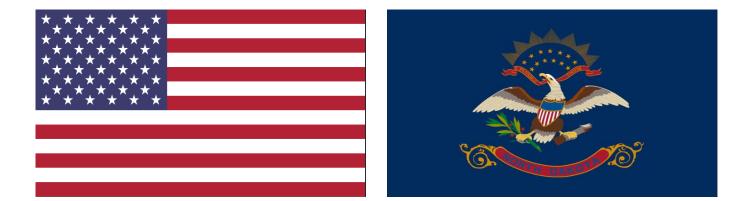
North Dakota Military Force Structure

FY18 Economic Impact Analysis



Prepared by NGND-PFO-IR

- 1. Methodology / Availability of Information
- 2. Table 1 Personnel by Classification (By Location)
- 3. Table 2 Annual Payroll by Classification (By Location)
- 4. Table 3 Expenditures for Construction, Services, and Procurement of Materials, Equipment and Supplies. (By Location)
- 5. Table 4 Estimate of number of indirect jobs created. (By Location)
- 6. Table 4a Estimate of dollar value of indirect jobs created. (By Location)
- 7. Table 5 Total Annual Economic Impact Estimate (By Location)
- 8. Table 6 Personnel by Classification (By Component)
- 9. Table 7 Annual Payroll by Classification (By Component)
- 10. Table 8 Expenditures for Construction, Services, and Procurement of Materials, Equipment and Supplies. (By Component)
- Table 9 Estimate of number and dollar value of indirect jobs created. (By Component)
- 12. Table 10 Total Annual Economic Impact Estimate (By Component)
- 13. Table 11 Total Annual Economic Impact Estimate (By Location)
- 14. Charts
- 18. Organizations

Methodology / Availability of Information

The Economic Impact Analysis (EIA) provides unclassified key information about the resources and economic impact of the military on the State of North Dakota.

In fiscal year (FY) 2018 Military organizations employed 13,555 people and created about 3,766 indirect jobs in North Dakota. Annual payroll for military employees is approximately \$682.8M and indirect salaries are approximately \$183.5M. The military also has direct expenses for construction, services, materials, equipment and supplies of \$211.8M. Total military economic impact in North Dakota for Fiscal Year 2018 was estimated at about \$1.08B.

The total economic impact of the military in North Dakota is calculated by totaling annual payroll, annual expenditures and estimated dollar value of indirect jobs created. The economic area for this report is the State of North Dakota. The indirect job multipliers were obtained from LMI Economic Impact database, Installations and Indirect/Induced Multipliers, Feb 95. The average annual pay for North Dakota was obtained from the North Dakota Workforce Intelligence, a statistics web site using State labor information from the 1st quarter of 2018. This program analysis was prepared within the parameters of the Office of the Secretary of Defenses' economic impact analysis model. The funding sources used in this analysis are Appropriated Funds (AFP), Non-Appropriated Funds (NAF) and State Military Funds. Some figures were estimates based on known factors and are identified in the report. The Active Duty information was obtained from the Annual Economic Impact Analysis for the Grand Forks and Minot Air Force bases and information provided by Armed Forces Recruiting Stations.

National Guard is made up of North Dakota Army and Air National Guard units. Active Duty is made up of the Air Force bases at Minot and Grand Forks and the Armed Forces recruiting stations for Air Force, Army, Marines and Navy. The Reserves are made up of the Air Force at Minot; the Army at Bismarck, Fargo and Grand Forks; the Marines at Wahpeton and the Navy at Fargo.

Information contained in this analysis is for the period 01 Oct 17 through 30 Sep 18 (Fiscal year 2018). The report is broken down by location (Tables 1-5) and military component (Tables 6-11). The information for this analysis was collected and compiled by NGND-PFO-IR.

