



ACCESS. INNOVATION. EXCELLENCE.

# Economic Contribution of the North Dakota University System in 2020 and 2021

Nancy M. Hodur and Dean A. Bangsund

Agribusiness and Applied Economics Report No. 817

January 2023

NDSU

CENTER FOR SOCIAL RESEARCH

NDSU

AGRIBUSINESS AND APPLIED ECONOMICS

## Acknowledgments

Special thanks are extended to several individuals from the North Dakota University System Office.

Terry Meyer for her administrative oversight of the project.  
David Krebsbach for editorial suggestions during preparation of the document.  
Robin Putnam, Brenda Zastoupil, Jane Grinde, and Jen Weber for providing financial, enrollment, and employment data, along with other information.

The authors wish to thank Kate Ulmer, Chelsey Hukriede, Avram Slone, and Kaeleigh Schroeder for document review.

Financial support was provided by the North Dakota University System.

The authors assume responsibility for any errors of omission, logic, or otherwise. Any opinions, findings, or conclusions expressed in this publication are those of the authors and do not necessarily reflect the views of the North Dakota University System, the Center for Social Research, or the NDSU Department of Agribusiness and Applied Economics.

This publication is available electronically at this web site: <https://ageconsearch.umn.edu/>

NDSU is an equal opportunity institution.

North Dakota State University does not discriminate on the basis of age, color, disability, gender expression/identity, genetic information, marital status, national origin, public assistance status, race, religion, sex, sexual orientation, or status as a U.S. veteran. Please address your inquiries regarding this publication to: The Center for Social Research, P.O. Box 6050, Dept. 2362, Fargo, ND 58108-6050, Phone: 701-231-8621, Email: Nancy.Hodur@ndsu.edu

Copyright © 2023 by Hodur and Bangsund. All rights reserved. Readers may make verbatim copies of this document for non-commercial purposes by any means, provided this copyright notice appears on all such copies.

## Table of Contents

	<b>Page</b>
List of Tables .....	ii
List of Figures .....	iii
List of Appendix Tables.....	iv
Executive Summary .....	viii
Introduction.....	1
Scope and Methods.....	1
Change in Modeling Systems .....	4
Differences in Modeling .....	4
Differences in Study Scope.....	4
Implications.....	5
North Dakota University System Expenditures .....	5
General and Non-general Fund Expenditures .....	5
Non-general Fund Expenditures.....	7
General Fund Expenditures .....	8
Comparison of General and Non-general Fund Expenditures .....	11
Direct and Secondary Effects.....	13
Employment.....	15
Tax Revenue .....	17
Student Assessment .....	18
Assumptions and Data Limitations: Student Effects.....	21
Total Economic Effects.....	22
Conclusions.....	24
References.....	25
Appendix A: College Summaries .....	26
Bismarck State College .....	27
Dakota College at Bottineau.....	32
Dickinson State University.....	37
Lake Region State College .....	42
Mayville State University.....	47
Minot State University .....	52
North Dakota State College of Science .....	57
North Dakota State University .....	62
University of North Dakota.....	67
Valley City State University.....	72
Williston State College .....	77
Appendix B: Operations Expenditures .....	82
Appendix C: Historic Fall Student Enrollment and Student Expenditures.....	115

## List of Tables

		<b>Page</b>
Table 1.	University System Expenditures, General and Non-general Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 2011 to 2021 (Current Year Dollars).....	6
Table 2.	University System Expenditures, Non-General Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 2011 to 2021 (Current Year Dollars).....	8
Table 3.	University System Operations Expenditures, General Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 2011 to 2021 (Current Year Dollars).....	10
Table 4.	North Dakota University System, Direct and Secondary Effects, By Funding Source, FY2020 and FY2021 .....	14
Table 5.	Direct and Secondary Employment, University System Expenditures and Student Expenditures, North Dakota University System, Selected Years 1999 to 2022....	16
Table 6.	Estimated State Tax Collections Derived from Business Activity, North Dakota University System Expenditures and Student Spending, by Funding Source, FY2021 .....	18
Table 7.	Full Time Equivalent, Student Enrollment, North Dakota University System, 1999 to 2021 .....	19
Table 8.	Student Expenditures, by Expenditure Category, North Dakota University System, FY2020 and FY2021 .....	20
Table 9.	Total Economic Effects, North Dakota University System Expenditures and North Dakota University System Student Expenditures, FY2020 and FY2021 .....	23

## List of Figures

		<b>Page</b>
Figure 1.	Economic Impact and Contribution Assessment Flow Chart .....	3
Figure 2.	General and Non-general Fund Expenditures, by Major Expenditure Category, North Dakota University System, FY 2011 – 2021 .....	7
Figure 3.	Non-General Fund Expenditures, by Major Expenditure Category, North Dakota University System, FY2011 – 2021 .....	9
Figure 4.	General Fund Expenditures, by Major Expenditure Category, North Dakota University System, FY 2011 – 2021 .....	11
Figure 5.	Major Expenditure Categories, by Fund Type, North Dakota University System, FY2021 .....	11
Figure 6.	General and Non-general Funds as a Percentage of Total Expenditures, North Dakota University System, FY2011 – 2021 .....	12
Figure 7.	Total Expenditures, by Fund Type, North Dakota University System, FY2011 – 2021 .....	13
Figure 8.	Total Economic Effects (Direct and Secondary), by Fund Type, North Dakota University System, FY2021 .....	15
Figure 9.	Direct and Secondary Impacts, North Dakota University System, FY2017 – 2021 .....	15
Figure 10.	Direct and Secondary Employment, North Dakota University System, FY 2011 – 2021 .....	17
Figure 11.	Payroll Expenditures and Direct Employment, North Dakota University System, FY2011 – 2021 .....	17
Figure 12.	Full-time Equivalent Student Enrollment, North Dakota University System, 2011 – 2021.....	19
Figure 13.	Direct Student Expenditures, North Dakota University System, 2011 – 2021.....	21
Figure 14.	Direct Student Expenditures and Full-time Equivalent Student Enrollment, North Dakota University System, FY2011 – 2021 .....	21
Figure 15.	Total Economic Effects (Direct and Secondary), University System Operations and Student Expenditures, North Dakota University System FY2021 .....	23

## List of Appendix Tables

<u>Table</u>	<u>Page</u>
B1	Operations Expenditures, General and Non-general Fund Expenditures, North Dakota University System, by Budget Category, Selected Fiscal Years 1999 to 2010 (Current Year Dollars).....83
B2	Operations Expenditures, Non-General Fund Expenditures, North Dakota University System, by Budget Category, Selected Fiscal Years 1999 to 2010 (Current Year Dollars).. .....84
B3	Operations Expenditures, General and Non-general Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 1999 (Current Year Dollars).....85
B4	Operations Expenditures, General and Non-general Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2004 (Current Year Dollars).....86
B5	Operations Expenditures, General and Non-general Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2006 (Current Year Dollars).....87
B6	Operations Expenditures, General and Non-general Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2008 (Current Year Dollars).....88
B7	Operations Expenditures, General and Non-general Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2009 (Current Year Dollars).....89
B8	Operations Expenditures, General and Non-general Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2011 (Current Year Dollars).....90
B9	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, And Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2012 (Current Year Dollars).....91
B10	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2013 (Current Year Dollars).....92
B11	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2014 (Current Year Dollars).....93

B12	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2015 (Current Year Dollars).....	94
B13	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2017 (Current Year Dollars).....	95
B14	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2018 (Current Year Dollars).....	96
B15	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2019 (Current Year Dollars).....	97
B16	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2020 (Current Year Dollars) .....	98
B17	Operations Expenditures, General and Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2021 (Current Year Dollars) .....	99
B18	Operations Expenditures, Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 1999 (Current Year Dollars) .....	100
B19	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2004 (Current Year Dollars) .....	101
B20	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2006 (Current Year Dollars) .....	102
B21	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2008 (Current Year Dollars) .....	103
B22	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2009 (Current Year Dollars) .....	104

B23	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2011 (Current Year Dollars) .....	105
B24	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2012 (Current Year Dollars) .....	106
B25	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2013 (Current Year Dollars) .....	107
B26	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2014 (Current Year Dollars) .....	108
B27	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2015 (Current Year Dollars) .....	109
B28	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2017 (Current Year Dollars) .....	110
B29	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2018 (Current Year Dollars) .....	111
B30	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2019 (Current Year Dollars) .....	112
B31	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2020 (Current Year dollars) .....	113
B32	Direct Economic Effects from Non-General Fund Expenditures, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2021 (Current Year Dollars) .....	114
C1	North Dakota University System Fall Student Enrollment, Selected Years 1999 to 2021.....	116
C2	Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2013-2014 Academic Year.....	121



C3	Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2014-2015 Academic Year.....	121
C4	Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2017-2018 Academic Year.....	122
C5	Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2018-2019 Academic Year.....	122
C6	Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2019-2020 Academic Year.....	123
C7	Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2019-2020 Academic Year.....	123
C8	Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2019-2020 Academic Year.....	124

## Executive Summary

The North Dakota University System (NDUS) consists of the NDUS Office and 11 college campuses located throughout the state. In addition to the 11 main campuses, numerous other university facilities, centers, and offices are located throughout the state. Institutions of higher education have an economic effect across the state as those institutions acquire inputs, purchase services, and provide for payroll and employment at both the local and state level. NDUS expenditures include General Funds which are North Dakota state appropriated monies and Non-general Fund sources such as grants, contracts, sponsored programs, donations, etc. NDUS in-state expenditures from General and Non-general Funds comprise the direct economic impact or ‘first round effects.’ NDUS expenditure data were available for selected fiscal years from 1999 to 2021, with the FY2021 data the most recent available for this study. All dollar values in this analysis are expressed in terms of current year dollars (i.e., the effects of inflation have not been removed).

The IMPLAN modeling platform was used to estimate the secondary economic effects as those direct effects (i.e., expenditures) are circulated and re-spent in the economy. The model is a representation of the production and consumption of goods and services in the North Dakota economy. The consumption of goods and services by the University System was modeled to examine how those acquisitions generated secondary business volume. The model also examines secondary employment effects and selected tax revenues. Payroll expenditures also were modeled to examine consumption of goods and services by households.

Salient observations include:

- North Dakota University System had expenditures of \$1.58 billion for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expense for the NDUS, accounting for 49 percent of total expenditures.
- Spending patterns vary between General and Non-general Funds. Payroll as a percentage of total expenditures was 64 percent for General Funds compared to 44 percent for Non-general Funds. General operating expenditures, as a percentage of total expenditures for Non-general Funds, was 37 percent for Non-general Funds compared to 17 percent for General Funds.
- Non-general Funds accounted for 74 percent of total NDUS expenditures in FY2021. Non-general Funds, as a percentage of total NDUS expenditures, have been steadily increasing. Since 2015, Non-general Funds, as a percentage of total expenditures, have increased from 66 percent to 74 percent. General Fund expenditures have declined as a percentage of total expenditures since 2015 decreasing from 33 to 26 percent.
- The state’s colleges and universities leveraged \$2.88 from external sources for every dollar of state appropriated funds in FY2021.

- Total NDUS economic effects (direct and secondary) were \$2.68 billion in FY2021.
- A substantial portion of total (direct and secondary) economic effects was a result of Non-general Fund expenditures. Of the total economic effects (direct plus secondary) of \$2.68 billion from both General and Non-general Funds, the majority was associated with Non-general Funds, \$2.0 billion or 75 percent of total economic effects.
- University System in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$31.3 million in state and local tax collections. Of that total, \$13.8 million were sales taxes, \$10.0 million were from property taxes, \$3.9 million were from personal income taxes.
- Direct employment by the NDUS was 10,579 in FY2021. Business activity from NDUS expenditures and spending by students supported secondary employment of 10,966 jobs. Total direct and secondary employment supported by NDUS was 21,545 jobs in FY2021.
- Enrollment at the NDUS's 11 colleges and universities was 33,497 FTE students for fall semester 2021. Enrollment has declined by 14.3 percent from an all-time high of 39,089 FTE student in 2011.
- NDUS student expenditures in 2021 were estimated to be approximately \$13,139 per student. Total student expenditures system wide were estimated to be \$440.1 million in FY2021.
- In FY2021, economic effects of student living expenses resulted in \$440.1 million in direct effects and \$467.4 million in secondary effects, for total direct and secondary effects of \$907.5 million.
- Combined, NDUS operations and student expenditures (direct effects) in FY2021 was \$1.9 billion. Total economic contribution (direct plus secondary) from NDUS operations and student expenditures was \$3.6 billion.

# **Economic Contribution of the North Dakota University System in 2020 and 2021**

Nancy M. Hodur and Dean A. Bangsund\*

## **Introduction**

The North Dakota University System (NDUS) is comprised of the NDUS Office, 11 college campuses, the NDUS system office, and Core Technology Service (CTS), which provides secure information management and technology services to North Dakota University System students, faculty, staff, and state residents. These institutions contribute to the state and local economies through expenditures for goods and services and through personal spending by employees and students. Previous studies have estimated the economic contribution of the NDUS back to fiscal year (FY) 1999. This study represents a biennial update to those assessments with a 10-year lookback to 2011. Refer to Bangsund and Hodur (2020) for findings prior to 2011.

## **Scope and Methods**

The NDUS Office provided expenditure data for FY2020 and FY2021 for each of the 11 institutions and the NDUS Office. Expenditure data were obtained from the ConnectND system. The following colleges and universities, along with their respective centers and stations, were included in the ConnectND data system:

- NDUS Office (including Core Technology Services)
- Bismarck State College
- Dakota College at Bottineau
- Dickinson State University
- Lake Region State College
- Mayville State University
- Minot State University
- North Dakota State College of Science
- North Dakota State University
  - Agricultural Experiment Station
  - NDSU Main Research Center
  - Dickinson Research Extension Center
  - Central Grasslands Research Extension Center
  - Hettinger Research Extension Center
  - Langdon Research Extension Center
  - North Central Research Extension Center
  - Williston Research Extension Center
  - Carrington Research Extension Center
  - Agronomy Seed Farm
- Northern Crops Institute

---

\*The authors are, respectively, Director, Center for Social Research, and Research Scientist, Department of Agribusiness and Applied Economics, North Dakota State University.

Upper Great Plains Transportation Institute  
NDSU Cooperative Extension Service  
North Dakota Forest Service  
University of North Dakota  
School of Medicine and Health Sciences  
Energy and Environmental Research Center  
Valley City State University  
Williston State College

Data for development foundations and university/private partnerships (e.g., NDSU Research & Technology Park) are not included in the ConnectND database. Therefore, the financial activity of those entities is not reflected in this analysis. The absence of those expenditure data, in some cases, understates the economic effects of the NDUS.

The expenditure data were reported in the same budget categories as used in previous studies and represent actual expenditures made in North Dakota; not budgeted expenses. Expenditures were reported for Total General and Non-general Funds, Non-General Funds and General Funds. General Funds are North Dakota state appropriated monies. Non-general Fund are from all other sources such as grants, contracts, sponsored programs, donations, etc. Total General and Non-general Funds are the sum of General and Non-General Funds.

The main body of the report focuses on the NDUS and the economic effects of General and Non-general Fund expenditures by colleges and universities. An abbreviated economic contribution analysis for each of the 11 campuses is contained in Appendix A.

All expenditure data are reported in current year dollar values (nominal dollars), meaning dollar values have not been adjusted for inflation. Some of the growth reported in nominal expenditures would be removed if the data were corrected for inflation. Some growth in expenditures would be required to keep spending steady on a real basis (i.e., account for inflationary changes in the purchasing power of the dollar).

The NDUS office also provided fall semester 2020 and 2021 student enrollment. The North Dakota Career Resource Network estimated costs for room and board, books, and supplies for students at each of the 11 institutions in the NDUS.

Data provided by the NDUS system office were used to estimate the economic contribution of the North Dakota University System and its 11 colleges. Economic contribution assessments measure the economic output (effects) from the production and consumption of goods and services. Economic outputs typically include jobs or employment, labor and proprietor income, and the sales and purchases of inputs (business volume). This study examines the economic contribution from the sale and purchase of inputs (NDUS system expenditures and student expenditures), employment, and state and local tax revenue.

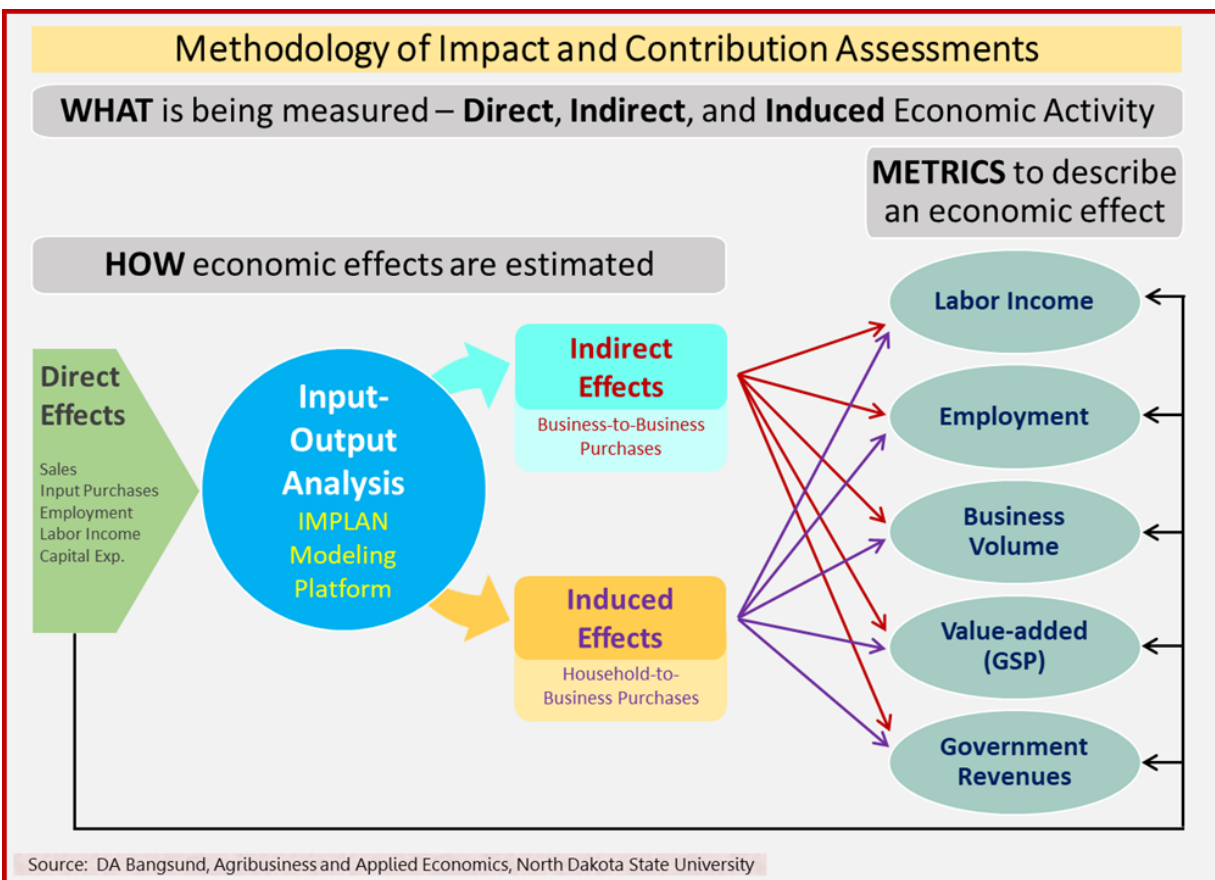
One the most commonly accepted methods for measuring the magnitude and causality of economic effects is Input-Output (I-O) Analysis. Input-output models are mathematical representations of both consuming and producing components of an economy, and trace the flow of dollars originating from transactions involving businesses, households, and governments.

The IMPLAN modeling platform was used to estimate the secondary economic effects as those direct effects (i.e., expenditures) are circulated and re-spent in the economy. The model is a representation of the production and consumption of goods and services in the North Dakota economy. The consumption of goods and services by the University System was modeled to examine how those acquisitions generated secondary business volume. The model also examines secondary employment effects and selected tax revenues. Payroll expenditures also were modeled to examine consumption of goods and services by households (IMPLAN, 2021).

Economic output is categorized into direct and secondary effects. Direct effects are those changes in output, employment, or income that represent the initial or first-round effects. The NDUS operating expenditures represent direct economic effects for this assessment. Secondary effects are measured by the turnover and flow of dollars originating from a direct effect. Secondary effects are composed of *indirect* effects which represent business-to-business transactions, and *induced* effects which represent households-to-business transactions.

Labor income, employment, business volume, value-added, and fiscal revenues are common economic measures used frequently to show *magnitude*, or overall size of an economic effect. This study will examine economic effects in terms of employment, business volume, and government revenues. The terms *direct*, *indirect*, and *induced* describe the *causality* of an economic effect (Figure 1).

**Figure 1. Economic Impact and Contribution Assessment Flow Chart**



## Change in Modeling Systems

Previous estimates of the economic contribution of the North Dakota University System used the North Dakota Input-Output Model. The FY 2020 and FY2021 analysis was the first time IMPLAN was used to estimate secondary economic effects for the NDUS. Results from previous studies that used the ND IO model are not directly comparable to results generated by IMPLAN. These differences are sufficient to warrant explanation.

### Differences in Modeling

The ND IO model was based on economic base theory premised on the fundamental assumption that only dollars received from the export of goods and services from North Dakota drives economic activity within the state. The economic base concept is no longer accepted as an appropriate premise for modeling economic effects. The IMPLAN modeling system is a nationally recognized and widely accepted platform for input output modeling in the field of impact assessment and regional science. Accordingly the research team now uses the IMPLAN modeling platform to estimate secondary economic effects for impact and contribution assessments. More information on IMPLAN can be found at <https://www.implan.com>.

By assuming all output in the state is driven by exports, economic base methodologies produce quite large multipliers. Current models no longer estimate multipliers based on that economic relationship. One of the first noticeable differences from previous assessments is the level of secondary economic effects relative to the size of direct effects. IMPLAN's gross output multipliers very rarely will be over a \$1 of secondary economic effects per \$1 of direct effects—in most cases, those values are less than \$1 of secondary per \$1 of direct. By contrast, the ND IO model has gross output multipliers that are closer to \$2 of secondary output to \$1 of direct output. The IMPLAN modeling system results in smaller secondary economic effect. In many cases, secondary effect are 50 percent of previous estimates generated by the ND IO model.

Another difference between the previous model and the IMPLAN modeling platform is the treatment of retail trade and wholesale trade sectors. Those sectors are margined which means only a portion of economic activity in the retail and wholesale sectors generates economic effects. Only the difference between producer cost and purchase price is used to calculate secondary effects. The purpose of margining is control for the difference between purchaser prices and producer prices within the IO matrix. While that may seem like a minor nuance, that adjustment can create some unintuitive results. The result of margining adjustments is that only a fraction (usually 20 to 30 percent) of the original dollar spent in those sectors is used to generate estimates of secondary economic effects. The process of margining also reduces the volume of secondary economic effects. The North Dakota IO model did not make similar adjustments.

### Differences in Study Scope

Previous NDUS studies included scholarship expenditures as part of operating expenditures when modeling economic effects. However, tuition, room and board, stipends, and other personal spending are all expenditures covered by scholarships and those expenditures are captured in the assessment of student spending. Therefore, including university scholarships as

part of the assessment of secondary effects double counts those dollars. Scholarship spending was included in the previous economic contribution analysis. Removing scholarship expenditures from the assessment reduces the overall business volume modeled. A \$1 dollar reduction in scholarship spending results in an approximately \$2 reduction in secondary effects (scholarship spending was previously ran through the ND IO model).

## **Implications**

Because of the differences in modeling platforms and changes in study scope estimated secondary effects from previous studies are not directly comparable to the secondary effects from the current assessment. Direct impacts are not affected by the modeling platform, however because previous assessments included expenditures for scholarship, a direct comparison with previous estimates is also not appropriate. Previous studies included historic data in order to provide year to year comparisons of economic effects. Because previous studies are not comparable with the current assessment, the economic effects from FY2017, FY2018 and FY2019 were reexamined using IMPLAN. This will enable a time series comparison of direct and secondary effects from FY2017 to FY2021. Direct and secondary effects from FY 2017- FY2021 are presented in the results section of the report.

## **North Dakota University System Expenditures**

General and Non-general Fund expenditures are reported for FY2021 and compared to previous years' expenditures in the following section.

### **General and Non-general Fund Expenditures**

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$1.40 billion and \$1.58 billion, respectively (Table 1). General and Non-general Fund expenditures increased by 6.9 percent from FY2019 to FY2021. Total General and Non-general Fund expenditures peaked at \$1.61 billion in FY2015. Since the peak in FY2015, total General and Non-general Fund expenditures have ranged from \$1.40 billion in FY2017 to \$1.58 billion in FY2021.

Wages and salaries and benefits were the two largest expenditure categories in FY2021, \$552.7 million and \$227.0 million, respectively (Table 1, Figure 2). Combined, wages and salaries and benefits totaled \$779.7 million in FY2021, 49 percent of total expenditures. Historically (FY2011-2020), wages and salaries and benefits averaged approximately 52 percent of total General and Non-general expenditures with year-to-year variability of 47 to 55 percent (data not shown).

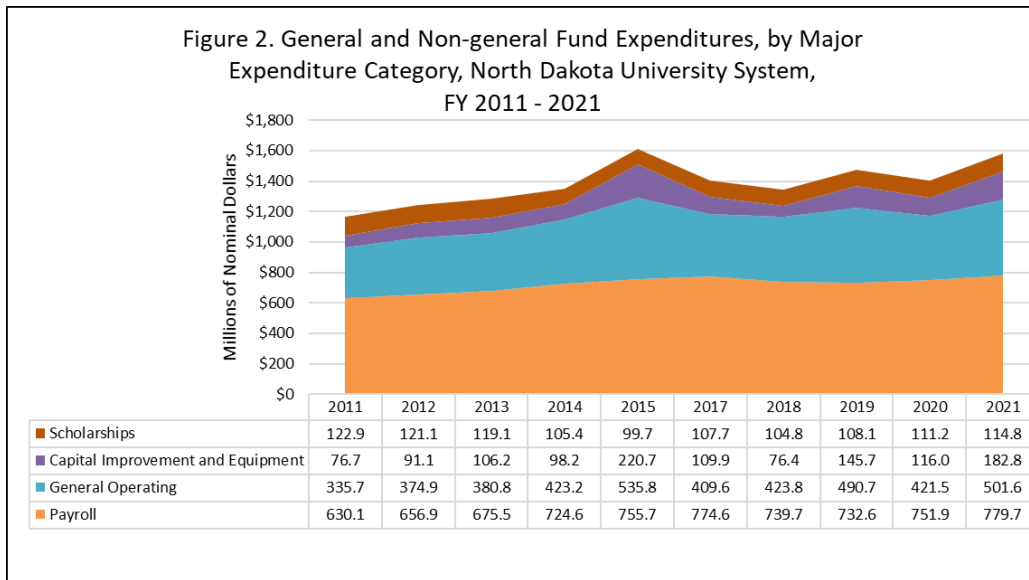
General operating expenditures, which are the sum of all expenditure categories except wages and salaries, benefits, capital equipment, and capital expenditures, were the next largest expenditure category, totaling \$501.6 million in FY2021, 32 percent of total expenditures (Table 1, Figure 2). Historically (FY2011-2020), operating expenditures averaged approximately 31 percent of total General and Non-general Fund expenditures (data not shown).



Capital Improvement and Equipment totaled \$182.8 million in FY2021, 12 percent of total General and Non-general Fund expenditures (Table 1, Figure 2). Historical averages (FY2011-2021) for expenditures for Capital Improvements and Equipment averaged 8 percent, but ranged from 6 to 14 percent over the past 10 years (data not shown).

Scholarships totaled \$114.8 million in FY2021, 7 percent of total General and Non-general Fund expenditures (Table 1, Figure 2). FY2021 expenditures for scholarships, as a percentage of total spending, is consistent with the historical average (FY2011-2021) of 8 percent of total General and Non-general Fund expenditures (data not shown).

<b>Table 1. University System Expenditures, General and Non-general Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 2011 to 2021 (Current Year Dollars)</b>									
<b>Operating Expenditures</b>	<b>Fiscal Years</b>							<b>Percentage Change</b>	
	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2011-2021</b>	<b>2019-2021</b>
	----- millions \$ -----							----- % -----	
<b>Wages and Salaries</b>	483.3	511.6	553.4	562.5	523.7	532.0	552.7	14.4	5.5
<b>Payroll Benefits</b>	146.8	163.8	202.3	212.1	208.9	219.9	227.0	54.6	8.7
<b>Travel</b>	29.0	32.6	34.9	28.0	31.3	24.0	15.3	-47.3	-51.2
<b>Data Processing</b>	15.7	19.2	19.9	18.0	18.3	19.1	33.4	112.7	83.0
<b>Fees</b>	37.7	42.5	47.3	39.5	49.5	45.6	77.3	105.2	56.2
<b>Utilities</b>	25.1	27.6	29.1	29.2	30.8	28.0	29.2	16.4	-5.4
<b>Communications</b>	8.7	7.6	9.1	8.7	8.8	8.7	8.6	-1.1	-1.5
<b>Insurance</b>	3.3	4.4	3.3	3.7	3.8	3.9	5.0	50.4	31.4
<b>Rents and Fees</b>	14.0	14.5	16.4	13.5	15.5	12.7	11.9	-14.6	-22.9
<b>Office</b>	9.9	9.4	9.3	7.6	6.8	6.3	5.5	-44.7	-20.0
<b>Supplies</b>	21.7	25.6	26.1	19.5	46.5	21.0	29.4	35.5	-36.7
<b>Instructional</b>	25.7	23.8	26.1	25.6	25.1	25.0	26.3	2.4	4.9
<b>Noncapital Equipment</b>	7.1	11.2	10.0	9.8	6.0	6.0	13.0	82.8	115.5
<b>Merchandise for Resale</b>	45.1	56.3	189.8	95.3	108.9	81.9	96.5	114.0	-11.5
<b>Repairs</b>	27.0	29.3	32.3	28.5	30.1	32.5	35.6	32.0	18.2
<b>Scholarships</b>	122.9	119.1	99.7	107.7	108.1	111.2	114.8	-6.6	6.2
<b>General</b>	65.8	76.8	82.2	82.7	109.2	106.7	114.5	74.1	4.9
<b>Capital Equipment</b>	5.6	22.4	21.8	18.6	13.9	15.0	30.1	439.5	116.3
<b>Capital Improvements</b>	71.1	83.8	198.9	91.3	131.8	101.0	152.7	114.8	15.8
<b>Total</b>	1,165.3	1,281.6	1,611.8	1,401.8	1,477.1	1,400.5	1,578.9	35.5	6.9



### Non-general Fund Expenditures

Total Non-general Fund expenditures in FY2020 and FY2021 were \$1.02 billion and \$1.17 billion, respectively (Table 2). Total expenditures increased steadily from 2011 to 2015, but declined in 2017. Since 2017, Non-general Fund expenditures have increased steadily increasing from \$941.6 million to \$1.17 billion in FY2021. Since FY2019, Non-general Funds increased from \$1.09 billion to \$1.17 billion in FY2021, a 7.5 percent increase.

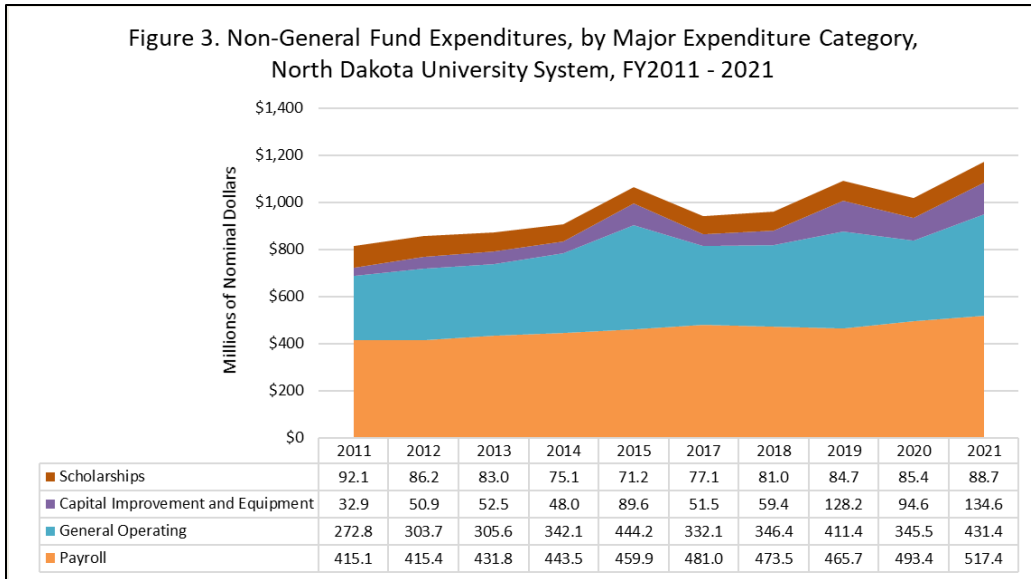
Wages and salaries and benefits were the largest expenditure categories in FY2021, \$371.1 million and \$146.3 million, respectively (Table 2, Figure 3). Wages and salaries and benefits for Non-general Funds totaled \$517.4 million in FY2021, 44 percent of total expenditures, which is slightly lower than the historical average (2011-2020) of 48 percent of total Non-general Funds (data not shown).

General operating expenditures which are the sum of all expenditure categories except wages and salaries, benefits, capital equipment and capital expenditures were the next largest expenditure category, totaling \$431.4 million or 37 percent of total Non-general Funds (Table 2, Figure 3). Non-general operating expenditures as a percentage of total Non-general Funds in FY2021, is consistent with the ten-year historical average of 36 percent (data not shown).

Capital Improvement and Capital Equipment expenditures for FY2021 were \$134.6 million, 11 percent of total Non-general operating expenditures (Table 2, Figure 3). Capital Improvements and Equipment expenditures have varied considerably, ranging from \$32.9 million in FY2011 to \$134.6 million in FY2021. Capital Improvement expenditures as a percentage of total Non-general operating expenditures have ranged from 4 to 12 percent (2011-2021, data not shown).

Scholarships totaled \$88.7 million in FY2021, 8 percent of total Non-general operating expenditures (Table 2, Figure 2). Scholarships as a percentage of total Non-general Fund expenditures have historically averaged about 9 percent (2011-2020, data not shown).

<b>Table 2. University System Expenditures, Non-General Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 2011 to 2021 (Current Year Dollars)</b>									
<b>Operating Expenditures</b>	<b>Fiscal Years</b>							<b>Percentage Change</b>	
	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2011-2021</b>	<b>2019-2021</b>
	----- millions \$ -----							----- % -----	
<b>Wages and Salaries</b>	320.0	328.8	339.8	352.5	335.7	351.3	371.1	16.0	10.5
<b>Payroll Benefits</b>	95.1	103.0	120.1	128.5	129.9	142.1	146.3	53.8	12.6
<b>Travel</b>	24.3	26.6	27.2	23.7	27.0	20.6	13.8	-43.1	-48.9
<b>Data Processing</b>	10.7	12.0	12.5	12.1	13.1	13.6	27.7	159.2	111.1
<b>Fees</b>	31.5	36.1	38.1	33.1	42.1	37.4	69.7	121.1	65.6
<b>Utilities</b>	14.4	16.1	15.9	17.3	19.3	18.5	19.5	35.6	1.0
<b>Communications</b>	5.4	4.7	5.2	5.0	5.0	4.7	4.7	-13.7	-7.4
<b>Insurance</b>	2.5	3.3	2.5	2.3	2.5	2.6	3.6	47.0	45.9
<b>Rents and Fees</b>	12.2	12.3	14.3	11.3	12.0	10.4	10.0	-17.5	-16.5
<b>Office</b>	7.4	6.9	6.7	5.6	5.1	4.7	4.1	-44.1	-19.2
<b>Supplies</b>	17.8	20.7	20.8	15.6	42.5	17.1	25.8	45.1	-39.3
<b>Instructional</b>	20.2	18.7	20.2	20.5	19.7	19.7	20.9	3.3	6.1
<b>Noncapital Equipment</b>	5.7	9.3	7.3	7.7	4.8	4.8	12.0	111.1	151.2
<b>Merchandise for Resale</b>	45.1	56.3	189.8	95.3	108.9	81.6	96.5	114.0	-11.4
<b>Repairs</b>	20.6	22.4	23.7	20.8	23.7	25.4	29.5	43.2	24.6
<b>Scholarships</b>	92.8	83.0	71.2	77.1	84.7	85.4	88.7	-4.4	4.7
<b>General</b>	53.9	60.1	60.1	61.7	85.7	84.2	93.6	73.6	9.3
<b>Capital Equipment</b>	3.6	17.0	17.6	16.2	11.6	12.5	26.9	658.2	131.5
<b>Capital Improvements</b>	33.9	35.5	72.0	35.3	116.6	82.2	107.7	217.8	-7.6
<b>Total</b>	816.9	872.9	1,064.9	941.6	1,090.0	1,018.9	1,172.1	43.5	7.5



## General Fund Expenditures

General Fund expenditures in FY2020 and FY2021 were \$381.6 million and \$406.8 million, respectively (Table 3). General Fund expenditures peaked in FY2015 at \$547.0 million, steadily declining to \$381.6 million in FY2020 before increasing to \$406.8 million in FY2021.

Wages and salaries and benefits were the two largest expenditure categories in FY2021, \$181.6 million and \$80.7 million, respectively (Table 3, Figure 4). Combined, wages and salaries and benefits for General Fund expenditures totaled \$262.3 million in FY2021, 64 percent of total expenditures which is consistent with the 10-year average of 63 percent. Since 2011, wages and salaries and benefits as a percentage of total General Fund expenditures, typically ranged from 61 to 69 percent. The exception was FY2015 where General Fund expenditures for wages and salaries was 54 percent (data not shown).

