

# 2023

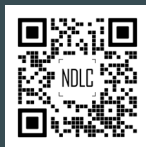
## North Dakota Finance Facts

Legislator's Pocket Guide to  
North Dakota Budget,  
Performance, and Statistics

North Dakota Legislative Council  
600 East Boulevard Avenue  
Bismarck, ND 58505

701.328.2916  
[www.ndlegis.gov](http://www.ndlegis.gov)

September 2023



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# 2023 North Dakota Finance Facts

## Legislator's Pocket Guide to North Dakota Budget, Performance, and Statistics

This report contains key indicators and trends relating to North Dakota's economy, state budget, and the performance of its agencies and departments.

The information in the report is categorized by the following major topic areas:

<b>Topic Area</b>	<b>Section Color</b>	<b>Pages</b>
1. Economic Statistics.....	Red .....	1-8
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6. Corrections.....	Brown.....	31-32
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The table of contents on the following pages provides more detailed references to specific data included in the report.



**North Dakota Legislative Council**  
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# 2023 NORTH DAKOTA FINANCE FACTS

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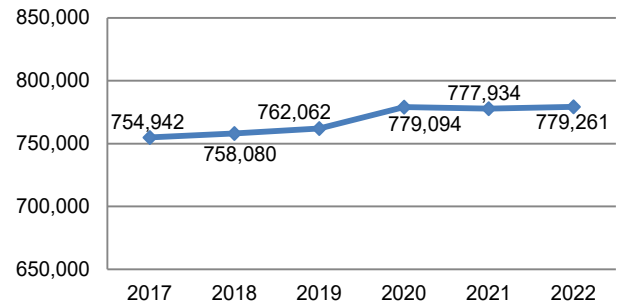
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## ECONOMIC STATISTICS

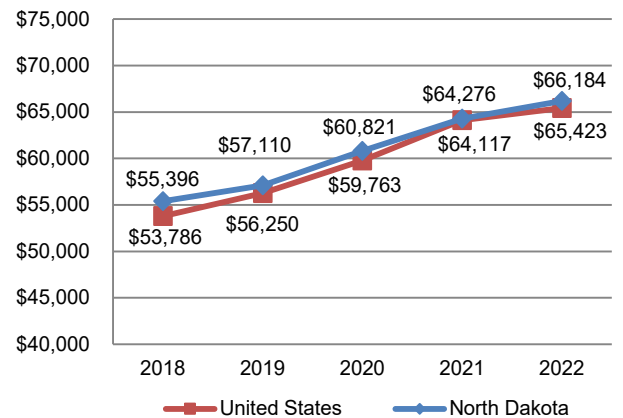
### TOTAL POPULATION ESTIMATES (Based on 2010 and 2020 Census Data and Estimates)



Year	Population	Annual Percentage Change
2017 <sup>1</sup>	754,942	0.07%
2018 <sup>1</sup>	758,080	0.42%
2019 <sup>1</sup>	762,062	0.53%
2020 <sup>2</sup>	779,094	2.23%
2021 <sup>1</sup>	777,934	(0.15%)
2022 <sup>1</sup>	779,261	0.17%

<sup>1</sup>Based on July 1 population estimates.  
<sup>2</sup>Based on 2020 Census data.  
 Source: U.S. Census Bureau

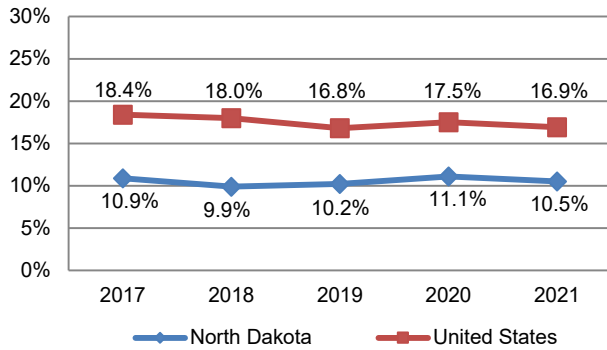
### PER CAPITA PERSONAL INCOME



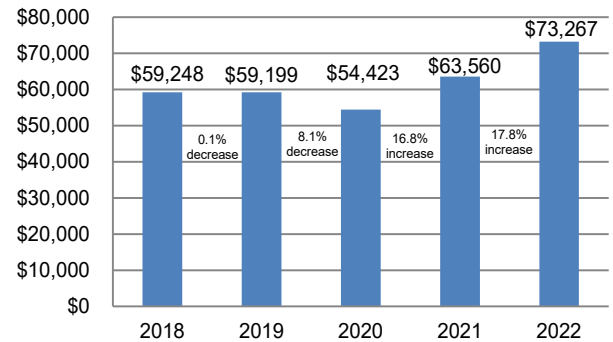
For 2022 North Dakota ranked 15th of the 50 states and North Dakota's cumulative increase from 2018 through 2022 was 19 percent.

Source: Bureau of Economic Analysis

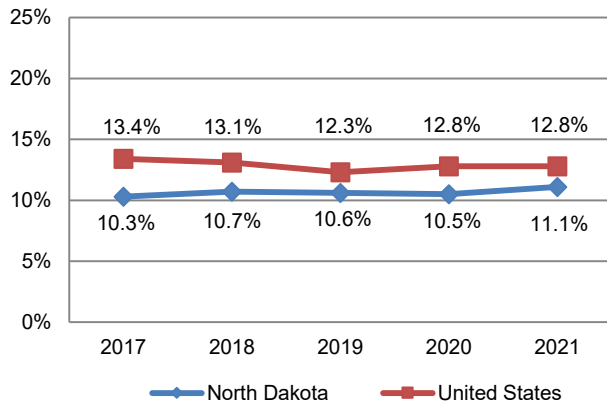
### PERCENTAGE OF NORTH DAKOTA POPULATION (CHILDREN AGED 0-17) IN POVERTY COMPARED TO THE UNITED STATES



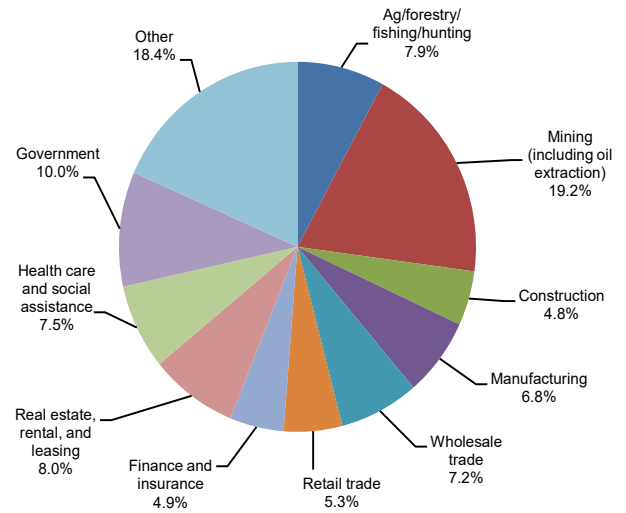
### GROSS STATE PRODUCT Total Gross State Product (Amounts Shown in Millions)



### PERCENTAGE OF NORTH DAKOTA POPULATION (ALL AGES) IN POVERTY COMPARED TO THE UNITED STATES



### 2022 Gross State Product by Major Industry



The poverty thresholds in 2021 were:

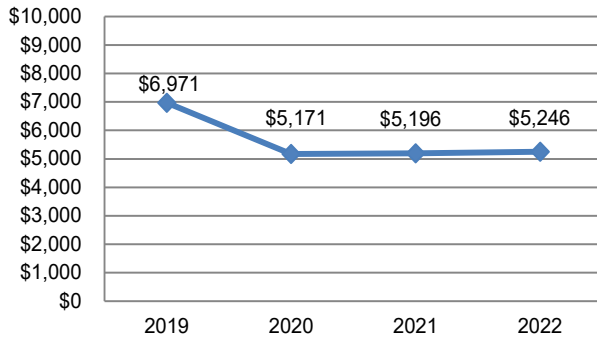
Family Size (Persons)	Threshold
1	\$13,788
2	\$17,529
3	\$21,811
4	\$27,479
5	\$32,338
6	\$36,207

Source: U.S. Census Bureau

Gross State Product (Amounts Shown in Millions)					
Major Industry	2018	2019	2020	2021	2022
Agriculture, forestry, fishing, and hunting	\$3,127	\$2,440	\$2,804	\$4,078	\$5,801
Mining	10,530	9,430	5,754	9,853	14,071
Construction	2,934	3,216	2,944	3,096	3,498
Manufacturing	3,575	3,899	3,915	4,536	5,017
Wholesale trade	4,599	4,758	4,488	4,939	5,287
Retail trade	2,973	3,101	3,138	3,574	3,869
Finance and insurance	3,037	3,142	3,349	3,630	3,582
Real estate, rental, and leasing	6,079	5,935	5,357	5,594	5,827
Health care and social assistance	4,425	4,792	4,891	5,234	5,466
Government	6,331	6,551	6,710	7,083	7,351
Other	11,638	11,935	11,073	11,943	13,498
<b>Total</b>	<b>\$59,248</b>	<b>\$59,199</b>	<b>\$54,423</b>	<b>\$63,560</b>	<b>\$73,267</b>

Source: Bureau of Economic Analysis

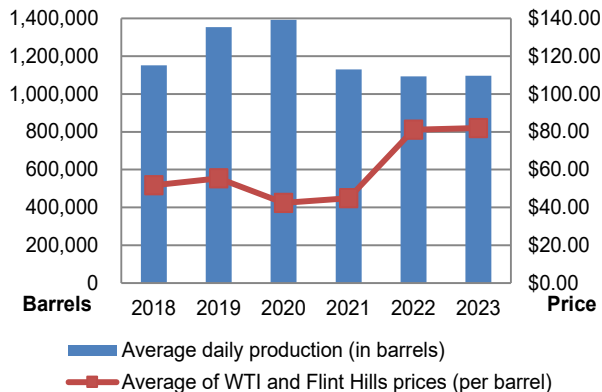
### TOTAL STATE FOREIGN EXPORTS (Amounts Shown in Millions)



Major State Foreign Exports (Amounts Shown in Millions)				
	2019	2020	2021	2022
Biodiesel	\$2,072	\$1,773	\$1,808	\$1,592
Crude oil	2,627	1,462	692	328
Tractors	237	185	143	299
Corn (other than seed corn)	146	103	154	297
Wheat	141	79	188	241
Front-end shovel loaders and excavators	177	146	167	241
Ethyl alcohol	92	86	132	173
Acyclic hydrocarbons (methane, propane)	80	54	94	146
Brewing or distilling dregs and waste	65	60	99	87
Soybeans	70	33	128	62
Seeders, planters, and transplanters	71	50	25	62
Other	1,193	1,140	1,566	1,718
<b>Total</b>	<b>\$6,971</b>	<b>\$5,171</b>	<b>\$5,196</b>	<b>\$5,246</b>