TABLE 1

PERSONNEL BY CLASSIFICATIONS (By Location)

	National	Active		T ()
	<u>Guard</u>	<u>Duty</u>	Reserve**	<u>Total</u>
1. Military Appropriated				
Bismarck/Mandan	947	13	52	1,012
Fargo/West Fargo	1,564	18	193	1,775
Grand Forks	307	1,621	16	1,943
Minot	276	5,338	17	5,630
Other	929		57	986
Total	4,023	6,990	335	11,348
2. Dependents				
Bismarck/Mandan	1,456	16	75	1,547
Fargo/West Fargo	1,929	22	253	2,204
Grand Forks	273	1,483	22	1,778
Minot 1	374	6,057	22	6,453
Other	1,158		74	1,232
Total	5,190	7,578	446	13,214
3. Civilian Appropriated				
Bismarck/Mandan	222		6	228
Fargo/West Fargo	196		3	199
Grand Forks	11	373	1	385
Minot	9	514		523
Other	58			58
Excepted technicians included in part 1 $$ *	(460)			(460)
Total	36	887	10	933
4. Other				
Bismarck/Mandan	89			89
Fargo/West Fargo	57			57
Grand Forks	4	562		566
Minot	5	501		506
Other	56			56
Total	211	1,063		1,274
Total Personnel and Dependents	9,460	16,518	791	26,769

*Some National Guard Civilians are also military members and are included with the Appropriated Civilians, therefore not added into the total personnel.

**The number of dependents for Reserve was estimated, using the National Guard military member to dependent ratio.

TABLE 2

ANNUAL PAYROLL BY CLASSIFICATION (By Location)

	National Guard	Active <u>Duty</u>	Reserve	<u>Total</u>
1. Military Appropriated	<u></u>	<u></u>		
Bismarck/Mandan	\$40,988,204	\$905,876	\$450,337	\$42,344,417
Fargo/West Fargo	46,502,363	896,836	2,121,222	49,520,421
Grand Forks	7,234,829	95,254,866	118,718	138,701,382
Minot	9,831,397	305,456,919	973,157	316,261,473
Other	16,490,050		773,135	17,263,185
Total	\$121,046,843	\$402,514,497	\$4,436,569	\$527,997,909
2. Civilian Appropriated				
Bismarck/Mandan	\$23,707,040		\$382,187	\$24,089,227
Fargo/West Fargo	17,532,743		100,786	17,633,529
Grand Forks	975,929	29,936,521	46,879	30,959,329
Minot	993,128	43,678,487	-,	44,671,615
Other	5,050,002	, ,		5,050,002
Total	\$48,258,842	\$73,615,008	\$529,852	\$122,403,702
3. Other				
Bismarck/Mandan	\$6,151,686			\$6,151,686
Fargo/West Fargo	3,755,038			6,755,038
Grand Forks	343,786	6,096,219		6,440,005
Minot	420,051	11,324,099		11,744,150
Other	4,355,212	, ,		4,355,212
Total	\$15,025,773	\$17,420,318		\$32,446,091
4. Total Annual Payroll				
Bismarck/Mandan	\$70,846,930	\$905,876	\$832,524	\$72,585,330
Fargo/West Fargo	67,790,144	896,836	2,222,008	70,908,988
Grand Forks	8,554,544	131,287,606	165,597	140,007,747
Minot	11,244,576	360,459,505	973,157	372,677,238
Other	25,895,264	300, 100,000	773,135	26,668,399
-	\$184,331,458	\$493,549,823	\$4,966,421	\$682,847,702

National Guard and Army Reserve payroll included deployed soldiers.

TABLE 3

EXPENDITURES FOR CONSTRUCTION, SERVICES, AND PROCUREMENT OF MATERIALS, EQUIPMENT AND SUPPLIES (By Location)

		National <u>Guard</u>	Active <u>Duty</u>	Reserve*	<u>Total</u>
1.	Construction				
	Bismarck/Mandan				
	Fargo/West Fargo	\$6,013,418			\$6,013,418
	Grand Forks		11,983,543		11,983,543
	Minot		34,578,000		34,578,000
	Other	(28,761)			(28,761)
		\$5,984,657	\$46,561,543		\$52,546,200
2.	Services, Materials, Equipme	ent and Supplies P	Procurement		
	Bismarck/Mandan	\$11,721,467		\$64,018	\$11,785,485
	Fargo/West Fargo	11,536,968		152,008	11,688,976
	Grand Forks	1,155,103	62,170,955	19,846	63,345,904
	Minot	10,686,829	52,887,117		63,573,946
	Other	8,610,258		228,003	8,838,261
		\$43,710,625	\$115,058,072	\$463,875	\$159,232,572
3.	Total Annual Expenditures				
	Bismarck/Mandan	\$11,721,467		\$64,018	\$11,785,485
	Fargo/West Fargo	17,550,386		152,008	17,702,394
	Grand Forks	1,155,103	74,154,498	19,846	75,329,447
	Minot	10,686,829	87,465,117		98,151,946
	Other	8,581,497		228,003	8,809,500
		\$49,695,282	\$161,619,615	\$463,875	\$211,778,772

