

North Dakota National Guard

FY23EconomicImpactAnalysis

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Methodology / Availability of Information

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

In fiscal year (FY) 23, the National Guard employed people and created about indirect jobs in North Dakota. Annual payroll for National Guard employees is approximately \$213.9M and indirect salaries are approximately \$52.6M. The National Guard also has direct expenses for construction, services, materials, equipment, and supplies of about \$75.5M. We estimated the total National Guard economic impact in North Dakota for FY 23 at about \$342M.

We calculated the total National Guard economic impact in North Dakota 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. We obtained the indirect job multipliers from LMI Economic Impact database, Installations and Indirect/Induced Multipliers, Feb 95. We obtained the average annual pay for North Dakota from the North Dakota Labor Market Information, a statistics web site using State labor information from the 2nd quarter of 2023.

This program analysis was prepared within the parameters of the Office of the Secretary of Defense's economic impact analysis model. The funding sources used in this analysis are Appropriated Funds (AF), Non-Appropriated Funds (NAF) and State General and Special Funds. We identify some figures as estimates in the report based on known factors.

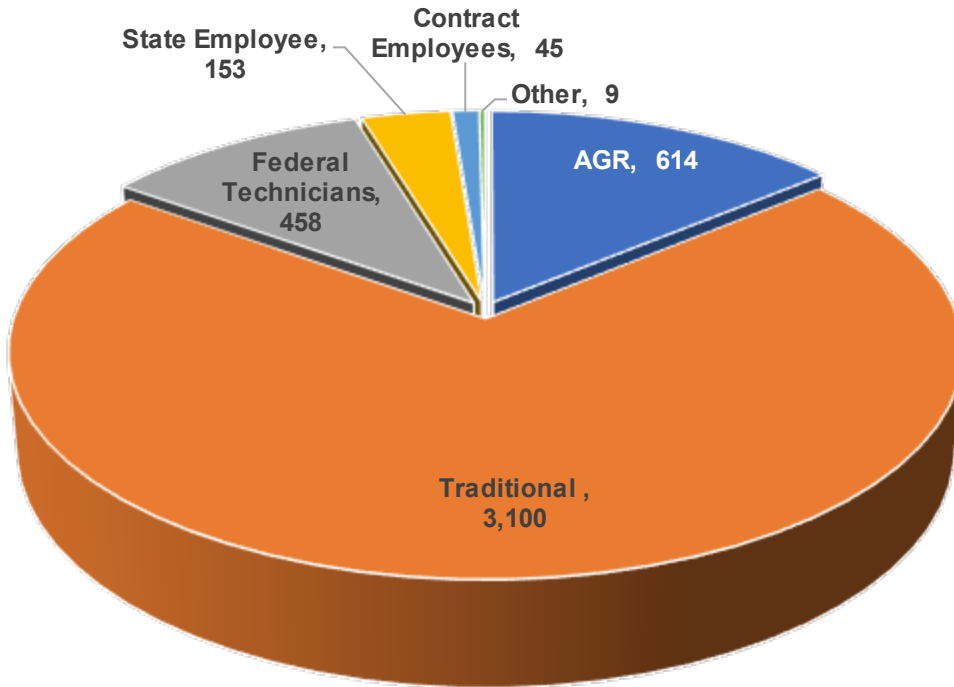
North Dakota Army (NDARNG) and Air National Guard (NDANG) units make up the North Dakota National Guard. Information contained in this analysis is for the period 01 Oct 22 through 30 Sep 23 (FY23). NGND-PFO-IR collected and compiled the information for this analysis.

TABLE 1:
Personnel by classification (By Location)

	<u>NDANG</u>	<u>NDARNG</u>	<u>Total</u>
1. Military Appropriated			
(AGRs, Mday and excepted technicians)			
Bismarck/Mandan	22	890	912
Devils Lake		392	392
Fargo/West Fargo	1,001	547	1,548
Grand Forks	-	315	315
Minot	115	214	329
Other		597	597
Total	1,138	2,955	4,093
2. Federal Technicians			
Bismarck/Mandan	6	205	211
Devils Lake		53	53
Fargo/West Fargo	127	36	163
Grand Forks		13	13
Minot		10	10
Other		8	8
Military technicians included in part 1 *	(112)	(267)	(379)
Total			79
3. Other			
(State, Contract and Other)			
Bismarck /Mandan		69	69
Devils Lake		69	69
Fargo/West Fargo	48	11	59
Grand Forks		3	3
Minot		4	4
Other		3	3
Total	48	159	207
Total Personnel	1,207	3,172	4,379
4. Dependents			
Bismarck/Mandan	67	1,411	1,478
Devils Lake		592	592
Fargo/West Fargo	1,407	689	2,096
Grand Forks		266	266
Minot	192	232	424
Other		613	613
Total	1,666	3,803	5,469
Total Personnel and Dependents	2,873	6,975	9,848