Source: U.S. Census Bureau - Foreign Trade Statistics

### AVERAGE DAILY OIL PRODUCTION AND AVERAGE PRICE PER BARREL OF OIL



	Fiscal Year					
	2018	2019	2020	2021	2022	2023
Barrels	1,152,501	1,353,216	1,391,837	1,130,401	1,092,564	1,096,533
Price	\$51.73	\$55.43	\$42.42	\$44.92	\$81.09	\$82.02

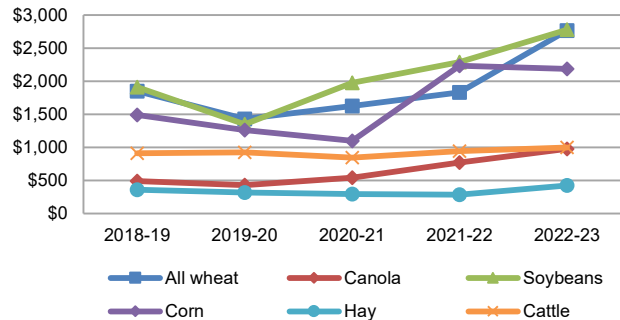
Sources: Department of Mineral Resources, Flint Hills Resources, and the U.S. Energy Information Administration

### AGRICULTURE AND LIVESTOCK MARKETING YEAR AVERAGE PRICE

Crops and Cattle	Marketing Year Average Price (Per Bushel or Head)				
	2018-19	2019-20	2020-21	2021-22	2022-23 <sup>1</sup>
All wheat <sup>2</sup>	\$5.09	\$4.47	\$5.22	\$9.35	\$9.20
Spring wheat	\$5.12	\$4.44	\$5.11	\$8.82	\$9.10
Durum wheat	\$4.83	\$4.66	\$5.98	\$13.90	\$10.40
Winter wheat	\$5.05	\$3.87	\$4.82	\$8.27	\$8.55
Barley	\$4.24	\$4.16	\$4.56	\$5.38	\$7.20
Oats	\$2.41	\$2.47	\$2.54	\$4.80	\$4.85
Rye	\$6.27	\$6.01	\$5.35	\$6.75	\$7.50
Sunflower	\$18.10	\$19.70	\$21.60	\$32.60	\$28.70
Canola	\$15.80	\$14.80	\$18.50	\$33.40	\$30.10
Soybeans	\$7.98	\$7.93	\$10.20	\$12.60	\$14.00
Flaxseed	\$9.89	\$9.15	\$11.10	\$25.90	\$18.10
Corn	\$3.32	\$3.07	\$4.44	\$5.86	\$6.25
Dry edible beans	\$22.90	\$29.60	\$28.90	\$41.00	N/A
Dry edible peas	\$10.50	\$9.49	\$10.60	\$19.90	\$17.40
Lentils	\$14.80	\$13.90	\$18.20	\$37.60	\$32.40
Potatoes	\$9.53	\$11.50	\$11.70	\$11.50	\$13.10
Sugarbeets	\$35.60	\$38.00	\$49.30	\$58.40	N/A
Hay	\$87.00	\$83.00	\$86.00	\$154.00	\$122.00
Cattle	\$1,340.00	\$1,330.00	\$1,350.00	\$1,360.00	\$1,510.00

<sup>1</sup>Data for the 2022-23 market year is preliminary.  
<sup>2</sup>All wheat crop is a weighted average of spring wheat, durum wheat, and winter wheat, based on volume.  
 Source: U.S. Department of Agriculture

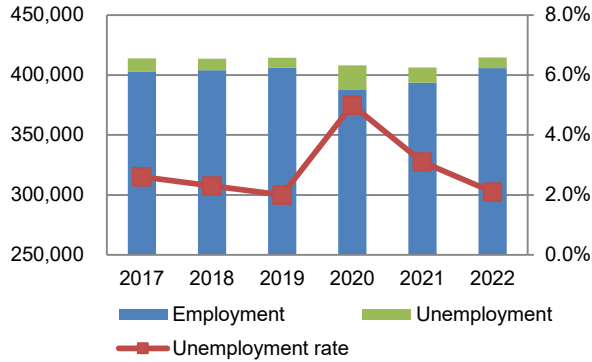
### AGRICULTURE AND LIVESTOCK VALUE OF PRODUCTION (Amounts Shown in Millions)



Crops and Cattle	Value of Production (Amounts Shown in Millions)				
	2018-19	2019-20	2020-21	2021-22	2022-23 <sup>1</sup>
All wheat	\$1,849	\$1,430	\$1,627	\$1,829	\$2,767
Canola	\$489	\$429	\$540	\$770	\$978
Soybeans	\$1,910	\$1,349	\$1,977	\$2,288	\$2,778
Corn	\$1,488	\$1,259	\$1,099	\$2,234	\$2,186
Hay	\$358	\$320	\$295	\$285	\$424
Cattle	\$911	\$925	\$845	\$943	\$998

<sup>1</sup>Data for the 2022-23 market year is preliminary.  
 Source: U.S. Department of Agriculture

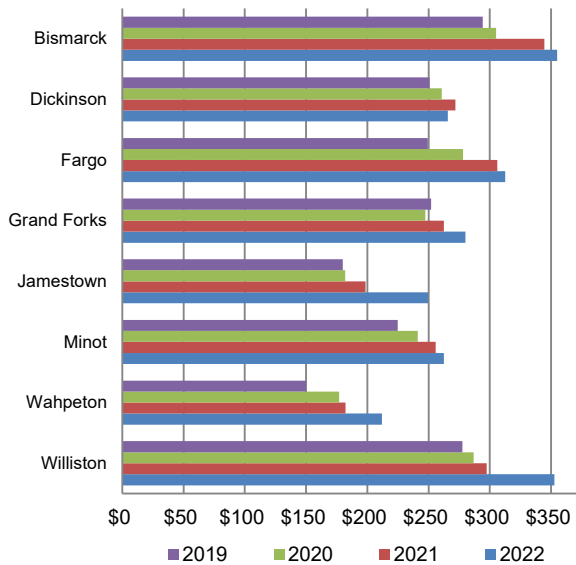
### EMPLOYMENT AND UNEMPLOYMENT



Year End	Job Force	Employment	Unemployment	Unemployment Rate
2017	413,778	402,903	10,875	2.6%
2018	413,523	403,964	9,559	2.3%
2019	414,418	406,077	8,341	2.0%
2020	408,184	387,978	20,206	5.0%
2021	406,282	393,547	12,735	3.1%
2022	414,630	405,780	8,850	2.1%

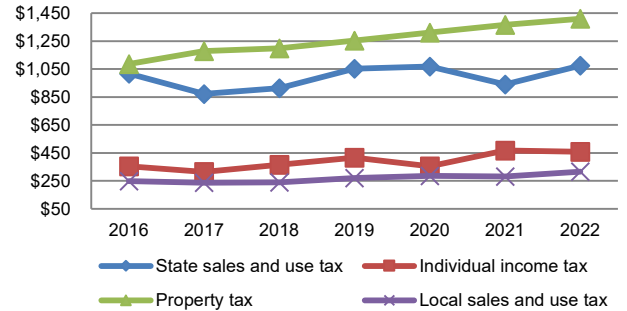
Source: U.S. Department of Labor as of December of each year

### AVERAGE HOME SALE PRICES BY CITY (Amounts Shown in Thousands)



Source: North Dakota Association of Realtors

### MAJOR SOURCES OF STATE/LOCAL REVENUE (Amounts Shown in Millions)

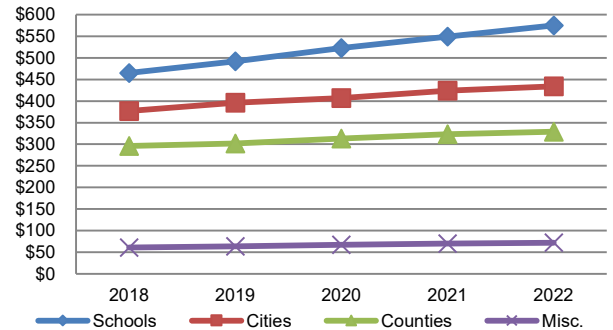


Fiscal Year	State Sales and Use Tax	Individual Income Tax	Property Tax <sup>1</sup>	Local Sales and Use Tax <sup>2</sup>
2016	\$1,017.4	\$355.5	\$1,086.1	\$248.9
2017	\$872.4	\$314.2	\$1,177.9	\$236.7
2018	\$912.5	\$366.3	\$1,198.8	\$239.6
2019	\$1,053.1	\$415.4	\$1,254.2	\$270.9
2020	\$1,067.9	\$354.3	\$1,310.5	\$286.8
2021	\$939.9	\$467.6	\$1,365.4	\$280.9
2022	\$1,074.6	\$458.6	\$1,409.6	\$315.9

<sup>1</sup>Property taxes include the 12 percent state-paid for 2016 (\$116.3 million).

<sup>2</sup>Local sales tax amounts do not include city occupancy or city restaurant and lodging taxes.

### PROPERTY TAXES BY TAXING DISTRICTS (Amounts Shown in Millions)



Year Payable	2018	2019	2020	2021	2022
Schools	\$465	\$492	\$523	\$549	\$575
Cities	377	396	407	424	434
Counties	296	302	313	323	329
Misc.	61	64	67	70	72
Total	\$1,199	\$1,254	\$1,310	\$1,366	\$1,410

Based on property taxes levied in 2022, payable in 2023, one mill generated approximately \$5.6 million statewide.

Source: North Dakota Tax Department

# NOTES

## STATE BUDGET

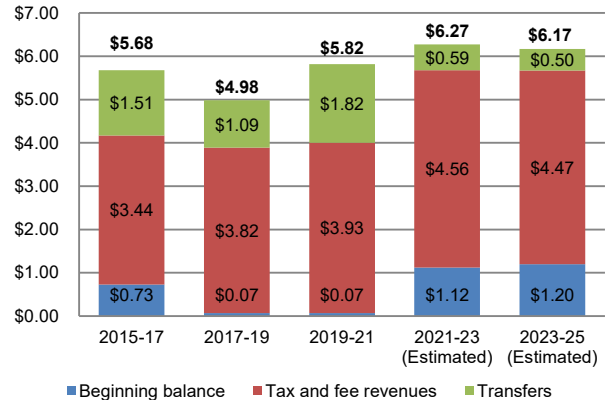
### 2023-25 GENERAL FUND BUDGET SUMMARY (Amounts Shown in Millions)

Budget Approved by the 2023 Legislative Assembly	
General fund balance - July 1, 2023	\$1,198.11
Add estimated 2023-25 general fund revenues and transfers	4,969.6
Total resources available	\$6,167.7
Less 2023-25 general fund appropriations	6,096.2
Estimated general fund balance - June 30, 2025	\$71.5 <sup>2</sup>

<sup>1</sup>This amount includes \$48.3 million of deficiency appropriations, \$214.1 million of "turnback," and \$32.8 million of authorized "carryover."  
<sup>2</sup>In addition, the budget stabilization fund is projected to have a June 30, 2025, balance of \$914.4 million.

