H Coffield Regional	$187,293	$82,958	2.4
Rockport	Aransas County	$17,269,314	$5,835,651	189.0
Rockwall	Rockwall Municipal	$627,457	$266,331	6.9
San Antonio	Stinson Municipal	$23,850,456	$8,941,676	240.4
San Marcos	San Marcos Municipal	$44,973,180	$10,517,515	248.4
Sherman	N. Texas Regional - Perrin	$62,158,272	$20,841,714	530.1
Slaton	Slaton Municipal	$2,321,395	$938,787	22.8

City	Airport	Output	Labor Income	Jobs
Smithville	Smithville Crawford Municipal	$268,750	$85,174	2.6
Snyder	Winston Field	$3,268,394	$1,286,783	29.3
Stephenville	Clark Field Municipal	$2,607,511	$812,488	21.0
Sulphur Springs	Sulphur Springs Municipal	$12,316,938	$3,484,179	84.9
Temple	Draughon - Miller Central Tx	$18,176,984	$7,136,239	191.0
Terrell	Terrell Municipal	$5,309,438	$1,978,791	42.4
Waco	McGregor Executive	$9,968,338	$3,405,662	75.0
Waco	TSTC Waco	$1,813,854,208	$307,840,512	5,235.2
Weslaco	Mid Valley	$5,738,019	$1,859,626	42.2
Wharton	Wharton Regional	$1,433,338	$487,616	9.5
Winnie/Stowell	Chambers County	$292,154	$165,092	3.8
Winnsboro	Winnsboro Municipal	$329,240	$124,112	4.0
Woodville	Tyler County	$425,671	$134,231	5.2
Other*	Other System Airports	$2,173,403	$1,066,669	26.0

Economic Impacts of General Aviation Activity

Output	**$14,482,332,000**
Labor Income	**$ 3,127,309,000**
Employment	**56,635**

*Other System Airports		
Abernathy Municipal	Kent County	Mustang Beach
Hall-Miller Municipal	Giddings-Lee County	Edwards County
Stonewall County	Stanton Municipal	Mason County
Caldwell Municipal	The Carter Memorial	San Saba County Municipal
Childress Municipal	Colorado City	Sunray
Duval-Freer	Shamrock Municipal	Cypress River
Robert R Wells Jr	Real County	Marlin
Commerce Municipal	Miami-Roberts County	Throckmorton Municipal
Lampasas	Upton County	Avenger Field
Follett/Lipscomb County	Muleshoe Municipal	T-Bar
Denver City	Cochran County	Winkler County
Madisonville Municipal	Navasota Municipal	Harrison Field of Knox City
Cuero Municipal	Newton Municipal	Major Samual B Cornelius Field
Hallettsville Municipal	San Augustine County	Crane County

What business people are saying:

I couldn't do business without Texas airports!
--Terry County Airport
Out-of-state Visitor/Pilot

I have customers who come to South Texas from as far away as California, El Paso, Austin...to learn to fly with me.
--Flight Instructor
at Mid Valley Airport

My business has operations over most of the state. The airport system is the only way to cover our operations.
--Slaton Visitor/Pilot

We can do business better, more efficient because of this airfield.
--Nacogdoches Visitor/Pilot
from Midwest

We...have clients that have moved to the City of Weslaco's Industrial Park because of the proximity to the airport
--Real Estate Executive