*Some military members are Federal technicians and are included in part 1. The total is reduced by that number so they are not counted twice.

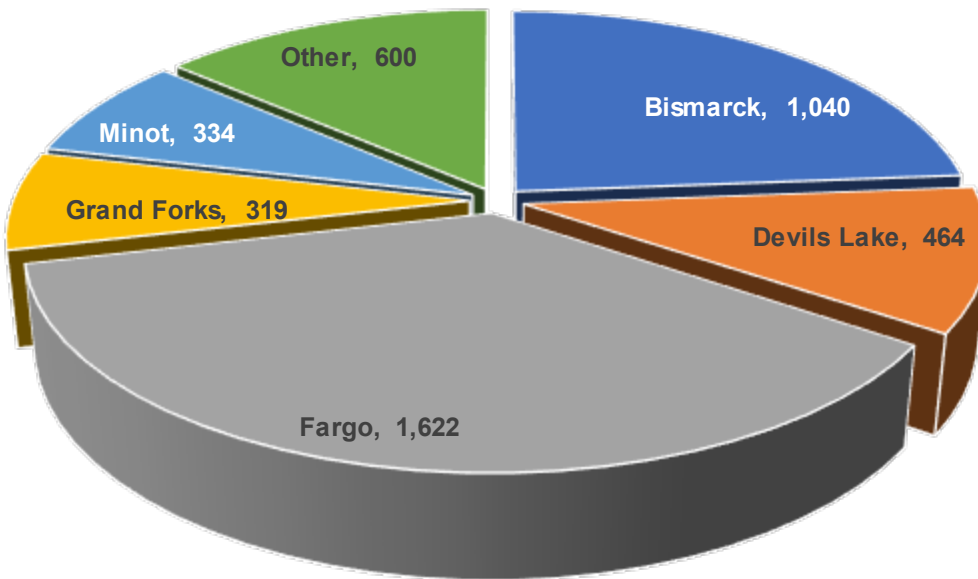
FY23 NGND Personnel by classification



Total NGND Personnel 4,379

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FY23 NGND Personnel by Location