State Budget

### 2023-25 GENERAL FUND REVENUES (Amounts Shown in Billions)



Biennium	(Amounts Shown in Millions)			
	Beginning Balance	Tax and Fee Revenues	Transfers	Total
2015-17	\$729.5	\$3,437.6	\$1,511.6	\$5,678.7
2017-19	\$65.0	\$3,818.1	\$1,095.3	\$4,978.4
2019-21	\$65.0	\$3,931.1	\$1,820.8	\$5,816.9
2021-23 (Estimated)	\$1,122.4	\$4,557.7	\$592.8	\$6,272.9
2023-25 (Estimated)	\$1,198.2	\$4,466.1	\$503.4	\$6,167.7

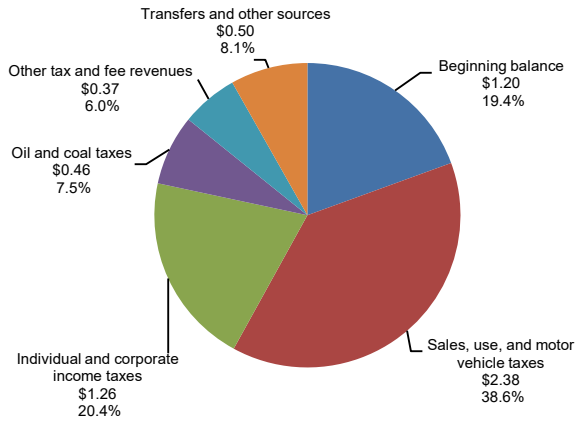
### 2023-25 BIENNIUM TAX RELIEF

**Individual income tax relief** - The 2023 Legislative Assembly provided **\$358.3 million** of individual income tax relief by consolidating the tax brackets and decreasing the tax rates.

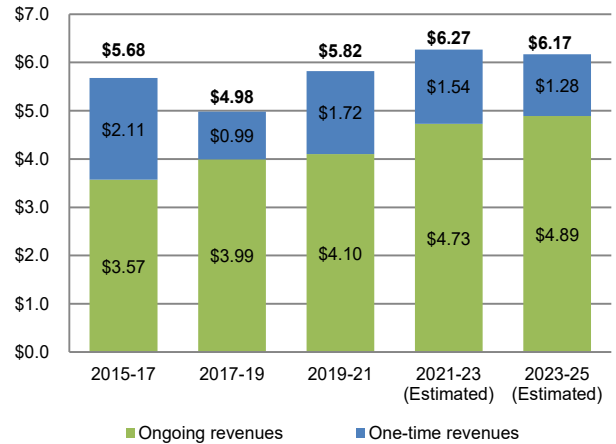
**Property tax relief** - The 2023 Legislative Assembly provided **\$53.5 million** to expand the homestead property tax credit program by increasing eligibility for incomes up to \$70,000 and provided **\$103.3 million** for a new primary residence credit of up to \$500 per residence per year beginning with tax year 2024.



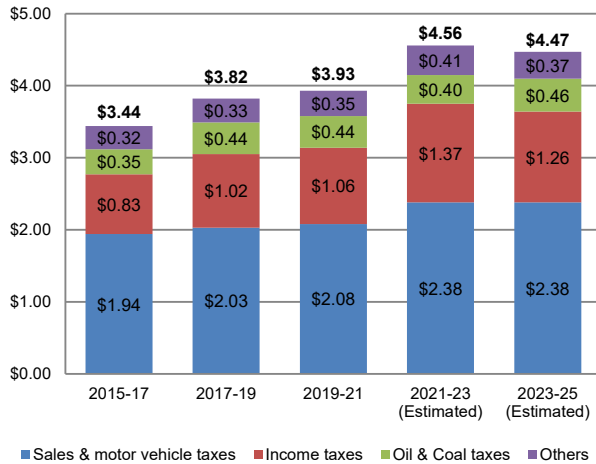
### 2023-25 ESTIMATED MAJOR SOURCES OF GENERAL FUND REVENUES (Amounts Shown in Billions) Total - \$6.17 billion



### 2023-25 ONGOING AND ONE-TIME GENERAL FUND REVENUES (Amounts Shown in Billions)



### GENERAL FUND TAX AND FEE REVENUES - MAJOR REVENUE TYPES (Amounts Shown in Billions)



Biennium	(Amounts Shown in Millions)		
	Ongoing	One-Time	Total
2015-17	\$3,564.4	\$2,114.3	\$5,678.7
2017-19	\$3,987.8	\$990.6	\$4,978.4
2019-21	\$4,101.3	\$1,715.6	\$5,816.9
2021-23 (Estimated)	\$4,726.7	\$1,546.2	\$6,272.9
2023-25 (Estimated)	\$4,888.2	\$1,279.5	\$6,167.7

### TAX RATES AND CHANGES

**Sales and use tax and motor vehicle excise tax** - The rate is 5 percent (state portion). Based on the 2023 legislative revenue forecast, collections would change by approximately **\$520 million per biennium**, or \$260 million per year, for a 1 percentage point rate change.

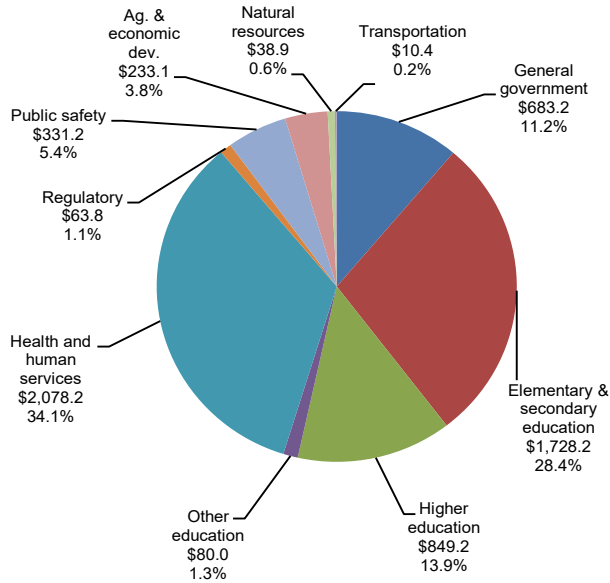
**Individual income tax** - The rates range from 0 to 2.50 percent with taxable income based on the individual's federal taxable income. Based on the 2023 legislative revenue forecast, collections would change by approximately **\$87 million per biennium**, or \$43.5 million per year, for a 10 percent change in the rates for all brackets (e.g., the 2.50 percent rate would increase to 2.75 percent or decrease to 2.25 percent).

**Corporate income tax** - The rates range from 1.41 to 4.31 percent with taxable income based on income apportioned to North Dakota. Based on the 2023 legislative revenue forecast, collections would change by approximately **\$38 million per biennium**, or \$19 million per year, for a 10 percent change in the rate for all brackets (e.g., the 4.31 percent rate would increase to 4.74 percent or decrease to 3.88 percent).

Biennium	(Amounts Shown in Millions)				
	Sales & Motor Vehicle Taxes	Income Taxes	Oil & Coal Taxes	Others	Total
2015-17	\$1,939.6	\$833.5	\$343.7	\$320.8	\$3,437.6
2017-19	\$2,025.5	\$1,018.2	\$444.6	\$329.8	\$3,818.1
2019-21	\$2,083.7	\$1,055.9	\$442.7	\$348.8	\$3,931.1
2021-23 (Estimated)	\$2,381.0	\$1,366.0	\$400.0	\$410.7	\$4,557.7
2023-25 (Estimated)	\$2,378.6	\$1,256.7	\$460.0	\$370.8	\$4,466.1

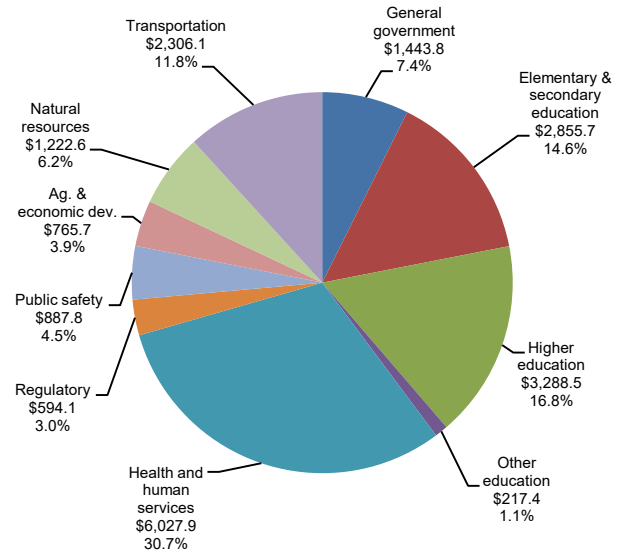
## 2023-25 BIENNIUM GENERAL FUND APPROPRIATIONS (Amounts Shown in Millions)

Total - \$6,096.2

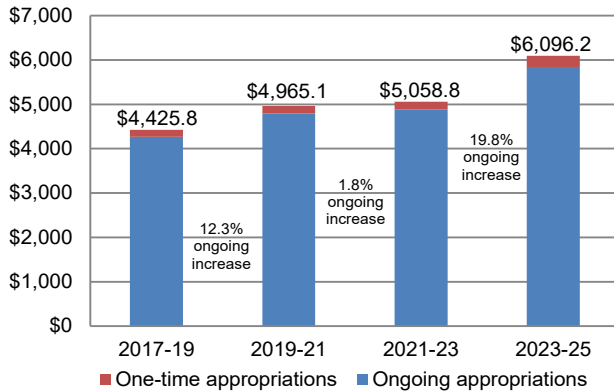


## 2023-25 BIENNIUM ALL FUNDS APPROPRIATIONS (Amounts Shown in Millions)

Total - \$19,609.6

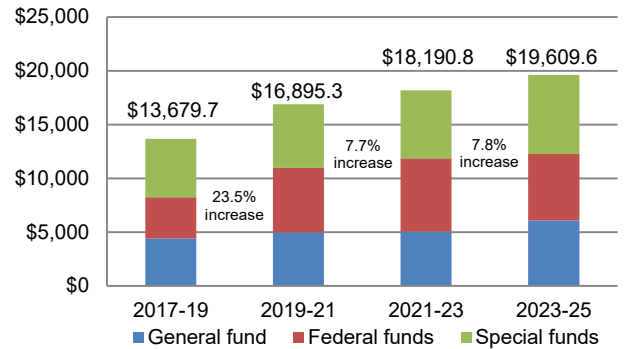


## HISTORY OF GENERAL FUND APPROPRIATIONS (Amounts Shown in Millions)



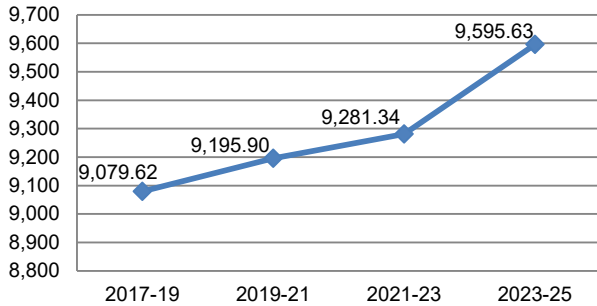
Biennium	(Amounts Shown in Millions)		
	Ongoing	One-Time	Total
2017-19	\$4,269.5	\$156.3	\$4,425.8
2019-21	\$4,794.9	\$170.2	\$4,965.1
2021-23	\$4,878.9	\$179.9	\$5,058.8
2023-25	\$5,842.7	\$253.5	\$6,096.2