* Army Reserve Expenditures were estimated because actual figures were not available.

TABLE 4

ESTIMATE OF NUMBER OF INDIRECT JOBS CREATED (By Location)

Type of Personnel	National <u>Guard</u>	Active <u>Duty</u>	<u>Reserve</u>	Total	Multiplier	Indirect Jobs <u>Created</u>
Bismarck/Mandan						
Active Duty / AGR	149	13	1	163	.29	47
Reserve / Traditional	603		51	654	.13	85
AF Civilian / Technicians	222		6	228	.43	98
NAF Civilians / BX / PX					.43	
State Employees	67			67	.43	29
Contractors / Private Bus.	22			22	.43	9
	1,063	13	58	1,134		269
Fargo/West Fargo						
Active Duty / AGR	162	18	11	191	.29	55
Reserve / Traditional	1,214		182	1,396	.13	181
AF Civilian / Technicians	196		3	199	.43	86
NAF Civilians / BX / PX	2			2	.43	1
State Employees	33			33	.43	14
Contractors / Private Bus.	22			22	.43	9
	1,629	18	196	1,843		347
Grand Forks				.,		
Active Duty / AGR	20	1,621		1,641	.29	476
Reserve / Traditional	276	.,•=:	16	292	.13	38
AF Civilian / Technicians	11	373	1	385	.43	166
NAF Civilians / BX / PX		115	•	115	.43	49
State Employees	3	110		3	.43	
Contractors / Private Bus.	1	447		448	.43	193
	311	2,556	17	2,884	. 10	923
Minot		2,000		2,001		020
Active Duty / AGR	75	5,338		5,413	.29	1,570
Reserve / Traditional	192	0,000	17	209	.13	27
AF Civilian / Technicians	9	514	17	523	.43	225
NAF Civilians / BX / PX	0	180		180	.43	77
State Employees	4	100		4	.43	2
Contractors / Private Bus.		321		322	.43	138
Contractors / Filvate Bus.	281	6,353	17	6,650	.43	2,039
Other	201	0,000		0,000		2,035
Active Duty / AGR	110		6	116	.29	34
Reserve / Traditional	762		51	813	.13	106
Civilian Technicians	58		01	58	.43	25
NAF Civilians / BX / PX	5			5	.43	23
State Employees	49			49	.43	21
Contractors / Private Bus.	49			49	.43	1
	986		57	1,043	5	188
	300		51	1,043		100
Total	4,270	8,940	345	13,555		3,766

Multiplier: LMI Economic Impact database, Installations and Indirect/Induced Job Multipliers, Feb 95.

TABLE 4aESTIMATED ANNUAL DOLLAR VALUE OF JOBS CREATED (by location)

	Indirect Jobs	Average Annual <u>Salary</u>	<u>Amount</u>
Bismarck/Mandan	269	\$50,492	\$13,562,151
Fargo/West Fargo	347	\$49,452	17,157,371
Grand Forks	923	\$46,696	43,090,135
Minot	2,039	\$49,088	100,110,558
Other	188	\$51,272	9,657,081
	3,766		\$183,577,297

The average annual salary was taken from www.ndworkforceintelligence.com for the 1st quarter of 2018.