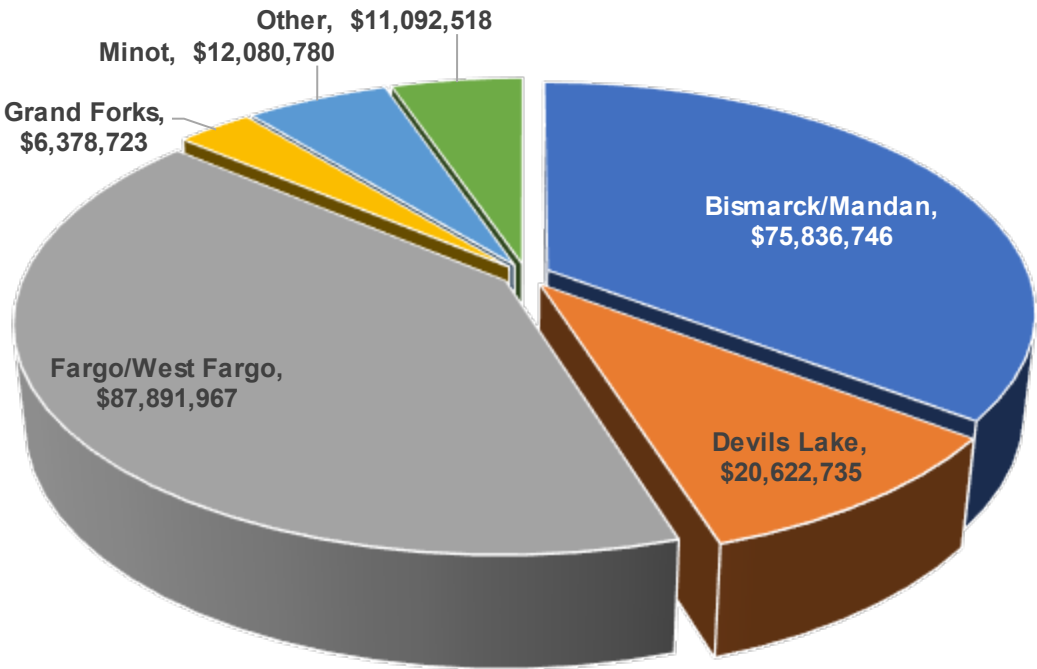


Total NGND Personnel 4,379

TABLE 2:
Annual Payroll by Classification (By Location)

	<u>NDANG</u>	<u>NDARNG</u>	<u>Total</u>
1. Military Appropriated			
Bismarck/Mandan	\$1,129,625	\$41,089,545	\$42,219,170
Devils Lake		12,001,671	12,001,671
Fargo/West Fargo	46,368,919	23,074,692	69,443,611
Grand Forks		5,074,897	5,074,897
Minot	7,325,062	3,269,431	10,594,493
Other		9,347,569	9,347,569
Total	\$ 54,823,606	\$ 93,857,805	\$ 148,681,411
2. Federal Technicians			
Bismarck/Mandan	\$626,743	\$29,506,182	\$30,132,925
Devils Lake		7,056,798	7,056,798
Fargo/West Fargo	14,310,632	1,541,383	15,852,015
Grand Forks		1,169,496	1,169,496
Minot		1,151,757	1,151,757
Other		796,155	796,155
Total	\$ 14,937,375	\$41,221,771	\$56,159,146
3. Other			
Bismarck/Mandan	\$4,810	\$3,483,611	\$3,484,651
Devils Lake		1,564,266	1,564,266
Fargo/West Fargo	1,807,189	789,152	2,596,341
Grand Forks		134,330	134,330
Minot	5,225	329,305	334,530
Other		948,794	948,794
Total	\$1,813,414	\$7,249,498	\$9,062,912
4. Total Annual Payroll			
Bismarck/Mandan	\$1,757,368	\$74,079,378	\$75,836,746
Devils Lake		20,622,735	20,622,735
Fargo/West Fargo	62,486,740	25,405,227	87,891,967
Grand Forks		6,378,723	6,378,723
Minot	7,330,287	4,750,493	12,080,780
Other		11,092,518	11,092,518
Total	\$71,574,395	\$142,329,074	\$213,903,469