## HISTORY OF TOTAL APPROPRIATIONS (Amounts Shown in Millions)



Biennium	(Amounts Shown in Millions)			
	General Fund	Federal Funds	Special Funds	Total
2017-19	\$4,425.8	\$3,821.6	\$5,432.3	\$13,679.7
2019-21	\$4,965.1	\$6,018.0	\$5,912.2	\$16,895.3
2021-23	\$5,058.8	\$6,799.3	\$6,332.7	\$18,190.8
2023-25	\$6,096.2	\$6,180.5	\$7,332.9	\$19,609.6

### NUMBER OF STATE EMPLOYEES<sup>1</sup> (Full-Time Equivalent (FTE) Positions)

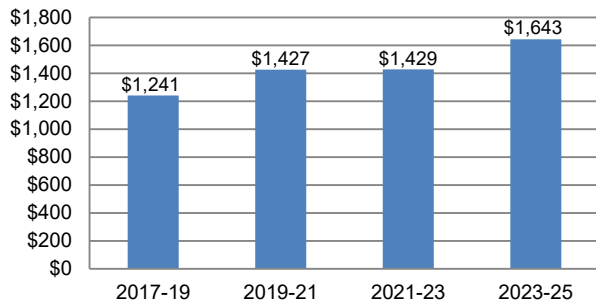


<sup>1</sup>These amounts do not include employees of the North Dakota University System.

### FUNDING INCREASES FOR STATE EMPLOYEE SALARY ADJUSTMENTS

2017-19	The 2017 Legislative Assembly did not provide funding for state employee salary increases for the 2017-19 biennium.
2019-21	2% with a \$120 monthly minimum and a \$200 monthly maximum on July 1, 2019, and 2.5% on July 1, 2020
2021-23	1.5% with a \$100 monthly minimum on July 1, 2021, and 2% on July 1, 2022
2023-25	Targeted market equity increases effective June 1, 2023, 6% salary increases effective July 1, 2023, and 4% salary increases effective July 1, 2024

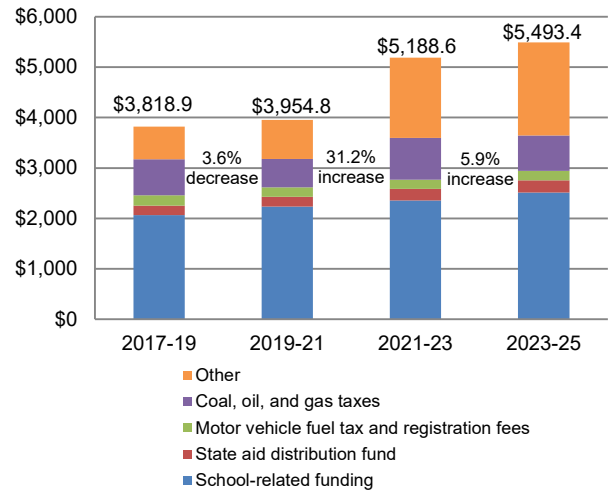
### COST OF STATE EMPLOYEE HEALTH INSURANCE PREMIUMS HISTORY



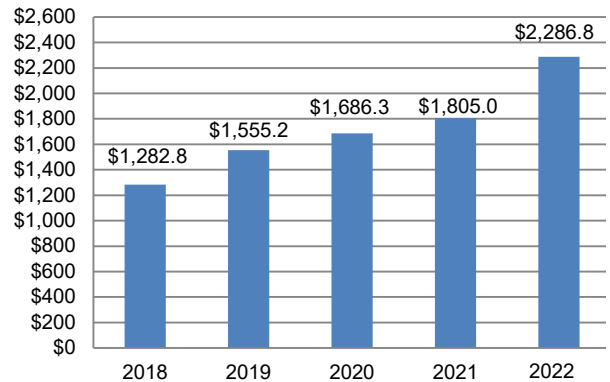
Biennium	Monthly Premium	Increase From Previous Biennium	Percentage Increase
2017-19	\$1,241	\$111	9.8%
2019-21	\$1,427	\$186	15.0%
2021-23	\$1,429	\$2	0.1%
2023-25	\$1,643	\$214	15.0%

### ASSISTANCE TO POLITICAL SUBDIVISIONS (Amounts Shown in Millions)

The following is a summary of major state appropriations and revenue allocations for direct assistance to political subdivisions:



### STATE DEBT (Amounts Shown in Millions)



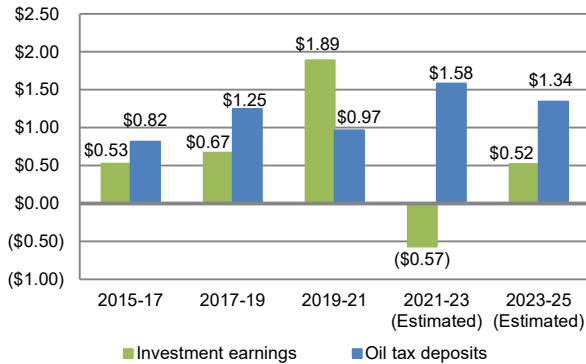
### Bonds Outstanding as of June 30, 2023 (Amounts Shown in Millions)

North Dakota Building Authority	\$101.9
Legacy Bond Fund	389.8
Student loan trust	1.0
Housing Finance Agency	1,479.6
North Dakota University System	313.2
State Fair Association	1.3
<b>Total</b>	<b>\$2,286.8</b>

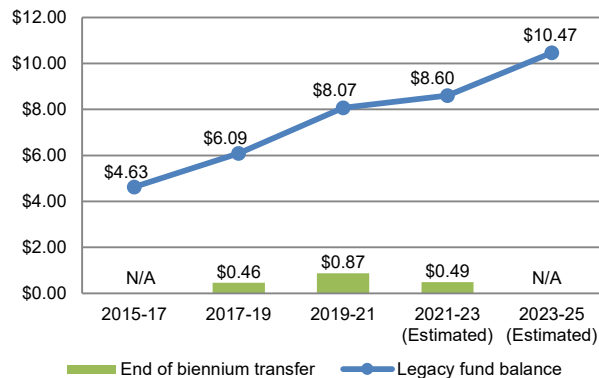
### LEGACY FUND

The legacy fund was created in 2010 when the voters of North Dakota approved a constitutional amendment to provide that 30 percent of oil and gas production and oil extraction taxes on oil and gas produced after June 30, 2011, be transferred to the legacy fund. The principal and earnings of the legacy fund could not be spent until after June 30, 2017, and any expenditure of principal after that date requires approval of at least two-thirds of the members elected to each house of the Legislative Assembly. Not more than 15 percent of the principal of the fund may be spent during a biennium. Earnings accruing after June 30, 2017, are transferred to the general fund at the end of each biennium. For the 2017-19 and 2019-21 biennium, the end of biennium transfers were based on interest, dividends, and realized earnings. For the 2021-23 biennium and subsequent bienniums, the end of biennium transfers are based on a percent of market value calculation using 7 percent of the 5-year average balance of the legacy fund.

**Legacy Fund Earnings and Deposits**  
(Amounts Shown in Billions)

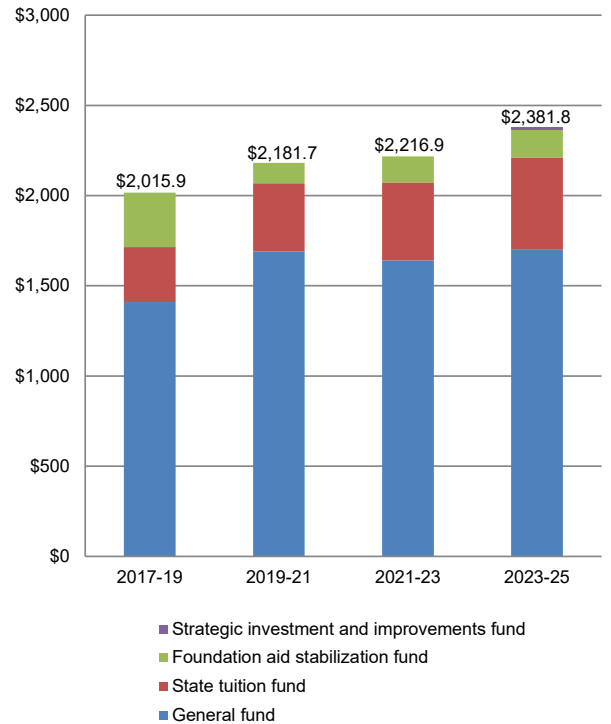


**Legacy Fund Balance and Transfers**  
(Amounts Shown in Billions)



## K-12 EDUCATION

**STATE SCHOOL AID APPROPRIATIONS**  
(Amounts Shown in Millions)



Biennium	(Amounts Shown in Millions)				Total
	General Fund	State Tuition Fund	Foundation Aid Stabilization Fund	Strategic Investment and Improvements Fund	
2017-19	\$1,409.4	\$305.5	\$301.0 <sup>1</sup>		\$2,015.9
2019-21	\$1,690.9	\$377.8	\$113.0 <sup>2</sup>		\$2,181.7
2021-23	\$1,640.4	\$433.0	\$143.5		\$2,216.9
2023-25	\$1,699.9	\$510.9	\$157.0	\$14.0	\$2,381.8

<sup>1</sup>The 2017 Legislative Assembly provided \$301 million from the foundation aid stabilization fund for one-time rapid enrollment grants (\$6 million) and integrated formula payments (\$295 million). Of the \$295 million, \$185 million is considered to be one-time funding.

<sup>2</sup>The 2019 Legislative Assembly provided \$113 million from the foundation aid stabilization fund for ongoing funding for integrated formula payments (\$110 million) and one-time funding for rapid enrollment grants (\$3 million).