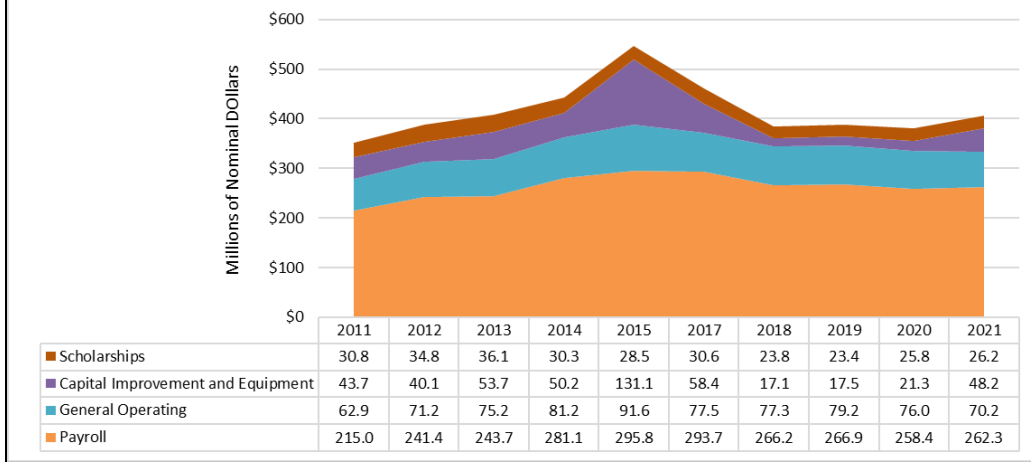
General operating expenditures, which are the sum of all expenditure categories except wages and salaries, benefits, capital equipment and capital expenditures were the next largest General Fund expenditure category, totaling \$70.2 million or 17 percent of total General Fund expenditures (Table 3, Figure 4). Operating expenditures, as a percentage of total General Fund expenditures in FY2021 is consistent with the 10-year historical average of 18 percent (data not shown).

General Fund expenditures for Capital Improvement and Capital Equipment for FY2021 were \$48.2 million, 12 percent of total expenditures (Table 3, Figure 4). Since FY2011, General Fund Capital Improvement and Equipment Expenditures have ranged from \$17.1 million in FY2018 to \$131.2 million in FY2015. Capital Improvement and Equipment expenditures as a percentage of total General operating expenditures have historically averaged 11 percent and ranged from 4 to 24 percent since 2011 (2011-2021) data not shown).

Scholarships totaled \$26.2 million in FY2021, 6 percent of total General Fund operating expenditures (Table 3, Figure 3). Scholarships as a percentage of total General Fund expenditures have historically averaged about 7 percent, with little year to year variability (2011-2021, data not shown).

<b>Table 3. University System Operations Expenditures, General Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 2011 to 2021 (Current Year Dollars)</b>									
<b>Operating Expenditures</b>	<b>Fiscal Years</b>							<b>Percentage Change</b>	
	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2011-2021</b>	<b>2019-2021</b>
	----- millions \$ -----							----- % -----	
<b>Wages and Salaries</b>	163.3	182.8	213.6	210.1	188.0	180.7	181.6	11.2	-3.4
<b>Payroll Benefits</b>	51.7	60.8	82.2	83.6	79.0	77.8	80.7	56.0	2.2
<b>Travel</b>	4.7	6.0	7.7	4.3	4.3	3.4	1.5	-68.9	-66.1
<b>Data Processing</b>	5.0	7.2	7.5	6.0	5.2	5.5	5.8	14.2	11.5
<b>Fees</b>	6.2	6.3	9.2	6.3	7.4	8.2	7.6	23.8	2.8
<b>Utilities</b>	10.7	11.4	13.2	11.8	11.6	9.6	9.7	-9.4	-15.9
<b>Communications</b>	3.3	2.9	3.9	3.7	3.7	4.0	4.0	19.3	6.3
<b>Insurance</b>	0.9	1.1	0.8	1.4	1.3	1.3	1.4	60.4	4.3
<b>Rents and Fees</b>	1.8	2.2	2.1	2.1	3.5	2.3	1.9	4.7	-45.2
<b>Office</b>	2.5	2.4	2.6	2.0	1.7	1.6	1.3	-46.4	-22.6
<b>Supplies</b>	4.0	4.9	5.3	4.0	4.0	3.9	3.7	-7.5	-8.5
<b>Instructional</b>	5.4	5.1	5.8	5.2	5.4	5.3	5.4	-0.7	0.3
<b>Noncapital Equipment</b>	1.4	1.9	2.7	2.1	1.3	1.2	1.0	-30.4	-20.9
<b>Merchandise for Resale</b>	0.0	0.0	0.0	0.0	0.0	0.2	0.0		-72.7
<b>Repairs</b>	6.4	6.9	8.7	7.8	6.4	7.1	6.1	-4.4	-5.2
<b>Scholarships</b>	30.1	36.1	28.5	30.6	23.4	25.8	26.2	-13.1	11.6
<b>General</b>	11.8	16.7	22.1	20.9	23.5	22.4	20.9	76.7	-11.1
<b>Capital Equipment</b>	2.0	5.4	4.2	2.4	2.3	2.5	3.2	57.0	39.0
<b>Capital Improvements</b>	37.2	48.3	127.0	56.0	15.2	18.8	45.0	21.0	195.5
<b>Total</b>	348.4	408.8	547.0	460.2	387.1	381.6	406.8	16.8	5.1

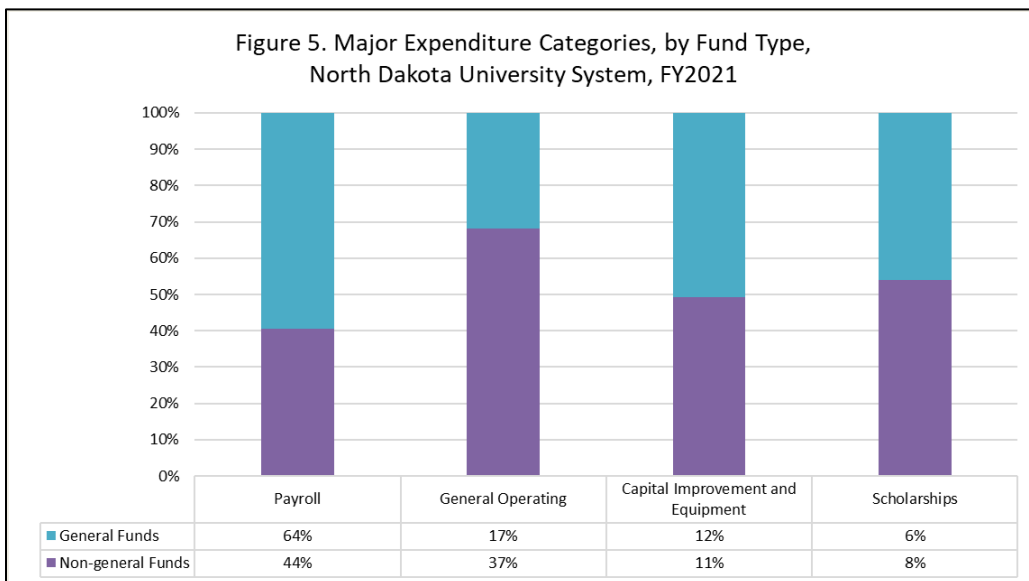
Figure 4. General Fund Expenditures, by Major Expenditure Category, North Dakota University System, FY 2011 - 2021



### Comparison of General and Non-general Fund Expenditures

Spending in major expenditure categories as a percentage of total spending varies between General and Non-general Funds. Wages and Salaries and Benefits were 64 percent of total General Fund expenditures compared to 44 percent of Non-general Fund expenditures (Figure 5). Non-general Fund expenditures for Operations made up a larger percentage of total spending than General Fund expenditures for Operations, 37 percent compared to 17 percent, respectively. Expenditures for Capital Improvements and Equipment were similar for General and Non-general Funds, 12 percent and 11 percent, respectively. Scholarships, as a percentage of total spending, were slightly higher for Non-general Funds compared to General Funds, 8 percent compared to 6 percent, respectively.

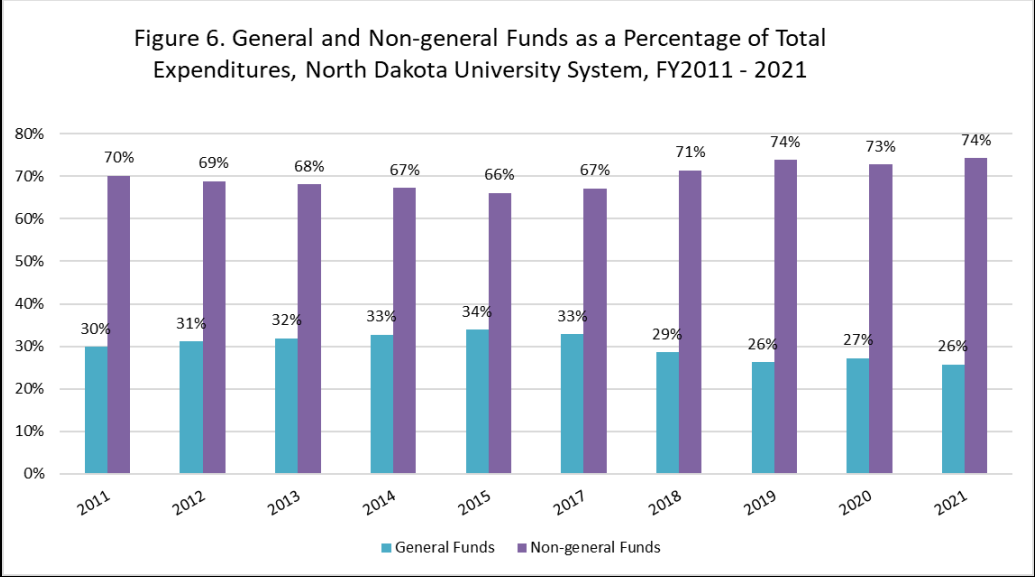
Figure 5. Major Expenditure Categories, by Fund Type, North Dakota University System, FY2021

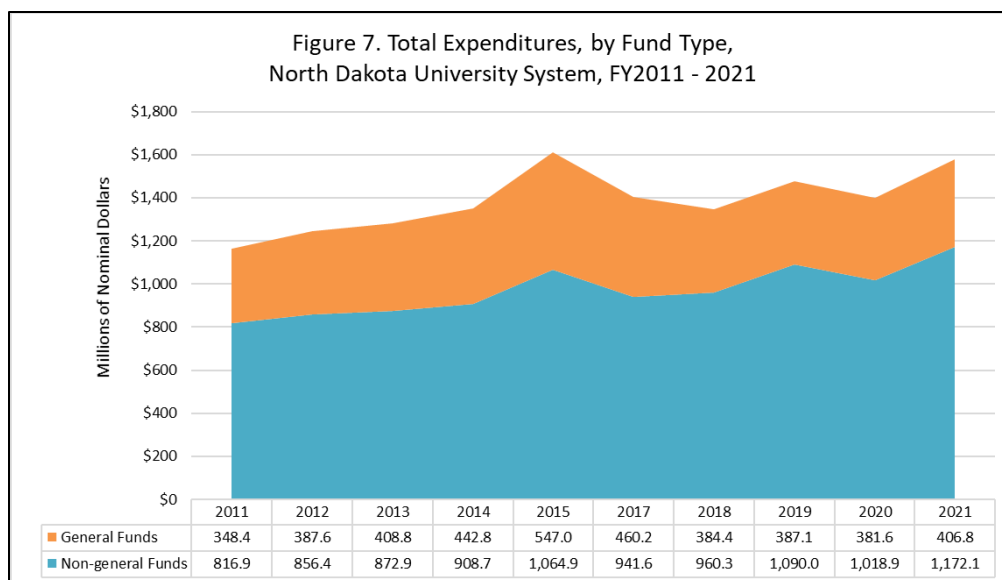


In FY2021, Non-general Funds made up 74 percent of total North Dakota University System expenditures for operations while General Fund expenditures made up 26 percent of total North Dakota University System expenditures for operations (Figure 6). From 2011 to 2015, Non-general Funds as a percentage of total expenditures declined slightly from 70 percent to 66 percent, while General Funds as a percentage of total funds increased slightly from 30 to 34 percent. Since FY2017 Non-general Funds as a percentage of total expenditures has trended slightly higher, increasing from 67 percent in FY2017 to 74 percent in FY2021 and General Funds as a percentage of total funds had declined from 33 percent in FY 2017 to 26 percent in FY2021.

Total Non-general Fund expenditures in FY2021 were \$1.17 billion and total General Fund expenditures were \$406.8 million (Figure 7). Total General and Non-general Funds increased steadily from FY2011 to FY2015 before declining to \$460.2 million and \$941.6 million, respectively in FY2017. From FY2017 to FY2020 General Fund expenditures generally trended lower while Non-general Fund expenditures trended slightly higher. Both General and Non-general Fund expenditures increased slightly from FY2020 to FY2021.

For every dollar of General Funds, the North Dakota University System generated an additional \$2.88 in Non-general Funds in FY2021. In FY2019 and FY2020, the North Dakota University System leverage \$2.67 and \$2.82 from external sources for every dollar of appropriated funds, respectively. The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures.





### **Direct and Secondary Effects**

Direct or first round economic effects are from North Dakota University System expenditures for wages and salaries, operations, and capital expenditures. While the University System also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Accordingly, economic effects from scholarships are captured in the analysis of the economic effects associated with student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than University System total expenditures.

Total direct effects from General and Non-general Fund expenditures were \$1.46 billion in FY2021 (Table 4). Secondary effects equal the sum of indirect and induced effects, \$563.4 million and \$650.4 million, respectively, for total secondary effects in FY2021 of \$1.21 billion. Total direct and secondary effects from NDUS expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$2.68 billion in FY2021.

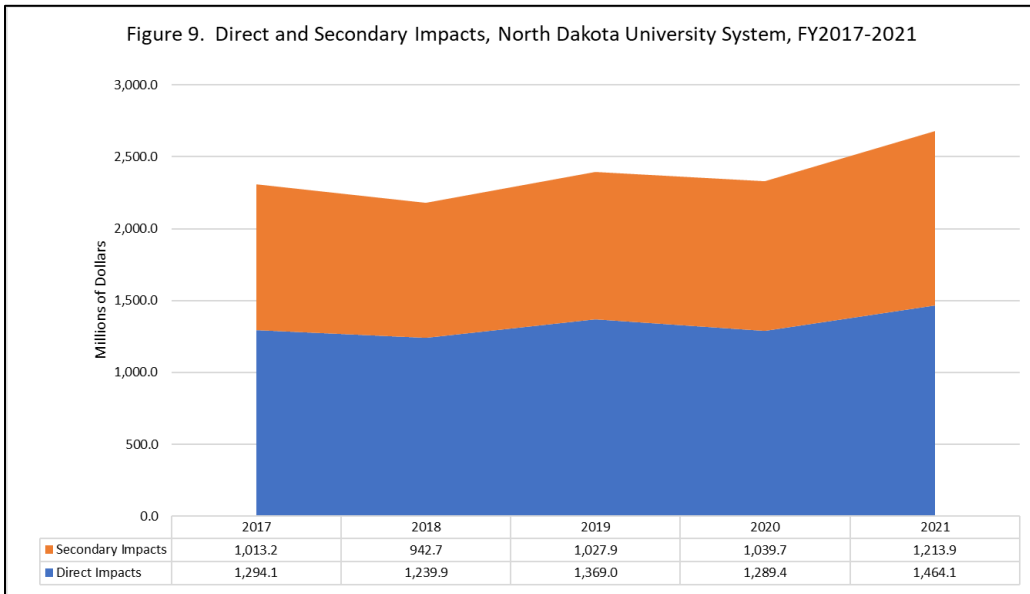
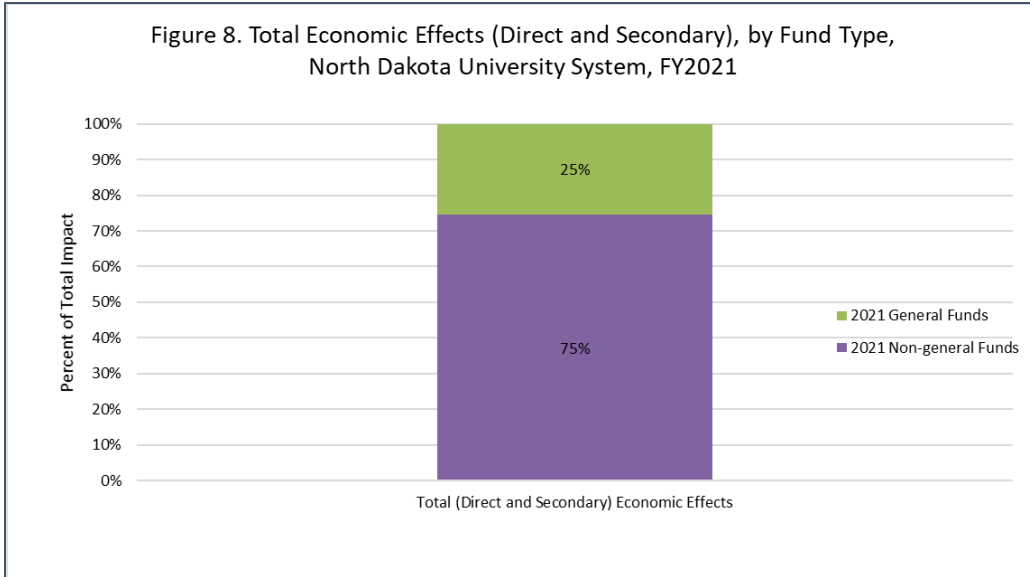
Total direct effects from Non-general expenditures were \$1.08 billion in FY2021 (Table 4). Secondary effects equal the sum of indirect and induced effects, \$461.0 million and \$453.3 million, respectively for total secondary effects in FY2021 of \$914.3 million. Total direct and secondary effects from NDUS expenditures for wages and salaries, operations, and capital expenditures from Non-general Fund expenditures were \$2.0 billion in FY2021.

A substantial portion of total (direct and secondary) economic effects was a result of Non-general Fund expenditures. Of the \$1.46 billion in direct economic effects in FY2021, \$1.08 billion, were from Non-general expenditures. Of the total economic effects (direct plus secondary) of \$2.68 billion from both General and Non-general Funds, \$2.0 billion was associated with Non-general Funds. Economic effects from Non-general expenditures in FY2021



comprised 75 percent of North Dakota University System total (direct plus secondary) economic effects (Figure 8).

<b>Table 4. North Dakota University System, Direct and Secondary Effects, By Funding Source, FY2020 and FY2021</b>		
	<b>FY2020</b>	<b>FY2021</b>
	----- million \$ -----	
<b>General and Non-general Funds</b>		
<i>Expenditure Category<sup>1</sup></i>		
Wages, Salaries, and Benefits	751.9	779.7
Operation Expenditures	436.5	531.7
Capital Expenditures	101.0	152.7
<b>Total Direct Effects</b>	<b>1,289.4</b>	<b>1,464.1</b>
<i>Direct and Secondary Economic Effects</i>		
Direct Effects	1,039.6	1,464.1
Indirect Effects	443.5	563.4
Induced Effects	596.1	650.4
<b>Total Direct and Secondary Effects</b>	<b>2,329.1</b>	<b>2,677.9</b>
<b>Non-General Funds (only)</b>		
<i>Expenditure Category<sup>1</sup></i>		
Wages, Salaries, and Benefits	493.4	517.3
Operation Expenditures	358.0	485.4
Capital Expenditures	82.2	107.7
<b>Total Direct Effects</b>	<b>933.6</b>	<b>1,083.4</b>
<i>Direct and Secondary Effects</i>		
Direct Effects	933.6	1,083.4
Indirect Effects	369.5	461.0
Induced Effects	410.0	453.3
<b>Total Direct and Secondary Effects</b>	<b>1,703.0</b>	<b>1,997.7</b>
<b>General Funds (only)</b>		
	<b>FY2020</b>	<b>FY2021</b>
	----- million \$ -----	
<i>Expenditure Category<sup>1</sup></i>		
Wages, Salaries, and Benefits	258.4	262.3
Operation Expenditures	78.5	73.4
Capital Expenditures	18.8	45.0
<b>Total Direct Effects</b>	<b>355.8</b>	<b>380.7</b>
<i>Direct and Secondary Effects</i>		
Direct Effects	355.8	380.7
Indirect Effects	74.1	102.4
Induced Effects	186.2	197.2
<b>Total Direct and Secondary Effects</b>	<b>616.1</b>	<b>680.3</b>
<sup>1</sup> Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.		



## Employment

Total direct employment in the NDUS system in FY2021 was 10,579 (Table 5, Figure 9). Since FY2015 direct employment has steadily declined from 11,592 in FY2015 to 10,164 in FY2020, before increasing slightly to 10,579 in FY2021 and 10,845 in FY2022. Business activity associated with North Dakota University System expenditures supported secondary employment of 9,818 jobs in FY2020 and 10,966 jobs in FY2021. Total direct and secondary employment associated with NDUS expenditures in FY2021 supported 19,982 jobs in FY2020 and 21,545 jobs in FY2021. Direct employment has declined by 7.5 percent since 2011. (Secondary employment and other expenditure data were not available for FY2022.) Expenditures for Wages, salaries and benefits have trended in a manner consistent with the change in employment (Figure 10).

**Table 5. Direct and Secondary Employment, University System Expenditures and Student Expenditures, North Dakota University System, Selected Years 1999 to 2022**

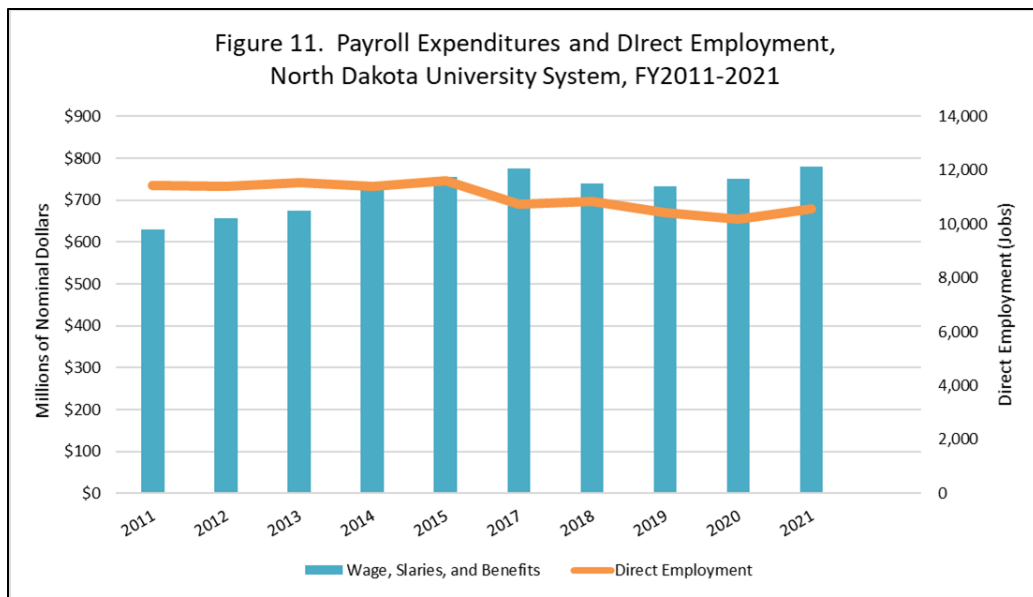
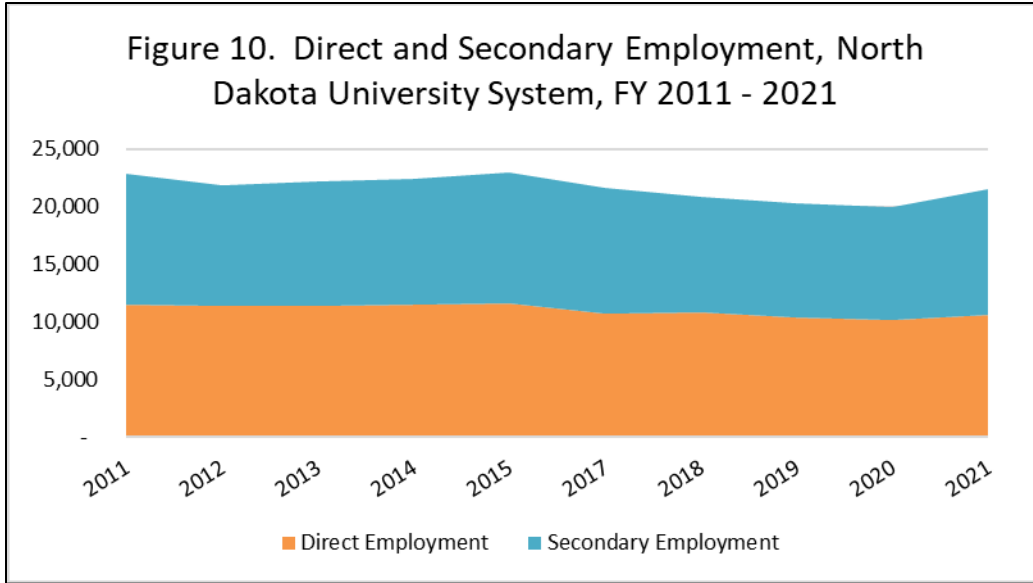
Year <sup>3</sup>	Direct Employment <sup>1</sup>	Indirect (secondary)	Induced (secondary)	Total (secondary) <sup>2</sup>	Direct and Secondary
1999	8,120			12,138	20,258
2004	9,608			12,749	22,357
2006	10,280			12,483	22,743
2008	10,651			10,799	21,450
2009	11,079			10,279	21,358
2011	11,438			11,459	22,897
2012	11,393			10,478	21,871
2013	11,369			10,760	22,294
2014	11,534			10,901	22,294
2015	11,592			11,393	22,985
2016	11,479			N/A	N/A
2017	10,741			10,840	21,581
2018	10,857			10,038	20,895
2019	10,426			9,831	20,257
2020	10,164	2,744	7,074	9,818	19,982
2021	10,579	3,592	7,375	10,966	21,545
2022	10,845			N/A	N/A

Period	Direct Employment		Secondary Employment		All Employment	
	Numeric Change	Percentage Change	Numeric Change	Percentage Change	Numeric Change	Percentage Change
2011 - 2021	-859	-7.5	N/A <sup>3</sup>	N/A <sup>3</sup>	N/A <sup>c</sup>	N/A <sup>3</sup>
2019 - 2021	153	1.5	255	2.4	407	1.9

<sup>1</sup> NDUS direct employment is a June 30<sup>th</sup> employee head count consisting of faculty, classified, other non-classified and temporary positions. Student workers were not included in this total. Prior to 2019, there was some duplication in the employee head count. Beginning in 2019 the employee head count is unduplicated.

<sup>2</sup> Estimates include both indirect and induced employment, and are based on business activity from university expenditures for salaries, wages and benefits, operations and capital expenditures, and student living expenses.

<sup>3</sup>Secondary employment from 1999-2016 were modeled using the North Dakota Input-Output Model. Starting with 2017 secondary employment is modeled with IMPLAN. Secondary employment estimates generated with the North Dakota Input-Output Model and IMPLAN are not directly comparable due to differences in underlying theory, model assumptions and study scope.



## Tax Revenue

In FY2021, business activity from General and Non-general Fund expenditures was estimated to result in about \$19.6 million in revenue to state and local government jurisdictions (Table 6). The greatest revenues were from sales taxes (\$8.4 million), property taxes (\$6.0 million), and personal income taxes (\$2.8 million). Student expenditures supported an additional \$11.6 million in induced (secondary) state and local tax revenue. Combined, North Dakota University System operations and student expenditures generated \$31.3 million dollars in state and local tax revenue.

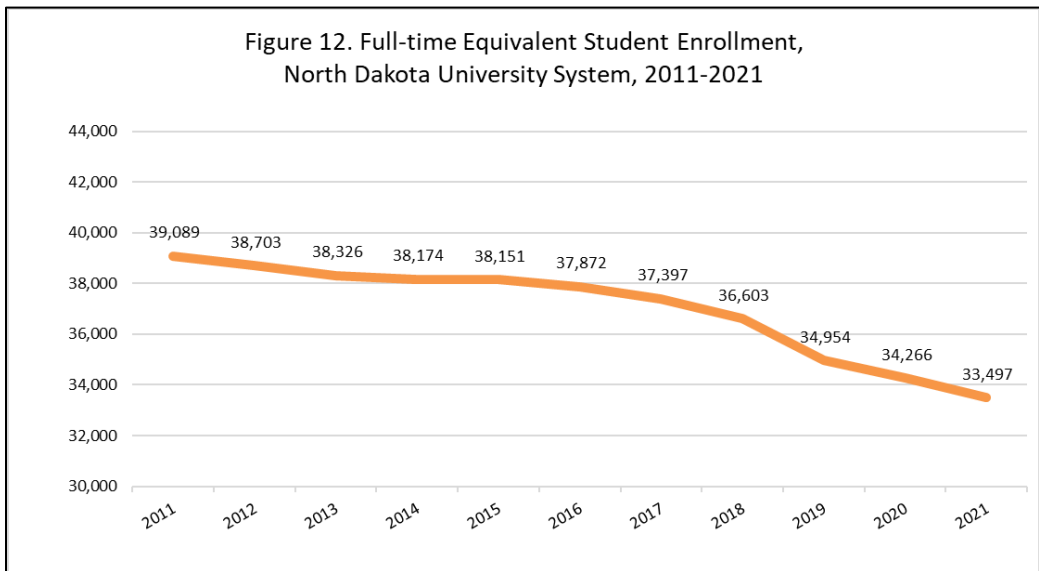
**Table 6. Estimated State Tax Collections Derived from Business Activity, North Dakota University System Expenditures and Student Spending, by Funding Source, FY2021**

<b>Government Revenue</b>	<b>North Dakota University System</b>	<b>Student Spending</b>	<b>Total Tax Collections</b>
----- millions \$ -----			
<b>2020</b>			
<b>General and Non-general Funds</b>			
Sales Tax	8.6	5.5	14.1
Property Tax	6.2	4.0	10.2
Personal Income Tax	2.8	1.1	3.9
Corporate Tax	1.3	0.7	2.1
Other Revenues	1.1	0.5	1.6
	20.0	11.8	31.8
<b>Non-general Funds (only)</b>			
Sales Tax	6.2	n/a	6.2
Property Tax	4.5	n/a	4.5
Personal Income Tax	2.1	n/a	2.1
Corporate Tax	1.0	n/a	1.0
Other Revenues	0.8	n/a	0.8
Total	14.6	n/a	14.6
<b>2021</b>			
<b>General and Non-general Funds</b>			
Sales Tax	9.5	5.4	14.8
Property Tax	6.9	3.9	10.8
Personal Income Tax	3.4	1.1	4.4
Corporate Tax	1.4	0.7	2.2
Other Revenues	1.4	0.5	1.8
Total	22.5	11.6	34.1
<b>Non-general Funds (only)</b>			
Sales Tax	7.0	n/a	7.0
Property Tax	5.0	n/a	5.0
Personal Income Tax	2.5	n/a	2.5
Corporate Tax	1.1	n/a	1.1
Other Revenues	1.0	n/a	1.0
Total	16.6	n/a	16.6

### Student Assessment

Enrollment for the North Dakota University System was 33,497 FTE students during the 2020-2021 school year, down slightly from 34,266 in from the 2019-2020 school year (Table 7, Figure 11). Student enrollment has been steadily declining since 2011 when enrollment peaked at 39,089. From 2011 to 2021 enrollment declined by 5,592 students, a 14.3 percent reduction in FTE student enrollment. Since 2019 enrollment declined by 1,457 students, a 4.2 percent reduction in FTE student enrollment.

<b>Table 7. Full Time Equivalent, Student Enrollment, North Dakota University System, 1999 to 2021</b>			
	<b>Student Enrollment</b>	<b>Number Change</b>	<b>Percentage Change</b>
<b>1999</b>	30,720		
<b>2004</b>	36,245	5,525	18.0
<b>2006</b>	35,373	-872	-2.4
<b>2007</b>	35,075	-298	-0.8
<b>2008</b>	36,095	1,020	2.9
<b>2009</b>	37,564	1,469	4.1
<b>2010</b>	38,899	1,335	3.6
<b>2011</b>	39,089	190	0.5
<b>2012</b>	38,703	-386	-1.0
<b>2013</b>	38,326	-377	-1.0
<b>2014</b>	38,174	-152	-0.4
<b>2015</b>	38,151	-23	-0.1
<b>2016</b>	37,872	-279	-0.7
<b>2017</b>	37,397	-475	-1.3
<b>2018</b>	36,603	-794	-2.1
<b>2019</b>	34,954	-1,649	-4.5
<b>2020</b>	34,266	-688	-2.0
<b>2021</b>	33,497	-769	-2.2
<b>Change 2011-2021</b>		-5,592	-14.3
<b>Change 2019-2021</b>		-1,457	-4.2



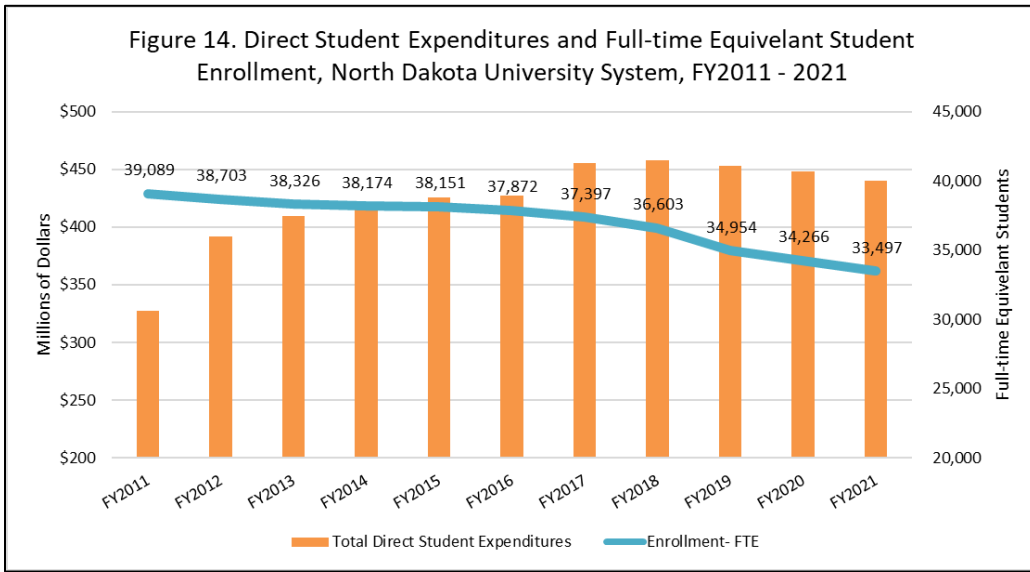
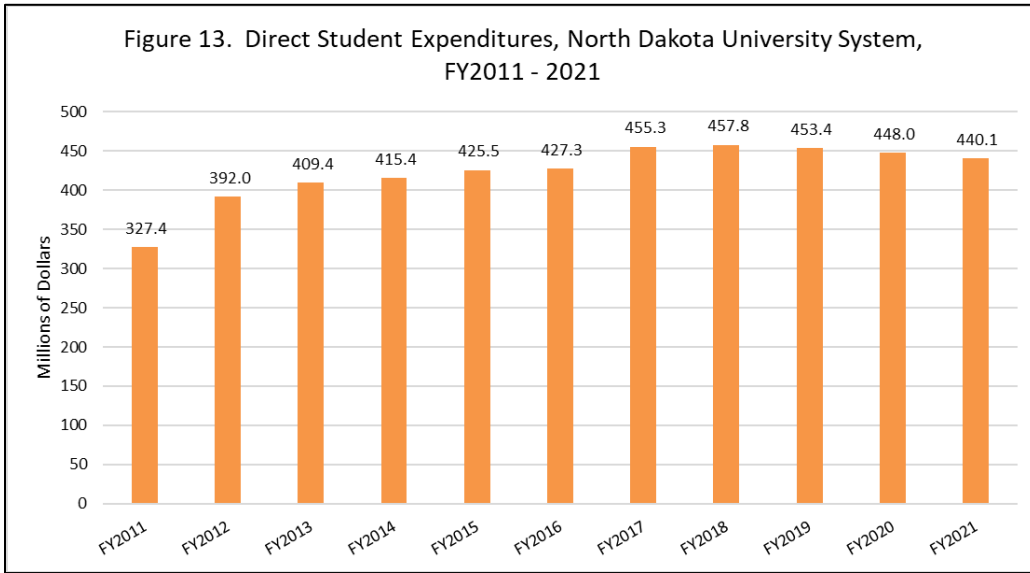
Student spending also adds to the economic contribution of the NDUS. Student spending included outlays for personal items, recreation, books, supplies, and room and board. Students also incur expenses for fees, tuition, and other items not covered in this analysis. Expenditures for fees and tuition are not included in the assessment of economic effects associated with student expenditures, rather those expenditures were captured by the analysis of university expenditures.

Multiplying the fall semester FTE student enrollment for each school by their respective per-student living expenditures provided an estimate of direct effects or first-round effects associated with student spending.

In fall semester 2021, 33,497 FTE students were enrolled and attended the state’s 11 universities and colleges. Per-student living expenses averaged \$13,076 for the 2019-2020 school year and \$13,139 for the 2020-2021 school year (Table 8, Figure 12). Based on expenditures per FTE student, students were estimated to have spent \$440.1 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year (see Table 8, Figure 12). Business activity associated with student expenditures supported additional induced (secondary) effect of \$467.4 million, for total effects (direct and secondary) of \$907.5 million in FY2021.

From 2011 to 2018, student expenditures trended slightly and consistently higher. Since 2018, student expenditures have dropped from \$453.4 million in FY2019 to \$440 million in FY2021. Declines in student expenditures parallel declining enrollment (Figure 13).

<b>Table 8. Student Expenditures, by Expenditure Category, North Dakota University System, FY2020 and FY2021</b>		
<b>Item</b>	<b>FY2020</b>	<b>FY2021</b>
<b>Students (FTE)</b>	34,266	33,497
<b>Spending per Student</b>	\$13,076	\$13,139
<b>Spending by Category (all students)</b> ----- millions \$ -----		
Room and Board	298.6	293.9
Books	30.5	29.8
Personal Expenses	118.9	116.8
<b>Total Student Spending</b>	<b>448.1</b>	<b>440.1</b>
<b>Direct and Secondary Effects</b>		
Direct Effects	448.1	440.1
Indirect Effects	n/a	n/a
Induced Effects	475.7	467.4
<b>Total</b>	<b>923.8</b>	<b>907.5</b>



**Assumptions and Data Limitations: Student Effects**

A large share of student spending will likely occur in the communities where the institutions are located, due to the nature of their purchases (i.e., books, supplies, and room and board). Some of the student expenditures for recreation and personal items will occur in cities and trade areas other than those where the university or college is located. However, for this analysis, all student spending will be assumed to remain in close proximity to the community where the college or university is located.