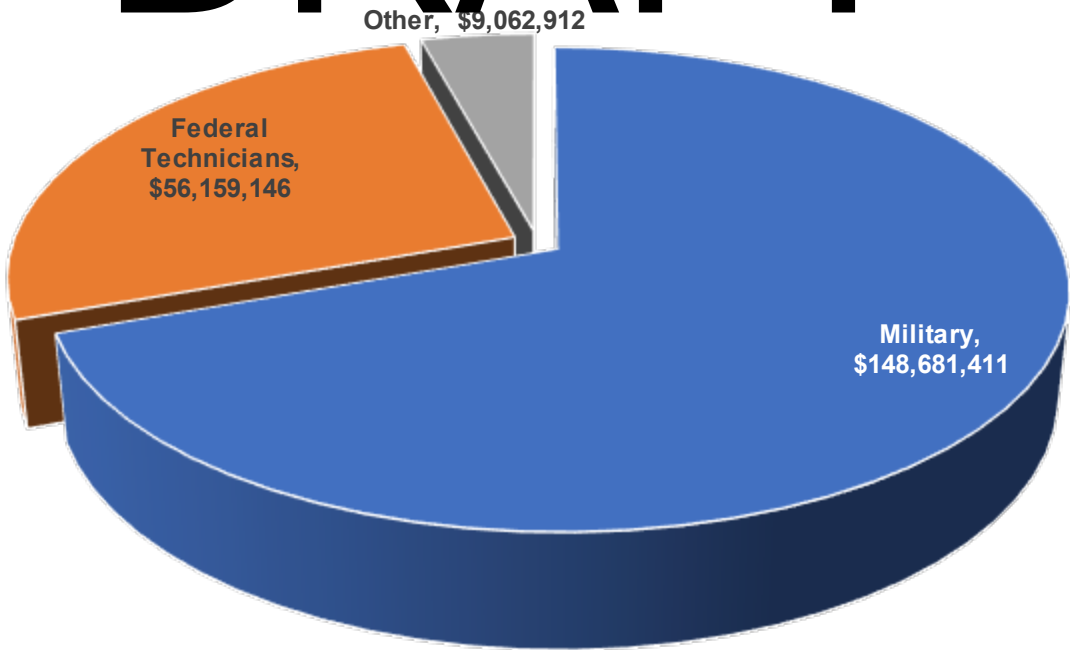
FY23 NGND Payroll by Location



Total FY23 NGND Payroll \$213,903,469

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FY23 NGND Payroll by Classification

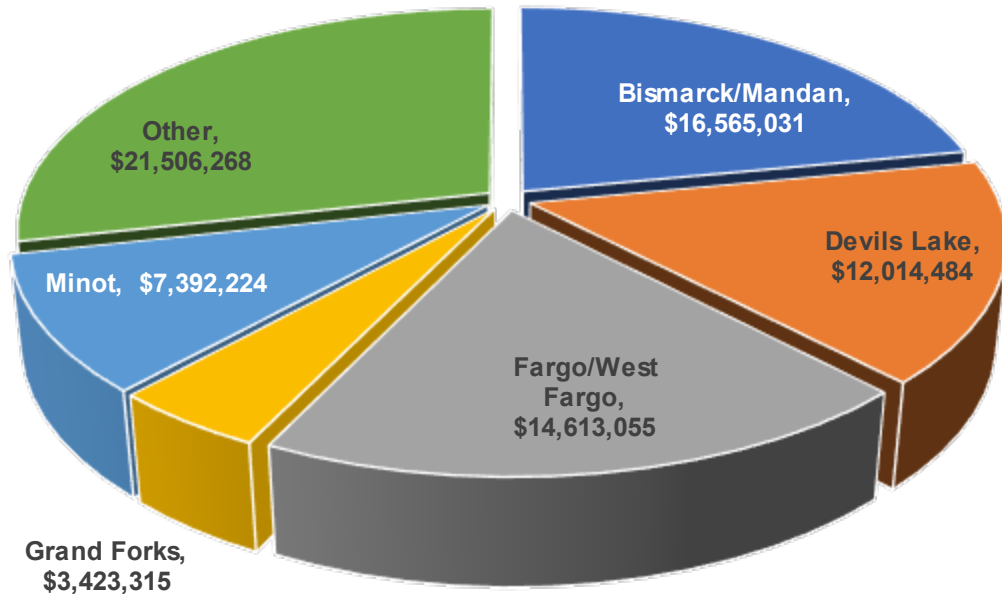


Total FY23 NGND Payroll \$213,903,469

TABLE 3:
Expenditures for Construction, Services, and Procurement of
Materials, Equipment and Supplies

	<u>NDANG</u>	<u>NDARNG</u>	<u>Total</u>
1. CONSTRUCTION			
Bismarck/Mandan			
Devils Lake		250,876	250,876
Fargo/West Fargo			
Grand Forks			
Minot			
Other		19,137,313	19,137,313
Total		\$19,388,189	\$19,388,189
2. SERVICES, MATERIALS, EQUIPMENT, AND SUPPLIES PROCUREMENT			
Bismarck/Mandan	\$69,762	\$16,495,269	\$16,565,031
Devils Lake		11,763,608	11,763,608
Fargo/West Fargo	11,618,643	2,994,412	14,613,055
Grand Forks		3,423,315	3,423,315
Minot	6,080,359	1,311,865	7,392,224
Other		2,368,955	2,368,955
Total	\$17,768,764	\$38,357,424	\$56,126,188
3. TOTAL ANNUAL EXPENDITURES			
Bismarck/Mandan	\$69,762	\$16,495,269	\$16,565,031
Devils Lake		12,014,484	12,014,484
Fargo/West Fargo	11,618,643	2,994,412	14,613,055
Grand Forks		3,423,315	3,423,315
Minot	6,080,359	1,311,865	7,392,224
Other		21,506,268	21,506,268
Total	\$17,768,764	\$57,745,613	\$75,514,377