TABLE 5

TOTAL ANNUAL ECONOMIC IMPACT ESTIMATES (By Location)

Annual Payroll Bismarck/Mandan \$70,846,930 \$9,058,746 \$832,524 \$72,585,330 Fargo/West Fargo 67,790,144 896,836 2,22,008 70,908,988 Grand Forks 8,554,544 131,287,606 165,597 140,007,747 Minot 11,244,576 360,459,505 973,157 372,677,238 Other 25,895,264 773,135 26,668,399 \$184,331,458 \$493,549,823 \$4,966,421 \$682,847,702 Annual Expenditures Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 0ther 8,809,500 Sta9,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 <th></th> <th>National Guard</th> <th>Active Duty</th> <th>Reserve</th> <th><u>Total</u></th>		National Guard	Active Duty	Reserve	<u>Total</u>
Fargo/West Fargo 67,790,144 896,836 2,222,008 70,908,988 Grand Forks 8,554,544 131,287,606 165,597 140,007,747 Minot 11,244,576 360,459,505 973,157 372,677,238 Other 25,895,264 773,135 26,668,399 \$184,331,458 \$493,549,823 \$4,966,421 \$662,847,702 Annual Expenditures Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 0ther Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,766,503 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081	Annual Payroll				
Grand Forks 8,554,544 131,287,606 165,597 140,007,747 Minot 11,244,576 360,459,505 973,157 372,677,238 Other 25,895,264 773,135 26,668,399 \$184,331,458 \$493,549,823 \$4,966,421 \$682,847,702 Annual Expenditures \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 00 Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created 31,289,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663	Bismarck/Mandan	\$70,846,930	\$9,058,746	\$832,524	\$72,585,330
Minot 11,244,576 360,459,505 973,157 372,677,238 Other 25,895,264 773,135 26,668,399 \$184,331,458 \$493,549,823 \$4,966,421 \$682,847,702 Annual Expenditures Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 0ther & 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081	Fargo/West Fargo	67,790,144	896,836	2,222,008	70,908,988
Other 25,895,264 773,135 26,668,399 \$184,331,458 \$493,549,823 \$4,966,421 \$682,847,702 Annual Expenditures \$ \$11,721,467 \$64,018 11,785,485 Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 000 Other 8,581,497 228,003 8,809,500 \$449,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created \$453,012 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598	Grand Forks	8,554,544	131,287,606	165,597	140,007,747
\$184,331,458 \$493,549,823 \$4,966,421 \$682,847,702 Annual Expenditures Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 0ther & 581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,3	Minot	11,244,576	360,459,505	973,157	372,677,238
Annual Expenditures Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 0ther 98,151,946 Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966	Other	25,895,264		773,135	26,668,399
Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$4463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975<		\$184,331,458	\$493,549,823	\$4,966,421	\$682,847,702
Bismarck/Mandan \$11,721,467 \$64,018 11,785,485 Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$4463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975<					
Fargo/West Fargo 17,550,386 152,008 17,702,394 Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created #17,02,394 #13,562,151 #13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650	•				
Grand Forks 1,155,103 74,154,498 19,846 75,329,447 Minot 10,685,829 87,465,117 98,151,946 Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot	Bismarck/Mandan				