The use of ND Career Resource Network estimates of room and board expenses may overstate the economic effects of student expenditures. Although a large number of students live on-campus or live independently off-campus, some students live at home. Students living at home



would likely incur less expense for room and board compared to those living on-campus or independently off-campus. Another factor that complicates the estimate of the effects of student spending is that some of the revenues for room and board for students living in university dormitories could be considered double counting with expenditures by the universities. The revenues received by universities and colleges for on-campus room and board would likely be dispersed by the universities for inputs and services associated with student housing. As such, expenditures for providing student housing are probably partially captured by the analyses of university spending. Therefore, including room and board expenses for all students might result in some double counting of University System expenditures. Data were unavailable to adjust the economic contribution of student spending to account for those students living at home or to adjust for the percentage of room and board expenses already captured by University System expenditures.

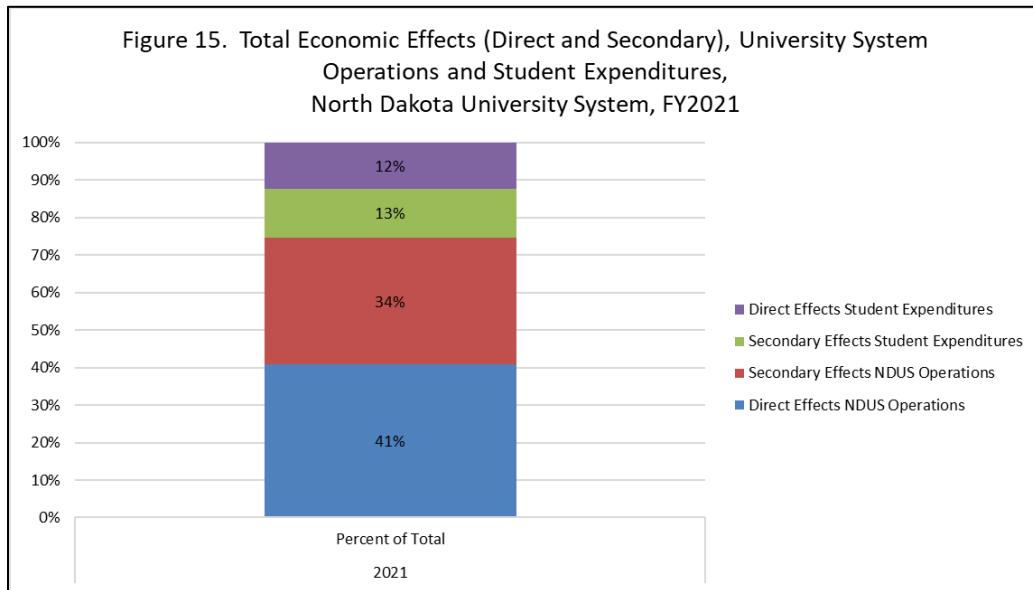
Another area of potential double counting could occur in how expenses are handled for books and other educational materials. Books and educational materials purchased by students through campus-sponsored bookstores or at on-campus varsity marts also are likely to be fully or partially captured by university expenditures. Since those facilities are part of the university or college, expenses for staff, facilities, and materials/inventory would necessarily be included in the university analysis. Further, it is highly likely that a large percentage of college textbooks would be acquired from entities outside of North Dakota and would not represent in-state expenditures by universities and colleges. However, to the extent that educational materials are purchased by students from off-campus sources, those expenditures would not represent double counting. The degree of overlap between student spending for books and educational supplies and university expenditures associated with bookstores and varsity marts is unknown, as is the degree of those supplies purchased by universities from out-of-state entities. Despite data limitations, the cost of books was included in the student spending analysis for consistency with previous analyses.

### **Total Economic Effects**

In FY2021, combined direct effects from North Dakota University System expenditures and North Dakota University System students totaled \$1.90 billion with an additional \$1.68 billion in secondary economic effects. Total economic effects (direct plus secondary) totaled \$3.59 billion in FY2021 (Table 9). North Dakota University System direct expenditures made up 41 percent of total economic effects. Direct and secondary effects from North Dakota University System operations accounted for 75 percent of total (NDUS operations and student expenditures) effects (Figure 14).

**Table 9. Total Economic Effects, North Dakota University System Expenditures and North Dakota University System Student Expenditures, FY2020 and FY2021**

<b>FY2020</b>			
	<b>NDUS Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
---millions of dollars---			
Direct Effects	1,289.4	448.1	1,737.5
Secondary Effects (Indirect and Induced)	1,039.7	475.8	1,510.5
<b>Total Effects (Direct and Secondary)</b>	<b>2,329.1</b>	<b>923.9</b>	<b>3,248.0</b>
<b>FY2021</b>			
	<b>NDUS Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
---millions of dollars---			
Direct Effects	1,464.1	440.1	1,904.2
Secondary Effects (Indirect and Induced)	1,213.9	467.3	1,681.2
<b>Total Effects (Direct and Secondary)</b>	<b>2,678.0</b>	<b>907.4</b>	<b>3,585.4</b>



## Conclusions

The NDUS consists of 11 colleges and universities located throughout the state. Those universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. North Dakota's universities and colleges have positive effects on the state economy and local economies as those revenues are used to purchase inputs and services and pay wages and salaries.

The state's 11 University System colleges, universities, and supporting centers and facilities act as centers for local and regional economic development. In FY2021, the North Dakota University System had direct economic effects of \$1.46 billion and total economic (direct and secondary effects) of \$2.68 billion. A substantial portion of total (direct and secondary) economic effects was a result of Non-general Fund expenditures. Of the total economic effects (direct plus secondary) of \$2.68 billion from both General and Non-general Funds, \$2.0 billion was associated with Non-general Funds. Economic effects from Non-general expenditures in FY2021 comprised 75 percent of North Dakota University System total (direct plus secondary) economic effects. The relative share of NDUS spending that comes from Non-general Fund sources highlights the importance that outside financial support plays in the economic effects of the NDUS on the North Dakota economy.

Student expenditures also contribute to the University System's economic effects. In 2021, the university system's 33,497 FTE students spent on average, approximately \$13,000 each totaling \$440 million in direct expenditures and \$907 million in total economic effects (direct plus secondary).

The North Dakota University System also supports employment throughout the state. In FY2021, the North Dakota University System directly employed 10,579 individuals. Business activity associated with University System expenditures supported an additional 10,966 secondary jobs in FY2021.

Institutions of higher education in North Dakota provide the state with an educated workforce ready to meet the challenges of an ever-changing work environment. They provide outreach and continuing education programs for the state's residents and businesses. In addition to providing education, the state's universities and colleges create and support jobs and employment opportunities through research, extension, and teaching activities. The activities and services of the North Dakota University system provide economic benefits which enhance local and state economies.

## References

Bangsund, Dean A. and Nancy M. Hodur. 2020. *Economic Contribution of the North Dakota University System in 2019*. AAE Report No. 806. Fargo: North Dakota State University, Department of Agribusiness and Applied Economics. Available at <https://ageconsearch.umn.edu/record/308735>

DA Bangsund, Agribusiness and Applied Economics, North Dakota State University. 2023. Unpublished figure.

IMPLAN. 2021. IMPLAN Group LLC. A software program available at <https://implan.com/>

[North Dakota Career Resource Network. 2014 to 2022. https://www.cte.nd.gov/CRN\\_Resources](https://www.cte.nd.gov/CRN_Resources)

## **Appendix A**

### **College Summaries**

## Bismarck State College, North Dakota's Polytechnic Institution

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of Bismarck State College using key economic indicators; gross business volume, selected tax revenues, and employment.

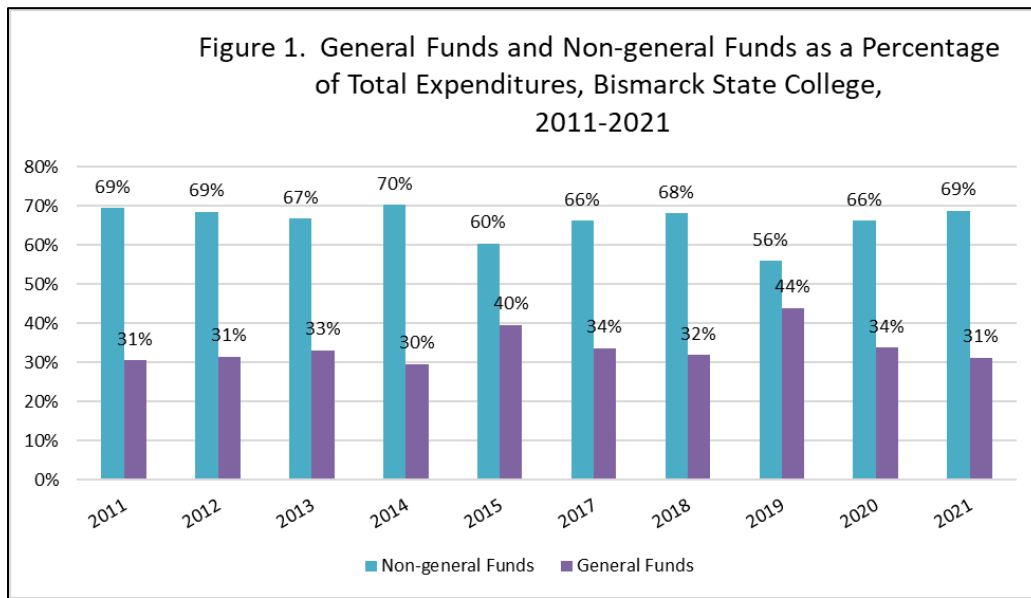
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$48.2 and \$54.1 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$30.1 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$15.5 million in FY2021. Scholarships totaled \$6.3 million and Capital Improvements and Equipment totaled \$2.2 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, Bismarck State College, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$ -----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	29.3	30.1
Operations	12.9	15.5
Scholarships	4.5	6.3
Capital Expenditures	1.4	2.2
<b>Total</b>	<b>48.2</b>	<b>54.1</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	16.9	17.2
Operations	9.7	12.4
Scholarships	4.4	6.2
Capital Expenditures	0.9	1.5
<b>Total</b>	<b>31.9</b>	<b>37.2</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	12.4	12.9
Operations	3.2	3.2
Scholarships	0.1	0.1
Capital Expenditures	0.5	0.7
<b>Total</b>	<b>16.3</b>	<b>16.9</b>

In FY2021 Non-general Funds made up 69 percent of total Bismarck State College expenditures for operations while General Fund expenditures made up 31 percent. Since 2011, the share of Non-general and General Funds measured as a percentage of total expenditures have been fairly consistent with approximately a 70 percent/30 percent split, respectively with the exception of FY2015 and FY2019 where General Fund expenditures made up 40 and 44 percent, respectively of total expenditures (Figure 1).

In FY2021, for every dollar of General Funds, Bismarck State College obtained an additional \$2.20 in Non-general Funds. In FY2020, leveraged \$1.96 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Bismarck State College expenditures for wages and salaries, operations, and capital expenditures. While Bismarck State College also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Bismarck State College total expenditures.

Direct effects from General and Non-general Fund expenditures were \$47.8 million in FY2021. Secondary effects (indirect and induced) totaled \$33.4 million. Total direct and secondary effects from Bismarck State College expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$81.2 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$28.7 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$30.5 million, for total economic effects (direct and secondary) of \$59.2 million (Table 2). Average per student expenditures were \$12,022 (data not shown).

Direct employment at Bismarck State College in FY2021 was 635 jobs. Business activity associated with Bismarck State College expenditures supported secondary employment of 208 jobs in FY2021. Student expenditures supported secondary employment of 203 jobs. Total direct and secondary employment associated with Bismarck State College supported 1,046 jobs in FY2021 (Table 2).

In FY2021, business activity from Bismarck State College General and Non-general Fund expenditures was estimated to generate about \$685,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$758,000 in state and local tax revenue. Combined, Bismarck State College operations and student expenditures generated \$1.4 million in state and local tax revenue (Table 2).

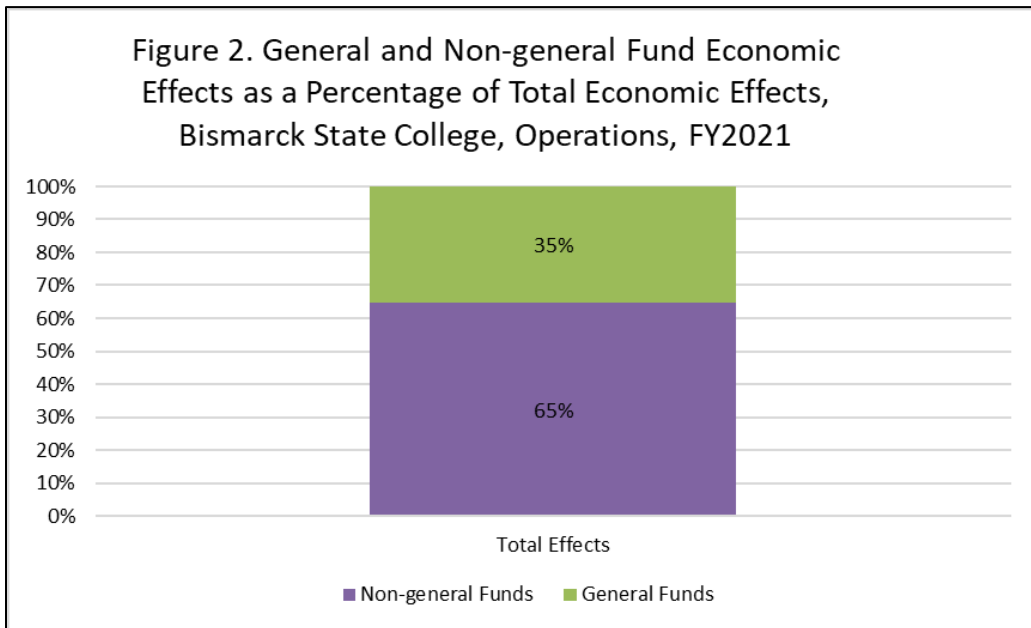
A substantial portion of total (direct and secondary) economic effects from Bismarck State College operations in FY2021 was a result of Non-general Fund expenditures. Economic effects from Non-general expenditures in FY2021 comprised 65 percent of Bismarck State College (direct plus secondary) economic effects (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Bismarck State College, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	43.6	29.6	73.2
Secondary Effects	31.5	31.4	62.9
Total (direct and secondary) Effects	75.1	61.0	136.1
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	618	n/a	618
Secondary Effects	194	209	403
Total Employment Supported	812	209	1,021
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	656.5	780.0	1,436.5



**Table 2 (cont.) Economic Effects, Bismarck State College, FY2020 and FY2021**

Economic Metric and Type of Effect	Operations	Student Expenditures	Total
	<b>FY2021</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	47.8	28.7	76.5
Secondary Effects	33.4	30.5	63.9
Total (direct and secondary) Effects	81.2	59.2	140.4
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	635	n/a	635
Secondary Effects	208	203	411
Total Employment Supported	843	203	1,046
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	684.7	758.2	1,443.0
<sup>1</sup> Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.			



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Bismarck State College had expenditures of \$54.1 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$30.1 million, 56 percent of total expenditures.
- Non-general Funds accounted for 69 percent of Bismarck State College expenditures in FY2021.
- Bismarck State College leveraged \$2.20 from external sources for every dollar of state appropriated funds in FY2021.
- FY2021 direct economic effects from Bismarck State College operations were \$47.8 million. Total (direct and secondary) economic effects were 81.2 million.
- In FY2021, economic effects of student living expenses resulted in \$28.7 million in direct effects and \$30.5 million in secondary effects, for total direct and secondary effects of \$59.2 million.
- Bismarck State College student expenditures in FY2021 were estimated to be approximately \$12,022 per student.
- Combined, Bismarck State College operations and student expenditures (direct effects) in FY2021 was \$76.5 million. Total economic contribution (direct plus secondary) from Bismarck State College operations and student expenditures was \$140.4 million.
- A substantial portion of total (direct and secondary) economic effects from Bismarck State College operations was a result of Non-general Fund expenditures. Sixty-five percent of total economic effects were attributable to Non-general Funds.
- Bismarck State College in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$1.4 million in state tax collections in FY2021.
- Direct employment at Bismarck State College was 635 jobs in FY2021. Business activity from Bismarck State College expenditures and spending by students supported secondary employment of 411 jobs. Total direct and secondary employment was 1,046 in FY2021.

## Dakota College at Bottineau

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of Dakota College at Bottineau using key economic indicators; gross business volume, selected tax revenues, and employment.

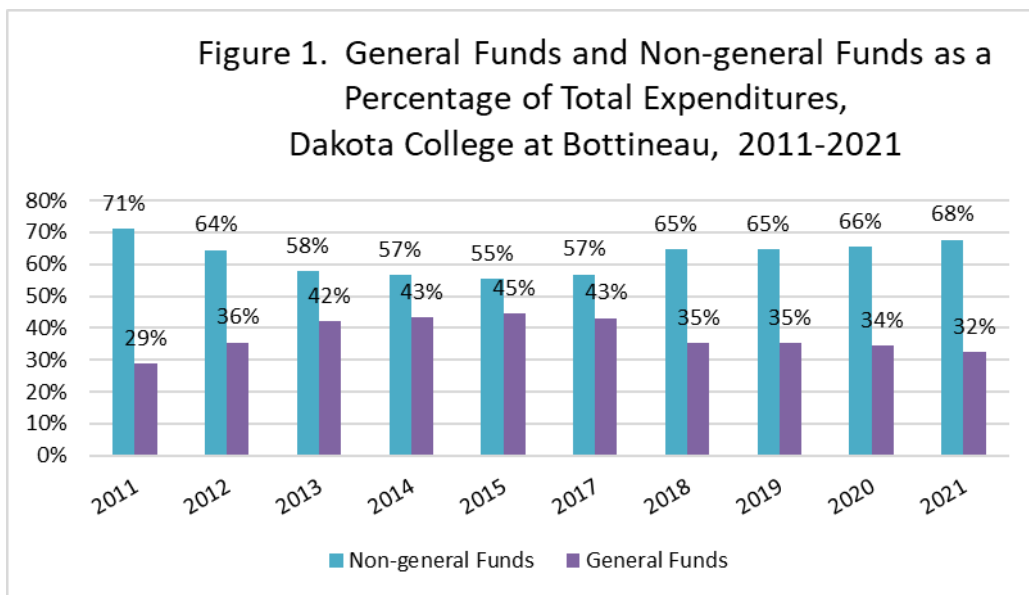
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$13.4 million and \$14.4 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$6.8 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$4.4 million in FY2021. Scholarships totaled \$1.7 million and Capital Improvements and Equipment totaled \$1.5 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, Dakota College at Bottineau, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$ -----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	6.5	6.8
Operations	4.7	4.4
Scholarships	1.8	1.7
Capital Expenditures	0.4	1.5
<b>Total</b>	13.4	14.4
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	3.2	3.5
Operations	3.8	3.7
Scholarships	1.8	1.6
Capital Expenditures	0.1	0.9
<b>Total</b>	8.8	9.7
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	3.3	3.2
Operations	1.0	0.7
Scholarships	0.1	0.1
Capital Expenditures	0.3	0.6
<b>Total</b>	4.6	4.6

In FY2021, Non-general Funds made up 68 percent of total Dakota College at Bottineau expenditures for operations while General Fund expenditures made up 32 percent. From 2011 to 2015, the share of Non-general Funds as a percentage of total expenditures declined before increasing in 2018. Since 2018, the share of Non-general and General Funds as a percentage of total expenditures has been fairly consistent with approximately a two-thirds and one-third split, respectively (Figure 1).

In FY2021, for every dollar of General Funds, Dakota College at Bottineau obtained an additional \$2.09 in Non-general Funds. In FY2020, Dakota College at Bottineau leveraged \$1.91 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Dakota College at Bottineau expenditures for wages and salaries, operations, and capital expenditures. While the Dakota College at Bottineau also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Dakota College at Bottineau total expenditures.

Direct effects from General and Non-general Fund expenditures were \$12.7 million in FY2021. Secondary effects (indirect and induced) totaled \$9.7 million. Total direct and secondary effects from Dakota College at Bottineau expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$22.4 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$7.4 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$7.9 million, for total economic effects (direct and secondary) of \$15.2 million (Table 2). Average per student expenditures were \$12,022 (data not shown).

Direct employment at Dakota College at Bottineau in FY2021 was 175 jobs. Business activity associated with Dakota College at Bottineau expenditures supported secondary employment of 65 jobs in FY2021. Student expenditures supported secondary employment of 52 jobs. Total direct and secondary employment associated with Dakota College at Bottineau supported 292 jobs in FY2021 (Table 2).

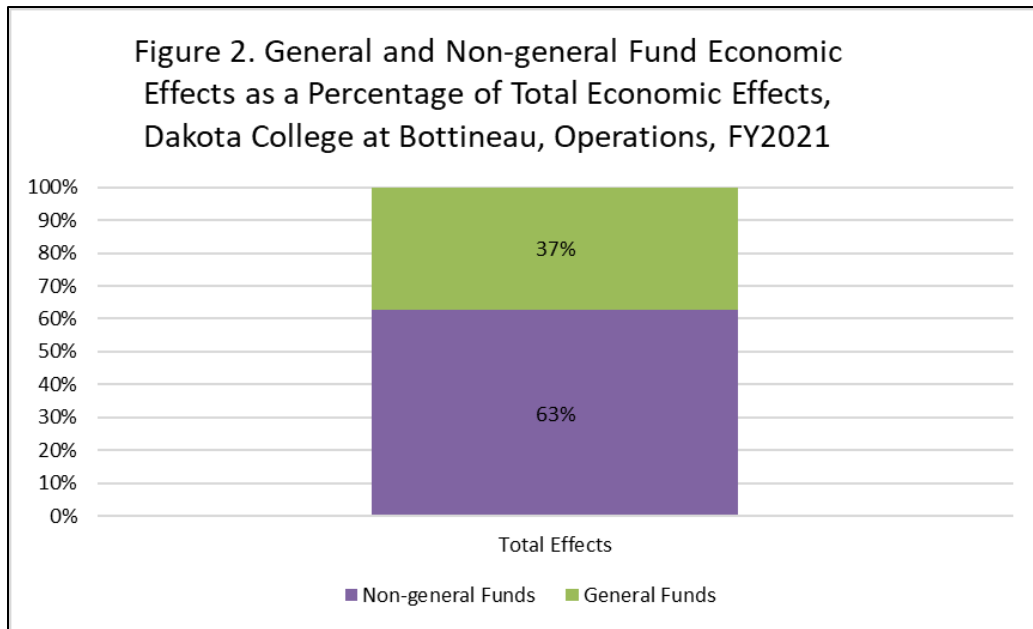
In FY2021, business activity from Dakota College at Bottineau General and Non-general Fund expenditures was estimated to generate about \$179,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$195,000 in state and local tax revenue. Combined, Dakota College at Bottineau operations and student expenditures generated \$374,000 in state and local tax revenue (Table 2).

A substantial portion of total (direct and secondary) economic effects from Dakota College at Bottineau operations in FY2021 was a result of Non-general Fund expenditures. Economic effects from Non-general expenditures in FY2021 comprised 63 percent of Dakota College at Bottineau (direct plus secondary) economic effects (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Dakota College at Bottineau, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	11.6	6.4	18.0
Secondary Effects	7.9	6.8	14.7
Total (direct and secondary) Effects	19.4	13.3	32.7
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	167	n/a	167
Secondary Effects	51	45	96
Total Employment Supported	218	45	263
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	152.2	168.8	321.0

**Table 2 (cont.) Economic Effects, Dakota College at Bottineau, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
<b>FY2021</b>			
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	12.7	7.4	20.1
Secondary Effects	9.7	7.9	17.5
Total (direct and secondary) Effects	22.4	15.2	37.6
<b>Employment</b>			
----- jobs -----			
Direct Effect (college employees)	175	n/a	175
Secondary Effects	65	52	117
Total Employment Supported	240	52	292
<b>Tax Revenues</b>			
----- thousand \$ -----			
Sales, Property, Personal Income, Other	179.2	195.1	374.3
<sup>1</sup> Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.			



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Dakota College at Bottineau had expenditures of \$14.4 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$6.8 million, 47 percent of total expenditures.
- Non-general Funds accounted for 68 percent of Dakota College at Bottineau expenditures in FY2021.
- Dakota College at Bottineau leveraged \$2.09 from external sources for every dollar of state appropriated funds in FY2021.
- FY2021 direct economic effects from Dakota College at Bottineau operations were \$12.7 million. Total (direct and secondary) economic effects were \$22.4 million.
- In FY2021, student living expenses resulted in \$7.4 million in direct effects and \$7.9 million in secondary effects, for total direct and secondary effects of \$15.2 million.
- Dakota College at Bottineau student expenditures in FY2021 were estimated to be approximately \$12,022 per student in FY2021.
- Combined, Dakota College at Bottineau operations and student expenditures (direct effects) in FY2021 were \$20.1 million. Total economic contribution (direct plus secondary) was \$37.6 million.
- A substantial portion of total (direct and secondary) economic effects from Dakota College at Bottineau operations was a result of Non-general Fund expenditures. Of the total economic effects (direct plus secondary), 63 percent were attributable to Non-general Funds in FY2021.
- Dakota College at Bottineau in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$374,000 in state tax collections.
- Direct employment at Dakota College at Bottineau was 175 jobs in FY2021. Business activity from Dakota College at Bottineau expenditures and spending by students supported secondary employment of 117 jobs. Total direct and secondary employment was 292 jobs in FY2021.

## Dickinson State University

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of Dickinson State University using key economic indicators; gross business volume, selected tax revenues, and employment.

### General and Non-general Expenditures

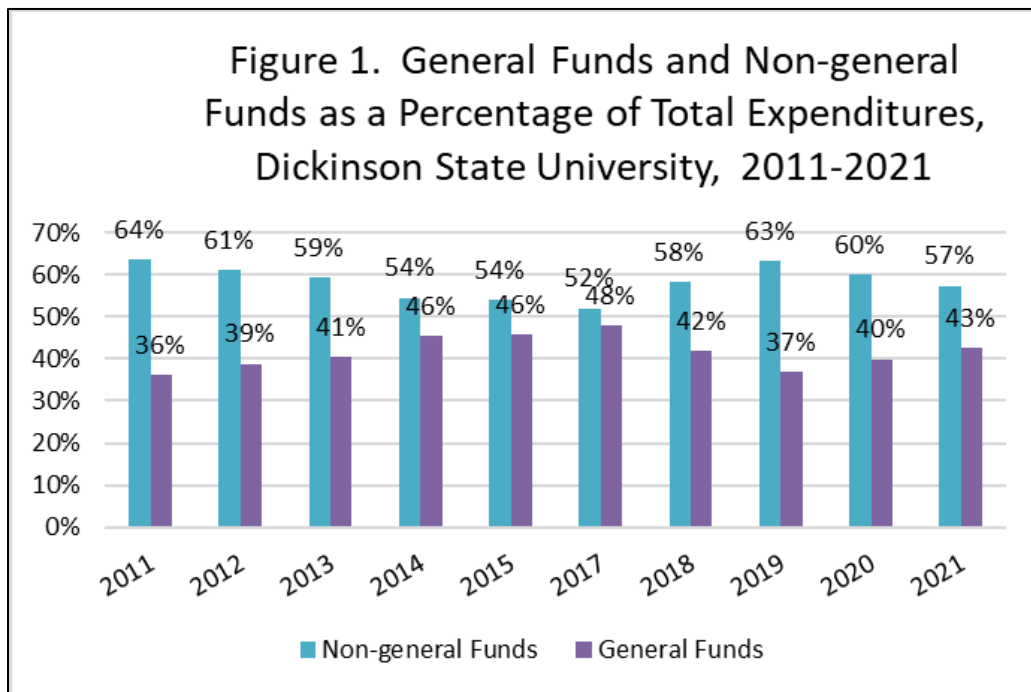
Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$27.4 million and \$32.6 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$16.1 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$8.1 million in FY2021. Scholarships totaled \$3.7 million and Capital Improvements and Equipment totaled \$4.7 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, Dickinson State University, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$ -----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	17.6	16.1
Operations	6.0	8.1
Scholarships	3.0	3.7
Capital Expenditures	0.7	4.7
<b>Total</b>	<b>27.4</b>	<b>32.6</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	8.7	7.8
Operations	4.5	6.6
Scholarships	2.8	3.2
Capital Expenditures	0.4	1.1
<b>Total</b>	<b>16.5</b>	<b>18.7</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	8.9	8.3
Operations	1.5	1.6
Scholarships	0.2	0.5
Capital Expenditures	0.3	3.5
<b>Total</b>	<b>10.9</b>	<b>13.9</b>



In FY2021, Non-general Funds made up 57 percent of total Dickinson State University expenditures for operations while General Fund expenditures made up 43 percent. Since 2017 the percentage of Non-general Funds as a percentage of total expenditures has increased from 10-year low of 52 percent (Figure 1).

In FY2021, for every dollar of General Funds, Dickinson State University obtained an additional \$1.34 in Non-general Funds. In FY2020, Dickinson State University leveraged \$1.50 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Dickinson State University expenditures for wages and salaries, operations, and capital expenditures. While Dickinson State University also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Dickinson State University total expenditures.

Direct effects from General and Non-general Fund expenditures were \$28.9 million in FY2021. Secondary effects (indirect and induced) totaled \$22.2 million. Total direct and secondary effects from Dickinson State University expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$51.1 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$14.5 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$15.4 million, for total economic effects (direct and secondary) of \$29.8 million (Table 2). Average per student expenditures were \$12,535 (data not shown).

Direct employment at Dickinson State University in FY2021 was 297 jobs. Business activity associated with Dickinson State University expenditures supported secondary employment of 148 jobs in FY2021. Student expenditures supported secondary employment of 102 jobs. Total direct and secondary employment associated with Dickinson State University supported 547 jobs in FY2021 (Table 2).

In FY2021, business activity from Dickinson State University General and Non-general Fund expenditures was estimated to generate about \$414,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$382,000 in state and local tax revenue. Combined, Dickinson State University operations and student expenditures generated \$796,000 in state and local tax revenue (Table 2).

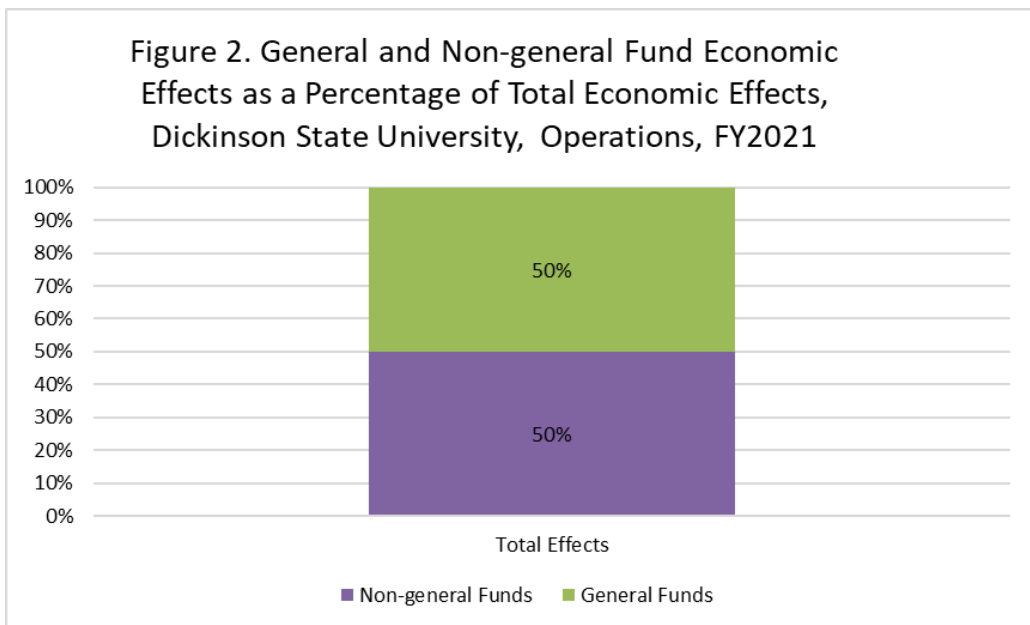
Total (direct and secondary) economic effects from Dickinson State University operations in FY2021 were split evenly between General and Non-General Fund expenditures, 50 percent each. (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Dickinson State University, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	24.4	13.9	38.2
Secondary Effects	19.7	14.7	34.5
Total (direct and secondary) Effects	44.1	28.6	72.7
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	208	n/a	208
Secondary Effects	120	98	218
Total Employment Supported	328	98	426
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	386.8	366.1	752.9

**Table 2 (cont.) Economic Effects, Dickinson State University, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
<b>FY2021</b>			
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	28.9	14.5	43.4
Secondary Effects	22.2	15.4	37.5
Total (direct and secondary) Effects	51.1	29.8	80.9
<b>Employment</b>			
----- jobs -----			
Direct Effect (college employees)	297	n/a	297
Secondary Effects	148	102	250
Total Employment Supported	445	250	547
<b>Tax Revenues</b>			
----- thousand \$ -----			
Sales, Property, Personal Income, Other	414.3	381.7	796.0

<sup>1</sup>Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Dickinson State University had expenditures of \$32.6 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$16.1 million, 49 percent of total expenditures.
- Non-general Funds accounted for 57 percent of Dickinson State University expenditures in FY2021.
- Dickinson State University leveraged \$1.34 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from Dickinson State University operations were \$28.9 million. Total (direct and secondary) economic effects were \$56.0 million.
- In FY2021, student living expenses resulted in \$14.5 million in direct effects and \$15.4 million in secondary effects, for total direct and secondary effects of \$29.8 million.
- Dickinson State University student expenditures in FY2021 were estimated to be approximately \$12,535 per student.
- Combined, Dickinson State University operations and student expenditures (direct effects) in FY2021 was \$43.4 million. Total economic contribution (direct plus secondary) from Dickinson State University operations and student expenditures was \$85.8 million.
- Fifty percent of total (direct and secondary) economic effects from Dickinson State University operations were a result of General Fund expenditures in FY2021.
- Dickinson State University in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$796,000 in state and local tax collections in FY2021.
- Direct employment at Dickinson State University was 297 jobs in FY2021. Business activity from Dickinson State University expenditures and spending by students supported secondary employment of 250 jobs. Total direct and secondary employment was 547 jobs in FY2021.

## Lake Region State College

Each of the state’s college campuses is an important component of that area’s local economy. This summary highlights the economic contribution of Lake Region State College using key economic indicators; gross business volume, selected tax revenues, and employment.

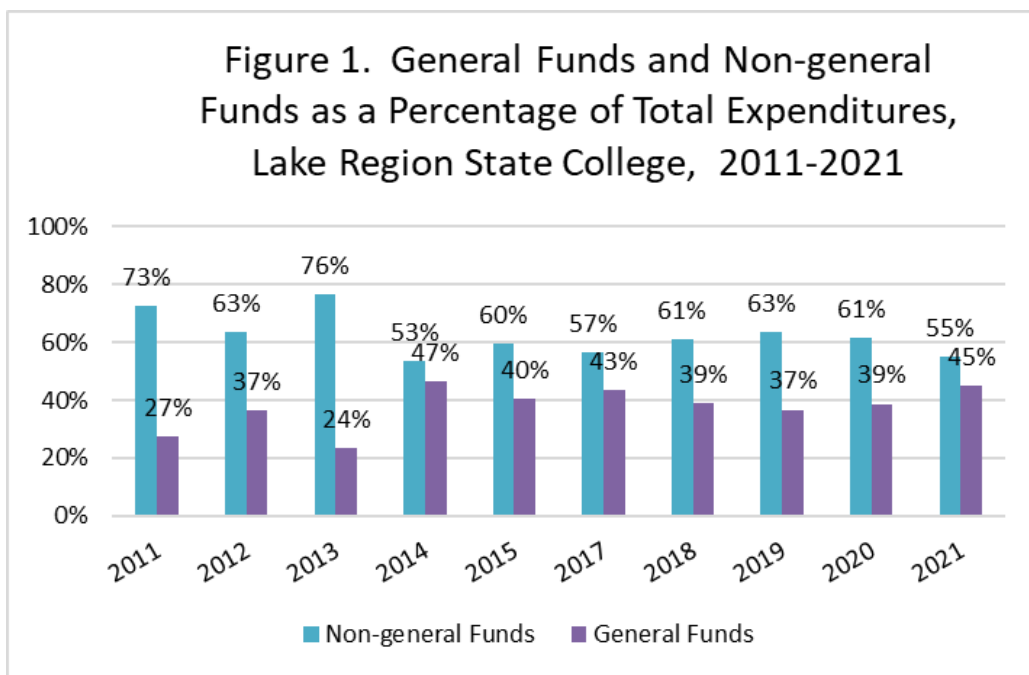
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$18.1 million and \$20.1 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$11.3 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$4.2 million in FY2021. Scholarships totaled \$1.9 million and Capital Improvements and Equipment totaled \$2.7 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, Lake Region State College, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$-----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	11.4	11.3
Operations	4.0	4.2
Scholarships	2.1	1.9
Capital Expenditures	0.6	2.7
<b>Total</b>	18.1	20.1
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	6.2	5.9
Operations	3.0	3.2
Scholarships	1.9	1.7
Capital Expenditures	0.1	0.2
<b>Total</b>	11.1	11.0
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	5.2	5.4
Operations	1.0	1.0
Scholarships	0.2	0.2
Capital Expenditures	0.6	2.5
<b>Total</b>	7.0	9.1

In FY2021, Non-general Funds made up 55 percent of total Lake Region State College expenditures for operations while General Fund expenditures made up 45 percent. From FY2011 to FY2015, the share of Non-general Funds as a percentage of total expenditures declined before increasing in 2018. From 2018 to 2020, the share of Non-general and General Funds as a percentage of total expenditures was fairly consistent with approximately a two-thirds and one-third split, respectively (Figure 1).

In FY2021, for every dollar of General Funds, Lake Region State College obtained an additional \$1.22 in Non-general Funds. In FY2020, Lake Region State College leveraged \$1.59 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Lake Region State College expenditures for wages and salaries, operations, and capital expenditures. While Lake Region State College also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Lake Region State College total expenditures.