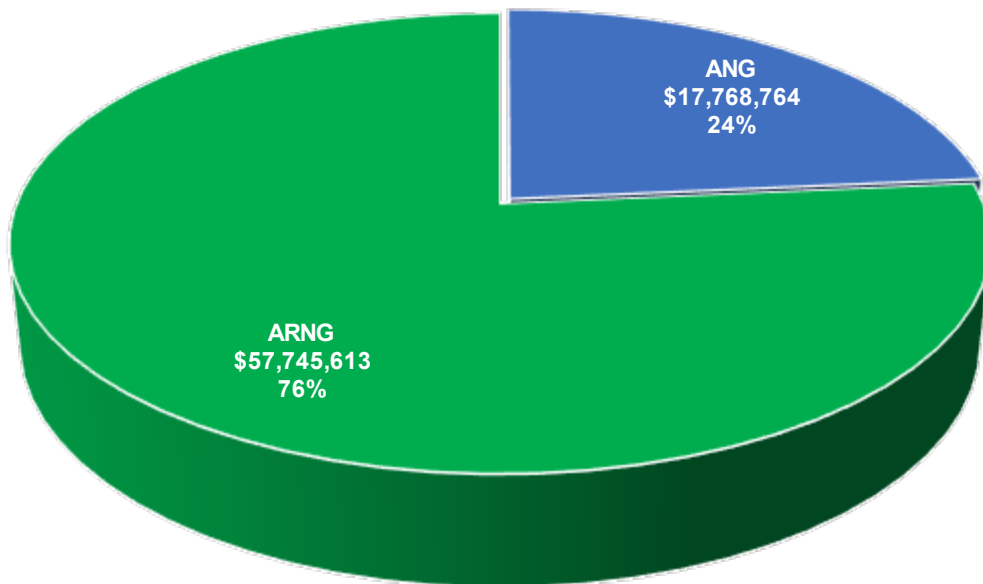
FY23 NGND Expenditures by Location



Total FY23 NGND Expenditures \$75,514,377

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FY23 Expenditures by Component



Total FY23 NGND Expenditures \$75,514,377

TABLE 4:
Indirect Jobs create (By Location)

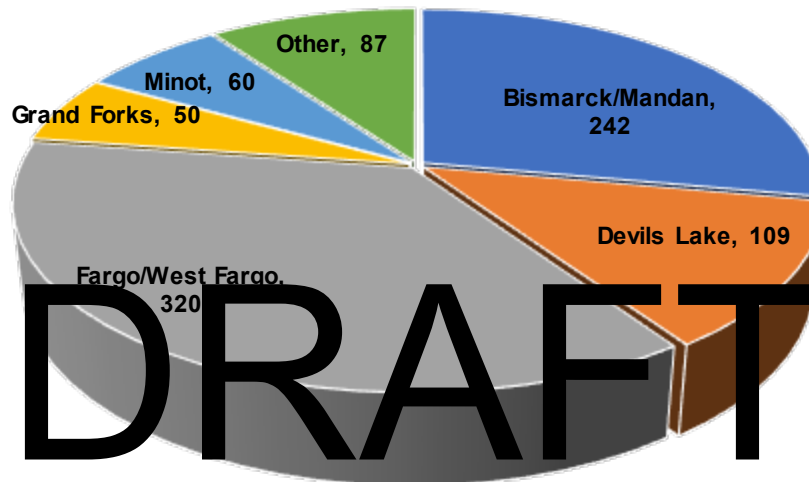
	<u>NDANG</u>	<u>NDARNG</u>	<u>Total</u>	<u>Multiplier</u>	<u>Indirect Jobs created</u>
Bismarck					
AGR	5	136	141	0.29	41
Federal Technicians	6	205	211	0.43	91
BX/PX , State and Contract		69	69	0.43	30
Reserve	16	603	619	0.13	80
Total	27	1,013	1,040		242
Devils Lake					
AGR		76	76	0.29	22
Federal Technicians		53	53	0.43	23
BX/PX , State and Contract		69	69	0.43	30
Reserve		266	266	0.13	35
		464	464		109
Fargo					
AGR	212	51	263	0.29	76
Federal Technicians	127	36	163	0.43	70
BX/PX , State and Contract	48	1	49	0.43	25
Reserve	78	409	487	0.13	148
Total	465	497	962		320
Grand Forks					
AGR		25	25	0.29	7
Federal Technicians		13	13	0.43	6
BX/PX , State and Contract		3	3	0.43	1
Reserve		278	278	0.13	36
Total		319	319		50
Minot					
AGR	54	21	75	0.29	22
Federal Technicians		10	10	0.43	4
BX/PX , State and Contract		4	4	0.43	2
Reserve	61	184	245	0.13	32
Total	115	219	334		60
Other					
AGR		34	34	0.29	10
Federal Technicians		8	8	0.43	3
BX/PX , State and Contract		3	3	0.43	1
Reserve		555	555	0.13	72
Total		600	600		87
Grand Total	1,207	3,172	4,379		867