## STATE SCHOOL AID APPROPRIATIONS - DETAIL

	2021-23 Biennium	2023-25 Biennium	Increase (Decrease)
State school aid - Integrated formula payments	\$2,131,825,000	\$2,299,674,851	\$167,849,851
Transportation aid	58,100,000	58,100,000	0
Special education	27,000,000	24,000,000	(3,000,000)
Total state school aid	\$2,216,925,000	\$2,381,774,851	\$164,849,851

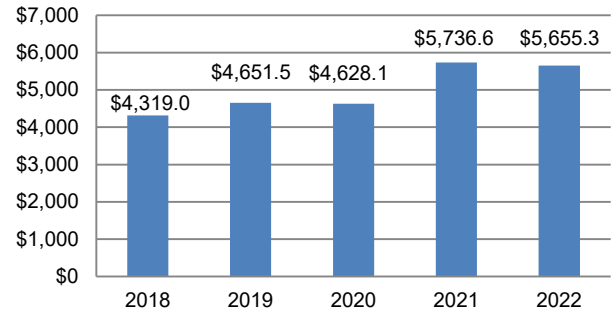
### STATE SCHOOL AID FORMULA - INTEGRATED FORMULA PAYMENTS

In 2013 the Legislative Assembly approved the implementation of a new integrated formula payment to provide school funding. The formula provides the state will determine an adequate base level of support necessary to educate students by applying an integrated formula payment rate to the weighted student units (WSUs) of the school district. For the 2023-25 biennium, the integrated payment rates are increased 4 percent each year of the biennium to provide \$10,646 per WSU during the 1<sup>st</sup> year of the biennium and \$11,072 per WSU during the 2<sup>nd</sup> year of the biennium. Integrated formula payments during the 2023-25 biennium were estimated based on 2023-24 school year average daily membership (ADM) of 117,068 students, or 139,064 WSUs, and 2024-25 school year ADM of 118,530 students, or 140,595 WSUs. This base level of support will be provided through a combination of local tax sources, local revenue, and state integrated formula payments. The local funding requirement is set at 60 mills and a percentage of identified local in lieu of property tax sources and local revenues. Base level support not provided by local sources is provided by the state through the integrated formula payment. Based on estimated local property values and local revenue during the 2023-25 biennium, state support is estimated to provide 74 percent of integrated formula payments.

## COMMON SCHOOLS TRUST FUND

The common schools trust fund is provided for in Article IX of the Constitution of North Dakota, which provides that the fund is to be used to support the common schools of the state. The fund consists of income from state lands dedicated for the support of schools, 10 percent of oil extraction tax revenue, and funds received by the state under the Uniform Unclaimed Property Act. Distributions are made annually from the fund for the benefit of schools based on the provisions of Section 2 of Article IX of the Constitution of North Dakota.

### Fund Balance for the Fiscal Year Ending June 30 (Excluding Land and Mineral Values) (Amounts Shown in Millions)



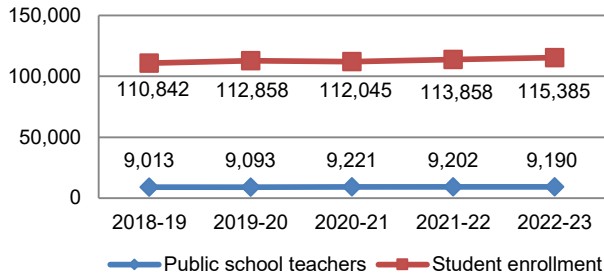
**NOTE:** The unaudited fund balance of the common schools trust fund as of June 30, 2023, is estimated to be \$6.2 billion.

### FOUNDATION AID STABILIZATION FUND

The foundation aid stabilization fund was created in 1994 when the voters of North Dakota approved a constitutional amendment--now Section 24 of Article X of the Constitution of North Dakota--to provide that 20 percent of oil extraction tax revenue be allocated to the common schools trust fund (10 percent) and the foundation aid stabilization fund (10 percent). In November 2016 voters approved Senate Concurrent Resolution No. 4003 (2015), which amended the Constitution of North Dakota to allow the Legislative Assembly to appropriate or transfer the principal balance of the foundation aid stabilization fund in excess of 15 percent of the general fund appropriation for state school aid for education-related purposes. Estimated balances as of the end of the biennium are as follows:

	2021-23 Biennium	2023-25 Biennium
Estimated ending balance	\$489,366,278	\$476,806,278
Estimated required 15 percent reserve	(257,328,931)	(250,093,242)
Estimated balance available	\$232,037,347	\$226,713,036

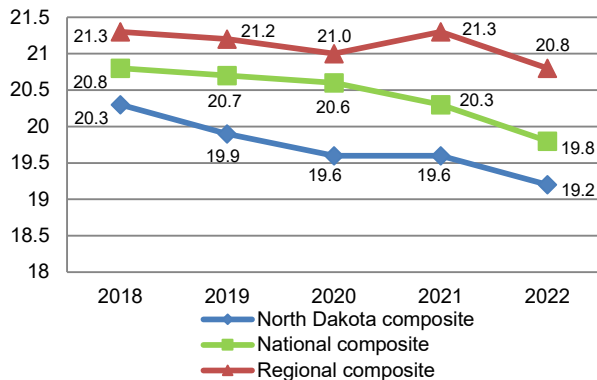
### STUDENT ENROLLMENT AND NUMBER OF TEACHERS



### ACT PROGRAM SCORES

The ACT program scores are designed to predict a student's potential for success in college. Below are average composite scores out of a possible 36 for North Dakota students as well as the average scores for regional states and the nation.

#### Comparison of Average ACT Scores<sup>1</sup>



<sup>1</sup>The regional composite is the average composite scores posted by students tested in Iowa, Minnesota, Montana, South Dakota, and Wyoming. Of the states included in the regional composite average, Wyoming and Montana tested 100 percent and 94 percent of estimated graduating students, respectively. North Dakota tested 96 percent of estimated graduating students. States with higher percentages of students tested tend to have scores more representative of the performance of all students within the state, whereas states with lower percentages of students tested tend to include more college-bound, higher-achieving students.

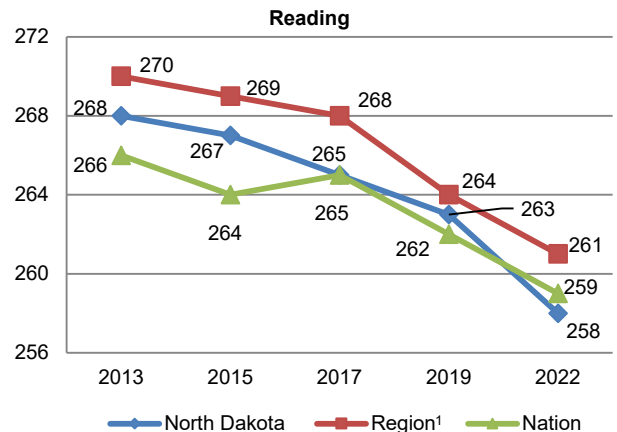
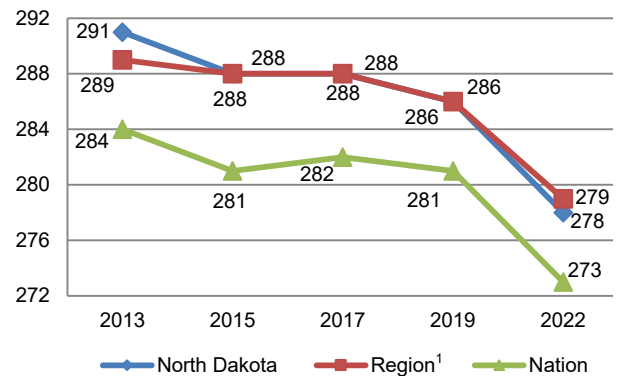
North Dakota					
Class	English	Math	Reading	Science	Composite
2018	19.1	20.3	20.7	20.5	20.3
2019	18.6	19.9	20.3	20.2	19.9
2020	18.2	19.6	20.1	20.1	19.6
2021	18.2	19.7	20.0	20.1	19.6
2022	17.9	19.1	19.7	19.6	19.2

### NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

The national assessment of educational progress (NAEP) is the only nationally representative and continuing assessment of what America's students know and can do in various subject areas. Assessments are conducted periodically in mathematics, reading, science, and writing.

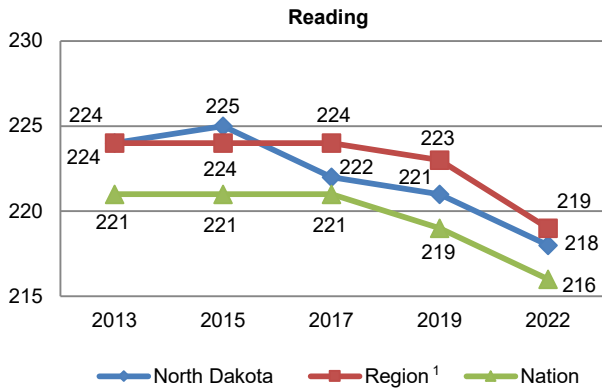
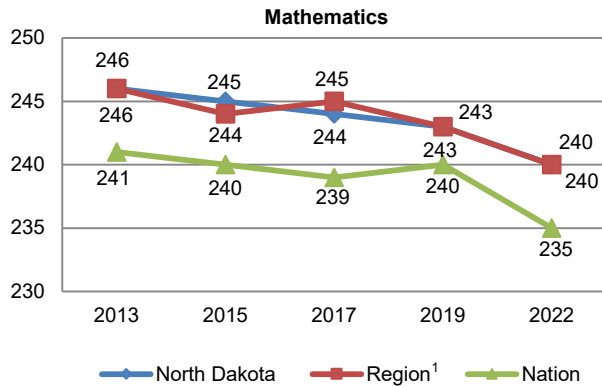
Since NAEP assessments are administered uniformly using the same sets of test booklets across the nation, NAEP results serve as a common metric for all states. The NAEP assessments were not administered in 2021. Testing resumed in 2022 and will result in a new pattern of testing in even-numbered years.

#### Average NAEP Scores - 8<sup>th</sup> Grade Mathematics



<sup>1</sup>The region NAEP score is the average of the Iowa, Minnesota, Montana, South Dakota, and Wyoming posted scores.

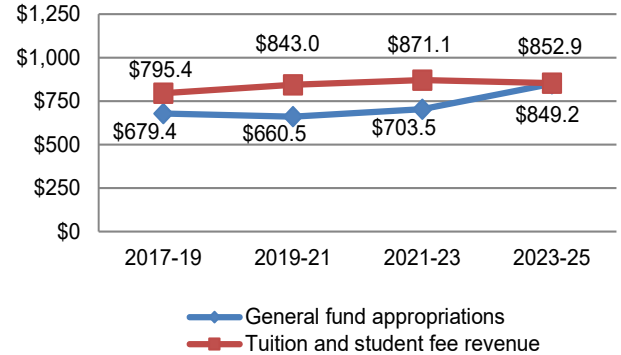
### Average NAEP Scores - 4<sup>th</sup> Grade



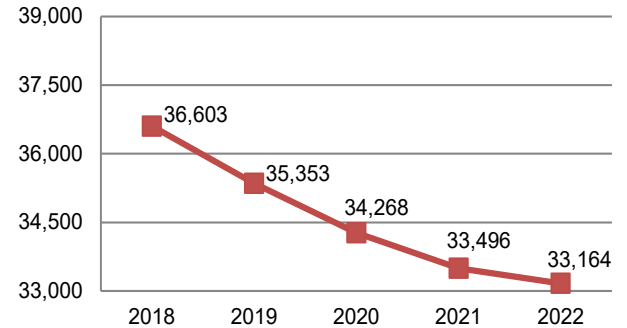
<sup>1</sup>The region NAEP score is the average of the Iowa, Minnesota, Montana, South Dakota, and Wyoming posted scores.