Direct effects from General and Non-general Fund expenditures were \$18.2 million in FY2021. Secondary effects (indirect and induced) totaled \$14.8 million. Total direct and secondary effects from Lake Region State College expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$33.0 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$9.5 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$10.1 million, for total economic effects (direct and secondary) of \$19.6 million (Table 2). Average per student expenditures were \$12,022 (data not shown).

Direct employment at Lake Region State College in FY2021 was 316 jobs. Business activity associated with Lake Region State College expenditures supported secondary employment of 96 jobs in FY2021. Student expenditures supported secondary employment of 67 jobs. Total direct and secondary employment associated with Lake Region State College supported 479 jobs in FY2021 (Table 2).

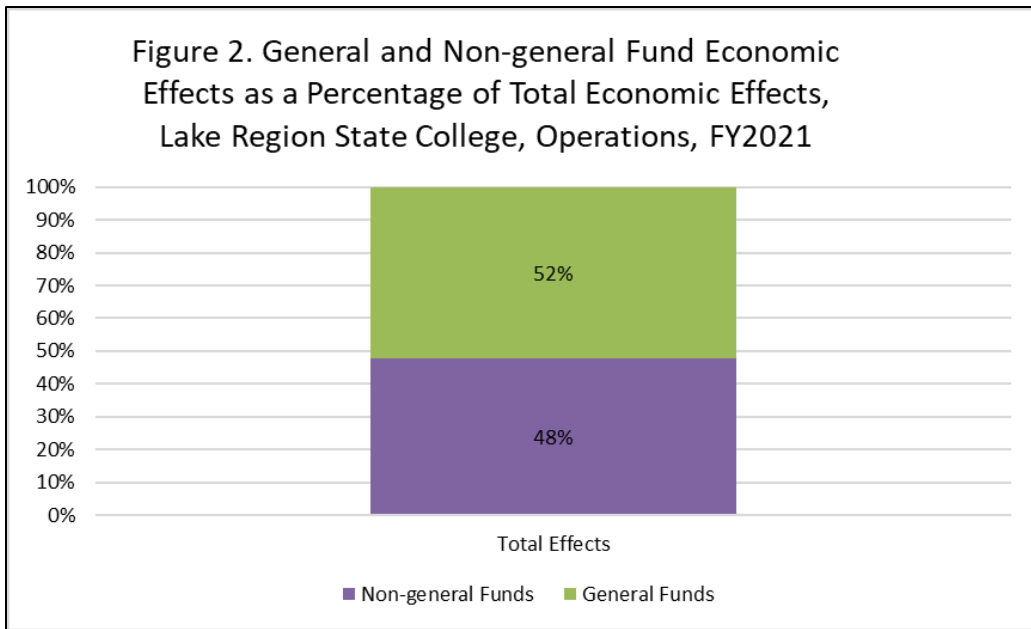
In FY2021, business activity from Lake Region State College General and Non-general Fund expenditures was estimated to generate about \$279,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$251,000 in state and local tax revenue. Combined, Lake Region State College operations and student expenditures generated \$530,000 in state and local tax revenue (Table 2).

Total (direct and secondary) economic effects from Lake Region State College operations in FY2021 were fairly evenly split between Non-general and General Fund expenditures. Economic effects from Non-general expenditures in FY2021 comprised 48 percent of Lake Region State College (direct plus secondary) economic effects compared to 52 percent from General Funds (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Lake Region State College, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	16.0	10.1	26.1
Secondary Effects	11.6	10.6	22.3
Total (direct and secondary) Effects	27.6	20.7	48.3
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	329	n/a	380
Secondary Effects	75	71	146
Total Employment Supported	404	71	526
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	238.3	264.4	502.7

**Table 2 (cont.) Economic Effects, Lake Region State College, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
<b>FY2021</b>			
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	18.2	9.5	27.7
Secondary Effects	14.8	10.1	24.9
Total (direct and secondary) Effects	33.0	19.6	52.6
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	316	n/a	316
Secondary Effects	96	67	163
Total Employment Supported	412	67	479
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	278.9	250.9	529.8
<sup>1</sup> Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.			





## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Lake Region State College had total expenditures of \$20.1 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$11.3 million, 56 percent of total expenditures.
- Non-general Funds accounted for 55 percent of Lake Region State College expenditures in FY2021.
- Lake Region State College leveraged \$1.22 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from Lake Region State College operations were \$18.2 million. Total (direct and secondary) economic effects were \$33.0 million.
- In FY2021, student living expenses resulted in \$9.5 million in direct effects and \$10.1 million in secondary effects, for total direct and secondary effects of \$19.6 million.
- Lake Region State College student expenditures in FY2021 were estimated to be approximately \$12,022 per student.
- Combined, Lake Region State College operations and student expenditures (direct effects) in FY2021 were \$27.7 million. Total economic contribution (direct plus secondary) from Lake Region State College operations and student expenditures was \$52.6 million.
- Of the total economic effects (direct plus secondary) 48 percent of total economic effects were attributable to Non-general Funds.
- Lake Region State College in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$530,000 in state and local tax collections.
- Direct employment at Lake Region State College was 316 jobs in FY2021. Business activity from Lake Region State College expenditures and spending by students supported secondary employment of 163 jobs. Total direct and secondary employment was 479 jobs in FY2021.

## Mayville State University

Each of the state’s college campuses is an important component of that area’s local economy. This summary highlights the economic contribution of Mayville State University using key economic indicators; gross business volume, selected tax revenues, and employment.

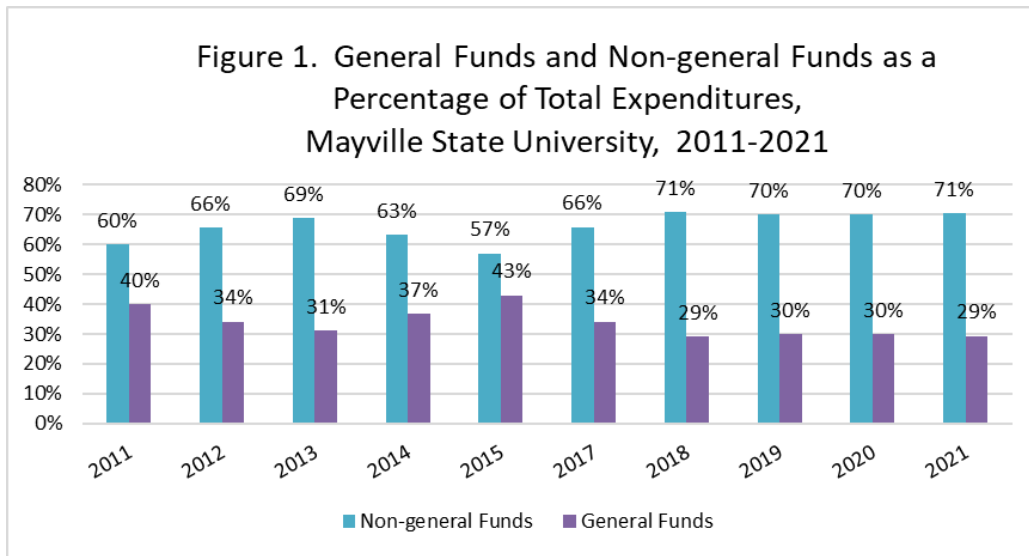
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$25.7 million and \$27.1 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$17.2 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$7.0 million in FY2021. Scholarships totaled \$2.4 million and Capital Improvements and Equipment totaled \$0.6 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, Mayville State University, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$-----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	16.6	17.2
Operations	6.4	7.0
Scholarships	2.5	2.4
Capital Expenditures	0.2	0.6
<b>Total</b>	<b>25.7</b>	<b>27.1</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	10.7	10.9
Operations	4.9	5.5
Scholarships	2.3	2.2
Capital Expenditures	0.1	0.6
<b>Total</b>	<b>18.0</b>	<b>19.2</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	5.9	6.3
Operations	1.5	1.5
Scholarships	0.2	0.2
Capital Expenditures	0.1	> 0.1
<b>Total</b>	<b>7.7</b>	<b>8.0</b>

In FY2021, Non-general Funds made up 71 percent of total Mayville State University expenditures for operations while General Fund expenditures made up 29 percent. Since FY2018, the share of Non-general Funds as a percentage of total expenditures has been relatively consistent. (Figure 1).

In FY2021, for every dollar of General Funds, Mayville State University obtained an additional \$2.41 in Non-general Funds. In FY2020, Mayville State University leveraged \$2.34 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Mayville State University expenditures for wages and salaries, operations, and capital expenditures. While Mayville State University also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Mayville State University total expenditures.

Direct effects from General and Non-general Fund expenditures were \$24.7 million in FY2021. Secondary effects (indirect and induced) totaled \$16.9 million. Total direct and secondary effects from Mayville State University expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$41.7 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$10.0 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported

additional induced (secondary) effects of \$10.7 million, for total economic effects (direct and secondary) of \$20.7 million (Table 2). Average per student expenditures were \$12,335 (data not shown).

Direct employment at Mayville State University in FY2021 was 356 jobs. Business activity associated with Mayville State University expenditures supported secondary employment of 110 jobs in FY2021. Student expenditures supported secondary employment of 71 jobs. Total direct and secondary employment associated with Mayville State University supported 537 jobs in FY2021 (Table 2).

In FY2021, business activity from Mayville State University General and Non-general Fund expenditures was estimated to generate about \$340,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$265,000 in state and local tax revenue. Combined, Mayville State University operations and student expenditures generated \$606,000 in state and local tax revenue in FY2021 (Table 2).

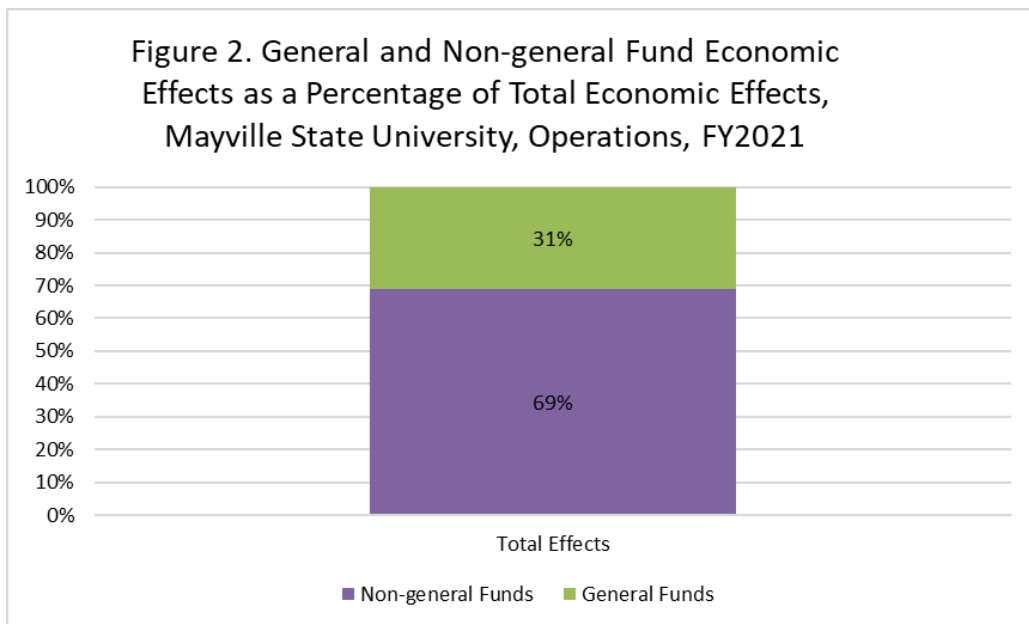
Total (direct and secondary) economic effects from Mayville State University operations in FY2021 were fairly evenly split between Non-general and General Fund expenditures. Economic effects from Non-general expenditures in FY2021 comprised 69 percent of Mayville State University (direct plus secondary) economic effects compared to 31 percent from General Funds (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Mayville State University, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	23.2	9.5	32.8
Secondary Effects	15.7	10.1	25.8
Total (direct and secondary) Effects	38.9	19.6	58.6
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	395	n/a	395
Secondary Effects	101	67	168
Total Employment Supported	496	67	563
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	323.6	251.4	575.0

**Table 2 (cont.) Economic Effects, Mayville State University, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2021</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	24.7	10.0	34.8
Secondary Effects	16.9	10.7	27.6
Total (direct and secondary) Effects	41.7	20.7	62.4
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	356	n/a	356
Secondary Effects	110	71	181
Total Employment Supported	466	71	537
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	340.1	265.3	606.0

<sup>1</sup>Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Mayville State University had expenditures of \$27.1 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$17.2 million, 63 percent of total expenditures.
- Non-general Funds accounted for 71 percent of Mayville State University expenditures in FY2021.
- Mayville State University leveraged \$2.41 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from Mayville State University operations were \$24.7 million. Total (direct and secondary) economic effects were \$41.7 million.
- In FY2021, economic effects of student living expenses resulted in \$10.0 million in direct effects and \$10.7 million in secondary effects, for total direct and secondary effects of \$20.7 million.
- Mayville State University student expenditures in FY2021 were estimated to be approximately \$12,335 per student.
- Combined, Mayville State University operations and student expenditures (direct effects) in FY2021 were \$34.8 million. Total economic contribution (direct plus secondary) was \$62.4 million.
- Of the total economic effects (direct plus secondary), 51 percent of total economic effects were attributable to Non-general Funds.
- Mayville State University in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$606,000 in state and local tax collections.
- Direct employment at Mayville State University was 356 jobs in FY2021. Business activity from Mayville State University expenditures and spending by students supported secondary employment of 181 jobs. Total direct and secondary employment was 537 jobs in FY2021.

## Minot State University

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of Minot State University using key economic indicators; gross business volume, selected tax revenues, and employment.

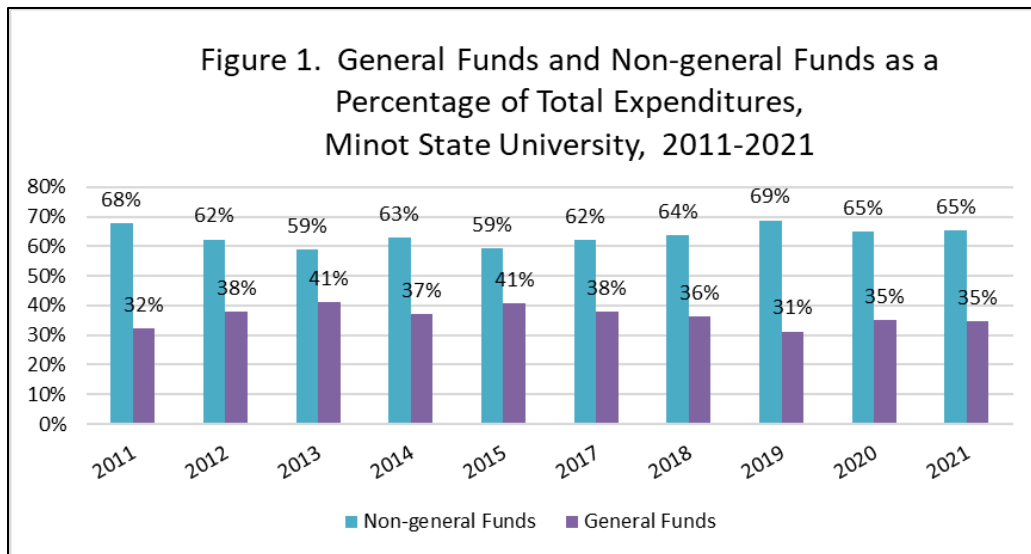
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$57.0 million and \$58.0 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$36.1 million. Operating expenditures were the next largest expenditure category, totaling \$14.3 million in FY2021. Scholarships totaled \$6.8 million and Capital Improvements and Equipment totaled \$0.7 million in FY2021 (Table 1).

<b>Table 1. General and Non-general Expenditures, Minot State University, FY2020 and FY2021</b>		
	<b>FY2020</b>	<b>FY2021</b>
	----- million \$-----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	36.0	36.1
Operations	12.9	14.3
Scholarships	6.6	6.8
Capital Expenditures	1.5	0.7
<b>Total</b>	<b>57.0</b>	<b>58.0</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	20.7	20.1
Operations	9.8	11.3
Scholarships	5.7	5.8
Capital Expenditures	0.8	0.6
<b>Total</b>	<b>36.9</b>	<b>37.8</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	15.3	16.0
Operations	3.1	3.0
Scholarships	0.9	1.1
Capital Expenditures	0.7	0.1
<b>Total</b>	<b>20.0</b>	<b>20.2</b>

In FY2021, Non-general Funds made up 65 percent of total Minot State University expenditures while General Fund expenditures made up 35 percent. Since 2011, the share of Non-general Funds as a percentage of total expenditures has been relatively consistent (Figure 1).

In FY2021, for every dollar of General Funds, Minot State University obtained an additional \$1.88 in Non-general Funds. In FY2020, Minot State University leveraged \$1.84 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Minot State University expenditures for wages and salaries, operations, and capital expenditures. While Minot State University also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Minot State University total expenditures.

Direct effects from General and Non-general Fund expenditures were \$51.1 million in FY2021. Secondary effects (indirect and induced) totaled \$31.9 million. Total direct and secondary effects from Minot State University expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$83.1 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$26.1 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported



additional induced (secondary) effects of \$27.7 million, for total economic effects (direct and secondary) of \$53.8 million (Table 2). Average per student expenditures were \$11,642 (data not shown).

Direct employment at Minot State University in FY2021 was 914 jobs. Business activity associated with Minot State University expenditures supported secondary employment of 202 jobs in FY2021. Student expenditures supported secondary employment of 184 jobs. Total direct and secondary employment associated with Minot State University supported 1,301 jobs in FY2021 (Table 2).

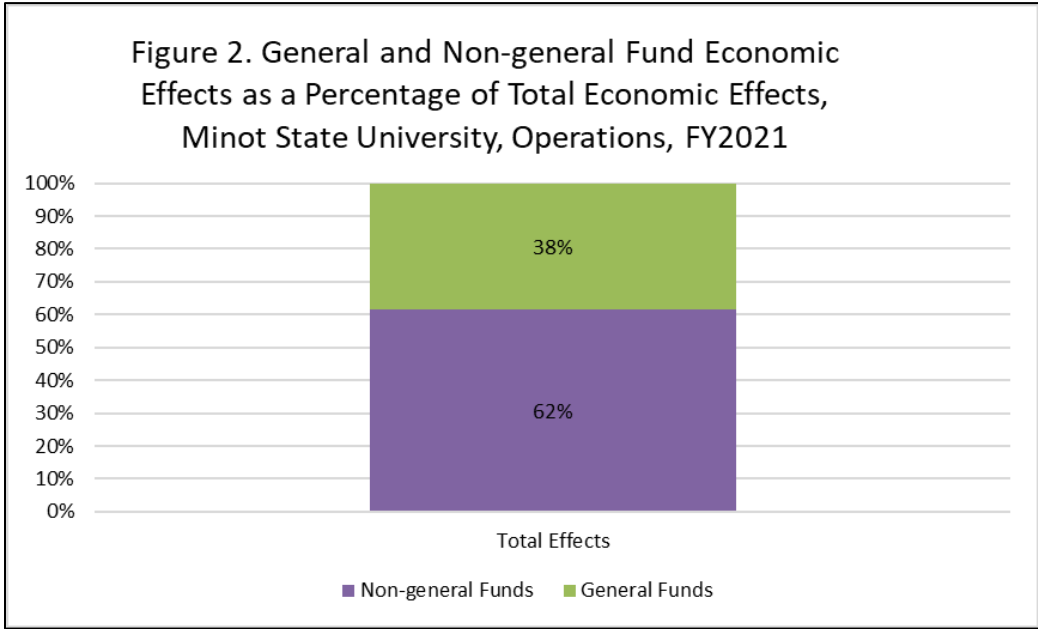
In FY2021, business activity from Minot State University General and Non-general Fund expenditures was estimated to generate about \$661,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$689,000 in state and local tax revenue. Combined, Minot State University operations and student expenditures generated \$1.35million in state and local tax revenue (Table 2).

A substantial portion of total (direct and secondary) economic effects from Minot State University operations in FY2021 was a result of Non-general Fund expenditures. Economic effects from Non-general expenditures in FY2021 comprised 62 percent of Minot State University (direct plus secondary) economic effects (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Minot State University, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	50.4	27.5	77.9
Secondary Effects	33.3	29.2	62.4
Total (direct and secondary) Effects	83.7	56.6	140.3
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	773	n/a	773
Secondary Effects	216	194	410
Total Employment Supported	989	194	1,183
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	682.1	724.8	1,406.8

**Table 2 (cont.) Economic Effects, Minot State University, FY2020 and FY2021**

Economic Metric and Type of Effect	Operations	Student Expenditures	Total
	<b>FY2021</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	51.1	26.1	77.2
Secondary Effects	31.9	27.7	59.7
Total (direct and secondary) Effects	83.1	53.8	136.9
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	914	n/a	914
Secondary Effects	202	184	387
Total Employment Supported	1,116	184	1,301
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	661.0	688.8	1,349.8
<sup>1</sup> Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.			



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Minot State University had expenditures of \$58.0 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$36.1 million, 62 percent of total expenditures.
- Non-general Funds accounted for 65 percent of Minot State University expenditures in FY2021.
- Minot State University leveraged \$1.88 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from Minot State University operations were \$51.1 million. Total (direct and secondary) economic effects were \$83.1 million.
- In FY2021, economic effects of student living expenses resulted in \$26.1 million in direct effects and \$27.7 million in secondary effects, for total direct and secondary effects of \$53.8 million.
- Minot State University student expenditures in FY2021 were estimated to be approximately \$11,642 per student.
- Combined, Minot State University operations and student expenditures (direct effects) in FY2021 were \$77.2 million. Total economic contributions (direct plus secondary) from Minot State operations and student expenditures were \$136.9 million.
- Sixty-two percent of total (direct and secondary) economic effects from Minot State University Operations were a result of Non-general Fund expenditures in FY2021.
- Minot State University in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$1.35 million in state and local tax collections in FY2021.
- Direct employment at Minot State University was 914 jobs in FY2021. Business activity from Minot State University expenditures and spending by students supported secondary employment of 387 jobs. Total direct and secondary employment was 1,301 jobs in FY2021.

## North Dakota State College of Science

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of North Dakota State College of Science using key economic indicators; gross business volume, selected tax revenues, and employment.

### General and Non-general Expenditures

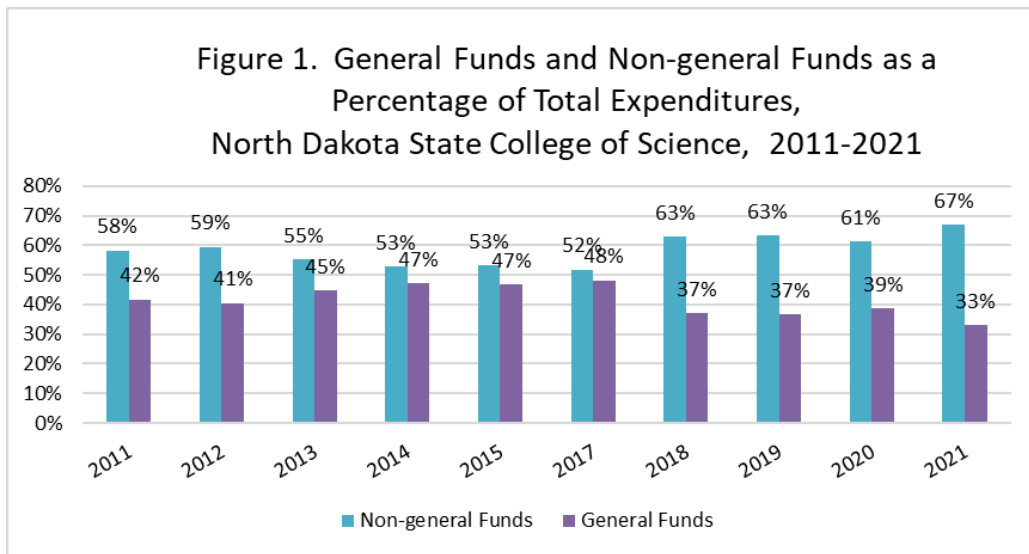
Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$44.9 million and \$53.6 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$27.7 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$19.2 million in FY2021. Scholarships totaled \$4.4 million and Capital Improvements and Equipment totaled \$2.4 million in FY2021 (Table 1).

**Table 1. General and Non-general Expenditures, North Dakota State College of Science, FY2020 and FY2021**

	FY2020	FY2021
	----- million \$-----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	27.4	27.7
Operations	12.0	19.2
Scholarships	4.6	4.4
Capital Expenditures	0.9	2.4
<b>Total</b>	<b>44.9</b>	<b>53.6</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	13.2	13.0
Operations	9.3	16.5
Scholarships	4.3	4.1
Capital Expenditures	0.8	2.3
<b>Total</b>	<b>27.6</b>	<b>35.9</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	14.3	14.7
Operations	2.7	2.7
Scholarships	0.3	0.2
Capital Expenditures	0.1	0.1
<b>Total</b>	<b>17.3</b>	<b>17.7</b>

In FY2021, Non-general Funds made up 67 percent of total North Dakota State College of Science expenditures for operations while General Fund expenditures made up 33 percent. Since FY2018, the share of Non-general Funds as a percentage of total expenditures has been relatively consistent. Prior to 2018, the share of Non-general Funds was lower, ranging from 52 to 59 percent (Figure 1).

In FY2021, for every dollar of General Funds, North Dakota State College of Science obtained an additional \$2.03 in Non-general Funds. In FY2020, North Dakota State College of Science leveraged \$1.59 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from North Dakota State College of Science expenditures for wages and salaries, operations, and capital expenditures. While North Dakota State College of Science also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than North Dakota State College of Science total expenditures.

Direct effects from General and Non-general Fund expenditures were \$49.3 million in FY2021. Secondary effects (indirect and induced) totaled \$35.6 million. Total direct and secondary effects from North Dakota State College of Science expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$84.9 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$24.4 million in

North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$25.9 million, for total economic effects (direct and secondary) of \$50.3 million (Table 2). Average per student expenditures were \$12,022 (data not shown).

Direct employment at North Dakota State College of Science in FY2021 was 619 jobs. Business activity associated with North Dakota State College of Science expenditures supported secondary employment of 226 jobs in FY2021. Student expenditures supported secondary employment of 172 jobs. Total direct and secondary employment associated with North Dakota State College of Science supported 1,017 jobs in FY2021 (Table 2).

In FY2021, business activity from North Dakota State College of Science General and Non-general Fund expenditures was estimated to generate about \$674,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$644,000 in state and local tax revenue. Combined, North Dakota State College of Science operations and student expenditures generated \$1.3 million in state and local tax revenue (Table 2).

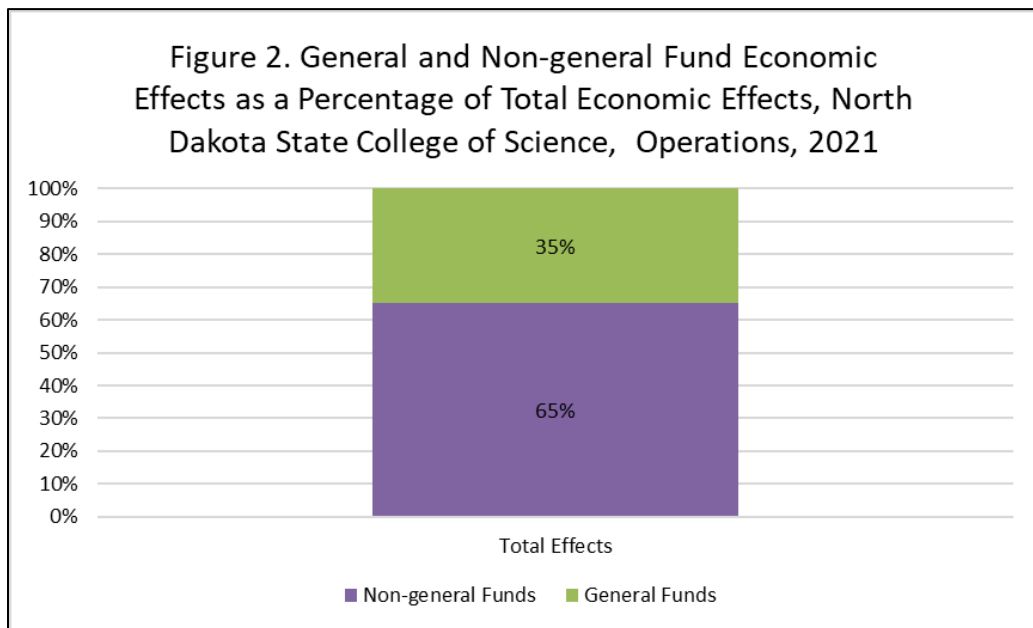
A substantial portion of total (direct and secondary) economic effects from North Dakota State College of Science operations in FY2021 was from Non-general Fund expenditures. Economic effects from Non-general expenditures in FY2021 were 65 percent of North Dakota State College of Science (direct plus secondary) economic effects and 35 percent were from General Funds (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, North Dakota State College of Science, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	40.3	23.3	63.7
Secondary Effects	30.3	24.8	55.0
Total (direct and secondary) Effects	70.6	48.1	118.7
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	612	n/a	612
Secondary Effects	190	165	354
Total Employment Supported	802	165	966
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	607.8	615.9	1,223.7

**Table 2 (cont.) Economic Effects, North Dakota State College of Science, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2021</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	49.3	24.4	73.7
Secondary Effects	35.6	25.9	61.5
Total (direct and secondary) Effects	84.9	50.3	135.2
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	619	n/a	619
Secondary Effects	226	172	398
Total Employment Supported	845	172	1,017
<b>Tax Revenues</b>	----- thousand \$ -----		
<b>Sales, Property, Personal Income, Other</b>	674.2	643.7	1,317.9

<sup>1</sup>Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- North Dakota State College of Science had expenditures of \$53.6 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$27.7 million, 52 percent of total expenditures.
- Non-general Funds accounted for 67 percent of North Dakota State College of Science expenditures in FY2021.
- North Dakota State College of Science leveraged \$2.03 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from North Dakota State College of Science operations were \$49.3 million. Total (direct and secondary) economic effects were \$84.9 million.
- In FY2021, student living expenses resulted in \$24.4 million in direct effects and \$25.9 million in secondary effects, for total direct and secondary effects of \$50.3 million.
- North Dakota State College of Science student expenditures in FY2021 were estimated to be \$12,022 per student.
- Combined, North Dakota State College of Science operations and student expenditures (direct effects) in FY2021 were \$73.7 million. Total economic contribution (direct plus secondary) from operations and student expenditures was \$135.2 million.
- Sixty-five percent of total (direct and secondary) economic effects from North Dakota State College of Science operations were a result of Non-general Fund expenditures in FY2021.
- North Dakota State College of Science in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$1.3 million in state and local tax collections in FY2021.
- Direct employment at North Dakota State College of Science was 619 jobs in FY2021. Business activity from operations and spending by students supported secondary employment of 398 jobs. Total direct and secondary employment was 1,017 in FY2021.



## North Dakota State University

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of North Dakota State University using key economic indicators; gross business volume, selected tax revenues, and employment.

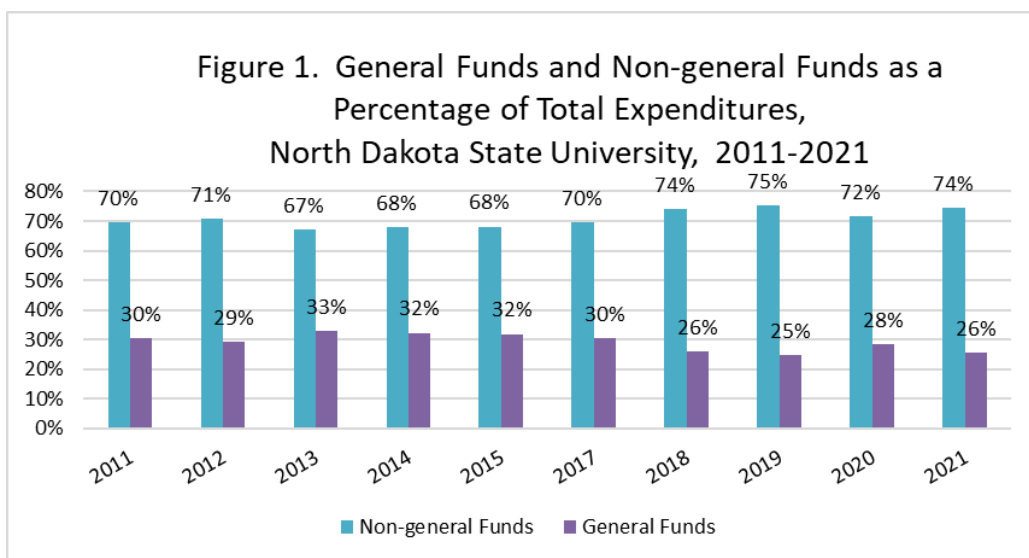
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$470.6 million and \$538.4 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$284.7 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$170.9 million in FY2021. Scholarships totaled \$29.2 million and Capital Improvements and Equipment totaled \$53.5 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, North Dakota State University, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$ -----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	275.8	284.7
Operations	142.0	170.9
Scholarships	30.7	29.2
Capital Expenditures	22.2	53.5
<b>Total</b>	<b>470.6</b>	<b>538.4</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	174.4	181.1
Operations	119.5	148.1
Scholarships	26.8	25.7
Capital Expenditures	16.5	46.0
<b>Total</b>	<b>337.3</b>	<b>400.8</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	101.4	103.7
Operations	22.4	22.9
Scholarships	3.8	3.5
Capital Expenditures	5.6	7.6
<b>Total</b>	<b>133.3</b>	<b>137.6</b>

In FY2021, Non-general Funds made up 74 percent of total North Dakota State University expenditures for operations while General Fund expenditures made up 26 percent. Since FY2018, the share of Non-general Funds as a percentage of total expenditures has been relatively consistent (Figure 1). Prior to 2018, General Fund expenditures made up a slightly higher percentage of total expenditures ranging from 29 to 33 percent.

In FY2021, for every dollar of General Funds, North Dakota State University obtained an additional \$2.91 in Non-general Funds. In FY2020, North Dakota State University leveraged \$2.53 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from North Dakota State University expenditures for wages and salaries, operations, and capital expenditures. While North Dakota State University also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than North Dakota State University total expenditures.

Direct effects from General and Non-general Fund expenditures were \$509.2 million in FY2021. Secondary effects (indirect and induced) totaled \$426 million. Total direct and secondary effects from North Dakota State University expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$935.2 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$149.0 million in

North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$158.3 million, for total economic effects (direct and secondary) of \$307.3 million (Table 2). Average per student expenditures were \$13,723 (data not shown).

Direct employment at North Dakota State University in FY2021 was 4,819 jobs. Business activity associated with North Dakota State University expenditures supported secondary employment of 2,649 jobs in FY2021. Student expenditures supported secondary employment of 1,053 jobs. Total direct and secondary employment associated with North Dakota State University supported 8,521 jobs in FY2021 (Table 2).

In FY2021, business activity from North Dakota State University General and Non-general Fund expenditures was estimated to generate about \$7.9 million in revenue to state and local government jurisdictions. Student spending generated an additional \$3.9 million in state and local tax revenue. Combined, North Dakota State University operations and student expenditures generated \$11.9 million in state and local tax revenue (Table 2).

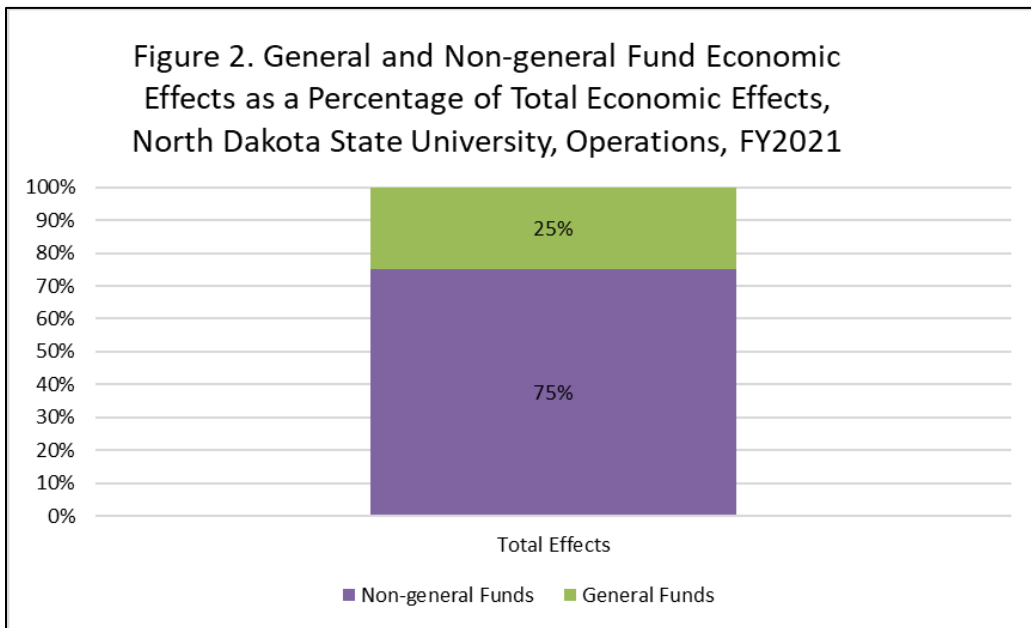
A substantial portion of total (direct and secondary) economic effects from North Dakota State University operations in FY2021 was from Non-general Fund expenditures. Economic effects from Non-general expenditures in FY2021 were 75 percent of North Dakota State University (direct plus secondary) economic effects and 25 percent were from General Funds (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, North Dakota State University, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	440.0	155.1	595.0
Secondary Effects	344.3	164.7	509.0
Total (direct and secondary) Effects	784.3	319.7	1,104.0
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	4,495	n/a	4,495
Secondary Effects	2,160	1,095	3,255
Total Employment Supported	7,155	1,095	8,250
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	6,809.4	4,091.8	10,901.3

**Table 2 (cont.) Economic Effects, North Dakota State University, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
<b>FY2021</b>			
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	509.2	149.0	658.2
Secondary Effects	426.0	158.3	584.3
Total (direct and secondary) Effects	935.2	307.3	1,242.5
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	4,819	n/a	4,819
Secondary Effects	2,649	1,053	3,702
Total Employment Supported	7,468	1,053	8,521
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	7,990.4	3,933.0	11,923.4

<sup>1</sup>Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- North Dakota State University had expenditures of \$538.4 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$284.7 million, 53 percent of total expenditures.
- Non-general Funds accounted for 74 percent of North Dakota State University expenditures in FY2021.
- North Dakota State University leveraged \$2.91 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from North Dakota State University operations were \$509.2 million. Total (direct and secondary) economic effects were \$935.2 million.
- In FY2021, economic effects of student living expenses resulted in \$149.0 million in direct effects and \$158.3 million in secondary effects, for total direct and secondary effects of \$307.3 million.
- North Dakota State University student expenditures in FY2021 were estimated to be approximately \$13,723 per student.
- Combined, North Dakota State University operations and student expenditures (direct effects) in FY2021 was \$658.2 million. Total economic contribution (direct plus secondary) from NDSU operations and student expenditures was \$1.24 billion.
- Seventy-five percent of total (direct and secondary) economic effects from North Dakota State University operations were a result of Non-general Fund expenditures.
- North Dakota State University in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$11.9 million in state and local tax collections.
- Direct employment at North Dakota State University was 4,819 jobs in FY2021. Business activity from North Dakota State University expenditures and spending by students supported secondary employment of 3,702 jobs. Total direct and secondary employment was 8,521 jobs in FY2021.