Minot Other 10,685,829 8,581,497 87,465,117 98,151,946 Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 Grand Forks 10,0848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,4	5				
Other 8,581,497 228,003 8,809,500 \$49,695,282 \$161,619,615 \$463,875 \$211,778,772 Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980	Grand Forks	1,155,103	74,154,498	19,846	75,329,447
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Minot	10,685,829	87,465,117		98,151,946
Estimated Annual Dollar Value of Jobs Created Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980	Other	8,581,497		228,003	8,809,500
Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980		\$49,695,282	\$161,619,615	\$463,875	\$211,778,772
Bismarck/Mandan \$12,892,122 \$190,355 \$479,674 \$13,562,151 Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980					
Fargo/West Fargo 15,507,653 258,139 1,391,579 17,128,689 Grand Forks 2,247,478 40,725,449 117,207 43,076,593 Minot 2,588,410 97,413,663 108,484 100,096,323 Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980					
Grand Forks2,247,47840,725,449117,20743,076,593Minot2,588,41097,413,663108,484100,096,323Other9,227,935429,1479,657,081\$42,463,598\$138,587,607\$2,526,091\$183,577,297GRAND TOTALBismarck/Mandan\$95,460,519\$1,096,231\$1,376,216\$97,932,966Fargo/West Fargo100,848,1831,154,9753,765,595105,768,753Grand Forks11,957,125246,167,553302,650258,427,329Minot24,519,815545,338,2851,081,641570,939,742Other43,704,6961,430,28545,134,980					
Minot2,588,41097,413,663108,484100,096,323Other9,227,935429,1479,657,081\$42,463,598\$138,587,607\$2,526,091\$183,577,297GRAND TOTALBismarck/Mandan\$95,460,519\$1,096,231\$1,376,216\$97,932,966Fargo/West Fargo100,848,1831,154,9753,765,595105,768,753Grand Forks11,957,125246,167,553302,650258,427,329Minot24,519,815545,338,2851,081,641570,939,742Other43,704,6961,430,28545,134,980			,		
Other 9,227,935 429,147 9,657,081 \$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980					
\$42,463,598 \$138,587,607 \$2,526,091 \$183,577,297 GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980			97,413,663		
GRAND TOTAL Bismarck/Mandan \$95,460,519 \$1,096,231 \$1,376,216 \$97,932,966 Fargo/West Fargo 100,848,183 1,154,975 3,765,595 105,768,753 Grand Forks 11,957,125 246,167,553 302,650 258,427,329 Minot 24,519,815 545,338,285 1,081,641 570,939,742 Other 43,704,696 1,430,285 45,134,980	Other	9,227,935		429,147	9,657,081
Bismarck/Mandan\$95,460,519\$1,096,231\$1,376,216\$97,932,966Fargo/West Fargo100,848,1831,154,9753,765,595105,768,753Grand Forks11,957,125246,167,553302,650258,427,329Minot24,519,815545,338,2851,081,641570,939,742Other43,704,6961,430,28545,134,980		\$42,463,598	\$138,587,607	\$2,526,091	\$183,577,297
Fargo/West Fargo100,848,1831,154,9753,765,595105,768,753Grand Forks11,957,125246,167,553302,650258,427,329Minot24,519,815545,338,2851,081,641570,939,742Other43,704,6961,430,28545,134,980	GRAND TOTAL				
Fargo/West Fargo100,848,1831,154,9753,765,595105,768,753Grand Forks11,957,125246,167,553302,650258,427,329Minot24,519,815545,338,2851,081,641570,939,742Other43,704,6961,430,28545,134,980	Bismarck/Mandan	\$95 460 519	\$1 096 231	\$1 376 216	\$97 932 966
Grand Forks11,957,125246,167,553302,650258,427,329Minot24,519,815545,338,2851,081,641570,939,742Other43,704,6961,430,28545,134,980					
Minot24,519,815545,338,2851,081,641570,939,742Other43,704,6961,430,28545,134,980	5				
Other 43,704,696 1,430,285 45,134,980					
			0-0,000,200		
			\$793,757,045		