TABLE 4a:

Estimated annual dollar value of jobs created (by location)

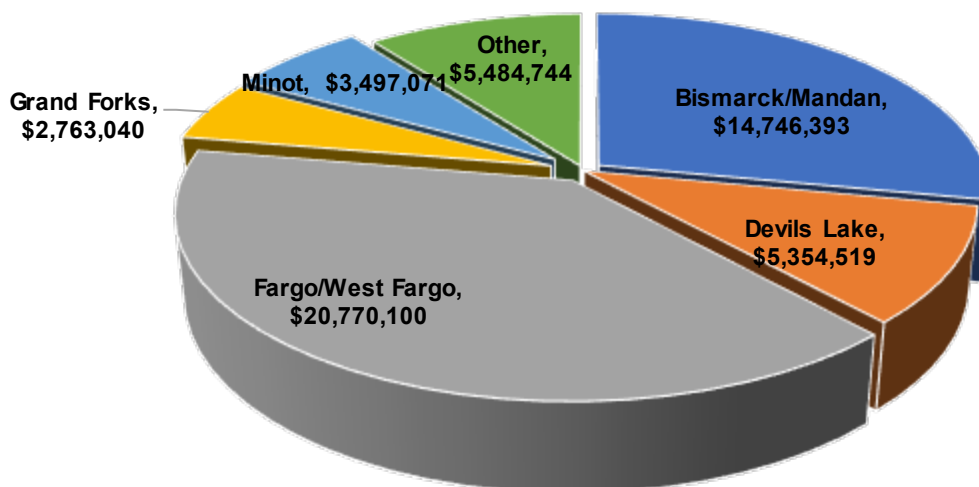
	<u>Indirect Jobs</u>	<u>Average Wage</u>	<u>Indirect Wages</u>
Bismarck/Mandan	242	\$60,996	\$14,746,393
Devils Lake	109	\$49,088	5,354,519
Fargo/West Fargo	320	\$65,000	20,770,100
Grand Forks	50	\$54,964	2,763,040
Minot	60	\$58,656	3,497,071
Other	87	\$63,232	5,484,744
Total	<u>867</u>		<u>\$52,615,867</u>

FY23 NGND Indirect Jobs by Location



Total FY23 NGND Indirect Jobs 867

FY23 NGND Indirect wages by location



Total FY23 NGND Indirect Wages \$52,615,867

TABLE 5:
Total Annual Economic Impact by Location

	<u>NDANG</u>	<u>NDARNG</u>	<u>Total</u>
Annual Payroll			
Bismarck/Mandan	\$1,757,368	\$74,079,378	\$75,836,746
Devils Lake		20,622,735	20,622,735
Fargo/West Fargo	62,486,740	25,405,227	87,891,967
Grand Forks		6,378,723	6,378,723
Minot	7,330,287	4,750,493	12,080,780
Other		11,092,518	11,092,518
Totals	\$71,574,395	\$142,329,074	\$213,903,469
Annual Expenditures			
Bismarck/Mandan	\$69,762	\$16,495,269	\$16,565,031
Devils Lake		12,014,484	12,014,484
Fargo/West Fargo	11,618,643	2,994,412	14,613,055
Grand Forks		3,423,315	3,423,315
Minot	6,080,359	1,311,865	7,392,224
Other		21,506,268	21,506,268
Totals	\$17,768,764	\$57,745,613	\$75,514,377
Annual Indirect Wa es			
Bismarck/Mandan	\$12,681	\$14,746,393	\$14,746,393
Devils Lake		5,354,519	5,354,519
Fargo/West Fargo	14,613,500	6,153,550	20,770,100
Grand Forks		2,763,040	2,763,040
Minot	1,383,695	2,113,376	3,497,071
Other		5,484,744	5,484,744
Totals	\$16,372,931	\$36,242,936	\$52,615,867
Total Economic Impact			
Bismarck/Mandan	\$2,199,816	\$104,948,354	\$107,148,170
Devils Lake		37,991,738	37,991,738
Fargo/West Fargo	88,721,933	34,553,189	123,275,122
Grand Forks		12,565,078	12,565,078
Minot	14,794,341	8,175,734	22,970,075
Other		38,083,530	38,083,530
Totals	\$105,716,090	\$236,317,623	\$342,033,713