## University of North Dakota

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of University of North Dakota using key economic indicators; gross business volume, selected tax revenues, and employment.

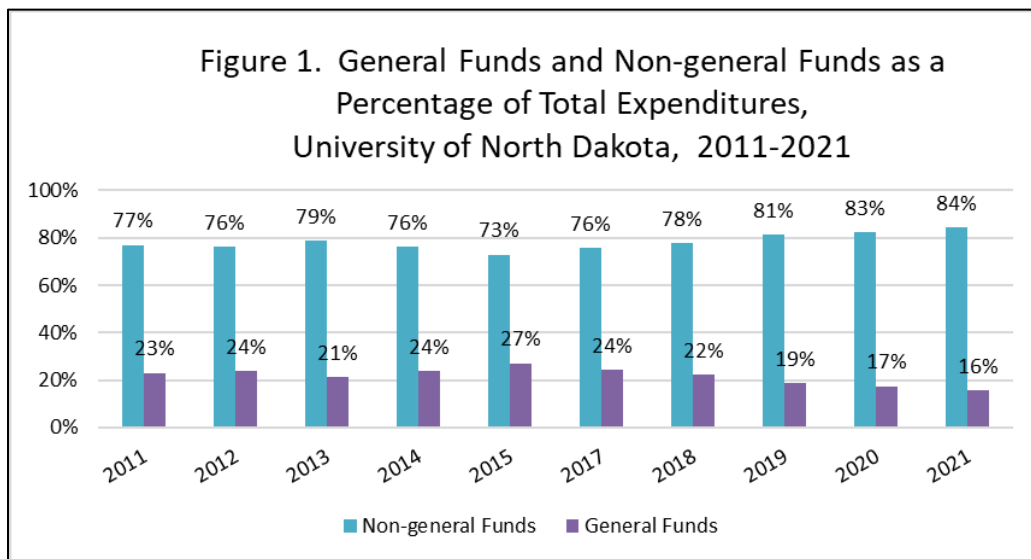
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$595.8 million and \$659.6 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$306.6 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$227.2 million in FY2021. Scholarships totaled \$33.9 million and Capital Improvements and Equipment totaled \$91.9 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, University of North Dakota, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$ -----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	293.4	306.6
Operations	188.6	227.2
Scholarships	33.1	33.9
Capital Expenditures	80.7	91.9
<b>Total</b>	<b>595.8</b>	<b>659.6</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	224.3	239.9
Operations	165.8	209.2
Scholarships	30.6	31.0
Capital Expenditures	71.1	76.5
<b>Total</b>	<b>491.7</b>	<b>556.7</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	69.1	66.7
Operations	22.8	18.0
Scholarships	2.5	2.9
Capital Expenditures	9.6	15.4
<b>Total</b>	<b>104.1</b>	<b>102.9</b>

In FY2021, Non-general Funds made up 84 percent of total University of North Dakota expenditures for operations while General Fund expenditures made up 16 percent. Since FY2015, the share of Non-general Funds as a percentage of total expenditures has increased from 73 to 84 percent in FY2021 (Figure 1).

In FY2021, for every dollar of General Funds, University of North Dakota obtained an additional \$5.41 in Non-general Funds. In FY2020, University of North Dakota leveraged \$4.73 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from University of North Dakota expenditures for wages and salaries, operations, and capital expenditures. While the University of North Dakota also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than University of North Dakota total expenditures.

Direct effects from General and Non-general Fund expenditures were \$625.8 million in FY2021. Secondary effects (indirect and induced) totaled \$542.8 million. Total direct and secondary effects from University of North Dakota expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$1.17 billion in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$148.8 million in

North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$158.0 million, for total economic effects (direct and secondary) of \$306.8 million (Table 2). Average per student expenditures were \$13,723 (data not shown).

Direct employment at University of North Dakota in FY2021 was 4,993 jobs. Business activity associated with University of North Dakota expenditures supported secondary employment of 3,612 jobs in FY2021. Student expenditures supported secondary employment of 1,051 jobs. Total direct and secondary employment associated with University of North Dakota supported 9,656 jobs in FY2021 (Table 2).

In FY2021, business activity from University of North Dakota General and Non-general Fund expenditures was estimated to generate about \$9.8million in revenue to state and local government jurisdictions. Student spending generated an additional \$3.9 million in state and local tax revenue. Combined, University of North Dakota operations and student expenditures generated \$13.7 million in state and local tax revenue (Table 2).

A substantial portion of total (direct and secondary) economic effects from University of North Dakota operations in FY2021 was from Non-general Fund expenditures. Economic effects from Non-general expenditures in FY2021 were 84 percent of University of North Dakota (direct plus secondary) economic effects and 16 percent were from General Funds (Figure 2).

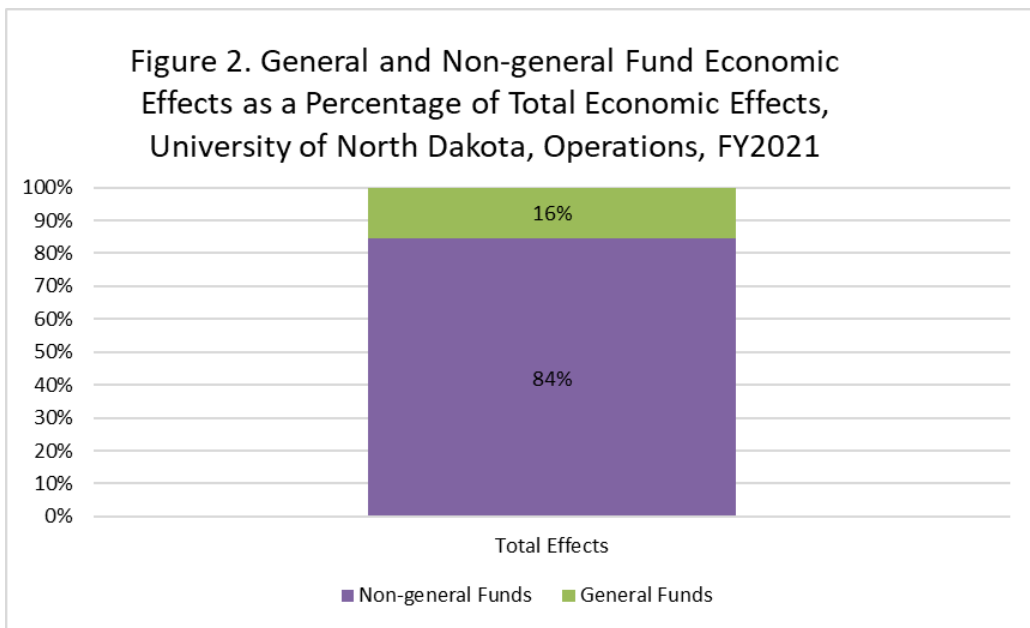
<b>Table 2. Economic Effects, Operations and Student Expenditures, University of North Dakota, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	562.7	150.7	713.4
Secondary Effects	485.7	160.0	645.7
Total (direct and secondary) Effects	1,048.4	310.7	1,359.0
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	4,947	n/a	4,947
Secondary Effects	3,155	1,064	4,219
Total Employment Supported	8,102	1,064	9,166
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	9,004.7	3,975.8	12,980.5



**Table 2 (cont.) Economic Effects, University of North Dakota, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
<b>FY2021</b>			
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	625.8	148.8	774.5
Secondary Effects	542.8	158.0	700.8
Total (direct and secondary) Effects	1,168.6	306.8	1,475.4
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	4,993	n/a	4,993
Secondary Effects	3,612	1,051	4,663
Total Employment Supported	8,605	1,051	9,656
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	9,809.8	3,926.1	13,735.9

<sup>1</sup>Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- University of North Dakota had expenditures of \$659.6 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$306.6 million, 46 percent of total expenditures.
- Non-general Funds accounted for 84 percent of University of North Dakota expenditures in FY2021.
- University of North Dakota leveraged \$5.41 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from University of North Dakota operations were \$625.8 million. Total (direct and secondary) economic effects were \$1.17 billion.
- In FY2021, economic effects of student living expenses resulted in \$148.8 million in direct effects and \$158.0 million in secondary effects, for total direct and secondary effects of \$306.8 million.
- University of North Dakota student expenditures in FY2021 were estimated to be approximately \$13,723 per student.
- Combined, University of North Dakota operations and student expenditures (direct effects) in FY2021 was \$774.5 million. Total economic contribution (direct plus secondary) from UND operations and student expenditures was \$1.48 billion.
- Eight-four percent total (direct and secondary) economic effects from University of North Dakota Operations were a result of Non-general Fund expenditures.
- University of North Dakota in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$13.7 million in state and local tax collections.
- Direct employment at University of North Dakota was 4,993 jobs in FY2021. Business activity from University of North Dakota expenditures and spending by students supported secondary employment of 4,663 jobs. Total direct and secondary employment was 9,656 jobs in FY2021.

## Valley City State University

Each of the state’s college campuses is an important component of that area’s local economy. This summary highlights the economic contribution of Valley City State University using key economic indicators; gross business volume, selected tax revenues, and employment.

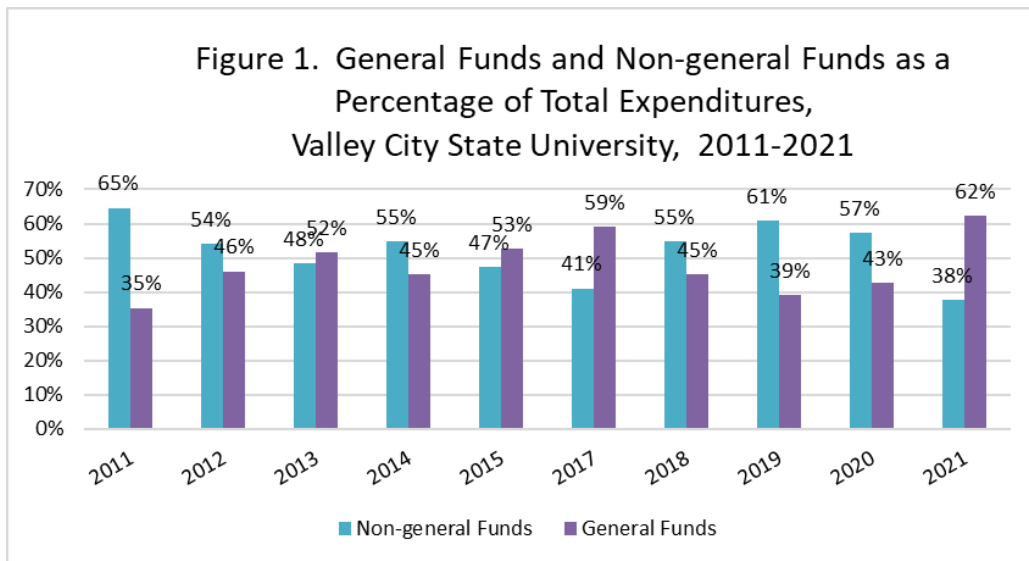
### General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$31.5 million and \$44.8 million, respectively (Table 1). Capital Improvements and Equipment expenditures were the largest expenditure category in FY2021, totaling \$17.5 million in FY2021. Wages, salaries, and benefits were the next largest expenditure category, totaling \$17.2 million in FY2021. Operating expenditures totaled \$6.8 million and Scholarships totaled \$3.2 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, Valley City State University, FY2020 and FY2021		
	FY2020	FY2021
	----- million \$ -----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	16.8	17.2
Operations	9.1	6.8
Scholarships	3.3	3.2
Capital Expenditures	2.3	17.5
<b>Total</b>	<b>31.5</b>	<b>44.8</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	8.3	8.6
Operations	5.9	4.9
Scholarships	3.2	3.1
Capital Expenditures	0.7	0.3
<b>Total</b>	<b>18.0</b>	<b>16.9</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	8.5	8.7
Operations	3.2	1.9
Scholarships	0.1	0.1
Capital Expenditures	1.6	17.2
<b>Total</b>	<b>13.5</b>	<b>27.8</b>

In FY2021, General Funds made up 62 percent of total Valley City State University expenditures for operations while Non-general Fund expenditures made up 38 percent. Historically, Non-general Funds as a percentage of total expenditures are generally greater than General Funds expenditures. This shift in distribution was a result of substantial General Fund expenditures for capital improvements. Occasional appropriated expenditures for capital improvements can influence that distribution from year to year (Figure 1).

In FY2021, for every dollar of General Funds, Valley City State University obtained an additional \$0.61 in Non-general Funds. In FY2020, Valley City State University leveraged \$1.34 from external sources for every dollar of appropriated funds. In FY2021, Valley City State University had substantial General Fund dollars for Capital Improvement reducing the ratio. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Valley City State University expenditures for wages and salaries, operations, and capital expenditures. While Valley City State University also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Valley City State University total expenditures.

Direct effects from General and Non-general Fund expenditures were \$41.5 million in FY2021. Secondary effects (indirect and induced) totaled \$44.5 million. Total direct and secondary effects from Valley City State University expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$86.1 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$13.6 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$14.4 million, for total economic effects (direct and secondary) of \$28.0 million (Table 2). Average per student expenditures were \$12,435 (data not shown).

Direct employment at Valley City State University in FY2021 was 364 jobs. Business activity associated with Valley City State University expenditures supported secondary employment of 311 jobs in FY2021. Student expenditures supported secondary employment of 96 jobs. Total direct and secondary employment associated with Valley City State University supported 770 jobs in FY2021 (Table 2).

In FY2021, business activity from Valley City State University General and Non-general Fund expenditures was estimated to generate about \$756,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$358,000 in state and local tax revenue. Combined, Valley City State University operations and student expenditures generated \$1.1 million in state and local tax revenue (Table 2).

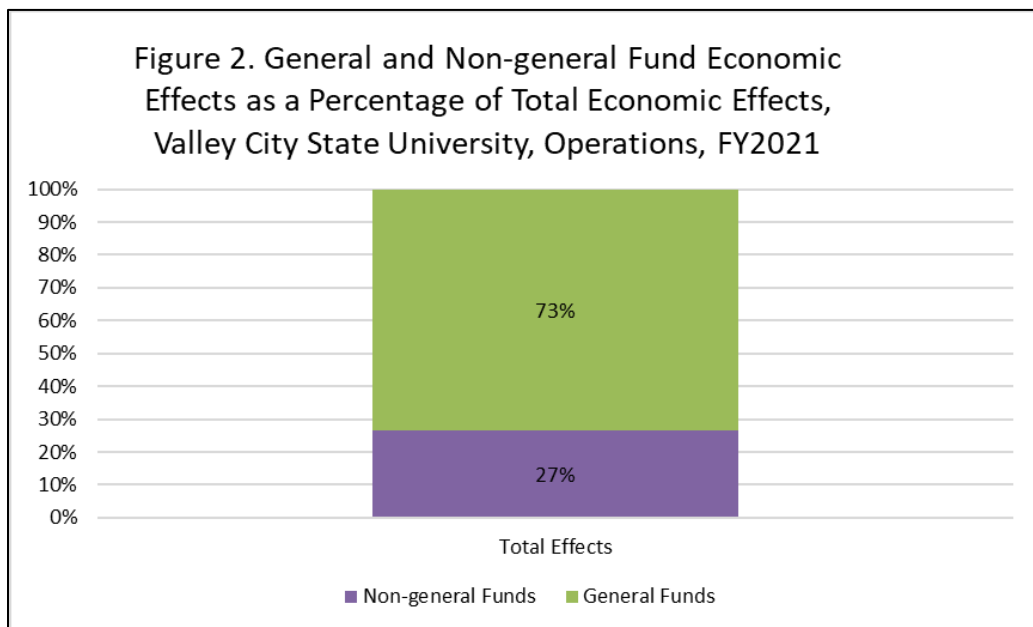
A substantial portion of total (direct and secondary) economic effects from Valley City State University operations in FY2021 was from General Fund expenditures. Economic effects from General expenditures in FY2021 were 73 percent of Valley City State University (direct plus secondary) economic effects and 27 percent were from Non-general Funds (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Valley City State University, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	28.2	13.9	42.0
Secondary Effects	21.9	14.8	36.7
Total (direct and secondary) Effects	50.1	28.7	78.7
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	254	n/a	254
Secondary Effects	147	98	245
Total Employment Supported	401	98	499
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	428.2	367.2	795.4

**Table 2 (cont.) Economic Effects, Valley City State University, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
<b>FY2021</b>			
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	41.5	13.6	55.1
Secondary Effects	44.5	14.4	58.9
Total (direct and secondary) Effects	86.1	28.0	114.0
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	364	n/a	364
Secondary Effects	311	96	406
Total Employment Supported	675	96	770
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	756.2	357.7	1,113.9

<sup>1</sup>Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Valley City State University had expenditures of \$44.8 million for operational goods and services in North Dakota in FY2021.
- Capital Expenditures represent the largest itemized expenditure in FY2021, \$17.5 million, 39 percent of total expenditures.
- General Funds accounted for 62 percent of Valley City State University expenditures in FY2021.
- Valley City State University leveraged \$0.61 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from Valley City State University operations were \$41.5 million. Total (direct and secondary) economic effects were \$86.1 million.
- In FY2021, student living expenses resulted in \$13.6 million in direct effects and \$14.4 million in secondary effects, for total direct and secondary effects of \$28.0 million.
- Valley City State University student expenditures in FY2021 were estimated to be approximately \$12,435 per student.
- Combined, Valley City State University operations and student expenditures (direct effects) in FY2021 was \$55.1 million. Total economic contribution (direct plus secondary) from Valley City University operations and student expenditures was \$114.0 million.
- Seventy-three percent total (direct and secondary) economic effects from Valley City State University operations were a result of General Fund expenditures in FY2021.
- Valley City State University in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$1.1 million in state tax collections.
- Direct employment at Valley City State University was 364 jobs in FY2021. Business activity from Valley City State University expenditures and spending by students supported secondary employment of 406 jobs. Total direct and secondary employment was 770 jobs in FY2021.

## Williston State College

Each of the state’s college campuses is an important component of that area’s local economy. This summary highlights the economic contribution of Williston State College using key economic indicators; gross business volume, selected tax revenues, and employment.

### General and Non-general Operations Expenditures

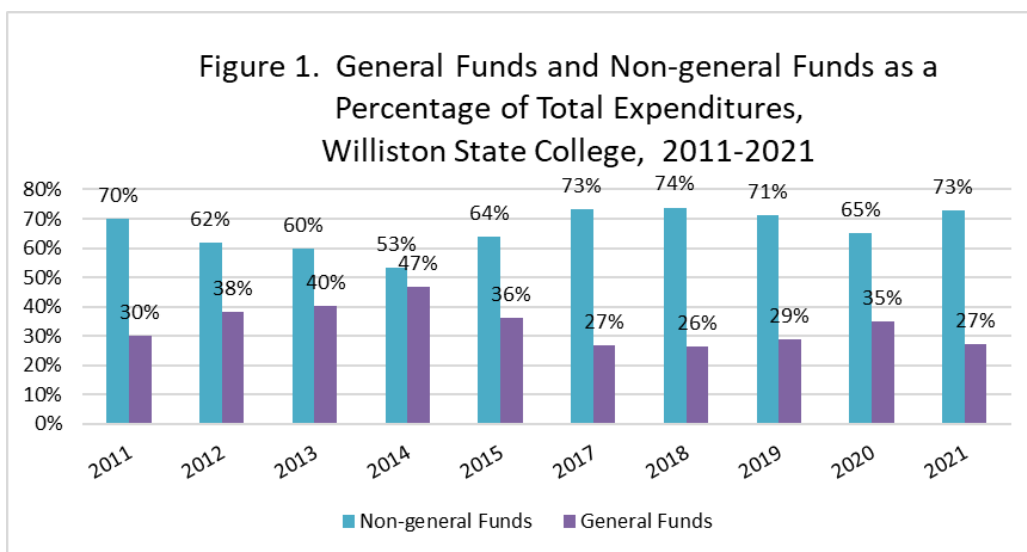
Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$24.9 million and \$23.8 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$9.4 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$6.0 million in FY2021. Scholarships totaled \$3.8 million and Capital Improvements and Equipment totaled \$4.6 million in FY2021 (Table 1).

<b>Table 1. General and Non-General Expenditures, Williston State College, FY2020 and FY2021</b>		
	<b>FY2020</b>	<b>FY2021</b>
	----- million \$-----	
<b>General and Non-general Fund Expenditures</b>		
Wages and Salaries and Benefits	9.9	9.4
Operations	5.6	6.0
Scholarships	4.1	3.8
Capital Expenditures	5.3	4.6
<b>Total</b>	<b>24.9</b>	<b>23.8</b>
<b>Non-General Fund Expenditures</b>		
Wages and Salaries and Benefits	4.3	4.2
Operations	4.4	4.9
Scholarships	4.0	3.7
Capital Expenditures	3.6	4.5
<b>Total</b>	<b>16.2</b>	<b>17.3</b>
<b>General Fund Expenditures</b>		
Wages and Salaries and Benefits	5.6	5.2
Operations	1.3	1.1
Scholarships	0.1	0.1
Capital Expenditures	1.7	0.1
<b>Total</b>	<b>8.7</b>	<b>6.5</b>



In FY2021, Non-general Funds made up 73 percent of total Williston State College expenditures for operations while General Fund expenditures made up 27 percent. Since 2011, the share of Non-general Funds as a percentage of total expenditures has varied from 53 to 74 percent (Figure 1).

In FY2021, for every dollar of General Funds, Williston State College obtained an additional \$2.67 in Non-general Funds. In FY2020 Williston State College leveraged \$1.85 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund expenditures).



### Direct and Secondary Economic Effects

Direct or first round economic effects are from Williston State College expenditures for wages and salaries, operations, and capital expenditures. While Williston State College also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than Williston State College total expenditures.

Direct effects from General and Non-general Fund expenditures were \$19.9 million in FY2021. Secondary effects (indirect and induced) totaled \$16.3 million. Total direct and secondary effects from Williston State College expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$36.2 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$8.1 million in North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported

additional induced (secondary) effects of \$8.6 million, for total economic effects (direct and secondary) of \$16.7 million (Table 2). Average per student expenditures were \$12,122 (data not shown).

Direct employment at Williston State College in FY2021 was 148 jobs. Business activity associated with Williston State College expenditures supported secondary employment of 109 jobs in FY2021. Student expenditures supported secondary employment of 57 jobs. Total direct and secondary employment associated with Williston State College supported 314 jobs in FY2021 (Table 2).

In FY2021, business activity from Williston State College General and Non-general Fund expenditures was estimated to generate about \$287,000 in revenue to state and local government jurisdictions. Student spending generated an additional \$214,000 in state and local tax revenue. Combined, Williston State College operations and student expenditures generated \$500,000 in state and local tax revenue (Table 2).

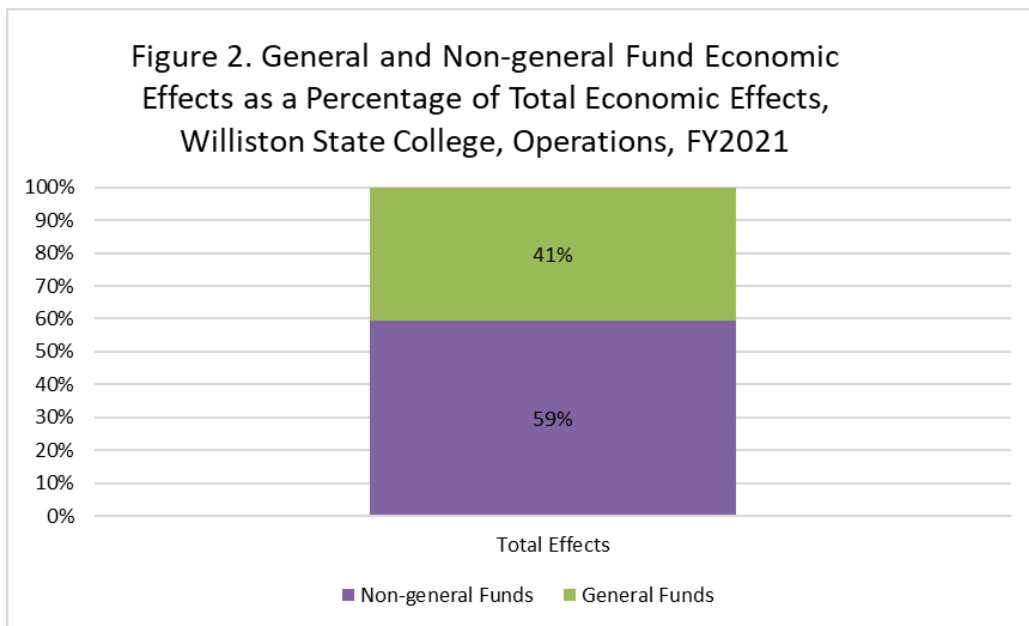
A substantial portion of total (direct and secondary) economic effects from Williston State College operations in FY2021 was from Non-general Fund expenditures. Economic effects from Non-general Fund expenditures in FY2021 were 59 percent of Williston State College (direct plus secondary) economic effects and 41 percent were from General Funds (Figure 2).

<b>Table 2. Economic Effects, Operations and Student Expenditures, Williston State College, FY2020 and FY2021</b>			
<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
	<b>FY2020</b>		
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	20.8	8.2	29.0
Secondary Effects	18.5	8.7	27.2
Total (direct and secondary) Effects	39.3	16.9	56.2
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	158	n/a	158
Secondary Effects	125	58	183
Total Employment Supported	283	58	341
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	322.3	216.2	538.5

**Table 2 (cont.) Economic Effects, Williston State College, FY2020 and FY2021**

<b>Economic Metric and Type of Effect</b>	<b>Operations</b>	<b>Student Expenditures</b>	<b>Total</b>
<b>FY2021</b>			
<b>Business Volume (output)</b>	----- million \$ -----		
Direct Effect	19.9	8.1	28.0
Secondary Effects	16.3	8.6	24.9
Total (direct and secondary) Effects	36.2	16.7	52.9
<b>Employment</b>	----- jobs -----		
Direct Effect (college employees)	148	n/a	148
Secondary Effects	109	57	166
Total Employment Supported	257	57	314
<b>Tax Revenues</b>	----- thousand \$ -----		
Sales, Property, Personal Income, Other	286.7	213.7	500.4

<sup>1</sup>Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



## Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wages and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- Williston State College had expenditures of \$23.8 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$9.4 million, 39 percent of total expenditures.
- Non-general Funds accounted for 73 percent of Williston State College expenditures in FY2021.
- Williston State College leveraged \$2.67 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from Williston State College operations were \$19.9 million. Total (direct and secondary) economic effects were \$36.2 million.
- In FY2021, economic effects of student living expenses resulted in \$8.1 million in direct effects and \$8.6 million in secondary effects, for total direct and secondary effects of \$16.7 million.
- Williston State College student expenditures in FY2021 were estimated to be approximately \$12,122 per student.
- Combined, Williston State College operations and student expenditures (direct effects) in FY2021 were \$28.0 million. Total economic contribution (direct plus secondary) from Williston State College operations and student expenditures was \$52.9 million.
- Fifty-nine percent total (direct and secondary) economic effects from Williston State College operations were a result of Non-general Fund expenditures in FY2021.
- Williston State College in-state expenditures, student expenditures, and secondary business activity was estimated to generate \$500,000 in state and local tax collections in FY2021.
- Direct employment at Williston State College was 148 jobs in FY2021. Business activity from Williston State College expenditures and spending by students supported secondary employment of 166 jobs. Total direct and secondary employment was 314 jobs in FY2021.

## **Appendix B**

### **Operations Expenditures**

**Appendix Table B1. Operations Expenditures, General and Non-general Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 1999 to 2010 (Current Year Dollars)**

Operating Expenditures	FY1999	FY2004	FY2006	FY2008	FY2009	FY2010
	-----\$000s-----					
Wages and Salaries	225,512	318,838	352,778	374,053	404,743	483,270
Fringe Benefits	55,809	85,718	98,123	111,650	119,436	146,814
Travel	14,102	21,194	23,136	26,684	26,731	28,957
Data Processing	4,324	7,625	13,297	16,510	14,633	15,712
Fees	22,565	38,891	28,657	36,487	33,956	37,685
Utilities	12,054	15,780	18,173	22,562	23,606	25,091
Communications	11,284	11,050	8,057	8,340	8,494	8,734
Insurance	1,832	3,426	3,464	3,224	4,704	3,342
Rents and Fees	10,416	14,809	9,013	10,642	14,127	13,979
Office	15,372	20,968	10,526	10,884	10,564	9,862
Supplies	9,626	17,330	19,512	21,731	23,132	21,723
Instructional	5,677	7,155	16,916	20,868	21,567	25,673
Noncapital Equipment	1,777	2,981	6,441	7,114	7,345	7,125
Merchandise for Resale	34,696	32,785	37,858	41,861	47,752	45,080
Repairs	24,631	20,064	21,382	25,325	27,999	26,978
Scholarships, etc.	40,160	62,774	69,979	80,165	86,654	122,884
General	10,088	24,841	49,004	57,199	64,444	65,754
Capital Equipment	6,468	4,793	2,300	19,754	6,396	5,579
Recovery of Expenses	--	-11,945	--	--	--	--
Capital Improvements	26,529	62,243	39,488	45,246	34,084	71,095
<b>Total</b>	<b>532,922</b>	<b>761,320</b>	<b>828,104</b>	<b>940,298</b>	<b>980,365</b>	<b>1,165,339</b>

**Appendix Table B2. Operations Expenditures, Non-general Funds, North Dakota University System, by Budget Category, Selected Fiscal Years 1999 to 2010 (Current Year Dollars)**

<b>Operating Expenditures</b>	<b>FY1999</b>	<b>FY2004</b>	<b>FY2006</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>
	-----\$000s-----					
Wages and Salaries	116,454	194,399	236,265	246,481	266,414	320,013
Fringe Benefits	28,161	50,243	64,446	72,168	77,229	95,084
Travel	10,839	17,170	19,323	22,177	22,202	24,277
Data Processing	2,546	5,676	11,096	11,884	11,215	10,674
Fees	17,013	34,267	26,893	33,329	30,741	31,528
Utilities	4,195	6,975	9,893	12,580	13,359	14,365
Communications	7,683	7,991	6,227	6,326	6,366	5,396
Insurance	1,063	2,144	2,320	2,326	3,618	2,477
Rents and Fees	7,595	13,062	7,684	9,630	12,944	12,174
Office	9,104	15,269	7,883	8,271	7,848	7,393
Supplies	8,055	14,805	16,136	18,320	18,936	17,773
Instructional	2,654	4,349	12,645	16,103	16,612	20,244
Noncapital Equipment	1,122	2,159	5,401	5,895	6,039	5,699
Merchandise for Resale	31,704	32,784	37,857	41,860	47,750	45,080
Repairs	16,660	14,861	16,999	19,124	20,380	20,587
Scholarships, etc.	38,495	58,787	55,133	61,670	67,613	92,792
General	6,904	18,312	42,095	47,763	53,137	53,932
Capital Equipment	1,847	1,789	1,238	17,351	4,302	3,550
Recovery of Expenses	--	-11,945	--	--	--	--
Capital Improvements	20,807	51,846	34,266	36,201	19,124	33,881
<b>Total</b>	<b>332,901</b>	<b>534,943</b>	<b>613,800</b>	<b>689,459</b>	<b>705,829</b>	<b>816,920</b>

**Appendix Table B3. Operations Expenditures, General and Non-general Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 1999 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSUS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	7,624,362	5,633,759	2,692,858	3,933,608	13,780,777	1,764,651	11,405,658	75,085,567	95,234,284	5,327,108	2,242,611	786,569	225,511,812
Fringe Benefits	1,856,496	1,565,445	666,554	1,066,327	3,437,860	495,309	3,072,878	18,312,018	23,233,796	1,350,183	564,791	187,594	55,809,251
Travel	311,741	480,363	156,701	200,885	618,289	113,737	550,371	6,096,115	5,032,178	321,503	152,614	67,862	14,102,359
Data Processing	109,895	67,030	53,900	118,989	114,529	29,096	243,785	1,661,310	1,438,529	427,223	36,587	23,224	4,324,097
Fees	474,420	1,007,687	196,013	567,687	1,122,676	328,649	348,983	7,324,642	10,117,064	780,895	167,540	128,377	22,564,633
Utilities	481,565	491,370	153,525	292,695	753,189	125,291	879,757	4,218,318	4,212,632	335,987	109,544		12,053,873
Communications	255,922	329,546	71,433	165,643	309,983	86,548	782,556	3,949,782	4,810,922	458,170	47,554	16,156	11,284,215
Insurance	25,700	30,186	13,557	28,265	54,362	10,103	101,902	376,748	1,151,895	29,875	8,677	150	1,831,420
Rents & Leases	246,088	8,893	13,864	704,269	225,896	9,161	241,281	3,190,017	5,346,155	363,580	65,985	948	10,416,137
Office	338,831	299,072	104,844	124,504	439,558	89,197	397,234	10,293,392	2,987,251	165,460	66,624	66,404	15,372,371
Supplies	721,042	293,069	79,952	190,024	510,459	111,104	435,808		6,841,298	202,164	225,201	15,330	9,625,451
Instructional	434,916	232,240	125,997	141,806	475,758	63,520	1,023,268		2,641,202	241,489	116,367	180,809	5,677,372
Noncap Equipment			45,028	90,488	316,079	19,110	210,160	889,989		194,601	1,225	9,944	1,776,624
Merch for Resale	906,895	400,876	335,963	292,487		101,176	2,007,713	11,533,334	18,428,685	282,908	406,173		34,696,210
Repairs	308,845	595,803	85,007	194,265	428,991	29,747	942,152	4,650,159	17,067,743	199,955	123,402	4,966	24,631,035
Scholarships etc.	1,938,131	1,965,302	940,073	838,810	2,959,876	707,881	2,572,791	9,964,304	12,793,931	1,299,853	1,096,413	3,082,734	40,160,099
General	435,588	230,959	128,197	125,127	456,290	144,343	1,413,991	2,777,946	2,452,843	208,580	165,224	1,549,000	10,088,088
Capital Equipment	525,987	437,571	161,197	140,197	707,930	105,248	870,754	1,731,519	1,275,680	326,479	185,369		6,467,931
Capital Improvement	916,398	869,272	722,973	209,806	3,375,092	241,840	3,066,092	5,580,589	10,342,136	841,460	363,440		26,529,098
Recovery of Exp													
<b>TOTAL</b>	<b>17,912,822</b>	<b>14,938,443</b>	<b>6,747,636</b>	<b>9,425,882</b>	<b>30,087,594</b>	<b>4,575,711</b>	<b>30,567,134</b>	<b>167,635,749</b>	<b>225,408,224</b>	<b>13,357,473</b>	<b>6,145,341</b>	<b>6,120,067</b>	<b>532,922,076</b>
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSUS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	916,398	869,272	722,973	209,806	3,375,092	241,840	3,066,092	5,580,589	10,342,136	841,460	363,440	0	26,529,098
Comm & Pub Util	737,487	820,916	224,958	458,338	1,063,172	211,839	1,662,313	8,168,100	9,023,554	794,157	157,098	16,156	23,338,088
Retail Trade	2,927,671	1,662,828	852,981	979,506	2,449,784	489,355	4,944,937	24,448,234	32,174,116	1,413,101	1,000,959	272,487	73,615,959
FIRE	2,128,284	1,604,524	693,975	1,798,861	3,718,118	514,573	3,416,061	21,878,783	29,731,846	1,743,638	639,453	188,692	68,056,808
Bus & Pers Ser	1,640,489	2,381,842	619,818	1,206,953	2,740,775	645,572	3,499,282	22,510,172	36,108,357	1,938,156	645,367	1,773,429	75,710,212
Households	9,562,493	7,599,061	3,632,931	4,772,418	16,740,653	2,472,532	13,978,449	85,049,871	108,028,215	6,626,961	3,339,024	3,869,303	265,671,911
<b>TOTAL</b>	<b>17,912,822</b>	<b>14,938,443</b>	<b>6,747,636</b>	<b>9,425,882</b>	<b>30,087,594</b>	<b>4,575,711</b>	<b>30,567,134</b>	<b>167,635,749</b>	<b>225,408,224</b>	<b>13,357,473</b>	<b>6,145,341</b>	<b>6,120,067</b>	<b>532,922,076</b>