TABLE 6

PERSONNEL BY CLASSIFICATIONS (By Component)

		National <u>Guard</u>	Active <u>Duty</u>	<u>Reserve</u>	<u>Total</u>
1. Military Appropria	ted				
Air force		1,105	6,959	17	8,081
Army		2,918	18	197	3,133
Marines			9	57	66
Navy			4	64	68
	Total	4,023	6,990	335	11,348
2. Dependents					
Air force		1,441	7,540	22	9,003
Army		3,749	22	267	4,038
Marines		-, -	11	74	85
Navy			5	83	88
,	Total	5,190	7,578	445	13,214
3. Civilian Appropria					
grade Excepted technicians i	included	496	887	10	1,393
in part 1 *		(460)			(460)
	Total	36	887	10	933
4. Other					6
State Employees		156			156
Civilian NAF		100	295		295
Civilian BX/PX		3	202		205
Contract Employees		48	438		481
Private Business		4	133		137
	Total	211	1,063		1,274
Total Personnel and Dependents	_	9,460	16,518	791	26,769

* National Guard Civilians are also military members and are included in with the Military Appropriated. Civilians, therefore not added into the total personnel.

TABLE 7

ANNUAL PAYROLL BY CLASSIFICATION (By Component)

	National <u>Guard</u>	Active <u>Duty</u>	<u>Reserve *</u>	<u>Total</u>
1. Military Appropriated				
Air force	\$43,504,370	\$400,645,652	\$973,157	\$445,123,180
Army	77,542,473	1,048,491	1,589,417	80,180,381
Marines		557,446	773,135	1,330,581
Navy		262,909	1,100,860	1,363,769
Total	\$121,046,843	\$402,514,498	\$4,436,569	\$527,997,911
2. Civilian Appropriated				
Civilian Employees	\$48,258,842	\$73,651,008	\$529,852	\$122,403,702
Total	\$48,258,842	\$73,615,008	\$529,852	\$122,403,702
3. Other				
State Employees	\$12,033,773			\$12,033,773
Civilian NAF		10,316,059		10,316,059
Civilian BX/PX/DECA	140,000	5,548,272		5,548,272
Cont/Private Employees**	2,852,000	1,555,987		1,555,987
Total	\$15,025,773	\$17,420,318		\$32,446,091
Total Annual Payroll	\$184,331,458	\$493,549,823	\$4,966,421	\$682,847,702

*The Reserve payroll was estimated based on known members because actual payroll amounts were not available.

** The National Guard contract employees payroll was estimated because actual payroll amounts were not available

TABLE 8

EXPENDITURES FOR CONSTRUCTION, SERVICES, AND MATERIALS (By Component)

	National Guard	Active <u>Duty</u>	* <u>Reserve</u>	Total
Construction				
Military Construction Program Military Family Housing	\$5,984,657			\$5,984,657
Operations and Maintenance Other		46,561,543		46,561,543
Total	\$5,984,657	\$46,561,543		\$52,546,200
Services, Materials, Equipment and Supplies Procurement	\$43,710,625	\$115,058,072	\$463,875	\$159,232,572
Total Annual Expenditures	\$49,695,282	161,619,615	\$463,875	\$211,778,772

* Army Reserve Expenditures were estimated because actual figures were not available.

TABLE 9 ESTIMATE OF NUMBER AND DOLLAR VALUE OF INDIRECT JOBS CREATED (By Component)

Type of Personnel	National <u>Guard</u>	Active <u>Duty</u>	<u>Reserve</u>	<u>Total</u>	<u>Multiplier</u>	Indirect Jobs <u>Created</u>
Active Duty Military	516	6,990	18	7,524	.29	2,181
Traditional	3,047		317	3,364	.13	437
AFP Civilian	496	887	10	1,393	.43	599
Other Civilian	211	1,063		1,273	.43	548
TOTAL	4,270	8,940	345	13,555		3,766

Estimated Number of Indirect Job	os Created.	
Active Duty		2,865
National Guard		850
Reserve		51
	Total Jobs Created	3,766

Estimated Annual Dollar Value of Jobs	Created.	
Active Duty		\$138,587,607
National Guard		42,463,598
Reserve		<u>2,526,091</u>
	Estimated Total	\$183,577,297

Multiplier:

LMI Economic Impact database, Installations and Indirect/Induced Job Multipliers, Feb 95

TABLE 10

TOTAL ANNUAL ECONOMIC IMPACT ESTIMATE (By Component)

Annual Payroll		National <u>Guard</u>	Active <u>Duty</u>	<u>Reserve</u>	<u>Total</u>
	Military	\$121,046,843	\$402,514,498	\$4,436,569	\$527,997,910
	Fed Civilian	48,258,842	73,615,008	529,852	122,403,702
	Other Civilian	15,025,773	17,420,318		32,446,091
		\$184,331,458	\$493,549,824	\$4,966,421	\$682,847,702
Annual Expenditure	S				
		\$49,695,282	\$161,619,615	\$463,875	\$211,778,772

Estimated Annual Dollar Value of Jobs Created

\$42,463,598	\$138,587,297	\$2,526,091	\$183,577,297
--------------	---------------	-------------	---------------