Associated City	Airport Name	Impact	Output	Labor Income	Jobs
Abilene	Abilene Regional	CS	$130,301,734	$48,013,249	1,253
		GA	$17,803,884	$6,394,803	188
		Total	$148,105,618	$54,408,052	1,441
Amarillo	Rick Husband Amarillo International	CS	$231,620,621	$103,248,759	3,637
		GA	$101,863,472	$48,289,096	1,238
		Total	$333,484,093	$151,537,855	4,875
Austin	Austin-Bergstrom International	CS	$2,408,277,327	$1,161,187,622	40,381
		GA	$25,416,734	$10,667,090	281
		Total	$2,433,694,061	$1,171,854,712	40,662
Beaumont/Port Arthur	Jack Brooks Regional	CS	$19,376,497	$7,206,187	204
		GA	$80,933,778	$14,251,215	227
		Total	$100,310,275	$21,457,402	432
Brownsville	Brownsville/South Padre Island International	CS	$74,602,405	$31,682,451	948
		GA	$6,175,448	$2,256,728	69
		Total	$80,777,853	$33,939,180	1,017
College Station	Easterwood Field	CS	$59,095,217	$22,116,657	750
		GA	$14,375,643	$6,120,047	164
		Total	$73,470,860	$28,236,704	914
Corpus Christi	Corpus Christi International	CS	$246,898,053	$104,484,478	3,442
		GA	$57,528,260	$14,645,876	460
		Total	$304,426,313	$119,130,354	3,902
Dallas	Dallas Love Field	CS	$2,341,640,837	$1,079,122,813	38,863
		GA	$480,351,680	$167,845,568	2,220
		Total	$2,821,992,517	$1,246,968,381	41,083
Dallas-Ft. Worth	Dallas/Fort Worth International	CS	$15,626,379,766	$7,373,325,519	267,597
		GA	$75,075,408	$26,931,636	321
		Total	$15,701,455,174	$7,400,257,155	267,918
El Paso	El Paso International	CS	$732,468,646	$352,374,919	13,501
		GA	$15,593,378	$5,669,882	190
		Total	$748,062,024	$358,044,801	13,691
Harlingen	Valley International	CS	$227,471,709	$41,407,539	2,399
		GA	$28,059,504	$11,614,307	313
		Total	$255,531,213	$53,021,846	2,712
Houston	George Bush Intercontinental/ Houston	CS	$11,281,770,104	$5,359,020,066	192,513
		GA	$9,602,816	$4,036,425	104
		Total	$11,291,372,920	$5,363,056,491	192,617
Houston	William P Hobby	CS	$2,771,721,129	$1,206,503,569	43,433
		GA	$76,041,744	$30,741,262	713
		Total	$2,847,762,873	$1,237,244,831	44,146

Associated City	Airport Name	Impact	Output	Labor Income	Jobs
Killeen/Ft. Hood	Robert Gray AAF	CS	$219,854,564	$66,432,743	2,417
		GA	-0-	-0-	-0-
		Total	$219,854,564	$66,432,743	2,417
Laredo	Laredo International	CS	$121,919,188	$45,195,174	1,347
		GA	N/A	N/A	N/A
		Total	$121,919,188	$45,195,174	1,347
Longview	East Texas Regional	CS	$26,667,159	$10,526,605	283
		GA	$46,390,224	$11,691,049	366
		Total	$73,057,383	$22,217,654	648
Lubbock	Lubbock Preston Smith International	CS	$290,227,766	$133,646,902	4,673
		GA	$20,481,178	$7,214,633	176
		Total	$310,708,944	$140,861,534	4,849
McAllen	McAllen Miller International	CS	$219,971,463	$94,015,984	3,299
		GA	$30,410,956	$9,895,572	262
		Total	$250,382,419	$103,911,556	3,560
Midland	Midland International	CS	$297,252,409	$125,323,026	4,323
		GA	$57,468,152	$20,519,988	435
		Total	$354,720,561	$145,843,014	4,757
San Angelo	San Angelo Regional/Mathis Field	CS	$95,290,902	$40,156,420	1,059
		GA	N/A	N/A	N/A
		Total	$95,290,902	$40,156,420	1,059
San Antonio	San Antonio International	CS	$3,755,349,987	$1,512,718,290	52,948
		GA	$2,679,333,376	$542,906,368	8,706
		Total	$6,434,683,363	$2,055,624,658	61,654
Tyler	Tyler Pounds Regional	CS	$52,897,085	$22,519,907	759
		GA	$13,242,817	$4,815,356	142
		Total	$66,139,902	$27,335,263	901
Victoria	Victoria Regional	CS	$30,314,888	$11,190,926	138
		GA	N/A	N/A	N/A
		Total	$30,314,888	$11,190,926	138
Waco	Waco Regional	CS	$60,019,204	$21,813,246	694
		GA	$193,771,344	$34,290,244	675
		Total	$253,790,548	$56,103,490	1,368
Wichita Falls	Sheppard AFB/Wichita Falls Municipal	CS	$31,702,466	$12,377,114	445
		GA	$5,073,428	$803,445	18
		Total	$36,775,894	$13,180,558	462

What pilots are saying:

We have been in Texas to support the Texas Forest Service on fire missions. Abilene Airport and [FBO] have been supporting these missions very well.

--USDA Forest Service Pilot

We use [Monahans] Airport to visit local and surrounding stores.

–Texas Pilot

Most of my travel is by private plane, even from the ranch where we live. We couldn't survive without small GA airports.

--Alpine-based Pilot

[Scholes Int'l at Galveston is] important for island access for tourism.

Would not have come [to College Station] if [there were] no [GA] airport.

--Virginia based pilot

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