TABLE 6:
Total Annual Economic Impact by Location Type

	<u>Payroll</u>	<u>Expenditures</u>	<u>Indirect Wages</u>	<u>Total</u>
Bismarck/Mandan	\$ 75,836,746	\$ 16,565,031	\$ 14,746,393	\$ 107,148,170
Devils Lake	20,622,735	12,014,484	5,354,519	37,991,738
Dickinson	1,047,181	19,265,872	606,354	20,919,407
Edgeley	853,664	137,777	523,669	1,515,110
Fargo/West Fargo	87,891,967	14,613,055	20,770,100	123,275,122
Grand Forks	6,378,723	3,423,315	2,763,040	12,565,078
Jamestown	2,072,204	261,092	1,028,964	3,362,260
Lisbon	371,967	83,817	385,861	841,645
Minot	12,080,780	7,392,224	3,497,071	22,970,075
Valley City	3,005,512	566,659	716,600	4,288,771
Wahpeton	2,410,955	850,046	1,451,574	4,712,575
Williston	864,493	187,974	431,797	1,484,264
Wishek	466,542	153,031	339,925	959,498
	\$ 213,903,469	\$ 75,514,377	\$ 52,615,867	\$ 342,033,713

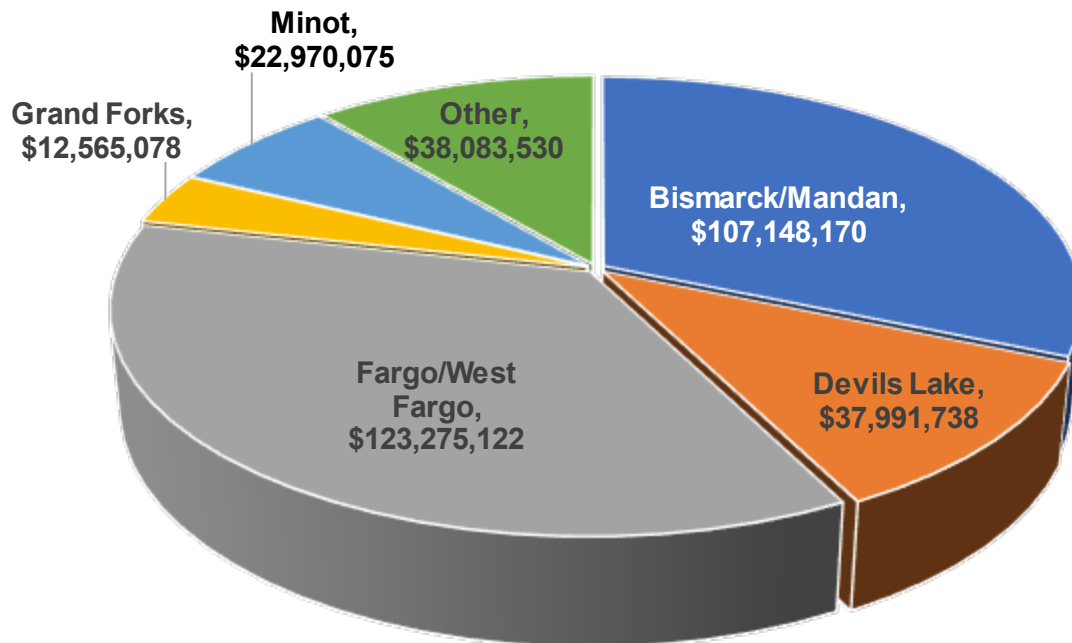
TABLE 7:
Total Annual Economic Impact by Location and Component