## HIGHER EDUCATION

### GENERAL FUND APPROPRIATIONS AND TUITION AND FEE REVENUE (Amounts Shown in Millions)



### NORTH DAKOTA UNIVERSITY SYSTEM FALL FTE STUDENT ENROLLMENT



### FTE STUDENT ENROLLMENT BY INSTITUTION

Institution	Fall 2020	Fall 2021	Fall 2022
Bismarck State College	2,558	2,390	2,467
Dakota College at Bottineau	552	615	550
Dickinson State University	1,147	1,154	1,155
Lake Region State College	867	791	797
Mayville State University	801	815	784
Minot State University	2,273	2,242	2,167
North Dakota State University	11,253	10,861	10,701
State College of Science	2,020	2,029	2,064
University of North Dakota	10,933	10,842	10,760
Valley City State University	1,160	1,090	1,073
Williston State College	704	667	646
<b>Total</b>	<b>34,268</b>	<b>33,496</b>	<b>33,164</b>

## HIGHER EDUCATION TUITION RATES

The following is information regarding resident student tuition rates for various programs:

### Resident Student - Undergraduate Programs

	2021-22	2022-23	2023-24
Bismarck State College	\$5,009	\$5,209	\$5,209
Dakota College at Bottineau	\$4,356	\$4,530	\$4,530
Dickinson State University	\$7,470	\$7,470	\$7,470
Lake Region State College	\$4,086	\$4,249	\$4,249
Mayville State University	\$6,266	\$6,517	\$6,517
Minot State University	\$6,892	\$7,168	\$7,168
State College of Science	\$4,503	\$4,683	\$4,683
North Dakota State University	\$8,951	\$9,309	\$9,309
University of North Dakota	\$8,882	\$9,237	\$9,237
Valley City State University	\$6,364	\$6,619	\$6,619
Williston State College	\$4,017	\$4,138	\$4,138

### Resident Student - Graduate Programs

	2021-22	2022-23	2023-24
Minot State University	\$8,992	\$9,352	\$9,352
North Dakota State University	\$9,724	\$10,113	\$10,113
University of North Dakota	\$11,503	\$11,963	\$11,963
Valley City State University	\$8,467	\$8,807	\$8,807

### Resident Student - Professional Programs

	2021-22	2022-23	2023-24
University of North Dakota law school	\$14,526	\$15,253	\$15,253
University of North Dakota medical school	\$33,686	\$34,360	\$34,360
University of North Dakota physical therapy	\$20,837	\$21,671	\$21,671

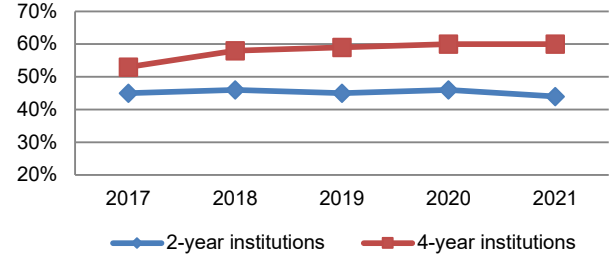
### Tuition and Fees as a Percentage of Median Household Income

	2019-20	2020-21	2021-22	2022-23
Doctoral institutions				
North Dakota average	11.3%	11.7%	12.1%	12.1%
Regional average	12.8%	12.5%	12.7%	12.2%
4-year institutions				
North Dakota average	8.4%	9.1%	9.5%	9.5%
Regional average	10.3%	10.0%	10.2%	9.7%
2-year institutions				
North Dakota average	5.8%	6.0%	6.2%	6.3%
Regional average	5.6%	5.4%	5.6%	5.3%

## HIGHER EDUCATION PERFORMANCE MEASURES

The following are selected higher education performance measures as reported in the North Dakota University System Accountability Reports:

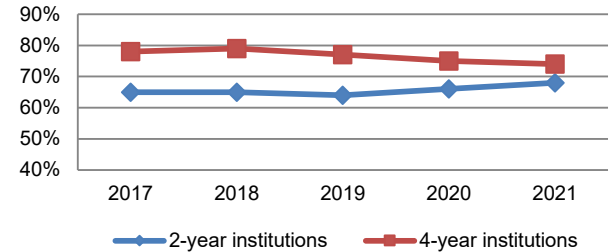
### Student Graduation Rates<sup>1</sup>



<sup>1</sup>Based on 2-year institution students who entered college and graduated within 3 years and on 4-year institution students who entered college and graduated within 6 years.

	2017	2018	2019	2020	2021	National Average 2021
2-year institutions	45%	46%	45%	46%	44%	31%
4-year institutions	53%	58%	59%	60%	60%	59%

### Freshman Retention Rates<sup>1</sup>



<sup>1</sup>Based on the number of freshman students who enrolled in an institution and re-enrolled at the same institution the following year.

	2017	2018	2019	2020	2021	National Average 2021
2-year institutions	65%	65%	64%	66%	68%	61%
4-year institutions	78%	79%	77%	75%	74%	81%



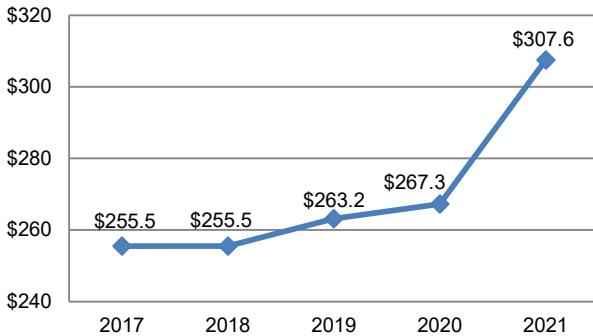
### Workforce Training Provided

	2019	2020	2021	2022
Businesses served	730	1,412	948	1,729
Employees receiving training	9,540	19,008	8,045	14,458
Business satisfaction with training	99%	95%	99%	99%
Participant satisfaction with training	99%	98%	99%	99%
Businesses requesting additional training	53%	55%	52%	58%
Revenue generated from training fees (in millions)	\$5.1	\$4.8	\$3.2	\$5.1

### Average Public Institution Student Loan Debt Incurred Per Year

	2018-19	2019-20	2020-21	2021-22
North Dakota average	\$5,240	\$5,484	\$5,757	\$5,829
National average	\$5,808	\$6,078	\$6,378	\$6,535

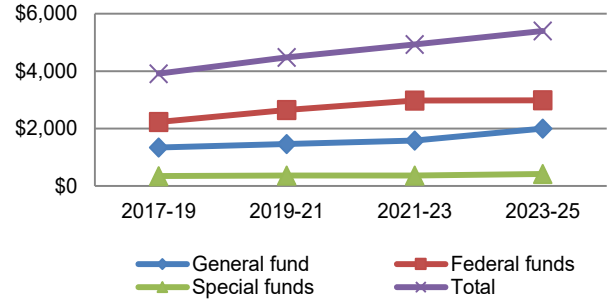
### NORTH DAKOTA UNIVERSITY SYSTEM RESEARCH EXPENDITURES (Amounts Shown in Millions)



Higher Education

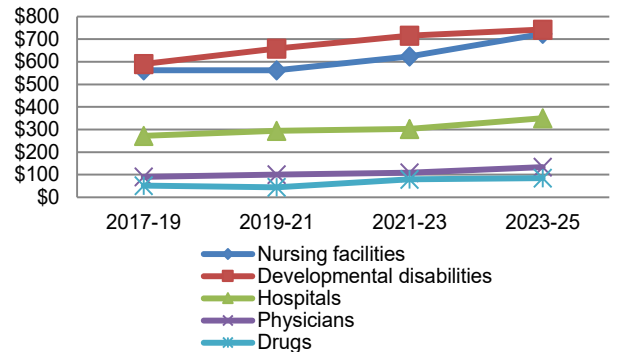
## HEALTH AND HUMAN SERVICES

### DEPARTMENT OF HEALTH AND HUMAN SERVICES - LEGISLATIVE APPROPRIATIONS FOR HUMAN SERVICE DIVISIONS (Amounts Shown in Millions)



Biennium	(Amounts Shown in Millions)			
	General Fund	Federal Funds	Special Funds	Total
2017-19	\$1,339.2	\$2,228.3	\$345.6	\$3,913.1
2019-21	\$1,462.6	\$2,645.4	\$368.8	\$4,476.8
2021-23	\$1,579.0	\$2,978.7	\$368.6	\$4,926.3
2023-25	\$1,998.7	\$2,982.1	\$417.1	\$5,397.9

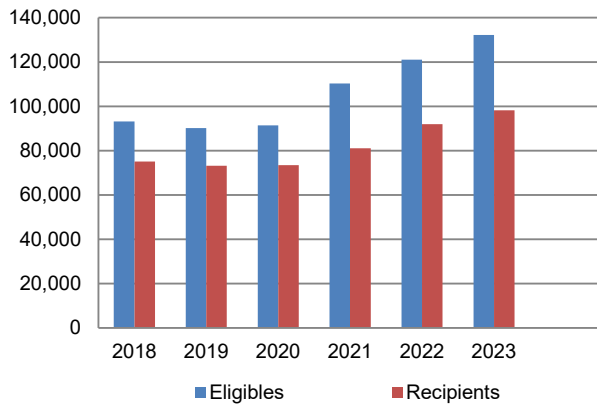
### MAJOR MEDICAID COSTS (Amounts Shown in Millions)



	(Amounts Shown in Millions)			
	2017-19	2019-21	2021-23	2023-25
Nursing facilities	\$562.4	\$562.9	\$623.6	\$723.9
Developmental disabilities	\$590.2	\$659.2	\$716.3	\$742.8
Hospitals	\$272.0	\$295.2	\$303.3	\$350.2
Physicians	\$90.5	\$101.0	\$108.6	\$133.7
Drugs	\$52.3	\$44.2	\$80.2	\$84.9

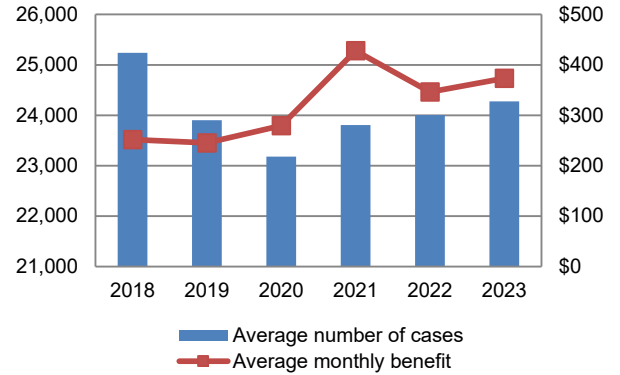
Health and Human Services

### MEDICAL ASSISTANCE - AVERAGE ANNUAL MEDICAID ELIGIBLES AND RECIPIENTS



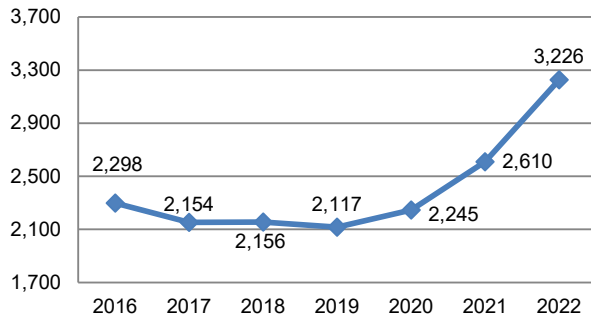
Fiscal Year	Average Annual Eligibles	Average Annual Recipients
2018	93,107	75,007
2019	90,218	73,197
2020	91,390	73,420
2021	110,304	81,044
2022	121,028	91,948
2023 (estimate)	132,153	98,227

### SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM - CASES AND BENEFITS



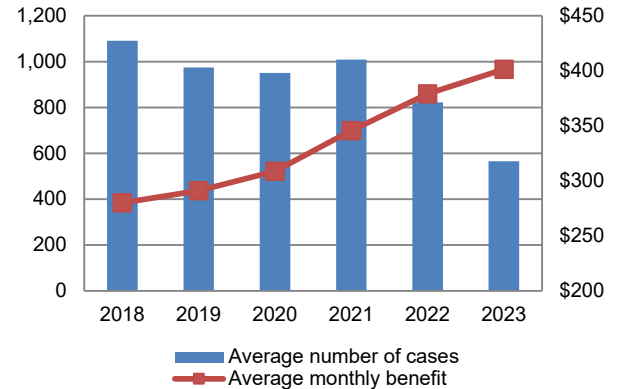
Fiscal Year	Average Number of Cases	Average Monthly Benefit
2018	25,237	\$252.00
2019	23,905	\$245.28
2020	23,178	\$279.66
2021	23,806	\$427.84
2022	24,006	\$346.45
2023 (estimate)	24,274	\$373.30

### CHILDREN'S HEALTH INSURANCE PROGRAM - AVERAGE ANNUAL RECIPIENTS



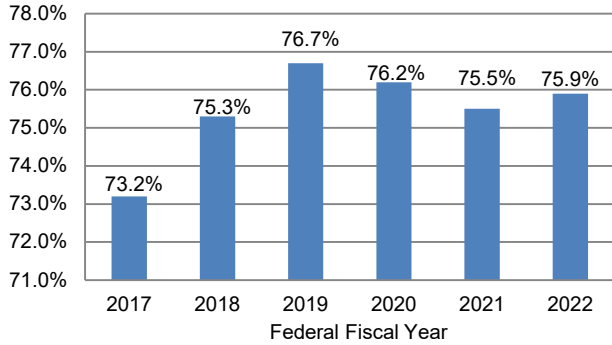
Fiscal Year	Average Number of Cases	Average Monthly Benefit
2018	1,091	\$280.00
2019	975	\$291.00
2020	951	\$308.65
2021	1,009	\$345.68
2022	822	\$379.03
2023 (estimate)	565	\$401.39

### TEMPORARY ASSISTANCE FOR NEEDY FAMILIES - CASES AND BENEFITS

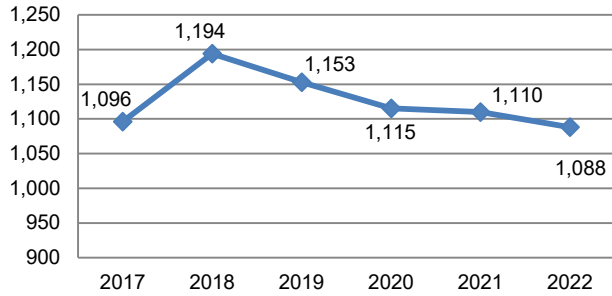


Fiscal Year	Average Number of Cases	Average Monthly Benefit
2018	1,091	\$280.00
2019	975	\$291.00
2020	951	\$308.65
2021	1,009	\$345.68
2022	822	\$379.03
2023 (estimate)	565	\$401.39

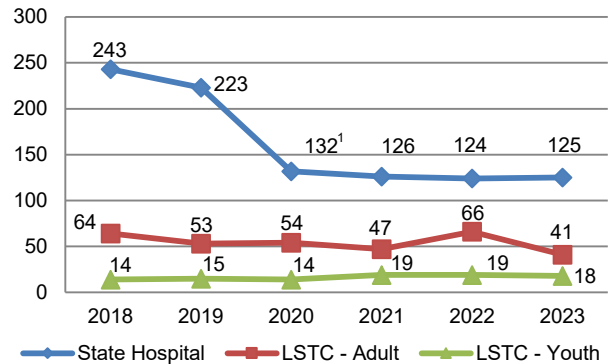
### CHILD SUPPORT - PERCENTAGE OF CURRENT CHILD SUPPORT COLLECTED



### CHILDREN AND FAMILY SERVICES - NUMBER OF CHILDREN IN FOSTER CARE



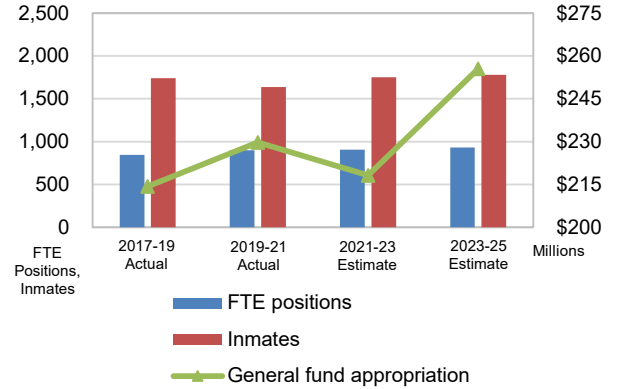
### STATE HOSPITAL AND LIFE SKILLS AND TRANSITION CENTER (LSTC) - AVERAGE DAILY CENSUS



<sup>1</sup>Effective July 1, 2019, a total of 60 beds for the Tompkins Rehabilitation and Corrections Center were transferred to the Department of Corrections and Rehabilitation.

## CORRECTIONS

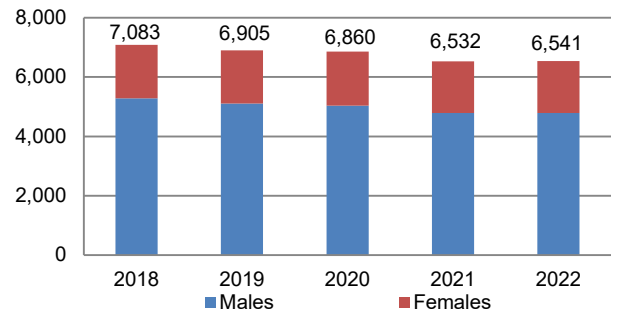
### DEPARTMENT OF CORRECTIONS AND REHABILITATION FTE POSITIONS, INMATES, AND GENERAL FUND APPROPRIATIONS



Biennium	General Fund Appropriation (in Millions)	Average Daily Inmate Population	FTE Positions
2017-19	\$214.3	1,739	845.29
2019-21	\$229.7	1,638	899.79
2021-23	\$218.2	1,752	907.79
2023-25	\$255.5	1,780 <sup>1</sup>	929.79

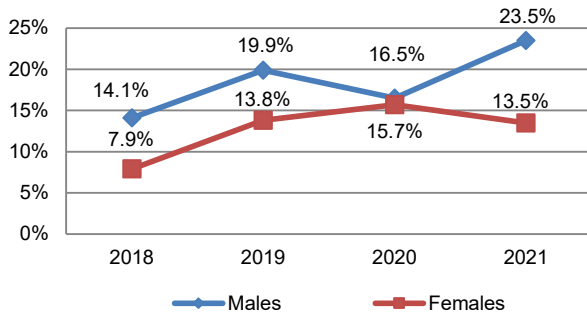
<sup>1</sup>Estimated.

### PAROLE AND PROBATION



Calendar Year	Females	Males	Total
2018	1,798	5,285	7,083
2019	1,796	5,109	6,905
2020	1,828	5,032	6,860
2021	1,741	4,791	6,532
2022	1,749	4,792	6,541

## RECIDIVISM RATES



Calendar Year	Males Released	Returned for a New Crime	Returned for a Technical Violation	Total Returned	Total Percentage Returned Rates
2018	1,141	38	123	161	14.1%
2019	1,022	58	145	203	19.9%
2020	1,013	52	115	167	16.5%
2021	898	70	141	211	23.5%

Calendar Year	Females Released	Returned for a New Crime	Returned for a Technical Violation	Total Returned	Total Percentage Returned Rates
2018	277	1	21	22	7.9%
2019	260	8	28	36	13.8%
2020	216	8	26	34	15.7%
2021	208	4	24	28	13.5%

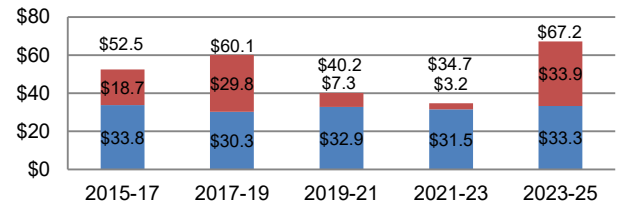
Calendar Year	Total Released	Returned for a New Crime	Returned for a Technical Violation	Total Returned	Total Percentage Returned Rates
2018	1,418	39	144	183	12.9%
2019	1,282	66	173	239	18.6%
2020	1,229	60	141	201	16.4%
2021	1,106	74	165	239	21.6%

**NOTE:** The numbers shown for inmates returning to prison reflect the number of inmates released during the calendar year who returned to prison for a new crime or technical violation within 12 months of release.