**Appendix Table B4. Operations Expenditures, General and Non-general Funds, North Dakota State University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2004 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	10,677,953	8,449,508	3,875,177	5,107,680	18,289,339	2,071,683	13,102,386	108,330,752	138,411,786	6,200,614	3,181,196	1,140,167	318,838,241
Fringe Benefits	3,075,352	2,227,221	1,104,810	1,748,436	5,064,750	684,626	4,044,488	28,633,198	35,890,600	1,979,661	969,707	294,735	85,717,584
Travel	528,006	897,347	230,405	343,727	1,066,284	133,337	682,995	8,740,074	7,964,347	299,950	225,241	81,876	21,193,589
Data Processing	175,041	168,212	74,382	139,673	277,341	44,941	205,964	3,573,584	2,476,813	438,545	32,761	18,225	7,625,482
Fees	1,937,574	1,519,806	565,394	17,311	1,894,896	400,357	976,164	14,816,581	15,756,380	73,682	417,180	516,118	38,891,443
Utilities	513,452	704,119	251,062	354,274	865,867	153,410	1,064,866	5,849,285	5,510,969	330,980	181,683		15,779,967
Communications	195,012	265,110	81,955	73,800	400,092	87,587	772,948	4,335,990	4,402,881	340,817	74,100	20,141	11,050,433
Insurance	85,849	77,046	35,117	52,517	105,135	21,761	111,411	762,310	2,085,877	62,215	23,396	2,933	3,425,567
Rents & Leases	522,825	246,343	37,246	56,662	99,326	49,545	221,126	3,466,018	9,449,143	594,423	52,256	13,923	14,808,836
Office	485,438	617,193	112,590	235,539	507,815	129,328	540,853	14,203,920	3,728,638	212,103	119,034	75,807	20,968,258
Supplies	422,027	496,188	86,098	283,568	519,378	139,117	499,540		14,328,562	216,850	328,271	10,289	17,329,888
Instructional	565,110	264,664	132,458	134,743	490,796	64,094	1,304,529		3,468,160	231,908	108,646	389,487	7,154,595
Noncap Equipment	249,205	304,200	24,414	121,542	289,763	63,675	440,677	1,324,452		79,110	78,100	6,323	2,981,461
Merch for Resale	1,556,688	730,626	400,252	416,502		160,204	2,308,280	15,020,855	11,157,239	439,836	594,473		32,784,955
Repairs	394,657	305,344	119,440	206,538	586,510	24,260	940,302	5,679,687	11,422,354	274,585	105,679	4,303	20,063,659
Scholarships etc.	3,469,368	3,480,444	1,099,405	1,292,335	4,416,501	836,697	3,529,367	19,394,720	18,798,594	1,507,728	1,720,918	3,228,405	62,774,482
General	1,680,689	387,487	199,696	1,323,736	2,876,076	124,510	2,698,206	3,030,301	4,529,810	1,166,469	667,931	6,156,061	24,840,972
Capital Equipment	784,843	174,559	117,625	93,314	981,695	44,070	448,812	1,397,785	510,359	149,726	89,794		4,792,582
Capital Improvement	365,648	1,696,081	695,976	3,778,013	670,525	116,870	757,340	20,138,649	25,177,798	2,423,340	1,117,152	5,305,869	62,243,261
Recovery of Exp								(11,945,358)					(11,945,358)
<b>TOTAL</b>	<b>27,684,737</b>	<b>23,011,498</b>	<b>9,243,502</b>	<b>15,779,910</b>	<b>39,402,089</b>	<b>5,350,072</b>	<b>34,650,254</b>	<b>246,752,803</b>	<b>315,070,310</b>	<b>17,022,542</b>	<b>10,087,518</b>	<b>17,264,662</b>	<b>761,319,897</b>
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	365,648	1,696,081	695,976	3,778,013	670,525	116,870	757,340	20,138,649	25,177,798	2,423,340	1,117,152		62,243,261
Comm & Pub Util	708,464	969,229	333,017	428,074	1,265,959	240,997	1,837,814	10,185,275	9,913,850	671,797	255,783	20,141	26,830,400
Retail Trade	4,063,311	2,587,430	873,437	1,285,208	2,789,447	600,488	5,542,691	20,001,654	33,192,958	1,329,533	1,318,318	481,906	74,066,381
FIRE	3,684,026	2,550,610	1,177,173	1,857,615	5,269,211	755,932	4,377,025	32,861,526	47,425,620	2,636,299	1,045,359	5,617,460	103,951,987
Bus & Pers Ser	4,715,967	3,278,196	1,189,317	2,030,985	6,701,107	727,405	5,503,631	35,840,227	42,149,704	2,253,231	1,448,792	6,776,583	112,615,145
Households	14,147,321	11,929,952	4,974,582	6,400,015	22,705,840	2,908,380	16,631,753	127,725,472	157,210,380	7,708,342	4,902,114	4,368,572	381,612,723
<b>TOTAL</b>	<b>27,684,737</b>	<b>23,011,498</b>	<b>9,243,502</b>	<b>15,779,910</b>	<b>39,402,089</b>	<b>5,350,072</b>	<b>34,650,254</b>	<b>246,752,803</b>	<b>315,070,310</b>	<b>17,022,542</b>	<b>10,087,518</b>	<b>17,264,662</b>	<b>761,319,897</b>

**Appendix Table B5. Operations Expenditures, General and Non-general Funds, North Dakota University System, and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2006 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	12,644,309	9,833,672	4,184,656	5,709,434	19,501,429	2,284,186	14,149,136	121,985,291	151,183,856	6,582,135	3,421,147	1,298,308	352,777,559
Fringe Benefits	3,743,539	2,883,671	1,208,378	1,835,315	5,727,543	745,962	4,298,317	33,549,557	40,474,669	2,149,184	1,166,256	340,176	98,122,567
Travel	531,738	899,550	199,125	420,017	893,465	124,884	918,250	10,026,826	8,370,132	370,745	282,209	98,588	23,135,529
Data Processing	327,367	494,722	184,741	62,302	380,011	60,331	552,598	5,050,506	5,525,722	596,947	58,329	3,674	13,297,250
Fees	881,266	740,900	309,159	44,424	767,935	317,634	145,201	11,431,445	13,465,984	267,219	77,966	208,256	28,657,389
Utilities	577,478	703,023	260,112	676,843	1,101,064	168,465	1,196,565	7,106,409	5,768,536	392,415	221,992		18,172,902
Communications	77,029	177,133	33,518	62,153	122,147	47,688	496,731	2,859,553	3,797,506	306,715	54,763	22,474	8,057,410
Insurance	19,678	171,075	30,494	73,051	107,172	18,336	126,829	872,800	1,961,727	59,458	21,240	1,683	3,463,543
Rents & Leases	510,488	55,521	80,099	232,155	56,140	33,613	197,405	2,066,192	5,378,422	322,737	65,645	14,330	9,012,747
Office	344,519	581,372	114,225	292,574	413,872	74,272	622,542	4,041,610	3,662,105	206,119	101,210	71,630	10,526,050
Supplies	686,885	674,880	167,146	310,594	1,159,118	109,018	497,979	7,908,984	7,604,410	263,338	119,319	10,295	19,511,966
Instructional	697,957	625,737	132,656	165,514	941,486	84,449	1,408,982	5,111,382	7,122,438	295,087	323,733	7,029	16,916,450
Noncap Equipment	176,622	347,664	91,623	158,249	104,865	30,018	517,170	1,996,508	2,782,179	203,460	25,443	6,869	6,440,670
Merch for Resale	1,505,877	622,937	425,528	667,788	1,474,247	226,278	2,666,128	14,787,258	14,291,952	551,023	638,863		37,857,879
Repairs	407,827	638,785	229,680	208,912	809,064	76,724	1,392,399	4,409,358	12,801,122	347,552	58,579	2,362	21,382,364
Scholarships etc.	3,299,547	4,981,850	1,253,694	1,661,422	5,444,005	800,748	3,213,748	22,034,371	20,324,703	1,714,453	1,563,518	3,686,961	69,979,020
General	2,052,786	2,599,468	674,201	880,007	2,510,736	265,469	2,167,311	14,576,239	20,924,196	1,266,311	747,955	339,143	49,003,822
Capital Equipment	297,850	261,965	29,594	102,673	350,453	8,400	314,219	455,388	233,671	183,251	62,633		2,300,097
Capital Improvement	844,104	1,577,255	549,536	175,907	4,422,269	476,567	739,416	14,411,188	15,804,556	295,367	192,463		39,488,628
Recovery of Exp													
TOTAL	29,626,866	28,871,180	10,158,165	13,739,334	46,287,021	5,953,042	35,620,926	284,680,865	341,477,886	16,373,516	9,203,263	6,111,778	828,103,842
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	844,104	1,577,255	549,536	175,907	4,422,269	476,567	739,416	14,411,188	15,804,556	295,367	192,463		39,488,628
Com & Pub Util	654,507	880,156	293,630	738,996	1,223,211	216,153	1,693,296	9,965,962	9,566,042	699,130	276,755	22,474	26,230,312
Retail Trade	3,709,710	3,114,555	960,772	1,697,392	4,444,041	532,435	6,027,020	34,301,130	35,696,755	1,702,278	1,271,201	95,823	93,553,112
FIRE	4,273,705	3,110,267	1,318,971	2,140,521	5,890,855	797,911	4,622,551	36,488,549	47,814,818	2,531,379	1,253,141	356,189	110,598,857
Bus & Pers Ser	4,200,984	5,373,425	1,596,906	1,615,662	5,361,211	845,042	5,175,759	45,494,374	61,087,156	2,848,774	1,225,038	652,023	135,476,354
Households	15,943,856	14,815,522	5,438,350	7,370,856	24,945,434	3,084,934	17,362,884	144,019,662	171,508,559	8,296,588	4,984,665	4,985,269	422,756,579
TOTAL	29,626,866	28,871,180	10,158,165	13,739,334	46,287,021	5,953,042	35,620,926	284,680,865	341,477,886	16,373,516	9,203,263	6,111,778	828,103,842

**Appendix Table B6. Operations Expenditures, General and Non-general Funds, North Dakota University System, and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2008 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	13,703,590	11,286,146	4,952,288	5,643,638	20,320,073	2,608,923	14,991,907	130,082,496	157,668,622	7,289,965	3,825,886	1,679,156	374,052,690
Fringe Benefits	4,307,608	3,526,620	1,478,733	2,034,101	6,464,563	875,153	4,920,186	38,934,598	44,878,689	2,464,252	1,279,187	486,380	111,650,070
Travel	588,673	1,061,370	251,952	405,847	1,059,127	197,645	979,330	11,965,470	9,324,937	438,929	272,617	138,562	26,684,459
Data Processing	511,701	424,540	292,426	127,432	204,974	83,403	658,173	7,240,407	6,591,131	297,698	62,616	15,056	16,509,557
Fees	1,007,145	1,161,040	462,696	117,499	1,165,169	57,829	138,827	14,465,742	17,338,976	219,525	290,457	61,640	36,486,545
Utilities	630,152	785,124	266,416	807,715	1,213,832	192,883	1,152,232	8,631,293	8,206,289	437,848	238,259	0	22,562,043
Communications	91,423	165,421	40,930	56,044	124,488	56,587	442,230	3,361,364	3,739,743	180,389	61,336	19,712	8,339,667
Insurance	43,013	371,374	20,414	46,850	87,039	20,012	76,267	737,453	1,760,526	52,204	7,473	1,609	3,224,234
Rents & Leases	532,841	37,762	69,407	54,090	79,957	28,991	196,592	4,058,554	5,003,937	454,126	102,274	23,805	10,642,336
Office	395,539	571,106	135,498	259,999	623,326	87,002	684,386	4,177,768	3,558,767	234,466	86,508	69,344	10,883,709
Supplies	951,415	620,178	215,381	326,147	1,383,572	160,456	574,168	7,883,828	9,164,445	308,340	137,546	5,724	21,731,200
Instructional	978,633	503,125	138,790	185,021	931,054	149,831	1,426,165	7,531,445	8,532,985	255,376	188,925	46,573	20,867,923
Noncap Equipment	127,203	249,040	45,003	85,268	84,184	73,425	649,530	2,047,058	3,514,740	168,426	63,181	6,448	7,113,506
Merch for Resale	1,833,354	835,247	539,407	645,252	0	248,369	2,364,568	16,913,148	17,413,103	424,315	644,504		41,861,267
Repairs	614,844	638,539	115,309	244,655	716,989	63,239	3,894,641	5,419,518	12,936,757	570,115	90,722	19,245	25,324,573
Scholarships etc.	3,979,302	5,920,393	1,372,192	1,316,110	6,132,277	996,483	3,217,429	26,613,374	20,700,457	2,084,452	1,489,101	6,343,835	80,165,405
General	2,547,068	2,420,899	755,348	680,917	2,922,151	564,162	2,548,962	20,577,444	21,839,822	1,354,115	525,577	462,048	57,198,513
Capital Equipment	186,223	278,301	143,207	135,070	116,766	0	470,734	10,257,527	6,675,116	133,741	1,357,386		19,754,071
Capital Improvement	4,620,975	268,154	63,663	871,102	1,031,081	199,757	293,844	24,765,090	11,637,564	1,290,730	204,057		45,246,017
Recovery of Exp													
<b>TOTAL</b>	<b>37,650,702</b>	<b>31,124,379</b>	<b>11,359,060</b>	<b>14,042,757</b>	<b>44,660,622</b>	<b>6,664,150</b>	<b>39,680,171</b>	<b>345,663,577</b>	<b>370,486,606</b>	<b>18,659,012</b>	<b>10,927,612</b>	<b>9,379,137</b>	<b>940,297,785</b>
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	4,620,975	268,154	63,663	871,102	1,031,081	199,757	293,844	24,765,090	11,637,564	1,290,730	204,057		45,246,017
Com & Pub Util	721,575	950,545	307,346	863,759	1,338,320	249,470	1,594,462	11,992,657	11,946,032	618,237	299,595	19,712	30,901,710
Retail Trade	4,472,367	3,056,997	1,217,286	1,636,757	3,138,902	719,083	6,169,551	48,810,774	48,859,156	1,524,664	2,478,050	128,089	122,211,676
FIRE	4,883,462	3,935,756	1,568,554	2,135,041	6,631,559	924,156	5,193,045	43,730,605	51,643,152	2,970,582	1,388,934	511,794	125,516,640
Bus & Pers Ser	5,269,431	5,706,388	1,877,731	1,576,350	6,068,410	966,278	8,219,933	59,668,581	68,031,623	2,880,382	1,241,989	696,551	162,203,647
Households	17,682,892	17,206,539	6,324,480	6,959,748	26,452,350	3,605,406	18,209,336	156,695,870	178,369,079	9,374,417	5,314,987	8,022,991	454,218,095
<b>TOTAL</b>	<b>37,650,702</b>	<b>31,124,379</b>	<b>11,359,060</b>	<b>14,042,757</b>	<b>44,660,622</b>	<b>6,664,150</b>	<b>39,680,171</b>	<b>345,663,577</b>	<b>370,486,606</b>	<b>18,659,012</b>	<b>10,927,612</b>	<b>9,379,137</b>	<b>940,297,785</b>

**Appendix Table B7. Operations Expenditures, General and Non-general Funds, NORTH DAKOTA UNIVERSITY SYSTEM and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2009 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	15,054,282	12,014,091	5,320,075	6,004,869	21,197,308	2,882,493	16,419,452	143,001,091	169,301,631	7,733,058	4,046,988	1,767,250	404,742,588
Fringe Benefits	4,627,734	3,711,683	1,574,148	2,191,816	6,728,224	946,358	5,164,347	42,400,778	47,858,893	2,521,319	1,240,477	470,330	119,436,107
Travel	630,382	1,089,229	294,444	410,610	982,348	218,282	979,256	11,701,807	9,548,451	464,610	305,348	116,142	26,730,909
Data Processing	540,507	490,988	193,591	100,902	246,848	68,713	646,458	4,173,874	7,615,922	339,410	189,866	26,126	14,633,205
Fees	1,028,818	1,245,178	440,564	62,852	1,045,135	115,232	231,177	11,777,872	16,927,469	276,785	591,548	212,916	33,955,546
Utilities	822,018	764,462	264,407	783,242	1,172,667	203,974	1,059,928	9,089,812	8,755,933	442,642	247,300	0	23,606,385
Communications	87,495	166,872	43,881	89,694	119,836	51,653	433,938	3,606,243	3,638,872	166,526	68,602	20,445	8,493,958
Insurance	59,661	449,955	26,526	51,846	129,697	19,190	94,112	1,637,687	2,153,612	64,578	15,124	1,640	4,703,628
Rents & Leases	605,012	125,465	68,843	104,922	145,225	33,470	307,338	6,173,732	6,015,217	449,928	67,591	29,946	14,126,689
Office	489,421	597,973	113,711	253,788	588,980	137,214	636,573	4,005,427	3,341,182	204,272	102,960	92,099	10,563,600
Supplies	1,311,163	749,583	197,650	272,909	1,741,264	192,084	524,073	8,245,678	9,339,097	350,330	202,021	5,835	23,131,687
Instructional	921,076	517,302	135,288	182,919	941,451	155,317	1,618,303	7,387,626	9,062,343	250,088	336,377	58,417	21,566,507
Noncap Equipment	355,463	264,224	99,881	101,560	46,890	24,839	730,175	2,529,044	2,846,551	130,422	212,275	3,894	7,345,218
Merch for Resale	1,893,867	844,849	439,836	588,631	0	250,888	2,354,770	19,469,632	20,802,151	577,206	529,939	0	47,751,769
Repairs	1,036,508	659,572	161,488	206,704	748,512	95,055	1,941,570	7,716,730	14,733,524	620,405	76,151	3,106	27,999,325
Scholarships etc.	4,540,498	6,615,567	1,451,071	1,400,626	6,490,942	1,079,432	3,211,836	30,395,558	21,911,322	2,178,374	1,539,686	5,868,692	86,653,604
General	2,853,928	2,698,851	722,156	1,219,758	2,991,503	652,400	2,553,738	22,614,535	25,686,710	1,337,160	745,747	367,660	64,444,146
Capital Equipment	2,179,350	182,484	93,697	59,777	75,514	22,633	1,210,854	1,405,468	402,052	146,794	617,727	0	6,396,350
Capital Improvement	1,178,460	4,340,205	109,139	521,248	3,145,658	248,560	378,189	18,050,934	4,194,388	983,573	933,303	0	34,083,657
Recovery of Exp													
TOTAL	40,205,643	37,528,833	11,750,396	14,608,673	48,508,002	7,397,787	40,495,988	355,383,528	384,135,320	19,237,480	12,069,030	9,044,498	980,364,878
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	1,178,460	4,340,205	109,139	521,248	3,145,658	248,560	378,189	18,050,934	4,194,388	983,573	933,303	0	34,083,657
Com & Pub Util	909,513	931,334	308,288	872,936	1,292,503	255,627	1,493,767	12,696,055	12,394,805	609,168	315,902	20,445	32,100,343
Retail Trade	7,150,340	3,156,415	1,080,063	1,459,584	3,394,099	782,975	7,074,748	43,042,875	45,793,376	1,659,112	2,001,299	160,245	116,755,131
FIRE	4,687,395	4,161,638	1,600,674	2,243,662	6,857,921	965,548	5,258,459	44,038,465	50,012,505	2,585,897	1,255,601	471,970	124,139,735
Bus & Pers Ser	6,685,155	6,309,283	1,881,086	2,105,748	6,159,571	1,183,152	6,659,537	64,158,550	80,527,293	3,488,298	1,976,251	755,896	181,889,820
Households	19,594,780	18,629,658	6,771,146	7,405,495	27,658,250	3,961,925	19,631,288	173,396,649	191,212,953	9,911,432	5,586,674	7,635,942	491,396,192
TOTAL	40,206,643	37,528,533	11,750,396	14,608,673	48,508,002	7,397,787	40,495,988	355,383,528	384,135,320	19,237,480	12,069,030	9,044,498	980,364,878

**Appendix Table B8. Operations Expenditures, General and Non-general Funds, NORTH DAKOTA UNIVERSITY SYSTEM and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2011 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	TOTAL
Wages & Salaries	18,214,025	3,336,480	13,579,199	6,707,076	7,552,545	25,015,728	17,522,892	169,094,301	5,393,156	202,471,943	9,288,010	5,094,235	483,269,590
Fringe Benefits	5,935,346	1,190,706	4,566,391	2,164,779	2,936,082	8,301,702	6,003,691	50,855,352	1,631,752	58,127,831	3,270,274	1,830,365	146,814,271
Travel	755,598	232,857	1,204,735	315,831	553,677	1,549,018	1,045,320	11,234,187	333,971	10,736,917	564,279	430,962	28,957,352
Data Processing	914,515	156,032	538,795	247,329	123,819	472,352	836,954	4,745,873	2,622,451	4,193,684	546,620	313,360	15,711,784
Fees	1,852,750	69,659	1,458,132	369,214	437,288	1,637,192	307,176	16,047,282	3,065,861	11,657,272	367,438	415,912	37,685,176
Utilities	849,447	283,560	794,853	244,054	455,096	1,327,829	1,214,066	9,898,152		9,165,289	556,572	302,171	25,091,089
Communications	106,694	74,874	149,293	45,398	76,822	105,689	617,543	3,347,630	1,820,536	2,197,015	129,204	63,807	8,734,505
Insurance	92,892	13,811	330,821	23,763	45,282	47,100	95,164	765,442	493	1,847,416	55,475	24,617	3,342,276
Rents & Leases	715,701	25,140	116,651	97,003	144,895	241,990	193,652	5,513,031	102,706	6,240,502	440,953	147,241	13,979,465
Office	445,629	128,078	523,130	132,290	269,644	600,580	599,121	3,435,166	133,955	3,119,998	313,610	160,999	9,862,200
Supplies	1,073,481	182,918	742,703	284,770	495,648	1,762,964	696,037	7,430,090	89,671	8,143,606	445,152	375,628	21,722,668
Instructional	1,109,938	159,537	541,234	143,906	342,972	1,096,124	1,572,707	7,914,174	267,878	11,881,811	291,751	350,872	25,672,904
Noncap Equipment	92,503	27,993	156,192	208,424	140,061	78,213	1,351,778	2,352,333	84,660	2,182,855	335,831	114,544	7,125,387
Merch for Resale	2,190,117	264,106	770,111	629,503	762,214		732,773	16,633,030		21,926,324	495,792	676,388	45,080,358
Repairs	901,992	156,645	782,277	147,972	182,674	889,984	2,120,777	6,190,031	19,653	14,605,549	932,834	47,172	26,977,560
Scholarships etc.	7,514,652	1,601,310	6,721,319	1,997,290	2,293,677	8,042,461	4,970,727	40,328,355	15,241,632	28,942,181	3,009,089	2,221,258	122,883,951
General	3,625,992	727,232	2,750,687	1,136,052	1,711,605	4,468,465	2,470,786	20,451,397	1,291,923	24,613,363	1,737,232	769,546	65,754,280
Capital Equipment	1,412,210	23,897	435,036	141,209	116,494	335,715	1,088,854	930,080	5,065	8,618,835	139,059	630,295	5,578,833
Capital Improvement	3,122,202	870,921	1,184,800	107,012	5,875,024	5,618,461	1,168,712	27,153,374		12,859,386	3,370,457	9,764,991	71,095,340
Recovery of Exp													
<b>TOTAL</b>	<b>50,925,684</b>	<b>9,525,756</b>	<b>37,346,359</b>	<b>15,142,875</b>	<b>24,515,519</b>	<b>61,591,567</b>	<b>44,608,730</b>	<b>404,319,280</b>	<b>32,105,363</b>	<b>443,531,777</b>	<b>26,289,632</b>	<b>23,734,363</b>	<b>1,165,338,989</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	TOTAL
Construction	3,122,202	870,921	1,184,800	107,012	5,875,024	5,618,461	1,168,712	27,153,374	0	12,859,386	3,370,457	9,764,991	71,095,340
Com & Pub Util	956,141	358,434	944,146	289,452	531,918	1,433,518	1,831,609	13,245,782	1,820,536	11,362,304	685,776	365,978	33,825,594
Retail	6,323,878	786,529	3,168,406	1,540,102	2,127,033	3,873,596	6,041,270	38,694,873	581,229	55,873,429	2,021,195	2,308,726	115,042,350
FIRE	6,743,939	1,229,657	5,013,863	2,285,545	3,126,259	8,590,792	6,292,507	57,133,825	1,734,951	66,215,749	3,766,702	2,002,223	164,136,012
Bus & Pers Ser	8,050,847	1,342,425	6,734,626	2,216,398	3,009,063	9,017,011	6,781,013	58,668,770	7,333,859	65,806,785	4,148,403	1,976,952	175,086,152
Households	25,728,677	4,937,790	20,300,518	8,704,366	9,846,222	33,058,189	22,493,619	209,422,656	20,634,788	231,414,124	12,297,099	7,315,493	606,153,541
<b>TOTAL</b>	<b>50,925,684</b>	<b>9,525,756</b>	<b>37,346,359</b>	<b>15,142,875</b>	<b>24,515,519</b>	<b>61,591,567</b>	<b>44,608,730</b>	<b>404,319,280</b>	<b>32,105,363</b>	<b>443,531,777</b>	<b>26,289,632</b>	<b>23,734,363</b>	<b>1,165,338,989</b>

**Appendix Table B9. Operations Expenditures, General and Non-general Funds, NORTH DAKOTA UNIVERSITY SYSTEMS and Member Institutions, by Budget Category, and Allocation to Input-Output Model Sectors, fiscal Year 2012 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	18,583,304	3,589,932	13,377,228	7,006,999	8,036,349	26,693,950	18,534,582	175,027,698	2,241,566	207,255,253	9,833,555	6,000,096	3,512,072	499,692,584
Fringe Benefits	6,380,067	1,352,470	4,846,051	2,397,381	3,222,648	9,277,841	6,412,884	54,238,054	659,273	61,654,975	3,612,022	2,013,773	1,135,199	157,202,638
Travel	717,226	287,764	1,123,746	373,523	603,869	1,758,715	1,105,093	12,576,106	188,480	11,165,819	728,278	518,020	133,229	31,279,868
Data Processing	609,753	112,284	402,141	375,918	151,462	476,682	504,451	6,277,852	1,694	5,392,370	459,746	373,661	2,122,229	17,260,243
Fees	1,906,273	85,974	1,289,465	684,087	228,949	1,485,662	437,476	21,770,526	155,681	21,060,071	363,647	463,406	2,521,277	52,452,494
Utilities	827,125	216,565	775,073	216,598	469,086	1,340,346	1,091,918	10,117,205		9,698,842	485,758	283,445		25,521,961
Communications	93,264	49,187	152,475	46,093	75,897	86,505	632,657	4,163,874	16,899	2,177,163	135,950	69,113	1,352,920	9,051,997
Insurance	99,723	16,369	372,028	28,199	54,688	98,919	87,173	964,726	84	2,454,074	60,965	39,061	2,615	4,278,624
Rents & Leases	691,716	23,185	139,598	119,484	150,871	262,024	216,074	5,840,538	51,294	6,559,286	500,194	134,648	75,815	14,764,727
Office	406,393	127,863	403,119	119,663	273,178	518,854	603,801	3,215,272	42,050	3,441,891	323,878	119,120	32,625	9,627,707
Supplies	954,181	303,840	829,088	278,561	402,837	1,846,378	697,951	7,955,112	90,503	10,356,031	413,365	631,745	7,289	24,766,881
Instructional	1,021,772	151,770	568,341	128,326	427,034	977,454	1,553,113	7,285,176	116,926	8,439,406	314,374	704,755	159,840	21,848,287
Noncap Equipment	121,063	79,047	109,663	184,068	150,596	231,544	461,244	1,963,782	1,811	7,591,587	527,706	261,310	5,814	11,689,235
Merch for Resale	2,391,741	204,790	668,057	693,433	811,271	670	753,987	18,548,063		23,820,984	561,942	838,206	342	49,293,486
Repairs	505,870	47,910	628,609	1,552,676	357,654	264,242	2,903,298	8,546,449	1,515	13,485,961	1,251,157	53,420	85,519	29,684,280
Scholarships etc.	7,504,071	1,457,110	6,035,594	2,006,699	2,218,519	6,939,920	5,296,241	38,821,973	17,464,596	28,343,424	2,848,715	2,146,600	5,062	121,088,524
General	3,482,281	814,815	3,055,620	1,076,046	2,058,562	4,289,563	2,846,048	22,557,283	675,397	28,339,882	2,060,859	833,873	1,296,039	73,386,268
Capital Equipment	394,388	49,613	224,434	519,550	78,980	756,205	378,417	7,529,873		3,147,601	314,806	770,140	122,857	14,286,864
Capital Improvement	2,947,791	58,406	782,176	2,681,492	1,189,950	19,739,351	1,819,667	24,714,987		12,791,257	3,485,480	6,586,557		76,797,114
Recovery of Exp														
<b>TOTAL</b>	<b>49,638,002</b>	<b>9,028,894</b>	<b>35,782,506</b>	<b>20,488,796</b>	<b>20,962,400</b>	<b>77,044,825</b>	<b>46,336,075</b>	<b>432,114,549</b>	<b>21,707,769</b>	<b>467,175,877</b>	<b>28,282,397</b>	<b>22,840,949</b>	<b>12,570,743</b>	<b>1,243,973,782</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	2,947,791	58,406	782,176	2,681,492	1,189,950	19,739,351	1,819,667	24,714,987	0	12,791,257	3,485,480	6,586,557		76,797,114
Com & Pub Util	920,389	265,752	927,548	262,691	544,983	1,426,851	1,724,575	14,281,079	16,899	11,876,005	621,708	352,558	1,352,920	34,573,958
Retail	5,289,538	916,923	2,802,702	1,923,601	2,143,896	4,331,105	4,448,513	46,497,278	251,290	56,797,500	2,456,071	3,325,276	328,767	131,512,460
FIRE	7,171,506	1,392,024	5,357,677	2,545,064	3,428,207	9,638,784	6,716,131	61,043,318	710,651	70,668,335	4,173,181	2,187,482	1,213,629	176,245,989
Bus & Pers Ser	7,221,403	1,348,747	6,499,581	4,062,250	3,400,496	8,274,864	7,796,366	71,728,216	1,022,767	79,444,103	4,863,687	2,242,380	6,158,293	204,063,153
Households	26,087,375	5,047,042	19,412,822	9,013,698	10,254,868	33,633,870	23,830,823	213,849,671	19,706,162	235,598,677	12,682,270	8,146,696	3,517,134	620,781,108
<b>TOTAL</b>	<b>49,638,002</b>	<b>9,028,894</b>	<b>35,782,506</b>	<b>20,488,796</b>	<b>20,962,400</b>	<b>77,044,825</b>	<b>46,336,075</b>	<b>432,114,549</b>	<b>21,707,769</b>	<b>467,175,877</b>	<b>28,282,397</b>	<b>22,840,949</b>	<b>12,570,743</b>	<b>1,243,973,782</b>

**Appendix Table B10. Operations Expenditures, General and Non-general Funds, North Dakota University System, and Member Institutions, by Budget Category, and Allocation to Input-Output Model Sectors. Fiscal Year 2013 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	18,930,437	3,666,112	12,990,824	7,111,615	8,316,760	26,300,861	19,036,700	175,274,182	2,488,525	212,850,835	10,190,838	6,907,697	7,567,773	511,633,159
Fringe Benefits	6,668,195	1,415,627	4,691,082	2,491,130	3,339,883	9,504,578	6,810,372	55,981,025	728,666	63,602,689	3,809,596	2,255,415	2,544,613	163,842,871
Travel	673,824	268,823	1,023,240	362,423	585,880	1,741,115	1,146,744	13,398,644	164,292	11,660,170	727,487	568,705	233,981	32,555,328
Data Processing	531,541	107,479	346,504	358,200	194,648	408,683	910,116	5,124,433	488	5,173,978	368,603	242,710	5,465,886	19,233,269
Fees	1,829,744	141,953	801,815	649,234	255,045	1,167,125	507,397	15,117,771	342,383	19,841,427	303,631	357,291	1,146,491	42,461,307
Utilities	883,088	254,977	703,021	208,906	535,019	1,622,247	1,226,348	10,598,191		10,719,141	497,152	303,729		27,551,819
Communications	99,282	39,077	146,174	41,504	84,503	81,015	577,402	2,735,073	15,311	2,206,431	126,462	49,441	1,383,957	7,585,632
Insurance	104,988	16,729	68,757	52,274	58,150	102,241	86,786	1,031,855	89	2,829,778	62,702	23,652		4,438,001
Rents & Leases	779,716	24,746	98,691	166,260	194,137	217,664	217,384	6,117,936	40,911	5,925,073	500,211	101,743	120,099	14,504,571
Office	365,210	102,909	328,262	117,050	259,556	563,956	571,337	3,331,612	66,230	3,210,346	288,098	134,575	31,545	9,370,686
Supplies	1,239,090	210,615	593,256	306,120	464,910	1,636,000	454,073	7,971,588	15,761	11,621,168	460,123	625,456	3,727	25,601,887
Instructional	1,061,015	153,694	576,251	194,975	366,851	903,640	1,528,602	8,833,554	41,630	8,956,746	321,075	504,035	398,317	23,840,385
Noncap Equipment	199,488	52,898	138,246	344,987	119,171	77,192	623,771	2,548,715	6,469	6,750,623	194,461	111,328	1,744	11,169,093
Merch for Resale	2,226,421	198,132	639,686	581,782	826,069	2,152	746,196	24,179,467		25,675,834	465,749	801,166		56,342,654
Repairs	443,316	68,158	666,224	226,111	229,873	307,265	2,020,544	9,722,861	761	14,383,535	643,170	131,998	454,654	29,298,470
Scholarships etc.	6,605,645	1,351,601	3,403,829	1,928,471	2,333,792	6,828,685	4,879,009	37,548,194	20,066,499	29,093,999	3,053,932	2,049,052		119,142,708
General	3,533,716	738,551	2,478,205	1,049,588	1,845,367	4,723,997	2,739,440	21,228,702	764,998	31,158,455	1,475,559	1,873,869	3,217,116	76,827,563
Capital Equipment	1,514,835	94,110	141,956	268,569	71,781	485,826	1,523,632	11,035,747		6,321,201	252,730	250,578	417,533	22,378,498
Capital Improvement	3,853,867	712,530	155,219	4,651,848	503,973	5,432,629	14,069,540	27,357,317		17,135,067	6,553,271	3,406,578		8,383
Recovery of Exp														
<b>TOTAL</b>	<b>51,543,418</b>	<b>9,618,721</b>	<b>29,991,242</b>	<b>21,111,047</b>	<b>20,585,368</b>	<b>62,106,871</b>	<b>59,675,393</b>	<b>439,136,867</b>	<b>24,743,013</b>	<b>489,116,496</b>	<b>30,294,850</b>	<b>20,699,018</b>	<b>22,987,436</b>	<b>1,281,609,740</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	3,853,867	712,530	155,219	4,651,848	503,973	5,432,629	14,069,540	27,357,317		17,135,067	6,553,271	3,406,578		83,831,839
Com & Pub Util	982,370	294,054	849,195	250,410	619,522	1,703,262	1,803,750	13,333,264	15,311	12,925,572	623,614	353,170	1,383,957	35,137,451
Retail	6,606,059	812,358	2,417,657	1,813,483	2,108,338	3,668,766	5,447,611	57,900,683	130,090	62,535,918	1,982,236	2,427,138	852,866	148,703,203
FIRE	7,552,899	1,457,102	4,858,530	2,709,664	3,592,170	9,824,483	7,114,542	63,130,816	769,666	72,357,540	4,372,509	2,380,810	2,664,712	182,785,443
Bus & Pers Ser	7,012,141	1,324,964	5,315,988	2,645,556	3,110,813	8,348,185	7,324,241	64,592,411	1,272,922	82,217,565	3,518,450	3,174,573	10,518,128	200,375,937
Households	25,536,082	5,017,713	16,394,653	9,040,086	10,650,552	33,129,546	23,915,709	212,822,376	22,555,024	241,944,834	13,244,770	8,956,749	7,567,773	630,775,867
<b>TOTAL</b>	<b>51,543,418</b>	<b>9,618,721</b>	<b>29,991,242</b>	<b>21,111,047</b>	<b>20,585,368</b>	<b>62,106,871</b>	<b>59,675,393</b>	<b>439,136,867</b>	<b>24,743,013</b>	<b>489,116,496</b>	<b>30,294,850</b>	<b>20,699,018</b>	<b>22,987,436</b>	<b>1,281,609,740</b>

