



2025 North Dakota
State Aviation System Plan



2025 North Dakota
Aviation Economic Impact Study

Barnes County Municipal Airport (BAC)

Associated City: Valley City



BAC's Airport Economic Impacts

The impacts below present the sum of direct and multiplier impacts of all activity associated with BAC. The table below offers a breakdown of the total impacts by direct, multiplier, total, and source of impact.

Jobs				Payroll				Value Added				Output			
 16				 \$812,000				 \$1.41 M				 \$2.27 M			
Source of Impact		Jobs			Source of Impact		Payroll			Source of Impact		Output			
	Direct	Multiplier	Total		Direct	Multiplier	Total		Direct	Multiplier	Total		Direct	Multiplier	Total
Airport Management	2	2	4	Airport Management	\$78,000	\$126,000	\$204,000	Airport Management	\$475,000	\$356,000	\$831,000	Airport Management	\$475,000	\$356,000	\$831,000
Airport Tenants	4	1	5	Airport Tenants	\$216,000	\$56,000	\$272,000	Airport Tenants	\$267,000	\$161,000	\$428,000	Airport Tenants	\$267,000	\$161,000	\$428,000
Capital Expenditures	3	1	4	Capital Expenditures	\$159,000	\$79,000	\$238,000	Capital Expenditures	\$452,000	\$251,000	\$704,000	Capital Expenditures	\$452,000	\$251,000	\$704,000
GA Visitor Spending	2	1	3	GA Visitor Spending	\$61,000	\$36,000	\$98,000	GA Visitor Spending	\$192,000	\$114,000	\$306,000	GA Visitor Spending	\$192,000	\$114,000	\$306,000
CS Visitor Spending	N/A	N/A	N/A	CS Visitor Spending	N/A	N/A	N/A	CS Visitor Spending	N/A	N/A	N/A	CS Visitor Spending	N/A	N/A	N/A
Total Jobs Impacts	11	5	16	Total Payroll Impacts	\$514,000	\$298,000	\$812,000	Total Output Impacts	\$1.39 M	\$882,000	\$2.27 M	Total Output Impacts	\$1.39 M	\$882,000	\$2.27 M
Source of Impact		Value Added			Source of Impact		Output								
	Direct	Multiplier	Total		Direct	Multiplier	Total		Direct	Multiplier	Total				
Airport Management	\$377,000	\$200,000	\$577,000	Airport Management	\$475,000	\$356,000	\$831,000	Airport Management	\$475,000	\$356,000	\$831,000				
Airport Tenants	\$223,000	\$91,000	\$314,000	Airport Tenants	\$267,000	\$161,000	\$428,000	Airport Tenants	\$267,000	\$161,000	\$428,000				
Capital Expenditures	\$221,000	\$137,000	\$357,000	Capital Expenditures	\$452,000	\$251,000	\$704,000	Capital Expenditures	\$452,000	\$251,000	\$704,000				
GA Visitor Spending	\$99,000	\$59,000	\$157,000	GA Visitor Spending	\$192,000	\$114,000	\$306,000	GA Visitor Spending	\$192,000	\$114,000	\$306,000				
CS Visitor Spending	N/A	N/A	N/A	CS Visitor Spending	N/A	N/A	N/A	CS Visitor Spending	N/A	N/A	N/A				
Total Value Added Impacts	\$919,000	\$486,000	\$1.41 M	Total Output Impacts	\$1.39 M	\$882,000	\$2.27 M	Total Output Impacts	\$1.39 M	\$882,000	\$2.27 M				

Associated City: Valley City
County: Barnes
NDSASP Classification: Local
FAA ID: BAC

About Barnes County Municipal Airport

Located just one mile northwest of Valley City, Barnes County Municipal Airport (BAC) is a key general aviation facility serving southeastern North Dakota. With four runways, including a concrete primary runway and three turf runways, the airport accommodates a wide range of operations, from agricultural spraying and flight instruction to business aviation and emergency services. The airport is home to major airframe and powerplant services and offers 24-hour self-service fueling for both 100LL and Jet-A. Its well-maintained infrastructure, including lighting systems, automated weather reporting, and instrument runway approach procedures, ensures safe and efficient operations year-round. Barnes County Municipal Airport also supports aerial applicators who provide critical crop treatment services to area producers, reinforcing the region's agricultural economy. Managed by the Barnes County Airport Authority, the airport plays a broader role in community engagement and aviation education. Housed in a historic art deco terminal building, with available hangar space, a pilot lounge, and regular snow removal, it remains a dependable resource for both transient and based aircraft. As Valley City continues to grow as a regional center for business, tourism, and outdoor recreation, BAC stands ready to support that momentum, connecting people, services, and opportunity.



Airport Activities



Recreational Flying



Flight Instruction



Agricultural
Spraying



Corporate Activity



Gateway for
Recreation

Runways

The most critical infrastructure of an airport is the runway system. Runway characteristics determine the types of activity the airport can support.

Type	Orientation	Dimensions	Surface	Approach
Primary Runway	13/31	4,201 ft x 75 ft	Concrete	RNAV (GPS) / RNAV (GPS)
Secondary Runway	17/35	3,539 ft x 100 ft	Turf	VIS / VIS
Tertiary Runway	05/23	2,525 ft x 120 ft	Turf	VIS / VIS
Additional Runway	08/26	2,520 ft x 120 ft	Turf	VIS / VIS

Aviation Activity Demand Forecasts

Aviation activity demand forecasts are included in the NDSASP to understand how aviation demand is expected to change over time. These forecasts help inform future infrastructure needs and long-term system planning decisions.

Activity Type	Base Year (2024)	Future Year (2044)	2024-2044 CAGR
Commercial Service Enplanements	N/A	N/A	N/A
Commercial Service Operations	N/A	N/A	N/A
General Aviation Operations	11,750	12,050	0.13%
Based Aircraft	26	30	0.72%

Note: CAGR = Compound Annual Growth Rate



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