	<u>NDANG</u>	<u>NDARNG</u>	<u>Total</u>
Bismarck/Mandan	\$2,199,816	\$104,948,354	\$107,148,170
Devils Lake		37,991,738	37,991,738
Dickinson		20,919,407	20,919,407
Edgeley		1,515,110	1,515,110
Fargo/West Fargo	88,721,933	34,553,189	123,275,122
Grand Forks		12,565,078	12,565,078
Jamestown		3,362,260	3,362,260
Lisbon		841,645	841,645
Minot	14,794,341	8,175,734	22,970,075
Valley City		4,288,771	4,288,771
Wahpeton		4,712,575	4,712,575
Williston		1,484,264	1,484,264
Wishek		959,498	959,498
Total	\$105,716,090	\$236,317,623	\$342,033,713

	<u>Federal</u>	<u>State</u>	<u>Total</u>
Bismarck/Mandan	\$ 99,960,816	\$ 7,187,354	\$ 107,148,170
Devils Lake	35,133,057	2,858,681	37,991,738
Dickinson	20,884,142	35,265	20,919,407
Edgeley	1,478,402	36,708	1,515,110
Fargo/West Fargo	119,102,899	4,172,223	123,275,122
Grand Forks	12,246,193	318,885	12,565,078
Jamestown	3,303,088	59,172	3,362,260
Lisbon	809,374	32,271	841,645
Minot	22,350,059	620,016	22,970,075
Valley City	4,235,341	53,430	4,288,771
Wahpeton	3,090,147	1,622,428	4,712,575
Williston	1,437,784	46,480	1,484,264
Wishek	876,719	82,779	959,498
Total	<u>\$ 324,908,021</u>	<u>\$ 17,125,692</u>	<u>\$ 342,033,713</u>

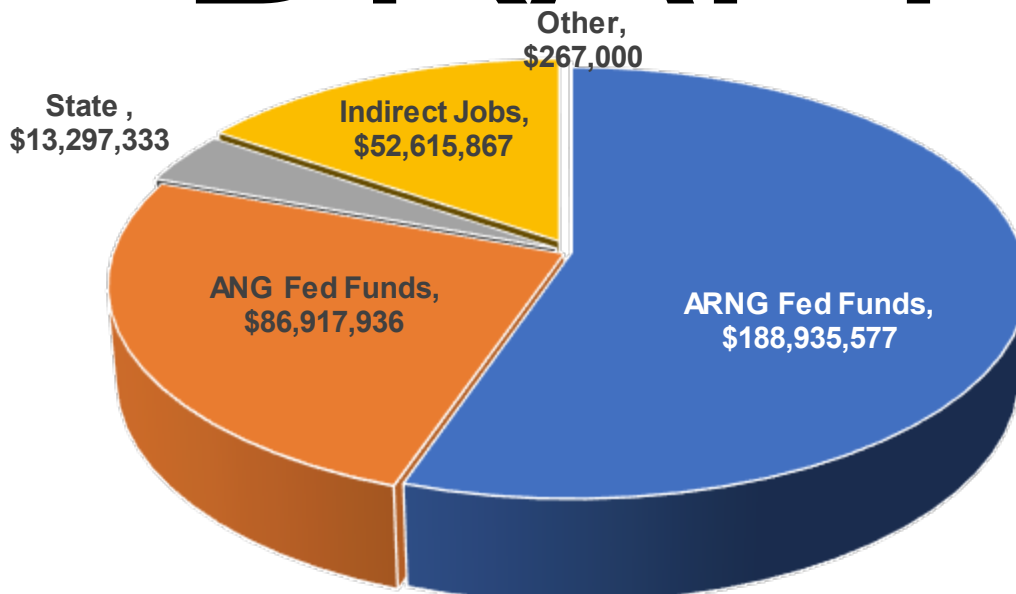
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FY23 NGND Economic Impact by Location



Total FY23 EIA \$342,033,713

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State Funds include Special Funds of \$2,693,016
FY23 Total NGND EIA \$342,033,713

NGND ECONOMIC 5 YEAR COMPARISION