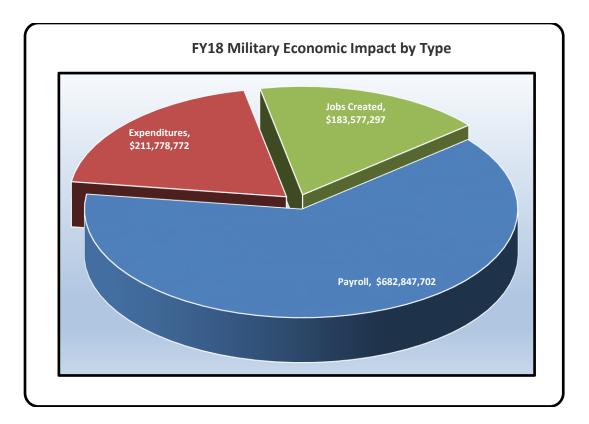
TOTAL

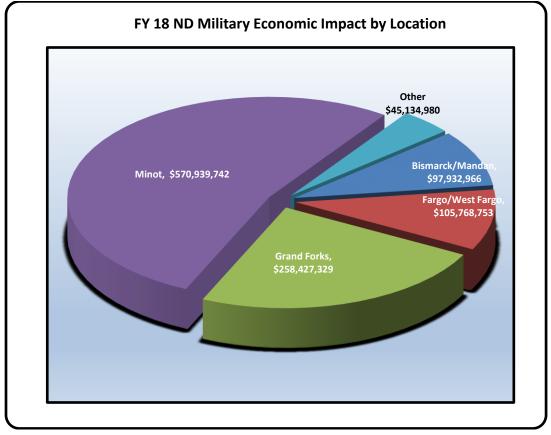
\$276,490,339 \$793,757,045 \$7,956,387 \$1,078,203,771

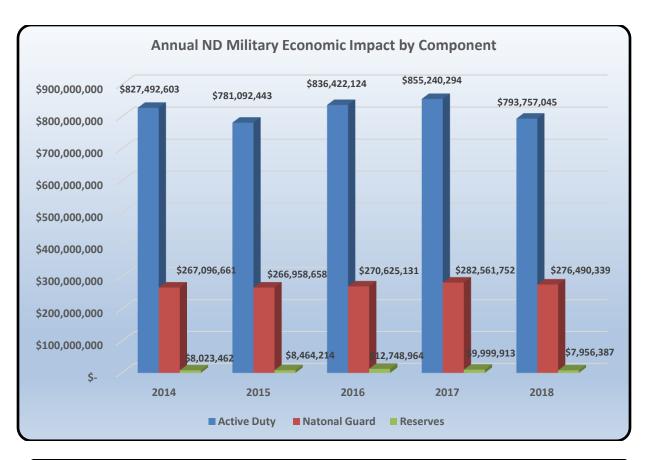
	National Guard	Active Duty	Reserves	Total
	Oddid	Duty	110301703	<u>10tai</u>
Bismarck / Mandan	\$95,460,519	\$1,096,231	\$1,376,216	\$97,932,966
Devils Lake	31,394,483			31,394,483
Dickinson	1,358,113			1,358,113
Edgeley	1,157,299			1,157,299
Fargo / West Fargo	100,848,183	1,154,975	3,765,595	105,768,754
Grand Forks	11,957,125	246,167,553	302,650	258,427,328
Jamestown	1,673,042			1,673,042
Lisbon	617,400			617,400
Mayville	7,404			7,404
Minot	24,519,815	545,338,285	1,081,641	570,939,742
Valley City	3,560,384			3,560,384
Wahpeton	2,874,567		1,430,285	4,304,852
Williston	455,191			455,191
Wishek	606,814			606,814
TOTAL	\$276,490,339	\$793,757,045	\$7,956,387	\$1,078,203,771

TABLE 11

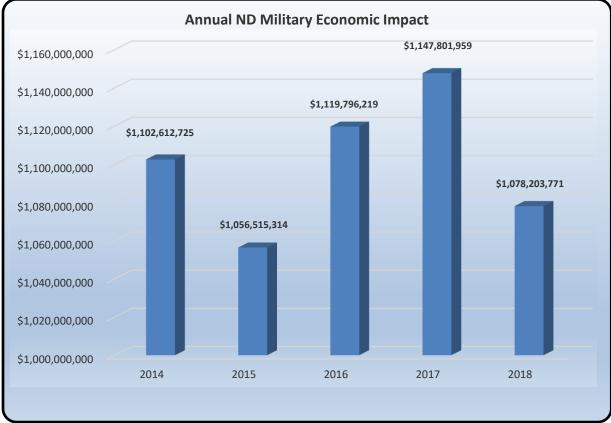
TOTAL ANNUAL ECONOMIC IMPACT ESTIMATE (By Location)