**Appendix Table B11. Operations Expenditures, General and Non-general Funds, North Dakota University System, and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2014 (Current**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	19,769,106	3,967,350	13,035,554	7,765,035	8,708,713	26,871,443	19,262,971	184,292,536	3,822,119	217,722,116	10,608,562	7,460,810	9,510,900	532,797,215
Fringe Benefits	7,443,596	1,642,432	5,172,661	2,882,364	3,737,032	9,856,245	7,359,965	71,235,602	1,161,700	70,900,265	4,250,704	2,700,000	3,439,378	191,781,894
Travel	735,039	325,735	1,053,379	445,811	643,551	1,735,382	1,151,578	14,442,160	195,343	11,671,682	832,991	564,169	284,944	34,081,764
Data Processing	855,096	144,523	383,854	448,130	152,341	453,745	798,258	4,695,669	7,800	4,495,311	711,785	212,848	5,394,329	18,753,689
Fees	4,722,081	196,154	807,837	593,566	254,753	1,839,072	584,573	14,443,273	124,461	19,768,019	458,112	654,887	1,229,507	45,676,295
Utilities	959,621	290,552	827,208	199,253	521,825	1,876,119	1,452,782	11,811,989		11,801,464	591,726	291,895	70	30,624,504
Communications	97,072	34,320	127,607	49,285	85,407	64,248	617,035	2,776,471	14,734	2,163,196	127,127	71,046	2,530,758	8,758,306
Insurance	112,338	14,741	152,964	44,836	53,226	89,654	95,397	929,643	93	2,704,161	59,168	31,081		4,287,302
Rents & Leases	784,781	21,870	111,448	235,244	168,211	171,874	325,879	6,007,660	121,525	6,648,480	447,019	263,179	140,022	15,447,192
Office	390,419	151,777	395,740	137,979	268,818	441,339	473,415	3,262,541	53,420	3,078,548	299,516	196,920	34,531	9,184,963
Supplies	1,075,833	258,705	589,122	409,153	463,884	1,971,822	428,768	8,516,821	11,428	11,768,426	480,913	609,099	7,959	26,591,933
Instructional	1,122,874	143,296	520,658	253,965	259,773	729,800	1,428,188	9,265,659	37,709	9,075,424	304,404	631,508	422,221	24,195,479
Noncap Equipment	71,682	126,292	170,124	191,356	118,105	53,143	557,720	2,864,691	3,720	3,752,968	242,597	156,406	44,049	8,352,853
Merch for Resale	2,237,218	412,311	544,040	634,704	869,511	620	854,514	30,662,463		47,703,847	534,532	771,824		85,225,584
Repairs	600,204	34,946	493,042	307,352	208,934	293,045	1,697,851	11,206,429	917	13,382,524	733,428	196,935	556,370	29,711,977
Scholarships etc.	6,224,342	1,614,636	3,026,955	1,768,647	2,242,631	6,250,427	4,291,942	28,617,548	20,248,778	26,909,736	1,951,242	2,278,670		105,425,554
General	4,145,317	863,913	2,349,762	1,073,538	2,017,418	6,503,492	2,169,757	21,454,600	1,868,238	33,652,385	1,967,274	2,142,106	2,150,166	82,357,966
Capital Equipment	1,137,723	147,227	155,679	476,370	23,160	1,505,944	888,141	8,978,784		5,648,520	192,215	429,229	969,199	20,552,191
Capital Improvement	5,952,772	651,171	210,196	3,885,548	1,817,818	3,505,540	5,454,736	17,395,751		29,000,632	1,278,370	8,468,584		77,621,118
Recovery of Exp														
<b>TOTAL</b>	<b>58,437,114</b>	<b>11,041,651</b>	<b>30,127,780</b>	<b>21,802,136</b>	<b>22,615,111</b>	<b>64,515,954</b>	<b>49,893,470</b>	<b>452,860,290</b>	<b>247,671,985</b>	<b>531,847,704</b>	<b>26,071,685</b>	<b>28,131,196</b>	<b>26,714,403</b>	<b>1,351,427,779</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	5,952,772	651,171	210,196	3,885,548	1,817,818	3,505,540	5,454,736	17,395,751		29,000,632	1,278,370	8,468,584		77,621,118
Com & Pub Util	1,056,693	324,872	954,815	248,538	607,232	1,940,367	2,069,817	14,588,460	14,734	13,964,660	718,853	362,941	2,530,828	39,382,810
Retail	6,035,749	1,239,608	2,375,363	2,103,527	2,003,251	4,702,668	4,630,746	63,550,959	106,277	81,027,733	2,054,177	2,794,986	1,477,959	174,103,003
FIRE	8,340,715	1,679,043	5,437,023	3,162,444	3,958,469	10,117,773	7,781,241	78,172,905	1,283,318	80,252,906	4,756,891	2,994,260	3,579,400	211,516,388
Bus & Pers Ser	11,057,737	1,565,271	5,087,874	2,868,397	3,276,997	10,824,736	6,402,017	66,242,131	2,196,759	82,969,921	4,703,590	3,770,945	9,615,316	210,581,691
Households	25,993,448	5,581,986	16,062,509	9,533,682	10,951,344	33,121,870	23,554,913	212,910,084	24,070,897	244,631,852	12,559,804	9,739,480	9,510,900	638,222,769
<b>TOTAL</b>	<b>58,437,114</b>	<b>11,041,951</b>	<b>30,127,780</b>	<b>21,802,136</b>	<b>22,615,111</b>	<b>64,212,954</b>	<b>49,893,470</b>	<b>452,860,290</b>	<b>247,671,985</b>	<b>531,847,704</b>	<b>26,071,685</b>	<b>28,131,196</b>	<b>26,714,403</b>	<b>1,351,427,779</b>



**Appendix Table B12. Operations Expenditures, General and Non-general Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2015 (Current**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	20,672,511	4,174,822	13,304,895	8,181,081	9,629,246	27,799,822	20,662,945	193,911,654	4,231,194	221,915,472	11,075,309	7,904,647	9,912,286	553,375,884
Fringe Benefits	7,857,097	1,732,062	5,089,232	3,042,069	4,007,170	10,169,686	7,902,853	75,162,204	1,323,360	75,447,350	4,476,350	2,720,830	3,550,181	202,322,026
Travel	683,895	326,363	1,074,319	536,754	730,627	1,745,373	1,202,513	14,460,265	162,484	12,376,569	759,605	500,364	326,018	34,904,149
Data Processing	978,965	115,821	476,899	474,030	168,506	521,663	726,004	4,820,198	61,079	5,068,338	385,109	304,642	5,833,844	19,935,098
Fees	5,008,840	133,682	725,604	468,902	228,630	1,468,704	485,534	15,098,269	144,126	20,891,257	624,900	600,937	1,327,351	47,251,736
Utilities	1,025,957	335,316	748,108	220,593	551,115	1,727,998	1,312,451	11,935,693		10,343,522	621,779	274,144		29,096,676
Communications	91,506	33,434	134,282	44,108	68,458	64,371	558,755	2798,632	16,799	2,131,526	131,526	44,313	2,959,336	9,076,555
Insurance	90,035	6,736		43,801	27,063	38,964	32,895	611,838		2,361,686	29,353	21,659		3,264,030
Rents & Leases	788,242	27,482	121,707	247,140	164,331	166,770	254,172	6,319,006	115,426	7,318,928	446,341	173,744	236,400	16,379,689
Office	536,527	124,528	310,759	105,722	257,088	443,924	458,265	3,352,078	50,977	3,202,514	315,316	133,394	26,331	9,317,423
Supplies	2,042,990	338,917	647,093	369,437	495,835	1,644,447	747,390	8,788,524	12,062	10,125,549	440,179	443,427	5,831	26,101,681
Instructional	1,404,123	178,199	648,662	230,893	326,294	931,511	1,583,656	10,290,530	67,038	9,074,968	307,945	559,957	473,602	26,077,494
Noncap Equipment	97,719	83,925	272,946	461,406	157,320	59,689	972,917	3,271,907	4,523	4,134,381	181,207	499,569	68,010	9,965,519
Merch for Resale	2,356,024	234,153	467,563	698,717	888,405		920,849	64,507,471		118,481,040	456,106	826,6116		189,836,939
Repairs	618,701	46,606	501,986	258,587	268,931	240,898	1,312,164	13,957,196	1,362	13,431,333	585,836	343,784	771,429	32,338,813
Scholarships etc.	5,257,117	1,064,426	2,987,750	1,864,148	2,228,578	6,129,718	4,287,440	25,379,751	19,920,735	26,288,567	1,994,123	2,277,078		99,679,430
General	4,284,837	1,036,179	2,309,782	1,105,609	1,947,207	5,398,436	2,451,275	21,795,387	965,646	31,083,467	5,157,222	1,670,914	2,999,247	82,205,208
Capital Equipment	1,347,307	70,761	279,693	450,337	37,863	950,618	1,602,106	8,472,377	26,166	7,011,107	287,050	1,133,619	81,077	21,750,081
Capital Improvement	13,180,692	1,376,343	142,884	1,702,832	3,353,286	6,175,701	7,256,149	55,458,383		96,251,404	2,665,331	11,384,860		198,947,865
Recovery of Exp														
<b>TOTAL</b>	<b>68,323,201</b>	<b>11,439,755</b>	<b>30,244,164</b>	<b>20,506,166</b>	<b>25,535,953</b>	<b>65,678,293</b>	<b>54,449,333</b>	<b>540,391,363</b>	<b>27,102,976</b>	<b>676,780,069</b>	<b>30,940,587</b>	<b>31,818,493</b>	<b>28,615,943</b>	<b>1,611,826,296</b>
<b>Sector</b>	<b>BSC</b>	<b>DCB</b>	<b>DSU</b>	<b>LRSC</b>	<b>MaSU</b>	<b>MiSU</b>	<b>NDSCS</b>	<b>NDSU</b>	<b>NDUS</b>	<b>UND</b>	<b>VCSU</b>	<b>WSC</b>	<b>CTS</b>	<b>TOTAL</b>
Construction	13,180,692	1,376,343	142,884	1,702,832	3,353,286	6,175,701	7,256,149	55,458,383		96,251,404	2,665,331	11,384,860		198,947,865
Com & Pub Util	1,117,463	368,750	882,390	264,701	619,573	1,792,369	1,871,206	14,734,325	16,799	12,474,557	753,305	318,457	2,959,336	38,173,231
Retail	7,784,806	1,030,483	2,626,716	2,316,512	2,162,805	4,032,018	5,985,183	98,682,887	160,766	152,029,599	1,987,803	3,596,577	654,851	283,049,137
FIRE	8,735,374	1,766,280	5,210,939	3,333,010	4,198,564	10,375,420	8,189,920	82,093,048	1,438,786	84,969,546	4,952,044	2,916,233	3,786,581	221,965,745
Bus & Pers Ser	11,575,238	1,658,651	5,088,590	2,843,882	3,343,901	9,375,074	6,196,490	70,131,315	1,334,697	82,850,964	7,512,672	3,420,641	11,302,889	216,635,004
Households	25,929,628	5,239,248	16,292,645	10,045,229	11,857,824	33,929,540	24,950,385	219,291,405	24,151,928	248,204,039	13,069,432	10,181,725	9,912,286	653,055,314
<b>TOTAL</b>	<b>68,323,201</b>	<b>11,439,755</b>	<b>30,244,164</b>	<b>20,506,166</b>	<b>25,535,953</b>	<b>65,678,293</b>	<b>54,449,333</b>	<b>540,391,363</b>	<b>27,102,976</b>	<b>676,780,069</b>	<b>30,940,587</b>	<b>31,818,493</b>	<b>28,615,943</b>	<b>1,611,826,296</b>

**Appendix Table B13. Operations Expenditures, General and Non-general Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2017 (Current**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	20,459,988	3,924,653	13,485,462	7,821,195	10,032,795	27,304,672	20,718,518	199,268,886	2,442,878	228,750,288	11,351,927	7,411,324	9,568,356	562,540,942
Fringe Benefits	8,334,597	1,707,630	5,464,236	3,059,530	4,373,780	10,549,750	8,515,523	80,212,980	745,125	77,896,852	4,888,772	2,755,485	3,581,546	212,085,807
Travel	434,609	294,982	812,043	297,272	522,717	1,334,053	840,073	11,852,019	65,052	10,218,773	765,152	389,107	173,553	27,999,405
Data Processing	530,846	150,376	271,782	253,423	96,807	515,396	563,197	4,586,359	5,354	6,012,566	475,666	289,230	4,285,713	18,036,715
Fees	3,668,320	209,758	1,227,454	635,714	482,530	1,330,866	623,421	14,555,686	145,140	14,323,465	349,293	273,095	1,626,552	39,451,294
Utilities	1,074,127	281,064	733,914	190,775	554,971	1,713,941	1,176,816	11,803,353	-	10,833,117	512,719	276,361	-	29,151,158
Communications	170,764	21,011	89,019	54,544	59,894	59,141	537,131	2,763,969	52,607	2,106,860	121,254	50,405	2,584,001	8,670,600
Insurance	146,652	14,902	74,790	36,726	64,650	91,390	111,901	1,068,133	80	2,010,828	64,983	46,858	42	3,731,893
Rents & Leases	1,011,157	25,312	107,234	189,506	111,546	141,258	250,717	4,031,982	-	6,854,267	475,705	110,849	188,171	13,497,707
Office	341,597	70,112	212,574	129,407	167,648	392,687	415,917	2,952,334	24,084	2,539,513	220,177	89,290	33,839	7,589,178
Supplies	992,318	299,508	525,721	286,125	398,868	1,371,605	335,974	7,166,731	14,334	7,275,093	409,624	427,841	7,662	19,511,404
Instructional	1,324,660	164,175	417,558	122,305	294,505	659,831	1,167,129	10,026,234	20,624	10,249,461	402,476	371,183	419,707	25,639,847
Noncap Equipment	66,620	34,409	95,191	94,300	84,576	37,259	762,130	3,333,765	7,807	5,114,189	183,191	31,091	1,005	9,845,533
Merch for Resale	1,993,266	255,424	537,933	699,853	721,189	263	3,283,476	49,484,409	-	36,970,492	466,100	872,777	-	95,285,183
Repairs	764,171	271,569	468,260	139,686	173,367	224,604	1,171,026	12,239,796	-	11,141,088	492,959	138,225	1,305,230	28,529,981
Scholarships etc.	4,187,885	1,449,358	2,687,118	1,670,841	2,467,797	5,869,361	4,104,580	27,608,754	22,542,451	29,170,213	2,325,474	3,602,890	-	107,686,723
General	3,882,402	975,094	2,404,233	979,497	1,767,959	4,896,310	2,663,352	21,997,106	949,796	35,004,029	2,333,094	1,479,864	3,331,842	82,664,579
Capital Equipment	545,481	114,830	133,524	311,912	22,578	1,419,822	914,741	7,694,193	-	6,828,727	66,380	7,348	501,175	18,560,710
Capital Improvement	1,316,944	926,582	266,953	881,752	403,411	1,130,228	8,816,340	47,660,748	-	19,551,767	10,315,404	46,243	-	91,316,372
Recovery of Exp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>51,246,406</b>	<b>11,190,747</b>	<b>30,015,000</b>	<b>17,854,361</b>	<b>22,801,589</b>	<b>59,042,439</b>	<b>56,971,961</b>	<b>520,307,439</b>	<b>27,015,333</b>	<b>522,851,589</b>	<b>36,220,350</b>	<b>18,669,466</b>	<b>27,608,392</b>	<b>1,401,795,030</b>
<b>Sector</b>	<b>BSC</b>	<b>DCB</b>	<b>DSU</b>	<b>LRSC</b>	<b>MaSU</b>	<b>MiSU</b>	<b>NDSCS</b>	<b>NDSU</b>	<b>NDUS</b>	<b>UND</b>	<b>VCSU</b>	<b>WSC</b>	<b>CTS</b>	<b>TOTAL</b>
Construction	1,316,944	926,582	266,953	881,752	403,411	1,130,228	8,816,340	47,660,748	-	19,551,767	10,315,404	46,243	-	91,316,372
Com & Pub Util	1,244,891	302,075	822,934	245,319	614,865	1,773,083	1,713,948	14,567,322	52,607	12,939,977	633,973	326,766	2,584,001	37,821,758
Retail	5,263,944	938,457	1,922,501	1,643,901	1,689,365	3,881,467	6,879,367	80,657,666	66,850	68,977,475	1,747,947	1,799,530	963,387	176,431,856
FIRE	9,492,407	1,747,843	5,646,260	3,285,762	4,549,977	10,782,398	8,878,141	85,313,095	745,204	86,761,948	5,429,460	2,913,193	3,769,759	229,315,448
Bus & Pers Ser	9,280,348	1,901,779	5,183,772	2,305,591	3,043,380	8,301,229	5,861,068	65,230,967	1,165,343	76,699,922	4,416,164	2,569,520	10,722,889	196,681,974
Households	24,647,873	5,374,011	16,172,580	9,492,036	12,500,592	33,174,034	24,823,098	226,877,640	24,985,329	257,920,502	13,677,401	11,014,214	9,568,356	670,227,664
<b>TOTAL</b>	<b>51,246,406</b>	<b>11,190,747</b>	<b>30,015,000</b>	<b>17,854,361</b>	<b>22,801,589</b>	<b>59,042,439</b>	<b>56,971,961</b>	<b>520,307,439</b>	<b>27,015,333</b>	<b>522,851,589</b>	<b>36,220,350</b>	<b>18,669,466</b>	<b>27,608,392</b>	<b>1,401,795,071</b>

**Appendix Table B14. Operations Expenditures, General and Non-general Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2018 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	19,214,295	4,001,213	12,850,258	7,403,066	10,083,376	25,650,412	18,568,831	190,487,905	2,470,903	212,076,218	10,640,325	6,953,260	8,838,060	529,238,123
Fringe Benefits	8,076,127	1,678,143	5,434,209	3,065,059	4,856,168	10,477,414	8,352,752	80,273,426	805,266	76,227,244	4,915,434	2,824,500	3,475,807	210,461,551
Travel	404,931	261,568	968,779	294,918	597,015	1,304,202	819,390	12,178,152	80,858	11,092,746	605,066	417,122	169,558	29,194,305
Data Processing	377,123	131,766	356,042	238,136	126,995	399,726	679,859	3,872,843	3,445	4,568,564	391,579	267,519	5,641,285	17,054,884
Fees	2,744,953	281,276	1,479,202	354,583	862,964	1,282,579	692,702	14,856,660	106,921	24,384,519	449,968	274,277	1,269,345	49,039,949
Utilities	1,140,140	315,378	760,226	214,892	573,622	1,735,843	1,162,139	12,337,446	-	11,024,895	548,354	310,813	9,874	30,123,748
Communications	157,054	20,494	56,415	50,428	59,258	56,553	568,231	2,601,730	63,454	1,808,932	127,080	47,357	3,362,221	8,979,208
Insurance	142,059	18,013	73,769	42,280	63,035	99,274	118,515	1,024,420	82	1,963,019	70,010	49,775	4,179	3,664,250
Rents & Leases	967,324	24,116	101,811	204,248	117,768	182,982	201,065	3,817,419	190	6,947,059	450,856	48,037	176,637	13,239,512
Office	334,718	79,508	157,304	87,020	163,967	334,638	351,061	2,777,327	19,300	2,285,654	193,655	58,304	24,742	6,867,199
Supplies	986,809	352,627	514,918	316,140	673,296	1,331,682	387,844	7,161,562	11,659	9,877,903	384,119	487,129	227,586	22,713,273
Instructional	833,270	145,227	450,948	159,775	207,559	644,220	1,133,218	9,588,670	9,493	10,879,966	309,435	357,272	292,478	25,011,532
Noncap Equipment	44,941	49,112	221,653	230,713	153,289	44,742	442,656	2,567,943	4,430	2,739,892	200,742	120,078	659	6,820,850
Merch for Resale	2,140,722	284,923	487,453	749,025	693,931	-	2,836,112	49,305,189	-	30,846,401	407,011	519,339	-	88,270,105
Repairs	426,573	128,195	266,940	192,813	247,561	688,369	1,378,388	12,725,782	-	12,934,103	327,606	135,998	358,947	29,811,274
Scholarships etc.	4,092,298	1,541,768	2,937,156	1,934,458	2,522,555	6,222,925	4,917,582	29,712,483	16,038,744	29,114,189	2,547,077	3,243,791	500	104,825,026
General	3,067,796	901,389	2,974,176	932,152	1,905,139	4,751,240	2,914,177	25,014,040	724,014	41,983,780	2,421,762	2,028,401	3,341,592	92,959,657
Capital Equipment	116,689	194,046	44,164	234,180	226,340	385,771	387,997	6,101,650	-	6,379,898	87,689	364,850	1,049,800	15,573,074
Capital Improvement	128,810	72,400	6,738,486	903,910	1,326,213	1,273,774	783,663	37,165,429	-	9,810,178	2,635,029	31,867	-	60,869,757
Recovery of Exp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>45,396,633</b>	<b>10,481,163</b>	<b>36,873,910</b>	<b>17,607,798</b>	<b>25,460,049</b>	<b>56,866,345</b>	<b>46,696,181</b>	<b>503,570,076</b>	<b>20,338,760</b>	<b>506,945,161</b>	<b>27,712,795</b>	<b>18,539,687</b>	<b>28,243,270</b>	<b>1,344,717,275</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	128,810	72,400	6,738,486	903,910	1,326,213	1,273,774	783,663	37,165,429	-	9,810,178	2,635,029	31,867	-	60,869,757
Com & Pub Util	1,297,194	335,872	816,641	265,320	632,880	1,792,396	1,730,370	14,939,176	63,454	12,833,827	675,435	358,170	3,372,096	39,112,830
Retail	4,457,148	1,105,444	1,876,441	1,776,854	2,118,382	2,741,054	5,538,887	77,502,341	44,882	63,009,713	1,582,650	1,906,971	1,595,265	165,256,033
FIRE	9,185,510	1,720,272	5,609,789	3,311,587	5,036,971	10,759,670	8,672,333	85,115,265	805,538	85,137,322	5,436,299	2,922,312	3,656,623	227,369,492
Bus & Pers Ser	7,021,376	1,704,194	6,045,140	2,012,603	3,739,674	8,426,115	6,484,516	68,647,477	915,239	94,963,712	4,195,981	3,123,316	10,780,726	218,060,068
Households	23,306,594	5,542,981	15,787,414	9,337,525	12,605,931	31,873,337	23,486,413	220,200,388	18,509,647	241,190,408	13,187,402	10,197,051	8,838,560	634,063,649
<b>TOTAL</b>	<b>45,396,633</b>	<b>10,481,163</b>	<b>36,873,910</b>	<b>17,607,798</b>	<b>25,460,049</b>	<b>56,866,345</b>	<b>46,696,181</b>	<b>503,570,076</b>	<b>20,338,760</b>	<b>506,945,161</b>	<b>27,712,795</b>	<b>18,539,687</b>	<b>28,243,270</b>	<b>1,344,731,829</b>

**Appendix Table B15. Operations Expenditures, General and Non-general Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2019 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	19,511,491	4,342,535	12,976,763	7,881,176	10,552,610	24,843,760	18,757,595	190,294,186	2,368,693	205,864,274	10,722,995	6,824,621	8,769,674	523,710,373
Fringe Benefits	8,394,331	1,752,082	5,606,748	3,207,985	5,061,756	10,268,595	7,888,122	78,410,542	771,857	76,464,625	4,870,476	2,682,213	3,503,792	208,883,124
Travel	445,619	307,951	896,874	363,690	678,990	1,665,455	883,832	12,303,641	58,656	12,274,088	805,249	397,181	218,272	31,299,499
Data Processing	949,390	179,723	392,340	187,979	202,833	434,123	798,588	4,861,067	1,906	6,128,592	470,768	154,379	3,502,368	18,264,057
Fees	1,144,901	312,724	404,644	366,962	888,358	1,402,816	679,201	16,099,443	185,159	26,032,961	364,600	304,232	1,330,924	49,516,925
Utilities	1,110,374	368,365	575,242	228,708	623,453	1,654,982	1,252,833	11,803,704	-	12,405,685	504,001	321,529	-	30,848,873
Communications	147,240	19,918	58,327	53,969	54,606	63,289	536,010	2,578,349	52,922	1,624,393	113,148	30,453	3,441,679	8,774,304
Insurance	143,132	18,291	70,458	44,018	74,746	103,912	156,670	1,072,706	109	2,014,651	69,124	56,986	4,179	3,824,803
Rents & Leases	1,320,583	23,579	111,827	241,940	114,630	188,145	236,295	3,976,537	-	8,533,771	450,967	59,373	218,468	15,476,114
Office	323,187	93,494	166,517	124,894	169,587	363,337	328,115	2,750,776	21,789	2,225,744	162,345	63,361	31,699	6,824,844
Supplies	1,202,801	390,568	571,232	367,660	704,127	1,615,962	404,959	6,763,174	11,640	33,483,163	466,718	499,380	6,158	46,487,541
Instructional	973,118	147,931	423,092	107,800	226,432	726,944	1,360,092	9,907,616	20,171	10,391,141	242,575	254,219	294,099	25,075,229
Noncap Equipment	2,024	119,322	92,261	191,665	84,566	72,618	323,464	2,719,073	58,004	1,981,633	212,911	118,654	66,696	6,042,893
Merch for Resale	2,126,640	347,050	(525)	732,924	732,138	753	2,613,949	63,616,876	-	37,916,733	300,234	549,892	-	108,936,664
Repairs	599,473	326,460	213,845	453,584	299,412	202,701	1,408,194	13,703,845	2,801	11,912,964	418,727	111,896	468,839	30,122,743
Scholarships etc.	4,157,437	1,703,911	2,890,997	1,938,477	2,628,846	6,156,158	4,665,166	29,163,154	16,224,714	31,653,706	3,042,280	3,873,823	500	108,098,668
General	2,857,778	1,196,521	2,909,782	1,046,205	2,161,345	9,436,823	5,452,444	25,737,192	426,827	48,077,757	2,335,136	2,036,718	5,502,682	109,177,209
Capital Equipment	364,303	47,449	49,810	170,185	33,229	279,933	373,158	7,234,103	30,503	4,906,870	193,963	200,108	33,748	13,917,361
Capital Improvement	8,326,519	12,685	5,235,980	86,620	932,289	3,529,744	231,385	49,373,816	-	62,093,622	1,591,227	399,186	-	131,813,072
Recovery of Exp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>54,100,340</b>	<b>11,710,559</b>	<b>33,646,213</b>	<b>17,796,439</b>	<b>26,223,952</b>	<b>63,010,050</b>	<b>48,350,072</b>	<b>532,369,801</b>	<b>20,235,751</b>	<b>595,986,372</b>	<b>27,337,444</b>	<b>18,938,205</b>	<b>27,393,778</b>	<b>1,477,094,295</b>
<b>Sector</b>	<b>BSC</b>	<b>DCB</b>	<b>DSU</b>	<b>LRSC</b>	<b>MaSU</b>	<b>MiSU</b>	<b>NDSCS</b>	<b>NDSU</b>	<b>NDUS</b>	<b>UND</b>	<b>VCSU</b>	<b>WSC</b>	<b>CTS</b>	<b>TOTAL</b>
Construction	8,326,519	12,685	5,235,980	86,620	932,289	3,529,744	231,385	49,373,816	-	62,093,622	1,591,227	399,186	-	131,813,072
Com & Pub Util	1,257,614	388,283	633,569	282,677	678,058	1,718,271	1,788,843	14,382,053	52,922	14,030,078	617,148	351,981	3,441,679	39,623,177
Retail	4,992,073	1,145,814	1,302,387	1,695,127	1,950,079	3,059,546	5,403,737	92,991,619	142,106	90,905,283	1,578,746	1,685,614	432,401	207,284,532
FIRE	9,858,045	1,793,952	5,789,032	3,493,942	5,251,132	10,560,653	8,281,087	83,459,786	771,965	87,013,047	5,390,567	2,798,573	3,726,439	228,188,220
Bus & Pers Ser	5,997,161	2,323,379	4,817,485	2,418,419	4,230,938	13,141,918	9,222,259	72,705,188	675,350	104,426,363	4,394,481	3,004,406	11,023,085	238,380,433
Households	23,668,928	6,046,446	15,867,760	9,819,653	13,181,456	30,999,918	23,422,761	219,457,339	18,593,407	237,517,979	13,765,275	10,698,444	8,770,174	631,809,541
<b>TOTAL</b>	<b>54,100,340</b>	<b>11,710,559</b>	<b>33,646,213</b>	<b>17,796,439</b>	<b>26,223,952</b>	<b>63,010,050</b>	<b>48,350,072</b>	<b>532,369,801</b>	<b>20,235,751</b>	<b>595,986,372</b>	<b>27,337,444</b>	<b>18,938,205</b>	<b>27,393,778</b>	<b>1,477,098,975</b>

**Appendix Table B16. Operations Expenditures, General and Non-general Funds, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2020 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	20,173,182	4,530,436	12,090,705	7,969,668	10,930,183	25,003,895	18,744,008	192,463,408	2,517,331	210,021,231	11,321,030	7,044,802	9,175,598	531,985,477
Fringe Benefits	9,114,826	1,965,966	260,146	3,435,449	5,655,943	10,994,220	8,703,168	83,378,655	843,735	83,374,536	5,462,713	2,886,928	3,805,086	219,881,371
Travel	377,686	277,906	553,213	274,385	532,071	1,162,495	560,591	10,074,640	53,987	9,211,397	470,737	268,939	149,462	23,967,507
Data Processing	714,088	102,746	60,174	198,062	188,757	484,831	596,628	4,981,488	1,896	7,345,788	620,561	339,532	3,513,738	19,148,288
Fees	787,748	389,983	613,387	453,976	827,106	1,099,226	949,200	13,354,696	89,922	23,151,719	2,284,947	276,944	1,283,108	45,561,962
Utilities	1,183,467	284,929	124,831	205,740	503,634	1,389,764	1,053,836	11,464,633		11,001,089	492,999	306,476		28,011,395
Communications	168,504	19,928	215,205	52,008	70,702	55,665	531,105	2,356,017	53,158	1,376,182	114,692	30,604	3,680,352	8,724,120
Insurance	153,790	24,260	34,190	46,927	51,408	115,875	120,345	1,135,873	108	2,129,162	73,357	54,799	5,349	3,945,444
Rents & Leases	865,296	18,938	74,279	168,205	115,831	136,824	234,894	3,675,754		6,763,621	421,375	66,705	208,083	12,749,806
Office	275,957	97,875	413,780	105,108	148,104	284,221	287,291	2,557,280	20,962	1,847,077	209,666	35,855	27,617	6,310,792
Supplies	1,277,108	526,014		283,344	578,112	1,436,530	333,969	6,926,745	5,844	8,785,227	372,308	477,718	18,292	21,021,210
Instructional	932,057	221,326	471,419	157,463	316,616	768,820	1,258,218	9,544,231	12,444	10,343,781	197,721	464,459	294,515	24,983,071
Noncap Equipment	41,904	68,650		87,578	219,450	56,134	258,475	2,892,106	27,145	1,963,811	254,020	101,779	33,507	6,004,559
Merch for Resale	2,140,574	336,081	3,048,271	672,113	627,838		2,400,056	33,086,391		38,519,539	522,436	522,262		81,875,561
Repairs	973,918	298,177	720	261,716	256,196	167,773	1,197,390	15,136,241	5,332	13,163,266	696,681	100,774	286,670	32,544,855
Scholarships etc.	4,538,204	1,824,871		2,060,506	2,521,907	6,576,313	4,566,034	30,686,050	17,857,019	33,105,889	3,348,251	4,078,509	500	111,164,053
General	3,026,311	2,044,206		999,495	2,007,585	5,765,336	2,229,515	24,767,335	416,801	53,028,485	2,353,160	2,585,403	7,441,053	106,664,686
Capital Equipment	776,017	53,107		88,538	151,745	406,508	153,440	6,268,641	9,292	6,018,961	226,705	228,239	608,101	14,989,293
Capital Improvement	637,354	313,771		552,776	43,735	1,072,557	708,524	15,892,659		74,643,540	2,074,232	5,023,351	39,285	101,001,783
Recovery of Exp														
<b>TOTAL</b>	<b>48,157,990</b>	<b>13,399,170</b>	<b>17,960,319</b>	<b>18,073,056</b>	<b>25,746,920</b>	<b>56,976,984</b>	<b>44,886,686</b>	<b>470,642,844</b>	<b>21,914,978</b>	<b>595,794,302</b>	<b>31,517,589</b>	<b>24,894,077</b>	<b>30,570,318</b>	<b>1,400,535,233</b>

**Appendix Table B17. Operations Expenditures, General and Non-general Funds, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2021 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	20,920,107	4,732,542	11,024,613	7,965,974	11,593,617	25,214,870	19,161,108	200,328,873	2,581,406	221,675,330	11,626,372	6,728,784	9,175,598	552,729,194
Fringe Benefits	9,186,569	2,022,355	5,060,691	3,346,215	5,603,042	10,890,463	8,585,034	84,400,088	865,928	84,970,585	5,593,038	2,634,945	3,805,086	226,964,039
Travel	201,730	221,231	564,418	166,722	365,410	667,062	364,076	5,608,111	20,078	6,454,316	361,802	117,322	149,462	15,261,741
Data Processing	720,437	226,138	1,566,661	562,700	678,000	703,517	2,924,519	8,531,643	182,207	12,497,769	721,818	591,026	3,513,738	33,420,174
Fees	999,424	394,175	416,931	339,978	1,110,296	647,357	2,934,329	19,089,632	153,464	49,285,517	429,655	258,941	1,283,108	77,342,806
Utilities	1,176,328	227,976	567,289	240,420	448,488	1,632,895	1,087,871	12,449,809		10,566,771	507,391	292,580		29,197,818
Communications	148,838	18,936	60,023	47,488	71,089	53,072	528,402	2,240,868	47,536	1,599,735	114,033	31,255	3,680,352	8,641,629
Insurance	164,053	22,710	118,361	59,981	56,651	116,938	130,551	1,213,849	232	3,001,318	71,624	66,057	5,349	5,027,675
Rents & Leases	787,187	46,120	135,242	116,067	113,179	149,032	218,962	3,083,602	600	6,613,330	395,904	68,524	208,083	11,935,832
Office	323,375	89,075	144,583	127,474	140,359	320,568	264,438	1,995,356	23,017	1,759,635	205,103	37,048	27,617	5,457,649
Supplies	2,894,562	580,112	638,015	417,413	700,028	3,018,728	1,653,719	7,093,912	3,543	11,515,988	523,407	378,804	18,292	29,436,524
Instructional	1,111,090	353,736	410,640	154,996	408,973	889,000	1,690,865	8,808,218	36,672	11,635,143	231,756	274,889	294,515	26,300,492
Noncap Equipment	211,704	170,234	480,540	123,131	219,397	118,000	507,694	6,829,606	28,265	3,262,714	419,717	617,600	33,507	13,022,108
Merch for Resale	2,117,305	357,043		667,251	591,167	560	2,690,968	52,813,946		36,391,760	329,009	504,339		96,463,348
Repairs	1,297,559	205,087	537,943	215,594	230,606	293,647	1,242,940	17,160,361	5,526	13,573,344	395,378	152,824	286,670	35,597,478
Scholarships etc.	6,291,955	1,688,026	3,657,101	1,898,340	2,427,791	6,824,626	4,359,365	29,229,313	17,538,258	33,883,020	3,219,272	3,809,428	500	114,826,995
General	3,377,593	1,499,995	2,506,301	960,505	1,820,989	5,718,352	2,935,207	23,990,200	481,129	59,054,955	2,110,527	2,595,290	7,441,053	114,492,095
Capital Equipment	1,370,056	114,557	696,613	215,602	241,623	708,981	1,651,002	15,185,356		8,484,443	260,450	563,691	608,101	30,100,475
Capital Improvement	780,095	1,393,413	3,980,164	2,475,139	323,090		704,144	38,329,670		83,408,398	17,236,819	4,032,723	39,285	152,702,942
Recovery of Exp														
<b>TOTAL</b>	<b>54,079,968</b>	<b>14,363,461</b>	<b>32,566,131</b>	<b>20,100,989</b>	<b>27,143,795</b>	<b>57,967,667</b>	<b>53,635,194</b>	<b>538,382,413</b>	<b>21,967,861</b>	<b>659,634,071</b>	<b>44,753,076</b>	<b>23,756,071</b>	<b>30,570,318</b>	<b>1,578,921,014</b>

**Appendix Table B18. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 1999 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	DCB	MiSU	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	3,804,427	2,240,486	1,455,042	1,670,610	335,157	3,082,874	2,548,174	39,410,288	58,883,241	2,142,142	855,470	26,400	116,454,311
Fringe Benefits	919,611	649,940	338,747	443,389	71,772	638,149	653,715	9,240,405	14,498,166	509,919	189,413	7,872	28,161,098
Travel	212,725	302,902	105,080	141,343	67,564	408,832	342,451	4,660,871	4,268,740	218,010	107,916	2,409	10,838,843
Data Processing	55,994	44,687	22,571	44,442	4,419	67,696	34,376	909,052	985,222	355,516	22,204		2,546,179
Fees	349,307	940,758	150,103	522,342	299,441	891,001	337,026	4,816,300	7,863,862	703,911	138,463	219	17,012,733
Utilities	201,911	195,337	42,987	76,765		1,114	2,888	1,778,251	1,768,934	90,037	36,515		4,194,739
Communications	151,457	165,088	25,772	87,476	44,458	125,625	532,309	2,405,184	3,769,119	359,611	17,046	299	7,683,444
Insurance	10,875	16,720	3,854	7,614	1,137	5,690	14,984	210,814	780,386	8,543	2,244		1,062,861
Rents & Leases	141,423	5,861	7,434	677,650	8,877	66,732	188,495	2,034,118	4,082,062	358,187	23,297	900	7,595,036
Office	209,678	129,562	63,507	73,828	35,624	247,765	125,862	5,864,043	2,233,312	95,729	25,292	62	9,104,264
Supplies	563,683	250,685	48,502	130,692	31,572	220,534	255,968		6,273,164	156,129	123,956	433	8,055,318
Instructional	276,205	91,413	75,457	69,524	15,858	32,902	493,696		1,282,403	99,647	36,303	180,809	2,654,217
Noncap Equipment			26,319	62,657	3,503	137,768	34,885	687,278		167,900	1,225		1,121,535
Merch for Resale	906,895	400,876	335,963	292,487	101,176		2,007,713	8,540,584	18,428,685	282,908	406,173		31,703,460
Repairs	171,402	417,096	31,312	154,989	8,482	157,438	491,550	2,686,110	12,367,987	124,181	49,688	59	16,660,294
Scholarships etc.	1,938,131	1,965,302	940,073	838,810	707,881	2,959,876	2,572,791	9,854,315	12,622,231	1,299,853	1,096,413	1,699,042	38,494,718
General	387,887	196,413	120,394	109,135	137,917	370,590	1,369,734	1,916,375	1,968,000	178,721	148,458		6,903,624
Capital Equipment	439,107	291,677	86,673	77,569	3,064	332,483	295,250	0	0	212,909	107,958		1,846,690
Capital Improvement	366,346	667,346	598,734	57,894	241,840	2,897,712	3,066,092	3,561,184	8,734,203	252,656	363,440		20,807,447
Recovery of Exp													
<b>TOTAL</b>	<b>11,107,064</b>	<b>8,972,149</b>	<b>4,478,524</b>	<b>5,539,216</b>	<b>2,119,742</b>	<b>12,644,781</b>	<b>15,367,959</b>	<b>98,575,172</b>	<b>160,809,717</b>	<b>7,616,509</b>	<b>3,751,474</b>	<b>1,918,504</b>	<b>332,900,811</b>
Sector	BSC	DSU	LRSC	MaSU	DCB	MiSU	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	366,346	667,346	598,734	57,894	241,840	2,897,712	3,066,092	3,561,184	8,734,203	252,656	363,440	0	20,807,447
Comm & Pub Util	353,368	360,425	68,759	164,241	44,458	126,739	535,197	4,183,435	5,538,053	449,648	53,561	299	11,878,183
Retail Trade	2,395,568	1,164,213	636,421	706,757	190,797	971,452	3,213,374	15,091,905	28,217,564	1,015,222	700,907	181,304	54,485,484
FIRE	1,071,909	672,521	350,035	1,128,653	81,786	710,571	857,194	11,485,337	19,360,614	876,649	214,954	8,772	36,818,995
Bus & Pers Ser	1,177,315	1,901,856	429,460	972,251	517,823	1,895,557	2,575,137	14,988,708	27,453,811	1,580,339	466,729	2,687	53,961,673
Households	5,742,558	4,205,788	2,395,115	2,509,420	1,043,038	6,042,750	5,120,965	49,264,603	71,505,472	3,441,995	1,951,883	1,725,442	154,949,029
<b>TOTAL</b>	<b>11,107,064</b>	<b>8,972,149</b>	<b>4,478,524</b>	<b>5,539,216</b>	<b>2,119,742</b>	<b>12,644,781</b>	<b>15,367,959</b>	<b>98,575,172</b>	<b>160,809,717</b>	<b>7,616,509</b>	<b>3,751,474</b>	<b>1,918,504</b>	<b>332,900,811</b>