Source: Department of Corrections and Rehabilitation

## ECONOMIC DEVELOPMENT

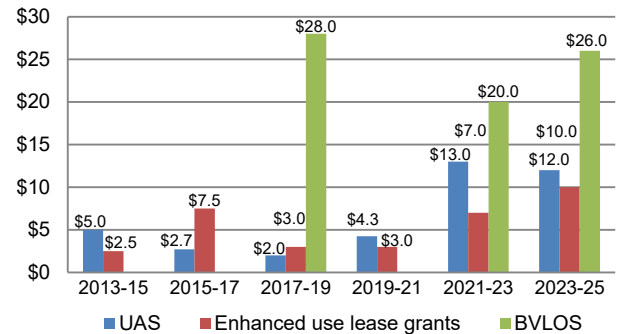
### DEPARTMENT OF COMMERCE GENERAL FUND APPROPRIATIONS (Amounts Shown in Millions)



■ One-time general fund appropriations  
■ Ongoing general fund appropriations

Biennium	Ongoing General Fund Appropriations	One-Time General Fund Appropriations	Total General Fund Appropriations
2015-17	\$33,859,099	\$18,663,260	\$52,522,359
2017-19	\$30,342,680	\$29,750,000	\$60,092,680
2019-21	\$32,866,721	\$7,325,000	\$40,191,721
2021-23	\$31,502,140	\$3,165,432	\$34,667,572
2023-25	\$33,307,530	\$33,850,000	\$67,157,530

### TOTAL APPROPRIATIONS FOR UNCREWED AIRCRAFT SYSTEMS (UAS) PROGRAMS (Amounts Shown in Millions)

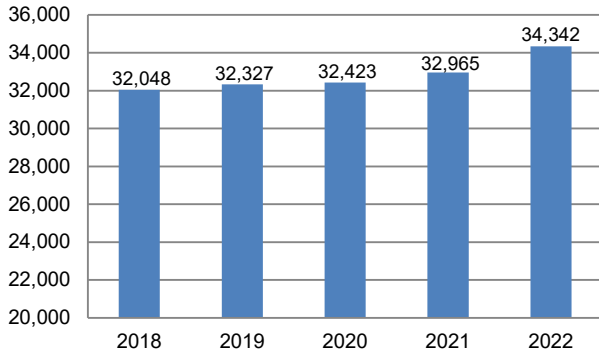


Biennium	General Fund	Other Funds <sup>1</sup>	Total
2013-15	\$5,000,000	\$2,500,000	\$7,500,000
2015-17	2,718,620	7,500,000	10,218,620
2017-19	29,000,000	4,000,000	33,000,000
2019-21	5,250,000	2,000,000	7,250,000
2021-23	4,000,000	36,020,150	40,020,150
2023-25 <sup>2</sup>	3,000,000	45,020,150	48,020,150
Total	\$48,968,620	\$97,040,300	\$146,008,920

<sup>1</sup>Other funds appropriated for UAS programs include \$76 million from the strategic investment and improvements fund, \$4 million from the UAS fund, and \$17 million from federal funds.

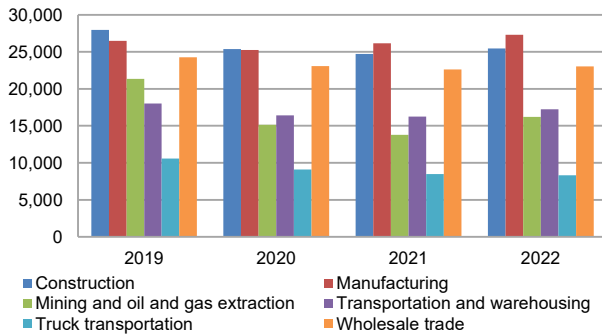
<sup>2</sup>Of the \$48 million appropriated to the Department of Commerce for the 2023-25 biennium, \$36 million is considered one-time funding and \$12 million is considered ongoing funding.

## PRIVATE SECTOR BUSINESSES



Source: Job Service North Dakota, Labor Market Information Center - Quarterly Census of Employment and Wages Unit

## INDUSTRIAL JOBS



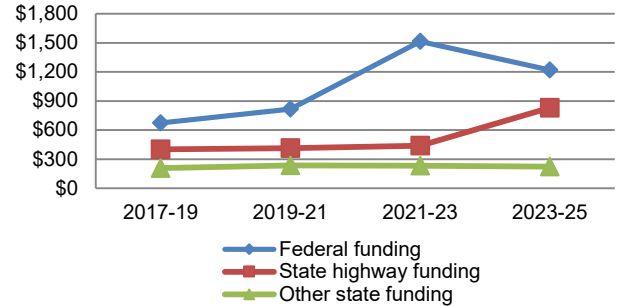
Industrial Jobs				
	2019	2020	2021	2022
Construction	27,961	25,376	24,720	25,459
Manufacturing	26,471	25,259	26,146	27,309
Mining and oil and gas extraction	21,380	15,154	13,776	16,197
Transportation and warehousing <sup>1</sup>	18,002	16,402	16,235	17,220
Truck transportation <sup>1</sup>	10,594	9,101	8,468	8,334
Wholesale trade	24,252	23,087	22,636	23,043

<sup>1</sup>Truck transportation jobs shown above are also included in the transportation and warehousing category.

Source: Job Service North Dakota, Labor Market Information Center - Current Employment Statistics

## TRANSPORTATION

### STATE HIGHWAYS - FUNDING HISTORY (Amounts Shown in Millions)



State Highways - Funding History (Amounts Shown in Millions)				
	2017-19	2019-21	2021-23	2023-25
Federal funding	\$673.4	\$815.3 <sup>3</sup>	\$1,513.9 <sup>4</sup>	\$1,219.3
State highway funding	401.2 <sup>1</sup>	412.5 <sup>3</sup>	440.3 <sup>4</sup>	829.9 <sup>5</sup>
Other state funding	207.9 <sup>2</sup>	235.3 <sup>3</sup>	232.3	224.4
Total	\$1,282.5	\$1,463.1	\$2,186.5	\$2,273.6

<sup>1</sup>Includes \$50.4 million of revenue received during the 2013-15 biennium in excess of the department's appropriation and \$16.3 million of cost-savings realized during the 2015-17 biennium, both of which are appropriated to the Department of Transportation (DOT) for the 2017-19 biennium. Includes \$13 million from the general fund, appropriated during the 2019 legislative session for road maintenance funding during the 2017-19 biennium.

<sup>2</sup>Includes \$709,000 of other funds received from Adjutant General loan proceeds for costs relating to unlawful activity associated with the construction of the Dakota Access Pipeline.

<sup>3</sup>Includes federal funding of \$76.3 million from COVID-19 funding, state highway funding of \$71.3 million from revenue received during the 2015-17 biennium in excess of the department's appropriation, and other state funding of \$2.5 million from the general fund for the DOT's short line railroad program.

<sup>4</sup>Includes federal funding of \$318.6 million from COVID-19 funding, state highway funding of \$70 million from bond proceeds and contingent funding of \$50 million from a Bank of North Dakota loan to match federal grants.

<sup>5</sup>Includes \$222.5 million for the flexible transportation fund, \$60 million of legacy fund earnings deposited in the state highway fund, \$114 million from the strategic investment and improvements fund to match federal funds, and \$50 million for a contingent loan authorization for US Highway 85 projects.

### 2023-25 BIENNIUM ESTIMATED HIGHWAY TAX DISTRIBUTION FUND ALLOCATIONS (Amounts Shown in Millions)

State	\$307.8
Counties	110.4
Cities	62.8
Townships	13.5
Public transportation	7.5
Total	\$502.0

## ESTIMATED FEDERAL HIGHWAY FUNDING<sup>1</sup>

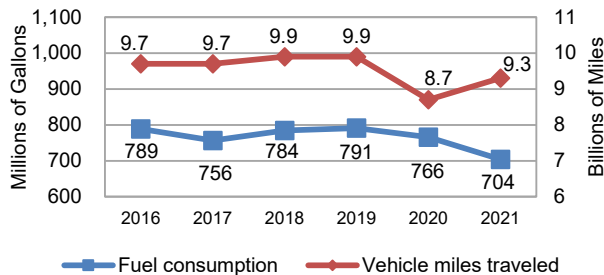
	(Amounts Shown in Millions)		
	2019-21 Biennium	2021-23 Biennium	2023-25 Biennium
Federal Highway Administration funding	\$684.4	\$917.5	\$1,154.7
Emergency relief and missile roads	20.4	62.5	20.0
Federal rail funds		22.0	
National Highway Traffic Safety Administration	9.4	9.4	12.2
Federal transit funds	24.8	48.9	32.4
COVID-19 federal funding	76.3	318.6	
Other		135.0	
<b>Total</b>	<b>\$815.3</b>	<b>\$1,513.9</b>	<b>\$1,219.3</b>

<sup>1</sup>Federal funding received for highway construction projects requires state matching funds. Interstate highway projects are paid with 90 percent federal funds and 10 percent state funds, and most other state highway projects are with 80 percent federal funds and 20 percent state funds.

## MOTOR FUELS TAXES

Both gasoline and special fuels (diesel) are taxed in North Dakota at a rate of 23 cents per gallon. A one-cent increase in the gas and special fuels tax is estimated to generate an additional \$6.7 million per year or \$13.4 million for a biennium. The federal tax rate per gallon is 18.4 cents for gasoline and 24.4 cents for diesel fuel.

## HISTORY OF FUEL CONSUMPTION AND MILES TRAVELED IN NORTH DAKOTA



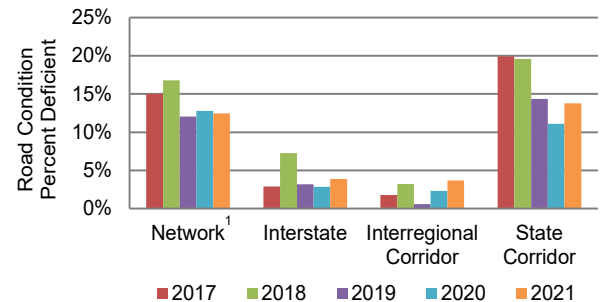
## MILES OF ROADWAYS IN NORTH DAKOTA - 2021

State highway system	7,415
County roads	15,622
Other rural roads	61,040
City streets	4,335
<b>Total</b>	<b>88,412</b>

## ESTIMATED HIGHWAY CONSTRUCTION COSTS PER MILE

	2018	2020	2022
Two-lane road reconstruction (includes grading and asphalt surfacing)	\$1,500,000	\$1,600,000	\$1,600,000
Interstate concrete paving (two lanes in one direction)	\$2,300,000	\$2,300,000	\$2,300,000
Asphalt surface reconstruction (includes subgrade repair and resurfacing)	\$1,000,000	\$1,300,000	\$1,300,000
3-inch asphalt overlay	\$240,000	\$330,000	\$330,000
Interstate seal coat	\$55,000	\$68,000	\$79,000
Noninterstate seal coat	\$35,000	\$44,000	\$55,000

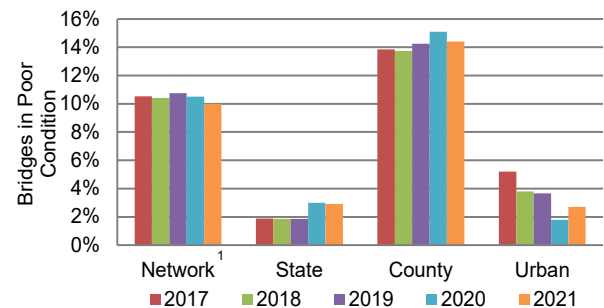
## HIGHWAY SYSTEM CONDITION



<sup>1</sup>Network includes interstate, interregional corridor, state corridor, district corridor, and district collector roadways.

- **Interregional corridor** - Second highest level roadways that are two- or four-lane routes carrying high to moderate traffic volumes between states and over long distances within North Dakota.
- **State corridor** - Roadways that generally carry more traffic over longer in-state distances that are expected to have a higher level of reliability, condition, and mobility than those lower tiers.
- **District corridors and collectors** - These roadways often serve as connections to higher level roadways.

## BRIDGE SYSTEM CONDITION



<sup>1</sup>Network includes all state, county, and urban bridges.

# NOTES