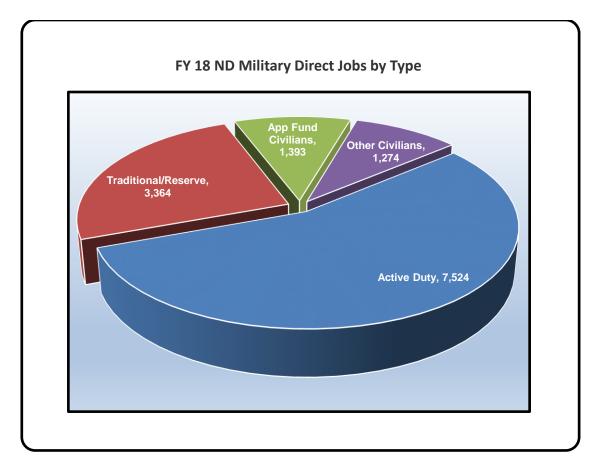


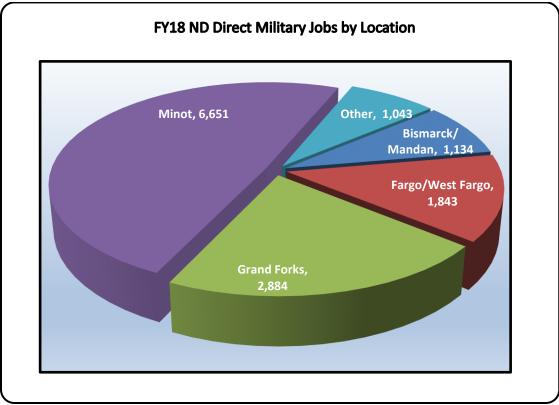


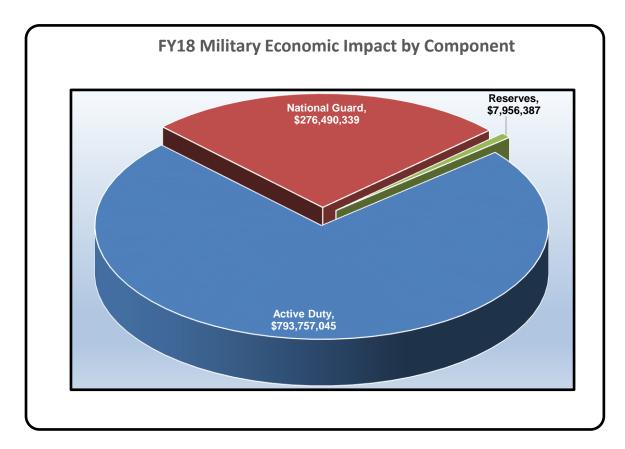


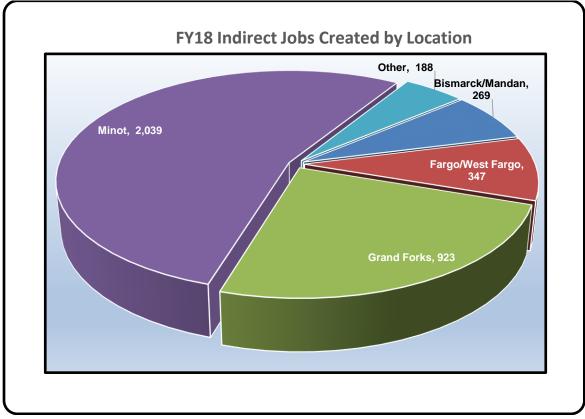












The following Military organizations in North Dakota have been represented in this analysis.

Army Reserve- Bismarck, Fargo and Grand Forks Grand Forks Air Force Base- Grand Forks ND Marine Reserves- Wahpeton ND Minot Air Force Base- Minot ND Naval Reserve- Fargo ND North Dakota Army National Guard State-wide North Dakota Air National Guard- Fargo and Minot ND Army Recruiting Stations State-wide Marine Recruiting Stations State-wide Air Force Recruiting Stations State-wide Navy Recruiting Stations State-wide