**Appendix Table B19. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2004 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	6,364,671	4,443,905	2,489,869	1,504,697	5,362,350	446,964	3,487,324	66,507,549	100,687,465	1,257,302	1,677,651	169,305	194,399,052
Fringe Benefits	1,781,001	1,185,765	715,333	527,644	1,153,826	144,781	1,005,277	16,718,436	26,120,233	343,109	497,616	49,524	50,242,545
Travel	408,944	715,461	165,564	219,887	726,920	75,611	452,949	6,971,750	7,098,557	153,376	168,927	12,260	17,170,206
Data Processing	110,505	128,083	41,110	47,969	193,860	17,283	108,302	2,912,197	1,824,798	268,258	23,252		5,675,617
Fees	1,661,053	1,435,510	448,749	12,317	1,559,557	360,238	799,934	13,607,720	13,981,976	35,263	360,392	4,126	34,266,835
Utilities	231,076	348,503	87,872	142	2,166		101,073	2,832,981	3,280,356	1,730	88,701		6,974,600
Communications	121,565	143,359	36,742	23,701	189,902	51,873	487,917	3,273,912	3,401,578	219,770	39,471	1,057	7,990,847
Insurance	46,451	52,269	17,951	6,853	16,434	4,104	8,727	341,653	1,626,037	11,487	11,769	26	2,143,761
Rents & Leases	343,883	174,550	19,851	36,414	(56,785)	13,797	119,457	2,906,747	8,942,143	509,421	49,103	3,406	13,061,987
Office	347,370	346,280	69,802	120,789	340,409	71,840	277,970	10,495,009	3,032,221	105,700	61,173	689	15,269,252
Supplies	298,483	384,941	53,378	162,783	299,197	51,787	370,202		12,831,617	148,814	202,977	848	14,805,027
Instructional	381,616	126,168	82,119	36,575	131,696	12,882	907,725		2,149,986	67,406	63,671	389,487	4,349,331
Noncap Equipment	141,942	219,112	19,400	80,220	194,317	27,569	240,805	1,132,908		54,534	47,259	812	2,158,668
Merch for Resale	1,556,688	730,626	400,252	416,502		160,204	2,308,280	15,020,855	11,157,239	439,195	594,473		32,784,314
Repairs	246,155	200,780	55,902	99,241	174,327	14,197	732,875	4,465,498	8,708,491	99,682	63,550	719	14,861,417
Scholarships etc.	3,469,368	3,478,904	1,099,405	1,089,883	4,416,501	836,697	3,529,367	18,963,063	18,795,125	1,307,606	1,720,918	80,318	58,787,155
General	1,574,955	341,653	190,666	1,053,627	2,675,505	116,119	2,640,802	2,695,014	3,934,770	984,177	648,495	1,456,074	18,311,857
Capital Equipment	488,295	157,063	83,133	62,004	638,819	14,649	197,588	0	0	102,773	45,196		1,789,520
Capital	207,447	1,579,467	674,616	2,122,789	176,038	35,465	757,340	18,913,032	23,839,538	2,423,340	1,117,152		51,846,224
Recovery of Exp								(11,945,324)					(11,945,324)
TOTAL	19,781,468	16,192,399	6,751,714	7,624,037	18,195,039	2,456,060	18,533,914	175,813,000	251,412,130	8,532,733	7,481,746	2,168,651	534,942,891
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	207,447	1,579,467	674,616	2,122,789	176,038	35,465	757,340	18,913,032	23,839,538	2,423,340	1,117,152	0	51,846,224
Comm & Pub Util	352,641	491,862	124,614	23,843	192,068	51,873	588,990	6,106,893	6,681,934	221,500	128,172	1,057	14,965,447
Retail Trade	3,214,394	1,964,190	708,084	878,873	1,604,438	338,931	4,302,570	14,703,448	29,171,063	918,212	1,014,749	391,836	59,210,788
FIRE	2,171,335	1,412,584	753,135	570,911	1,113,475	162,682	1,133,461	19,966,836	36,688,413	864,017	558,488	52,956	65,448,293
Bus & Pers Ser	4,001,612	2,821,487	901,991	1,433,041	5,330,169	583,448	4,734,862	30,652,179	35,548,592	1,540,756	1,264,616	1,473,179	90,285,932
Households	9,834,039	7,922,809	3,589,274	2,594,580	9,778,851	1,283,661	7,016,691	85,470,612	119,482,590	2,564,908	3,398,569	249,623	253,186,207
TOTAL	19,781,468	16,192,399	6,751,714	7,624,037	18,195,039	2,456,060	18,533,914	175,813,000	251,412,130	8,532,733	7,481,746	2,168,651	534,942,891



**Appendix Table B20. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2006 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSUS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	7,645,037	6,131,568	2,716,752	3,417,833	11,387,305	979,014	7,418,136	79,124,365	112,293,373	3,337,342	1,741,451	73,062	236,265,238
Fringe Benefits	2,226,793	1,766,796	764,778	1,114,789	3,134,799	310,225	2,204,742	21,189,984	30,044,254	1,056,505	607,253	24,577	64,445,495
Travel	391,070	748,895	142,012	352,012	695,915	87,527	660,032	8,333,516	7,453,659	220,129	229,278	9,261	19,323,306
Data Processing	247,290	419,486	94,446	38,135	327,381	30,588	401,692	4,225,914	4,750,305	509,034	51,878	60	11,096,209
Fees	752,053	653,218	194,233	33,336	696,577	305,358	118,222	10,898,543	12,994,931	187,709	58,081	244	26,892,505
Utilities	259,696	408,887	100,838	266,231	469,525	42,597	408,346	3,982,746	3,699,024	152,147	103,003		9,893,040
Communications	43,150	132,462	16,913	31,108	63,208	38,787	353,936	2,267,388	3,017,224	230,884	30,585	1,189	6,226,834
Insurance	10,014	152,940	16,626	38,180	56,810	7,514	46,537	438,467	1,511,394	31,929	9,814	51	2,320,276
Rents & Leases	282,619	50,611	41,153	194,978	50,434	26,882	90,833	1,289,921	5,320,978	272,747	57,324	5,600	7,684,080
Office	254,624	404,074	61,786	221,224	267,349	36,746	406,975	3,062,557	2,967,639	134,050	64,589	1,641	7,883,254
Supplies	478,043	549,041	121,073	267,537	864,242	50,939	398,817	5,898,165	7,202,235	215,272	83,824	6,550	16,135,738
Instructional	479,449	481,856	80,575	112,869	633,274	49,468	1,153,418	3,738,829	5,447,549	196,434	271,772		12,645,493
Noncap Equipment	109,098	311,292	78,840	139,650	88,603	11,457	323,333	1,676,659	2,463,490	171,919	21,311	4,939	5,400,591
Merch for Resale	1,505,863	622,937	425,505	667,788	1,474,247	226,273	2,666,128	14,786,025	14,291,952	551,023	638,863		37,856,604
Repairs	241,043	521,421	139,019	156,015	501,856	39,722	998,592	3,285,771	10,851,250	229,256	34,557	365	16,998,867
Scholarships etc.	3,215,779	4,200,006	1,193,512	1,388,587	4,886,078	774,416	2,803,078	17,160,537	16,474,162	1,471,134	1,520,276	45,635	55,133,200
General	1,694,847	2,199,493	572,125	709,486	2,179,604	208,349	1,797,496	12,397,623	18,582,122	1,129,871	618,906	5,205	42,095,127
Capital Equipment	219,103	240,476	21,022	70,761	265,991	2,124	227,262			130,969	60,340		1,238,048
Capital	523,603	1,514,712	307,108	92,351	4,193,220	55,987	159,665	12,297,767	15,058,401		63,558		34,266,372
Recovery of Exp													
TOTAL	20,579,174	21,510,171	7,088,316	9,312,870	32,236,418	3,283,973	22,637,240	206,054,777	274,423,942	10,228,354	6,266,663	178,379	613,800,277
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSUS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	523,603	1,514,712	307,108	92,351	4,193,220	55,987	159,665	12,297,767	15,058,401		63,558		34,266,372
Com & Pub Util	302,846	541,349	117,751	297,339	532,733	81,384	762,282	6,250,134	6,716,248	383,031	133,588	1,189	16,119,874
Retail Trade	3,046,180	2,609,676	788,801	1,479,829	3,593,706	377,007	5,175,933	29,162,235	32,372,865	1,399,667	1,140,699	13,130	81,159,728
FIRE	2,519,426	1,970,347	822,557	1,347,947	3,242,043	344,621	2,342,112	22,918,372	36,876,626	1,361,181	674,391	30,228	74,449,851
Bus & Pers Ser	3,326,303	4,542,513	1,141,835	1,288,984	4,401,333	671,544	3,976,034	39,141,367	54,632,267	2,275,999	992,700	15,135	116,406,014
Households	10,860,816	10,331,574	3,910,264	4,806,420	16,273,383	1,753,430	10,221,214	96,284,902	128,767,535	4,808,476	3,261,727	118,697	291,398,438
TOTAL	20,579,174	21,510,171	7,088,316	9,312,870	32,236,418	3,283,973	22,637,240	206,054,777	274,423,942	10,228,354	6,266,663	178,379	613,800,277

**Appendix Table B21. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2008 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	8,526,511	7,172,902	3,152,599	3,133,457	11,770,259	1,210,317	7,739,524	83,684,874	114,548,568	3,578,666	1,886,101	77,350	246,481,128
Fringe Benefits	2,626,113	2,226,703	953,991	1,185,835	3,542,813	400,799	2,476,405	24,629,341	32,364,487	1,133,497	569,739	57,974	72,167,697
Travel	431,118	895,352	197,019	223,710	832,542	143,493	733,358	10,012,236	8,202,122	275,480	220,355	10,695	22,177,480
Data Processing	279,805	347,858	248,645	105,462	158,546	41,502	521,505	5,002,804	4,885,889	236,431	54,131	893	11,883,471
Fees	873,611	892,502	345,897	74,804	1,071,971	48,606	131,624	13,165,500	16,315,139	139,584	266,698	3,096	33,329,032
Utilities	296,669	480,782	142,784	287,010	512,728	66,296	412,017	4,893,050	5,214,651	164,527	109,637		12,580,151
Communications	52,233	120,302	23,972	25,735	68,040	45,886	289,467	2,589,354	2,945,664	127,644	36,645	828	6,325,770
Insurance	21,711	359,602	12,067	19,318	46,366	11,404	28,994	397,113	1,397,654	29,512	2,529	11	2,326,281
Rents & Leases	296,057	30,937	47,033	29,691	68,376	24,291	114,300	3,578,393	4,914,770	413,005	94,668	18,532	9,630,053
Office	273,848	399,606	86,260	197,406	496,051	48,446	500,906	3,197,515	2,851,281	157,611	57,792	4,687	8,271,409
Supplies	809,145	511,509	163,235	279,261	1,071,527	99,123	438,667	5,912,597	8,678,293	249,085	104,699	2,797	18,319,938
Instructional	734,166	369,432	99,856	128,374	630,267	110,999	1,166,974	6,086,292	6,489,998	160,370	126,057	572	16,103,357
Noncap Equipment	104,654	172,580	34,616	52,761	57,371	36,902	511,910	1,700,551	3,037,982	138,996	45,614	599	5,894,536
Merch for Resale	1,833,354	835,247	539,407	645,252	0	248,369	2,364,361	16,912,798	17,412,693	424,292	644,221		41,859,994
Repairs	395,171	475,337	71,015	140,133	489,916	28,475	2,531,371	3,951,845	10,676,390	312,358	50,122	1,398	19,123,531
Scholarships etc.	3,914,872	4,685,699	1,271,048	1,174,376	5,476,979	965,161	2,828,167	20,458,368	17,099,712	1,838,491	1,434,642	522,814	61,670,329
General	1,954,064	2,106,482	545,160	521,800	2,549,634	494,966	2,097,827	17,810,224	18,138,849	1,149,578	381,509	12,857	47,762,950
Capital Equipment	97,357	211,177	140,259	112,810	76,109	0	223,125	8,765,428	6,295,659	85,502	1,344,018		17,351,444
Capital Improvement	4,016,973	207,065	0	171,777	187,964	78,559	59,479	20,205,813	11,199,582		73,690		36,200,902
Recovery of Exp													
TOTAL	27,537,432	22,501,074	8,074,863	8,508,972	29,107,459	4,103,594	25,169,981	252,954,096	292,669,383	10,614,629	7,502,867	715,103	689,459,453
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSCS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	4,016,973	207,065	0	171,777	187,964	78,559	59,479	20,205,813	11,199,582		73,690		36,200,902
Com & Pub Util	348,902	601,084	166,756	312,745	580,768	112,182	701,484	7,482,404	8,160,315	292,171	146,282	828	18,905,921
Retail	3,852,524	2,499,551	1,063,633	1,415,864	2,331,325	543,839	5,205,943	42,575,181	44,765,906	1,215,856	2,322,401	8,655	107,800,678
FIRE	2,943,881	2,617,242	1,013,091	1,234,844	3,657,555	436,494	2,619,699	28,604,847	38,676,911	1,576,014	666,936	76,517	84,124,031
Bus & Pers Ser	3,933,769	4,717,531	1,407,736	1,065,909	5,102,609	757,042	6,015,685	49,942,609	58,218,389	2,113,431	972,815	28,939	134,276,464
Households	12,441,383	11,858,601	4,423,647	4,307,833	17,247,238	2,175,478	10,567,691	104,143,242	131,648,280	5,417,157	3,320,743	600,164	308,151,457
TOTAL	27,537,432	22,501,074	8,074,863	8,508,972	29,107,459	4,103,594	25,169,981	252,954,096	292,669,383	10,614,629	7,502,867	715,103	689,459,453

**Appendix Table B22. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2009 (Current Year Dollars)**

Category	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSUS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	8,786,629	7,954,999	3,457,865	3,383,641	12,426,344	1,390,641	8,157,608	90,563,543	124,369,870	3,781,968	2,038,093	102,433	266,413,634
Fringe Benefits	2,710,192	2,432,127	1,040,482	1,300,808	3,751,804	460,401	2,503,835	26,558,171	34,712,933	1,149,400	578,365	30,129	77,228,647
Travel	418,701	928,695	230,987	219,490	790,409	167,879	698,292	9,716,651	8,464,286	304,194	247,985	14,614	22,202,183
Data Processing	345,149	408,809	137,620	71,338	183,625	33,348	418,145	3,394,126	5,766,845	272,550	171,250	12,572	11,215,377
Fees	782,378	950,089	343,365	33,946	954,182	87,707	184,554	10,379,109	16,262,937	189,173	567,551	5,615	30,740,606
Utilities	408,610	485,189	145,283	279,738	502,615	74,261	392,428	5,153,331	5,630,001	163,616	124,370	0	13,359,442
Communications	47,861	114,512	26,251	44,095	69,083	40,380	281,408	2,735,972	2,846,107	114,904	45,154	0	6,365,727
Insurance	30,764	437,371	16,367	22,819	73,908	10,679	32,489	1,231,998	1,724,130	31,200	6,290	17	3,618,032
Rents & Leases	343,598	105,373	45,377	69,422	124,207	27,396	224,142	5,651,141	5,869,018	412,184	55,955	16,583	12,944,396
Office	320,440	432,069	75,825	170,340	470,933	88,681	472,033	2,971,409	2,646,537	136,180	58,377	5,390	7,848,214
Supplies	1,059,778	633,526	155,080	196,294	1,400,098	125,932	408,670	5,742,524	8,790,190	268,818	152,479	2,284	18,935,673
Instructional	718,105	379,719	101,815	94,058	676,331	119,511	1,348,469	5,729,824	7,010,736	155,742	277,342	34	16,611,686
Noncap Equipment	318,990	226,293	79,597	78,619	31,582	15,737	547,996	2,071,558	2,348,430	107,563	210,980	2,028	6,039,373
Merch for Resale	1,893,867	844,849	439,836	588,631	0	250,928	2,354,204	19,469,215	20,801,633	577,206	529,939	0	47,750,308
Repairs	803,125	508,835	124,245	120,298	413,571	41,623	1,117,355	5,127,786	11,734,730	340,082	47,228	1,631	20,380,509
Scholarships etc.	4,453,704	5,192,813	1,351,953	1,255,676	5,781,059	1,048,224	2,988,631	23,103,363	18,489,533	1,931,595	1,493,470	522,577	67,612,598
General	1,850,884	2,407,641	537,092	1,001,962	2,512,784	617,250	2,142,061	19,461,322	20,765,093	1,161,874	630,594	48,887	53,137,444
Capital Equipment	2,147,054	156,431	89,283	48,548	41,166	13,785	1,109,502	na	na	82,812	613,105	0	4,301,686
Capital	694,833	4,319,956	50,323	64,550	530,624	248,560	0	11,225,692	1,131,522	0	857,815	0	19,123,875
Recovery of Exp													
TOTAL	28,134,662	28,919,296	8,448,646	9,044,273	30,734,325	4,862,923	25,381,822	250,286,735	299,364,531	11,181,061	8,706,342	764,794	705,829,410
Sector	BSC	DSU	LRSC	MaSU	MiSU	DCB	NDSUS	NDSU	UND	VCSU	WSC	CTS	TOTAL
Construction	694,833	4,319,956	50,323	64,550	530,624	248,560	0	11,225,692	1,131,522	0	857,815	0	19,123,875
Com & Pub Util	456,471	599,701	171,534	323,833	571,698	114,641	673,836	7,889,303	8,476,108	278,520	169,524	0	19,725,169
Retail Trade	6,458,234	2,672,887	941,436	1,176,490	2,620,110	614,574	6,240,874	35,984,530	41,597,526	1,328,321	1,842,222	9,736	101,486,940
FIRE	2,740,956	2,869,498	1,056,849	1,323,627	3,825,712	471,080	2,536,324	27,790,169	36,437,063	1,180,600	584,655	30,146	80,846,679
Bus & Pers Ser	4,543,835	5,309,442	1,418,686	1,516,456	4,978,778	975,203	4,784,549	53,730,135	68,862,909	2,680,057	1,720,563	99,902	150,620,515
Households	13,240,333	13,147,812	4,809,818	4,639,317	18,207,403	2,438,865	11,146,239	113,666,906	142,859,403	5,713,563	3,531,563	625,010	334,026,232
TOTAL	28,134,662	28,919,296	8,448,646	9,044,273	30,734,325	4,862,923	25,381,822	250,286,735	299,364,531	11,181,061	8,706,342	764,794	705,829,410

**Appendix Table B23. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2011 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	TOTAL
Wages & Salaries	11,312,485	2,265,074	7,380,336	4,300,275	4,406,961	13,873,644	8,364,066	112,073,751	139,699	148,692,491	4,562,873	2,641,067	320,012,722
Fringe Benefits	3,699,386	815,881	2,459,419	1,400,724	1,814,160	4,394,714	2,833,515	32,787,351	52,063	42,325,510	1,521,257	980,357	95,084,337
Travel	546,467	206,454	893,592	252,935	326,326	1,298,405	738,776	9,623,777	26,147	9,671,846	334,088	358,682	24,277,495
Data Processing	530,925	114,142	407,454	190,417	100,815	381,675	565,109	4,130,308	1,785	3,547,442	425,468	278,140	10,673,680
Prof Fees & Services	1,556,876	56,478	1,064,960	243,236	394,005	1,482,579	156,501	14,850,191	24,054	11,072,122	267,640	359,287	31,527,929
Utilities	461,996	180,201	399,587	129,379	164,486	507,829	416,798	5,892,364		5,841,859	235,915	135,061	14,365,475
Communications	64,056	68,330	89,866	27,817	33,251	62,012	463,177	2,739,813	456	1,731,332	75,761	40,525	5,396,396
Insurance	52,965	9,490	315,072	16,028	25,194	36,339	32,398	420,396	15	1,521,838	30,385	17,212	2,477,332
Rents & Leases	436,614	24,085	85,396	72,169	98,574	206,381	1321,652	4,552,881	10,698	6,035,871	407,289	112,678	12,174,288
Office	314,774	98,160	309,877	90,209	191,799	474,609	420,565	2,645,726	12,480	2,514,627	204,359	115,697	7,392,882
Supplies	809,062	136,424	561,942	216,009	438,739	1,438,985	558,256	5,215,652	69,975	7,679,503	344,270	304,186	17,773,003
Instructional	894,435	132,071	337,490	117,135	199,792	799,874	1,298,631	6,514,429	49,901	9,385,234	202,748	312,502	20,244,242
Noncap Equipment	83,057	22,748	127,812	197,253	104,906	62,273	798,294	2,025,881	2,516	1,954,027	220,637	99,106	5,698,510
Merch for Resale	2,190,117	264,106	770,111	629,503	762,214		732,773	16,632,507		21,926,324	495,777	676,301	45,079,733
Repairs	566,293	104,650	502,850	94,861	110,333	580,684	1,427,919	4,891,941	959	11,761,971	517,762	27,144	20,587,367
Scholarships etc.	7,428,846	1,568,844	5,132,544	1,192,039	2,130,605	7,359,400	4,641,054	32,215,843	533,346	24,956,853	2,764,725	2,148,069	92,792,168
General	2,559,179	688,961	2,310,639	887,485	1,334,495	3,968,111	1,731,027	17,703,722	17,894	20,525,478	1,553,942	651,372	53,932,305
Capital Equipment	1,263,667	23,897	392,730	131,340	102,963	289,978	667,354				94,431	583,245	3,549,605
Capital Improvement	612,435		256,472	98,662	1,976,100	4,500,579	10,571	6,400,735		10,547,764	2,730,409	6,747,222	33,880,949
Recovery of Exp													
<b>TOTAL</b>	<b>35,383,635</b>	<b>6,779,996</b>	<b>23,798,149</b>	<b>11,007,476</b>	<b>14,715,718</b>	<b>41,718,071</b>	<b>25,988,436</b>	<b>281,317,268</b>	<b>941,988</b>	<b>341,692,092</b>	<b>16,989,736</b>	<b>16,587,853</b>	<b>816,920,418</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	TOTAL
Construction	612,435		256,472	98,662	1,976,100	4,500,579	10,571	6,400,735		10,547,764	2,730,409	6,747,222	33,880,949
Com & Pub Util	526,052	248,531	489,453	157,196	197,737	569,841	879,975	8,632,177	465	7,573,191	311,676	175,586	19,761,871
Retail	5,555,112	677,406	2,499,962	1,381,449	1,800,413	3,065,719	4,475,873	33,034,195	134,872	43,459,715	1,562,222	2,091,037	99,737,975
FIRE	4,188,965	849,456	2,859,887	1,488,921	1,937,938	4,637,434	2,997,565	37,760,628	62,776	49,883,219	1,958,931	1,110,247	109,735,957
Bus & Pers Ser	5,759,740	1,170,685	5,179,495	1,668,934	2,265,974	7,711,454	4,619,332	51,199,939	70,839	56,578,859	3,098,900	1,674,625	140,998,776
Households	18,741,331	3,833,918	12,512,880	6,212,314	6,537,566	21,233,044	13,005,120	144,289,594	673,045	173,649,344	7,327,598	4,789,136	412,804,890
<b>TOTAL</b>	<b>35,383,635</b>	<b>6,779,996</b>	<b>23,798,149</b>	<b>11,007,476</b>	<b>14,715,718</b>	<b>41,718,071</b>	<b>25,988,436</b>	<b>281,317,268</b>	<b>941,988</b>	<b>341,692,092</b>	<b>16,989,736</b>	<b>16,587,853</b>	<b>816,920,418</b>

**Appendix Table B24. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocations to the North Dakota Input-Output Model Sectors, Fiscal Year 2012 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,165,304	1,722,259	6,824,126	4,425,425	4,822,239	11,834,318	8,725,258	113,978,360	224,958	145,923,044	4,526,616	3,341,857	NA	317,513,764
Fringe Benefits	3,854,530	661,482	2,447,573	1,532,262	2,036,335	3,984,716	2,988,377	34,593,991	70,780	43,127,924	1,538,152	1,097,522	NA	97,933,644
Travel	508,897	230,347	832,851	310,025	346,627	1,463,251	803,299	10,703,544	23,649	9,917,591	455,692	423,226	NA	26,018,999
Data Processing	387,496	70,035	328,721	277,831	118,385	397,263	320,637	4,580,734		4,093,916	359,083	289,583	NA	11,223,684
Fees	1,566,497	73,965	789,586	547,464	149,542	1,363,042	272,052	19,195,273	4,679	19,499,546	225,608	322,057	NA	44,009,311
Utilities	428,395	75,077	376,537	111,698	183,460	379,124	385,247	6,368,796		5,741,007	167,030	121,388	NA	14,337,759
Communications	52,685	38,849	88,728	28,685	33,848	49,687	469,616	2,856,406	36	1,673,520	71,818	47,243	NA	5,411,121
Insurance	55,492	8,482	353,807	18,963	32,489	57,350	28,812	561,330	10	1,992,426	33,751	20,311	NA	3,163,223
Rents & Leases	405,338	19,306	104,019	87,509	107,284	187,802	153,348	4,881,131	19,109	6,359,925	449,316	123,239	NA	12,897,326
Office	281,110	87,420	247,655	80,312	195,662	367,073	409,372	2,475,600	1,267	2,688,152	190,955	80,152	NA	7,104,730
Supplies	754,878	226,044	660,747	214,287	337,576	1,492,616	561,140	5,635,108	82,510	9,707,461	328,178	489,779	NA	20,490,324
Instructional	801,689	114,926	362,570	108,145	295,755	660,108	1,313,760	5,800,152	95,485	6,673,742	189,452	653,956	NA	17,069,740
Noncap Equipment	113,393	51,531	82,117	149,147	125,095	222,970	307,501	1,666,152	235	7,024,539	450,107	221,308	NA	10,414,095
Merch for Resale	2,391,727	204,790	668,057	693,433	811,271	670	753,987	18,547,464		23,820,984	561,915	838,206	NA	49,292,504
Repairs	363,086	22,610	433,950	1,105,218	203,596	161,231	2,178,850	6,223,536	279	11,572,316	925,068	31,837	NA	23,221,577
Scholarships etc.	7,352,813	1,415,277	4,434,191	1,903,667	2,047,500	6,051,979	4,855,338	29,511,130		24,088,090	2,492,368	2,087,138	NA	86,239,491
General	2,445,876	737,286	2,661,070	870,681	1,644,388	3,602,363	2,176,086	19,385,342	11,662	23,096,563	1,821,951	626,660	NA	59,079,928
Capital Equipment	312,019	17,196	185,682	517,001	56,732	734,568	257,707	6,007,781		2,767,170	226,091	569,859	NA	11,651,806
Capital Improvement	774,839	44,389		11,717	246,551	14,961,924	586,720	12,659,056		7,016,304	243,010	2,750,340	NA	39,294,850
Recovery of Exp														
<b>TOTAL</b>	<b>34,016,064</b>	<b>5,821,271</b>	<b>21,881,987</b>	<b>12,993,470</b>	<b>13,794,335</b>	<b>47,972,055</b>	<b>27,547,107</b>	<b>305,630,886</b>	<b>534,659</b>	<b>356,784,220</b>	<b>15,256,161</b>	<b>14,135,661</b>	<b>NA</b>	<b>856,367,876</b>
<b>Sector</b>	<b>BSC</b>	<b>DCB</b>	<b>DSU</b>	<b>LRSC</b>	<b>MaSU</b>	<b>MiSU</b>	<b>NDSCS</b>	<b>NDSU</b>	<b>NDUS</b>	<b>UND</b>	<b>VCSU</b>	<b>WSC</b>	<b>CTS</b>	<b>TOTAL</b>
Construction	774,839	44,389	0	11,717	246,551	14,961,924	586,720	12,659,056	0	7,016,304	243,010	2,750,340	NA	39,294,850
Com & Pub Util	481,080	113,926	465,265	140,383	217,308	428,811	854,863	9,225,202	36	7,414,527	238,848	168,631	NA	19,748,880
Retail	4,654,816	701,907	2,206,828	1,762,325	1,822,091	3,478,005	3,603,467	40,132,257	179,497	52,682,048	1,946,698	2,853,260	NA	116,023,199
FIRE	4,315,360	689,270	2,905,399	1,638,734	2,176,108	4,229,868	3,170,537	40,036,452	89,899	51,480,275	2,021,219	1,241,072	NA	113,994,193
Bus & Pers Ser	5,271,852	1,134,243	5,046,178	3,111,219	2,462,538	6,987,150	5,750,924	60,088,429	40,269	68,179,932	3,787,402	1,693,363	NA	163,553,499
Households	18,518,117	3,137,536	11,258,317	6,329,092	6,869,739	17,886,297	13,580,596	143,489,490	224,958	170,011,134	7,018,984	5,428,995	NA	403,753,255
<b>TOTAL</b>	<b>34,016,064</b>	<b>5,821,271</b>	<b>21,881,987</b>	<b>12,993,470</b>	<b>13,794,335</b>	<b>47,972,055</b>	<b>27,547,107</b>	<b>305,630,886</b>	<b>534,659</b>	<b>356,784,220</b>	<b>15,256,161</b>	<b>14,135,661</b>	<b>NA</b>	<b>856,367,876</b>

**Appendix Table B25. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2013 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,161,564	1,755,726	6,071,756	4,344,949	4,906,265	14,247,207	8,848,583	103,923,132	423,148	161,595,094	4,920,579	4,037,438	2,575,791	328,811,232
Fringe Benefits	3,977,828	688,277	2,145,720	1,527,759	2,052,552	5,158,148	3,140,269	32,227,002	129,498	48,012,551	1,764,068	1,272,797	906,347	103,002,816
Travel	471,842	222,739	783,761	297,953	322,050	1,467,535	814,597	10,943,028	14,069	10,209,684	471,555	465,079	95,021	26,578,913
Data Processing	371,366	85,833	252,221	285,882	135,200	317,180	620,609	3,414,870		4,283,521	229,182	189,796	1,807,917	11,993,577
Fees	1,470,385	68,465	596,784	461,968	210,180	998,041	220,417	13,812,333	13,357	17,688,283	208,689	243,078	123,818	36,115,798
Utilities	444,184	87,275	310,789	101,917	204,202	682,440	404,689	6,348,451		7,266,408	183,870	110,318		16,144,543
Communications	53,759	30,014	79,764	23,773	36,987	51,747	430,120	2,066,565	460	1,783,818	70,277	31,106	10,175	4,668,565
Insurance	56,606	8,557	46,518	29,180	33,758	66,743	27,170	542,620	10	2,440,630	35,006	13,356		3,300,154
Rents & Leases	449,838	22,904	80,588	120,360	152,727	164,602	107,337	4,970,003	11,506	5,623,807	459,470	95,126	39,272	12,297,540
Office	252,820	54,455	199,634	72,715	182,361	457,813	394,851	2,369,507	10,739	2,664,739	187,062	75,384	5,008	6,927,088
Supplies	879,625	123,446	432,371	227,545	390,971	1,212,682	332,117	5,214,260	10,582	11,069,422	364,995	465,383	1,458	20,724,857
Instructional	864,263	119,798	354,251	167,426	241,105	647,036	1,318,687	6,892,345	19,084	7,270,258	200,860	394,312	232,126	18,721,551
Noncap Equipment	170,627	41,939	110,104	328,359	103,375	61,380	415,846	1,897,644		5,922,803	142,376	101,647	29	9,296,129
Merch for Resale	2,226,421	194,296	639,686	581,782	826,069	2,152	746,118	24,179,257		25,675,834	465,740	801,166		56,338,521
Repairs	273,519	26,295	473,670	156,330	158,112	222,375	1,026,411	6,291,172	452	13,043,842	345,294	76,315	260,677	22,354,464
Scholarships etc.	6,469,773	1,291,472	3,025,735	1,825,945	2,140,570	5,987,988	4,490,991	27,642,745		25,588,895	2,615,195	1,930,400		83,009,709
General	2,505,713	670,296	2,090,182	717,381	1,478,258	4,050,245	2,237,471	16,733,226	6,935	26,365,728	1,305,628	1,533,118	405,467	60,099,648
Capital Equipment	1,391,057	41,980	129,654	256,941	68,922	451,951	1,315,808	6,626,949		5,896,728	180,060	201,613	417,533	16,979,196
Capital Improvement	977,209	18,594		4,620,877	510,082	399,746	6,141,718	19,001,523		2,946,362	530,373	340,426		35,486,910
Recovery of Exp														
<b>TOTAL</b>	<b>34,468,399</b>	<b>5,552,361</b>	<b>17,823,188</b>	<b>16,149,042</b>	<b>14,153,746</b>	<b>36,647,011</b>	<b>33,033,809</b>	<b>295,096,632</b>	<b>639,840</b>	<b>385,348,407</b>	<b>14,680,279</b>	<b>12,377,858</b>	<b>6,880,639</b>	<b>872,851,211</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	977,209	18,594		4,620,877	510,082	399,746	6,141,718	19,001,523		2,946,362	530,373	340,426		35,486,910
Com & Pub Util	497,943	117,289	390,553	125,690	241,189	734,187	834,809	8,415,016	460	9,050,226	254,147	141,424	10,175	20,813,108
Retail	5,784,813	575,914	1,865,700	1,634,768	1,812,803	2,833,014	4,523,427	47,179,962	40,405	58,499,784	1,541,093	2,039,505	656,154	128,987,342
FIRE	4,484,272	719,738	2,272,826	1,677,299	2,239,037	5,389,493	3,274,776	37,739,625	141,014	56,076,988	2,258,544	1,381,279	945,619	118,600,510
Bus & Pers Ser	5,092,825	1,073,628	4,196,618	1,919,514	2,303,800	7,055,376	4,919,505	51,194,629	34,813	71,591,058	2,560,348	2,507,386	2,692,900	157,142,400
Households	17,631,337	3,047,198	9,097,491	6,170,894	7,046,835	20,235,195	13,339,574	131,565,877	423,148	187,183,989	7,535,774	5,967,838	2,575,791	411,820,941
<b>TOTAL</b>	<b>34,468,399</b>	<b>5,552,361</b>	<b>17,823,188</b>	<b>16,149,042</b>	<b>14,153,746</b>	<b>36,647,011</b>	<b>33,033,809</b>	<b>295,096,632</b>	<b>639,840</b>	<b>385,348,407</b>	<b>14,680,279</b>	<b>12,377,858</b>	<b>6,880,639</b>	<b>872,851,211</b>

**Appendix Table B26. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2014 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,400,823	1,662,931	5,352,309	4,339,670	4,976,872	13,976,143	8,428,707	110,729,936	397,774	155,431,676	5,045,528	4,086,638	3,719,710	329,549,717
Fringe Benefits	4,342,703	696,362	2,115,986	1,625,888	2,220,069	5,079,912	3,091,676	39,975,268	135,551	49,826,364	1,957,914	1,483,009	1,397,699	113,948,401
Travel	498,334	260,044	798,861	363,292	372,257	1,349,835	799,910	11,881,734	32,264	10,113,731	532,104	422,942	126,699	27,552,007
Data Processing	692,095	80,693	269,389	305,166	109,061	326,964	506,957	3,191,176		3,611,633	495,772	183,291	2,419,723	12,191,920
Fees	4,374,000	92,632	540,645	377,703	184,218	1,503,452	258,197	12,817,968	10,791	17,207,731	307,694	518,401	494,128	36,687,560
Utilities	466,892	90,519	322,531	82,553	193,033	748,891	442,617	7,346,139	-	7,395,802	230,306	105,838		17,425,121
Communications	50,717	23,496	68,002	22,911	37,085	33,545	440,882	2,122,656	16	1,673,743	73,078	50,837	742,650	5,339,618
Insurance	73,307	6,838	131,550	29,601	29,645	53,923	27,233	482,602	15	2,104,459	32,798	19,176		2,991,147
Rents & Leases	565,804	21,445	97,262	191,855	120,077	104,331	176,400	4,729,269	28,381	6,375,240	403,475	241,807	16,775	13,072,121
Office	260,706	96,581	226,252	78,416	188,725	331,893	327,230	2,319,352	2,158	2,457,073	186,568	98,989	4,248	6,578,181
Supplies	810,797	151,184	407,071	304,068	383,497	1,514,684	297,375	5,759,079	7,142	11,171,571	393,840	444,520	2,704	21,647,532
Instructional	891,618	98,783	298,527	216,776	147,483	475,881	1,194,501	7,230,960	2,121	7,361,850	183,069	574,929	181,849	18,858,347
Noncap Equipment	45,142	57,631	115,280	168,234	79,821	45,019	380,042	2,043,647	1,330	3,227,714	138,657	118,773	4,300	6,425,590
Merch for Resale	2,237,164	412,087	544,040	634,704	869,511	620	854,514	30,661,757	-	47,703,764	534,525	771,824		85,224,510
Repairs	334,762	19,039	350,816	158,476	129,324	216,493	830,802	7,479,181	507	11,842,105	379,624	99,243	376,859	22,217,231
Scholarships etc.	6,041,703	1,535,947	2,779,185	1,595,567	2,070,299	5,355,034	3,877,124	24,468,834	-	23,620,154	1,896,061	2,140,650		75,080,558
General	3,035,405	781,669	1,887,752	708,289	1,582,773	5,637,839	1,627,063	17,539,549	15,699	27,128,221	1,715,977	1,768,760	442,717	63,871,713
Capital Equipment	1,027,975	73,356	105,493	446,995	23,160	1,387,340	697,047	6,650,444	-	5,344,343	101,750	388,204	683,276	16,929,383
Capital Improvement	3,972,160	89,180			584,997	2,303,765	2,124,107	9,439,577	-	11,092,662		1,473,698		31,080,146
Recovery of Exp														
<b>TOTAL</b>	<b>41,122,107</b>	<b>6,250,417</b>	<b>16,410,951</b>	<b>11,650,164</b>	<b>14,301,907</b>	<b>40,445,564</b>	<b>26,382,384</b>	<b>306,869,128</b>	<b>634,739</b>	<b>404,689,836</b>	<b>14,308,740</b>	<b>14,991,529</b>	<b>10,613,337</b>	<b>908,670,803</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	3,972,160	89,180			584,997	2,303,765	2,124,107	9,439,577	-	11,092,662		1,473,698		31,080,146
Com & Pub Util	517,609	114,015	390,533	105,464	230,118	782,436	883,499	9,468,795	16	9,069,545	303,384	156,675	742,650	22,764,739
Retail	5,273,402	889,622	1,696,663	1,849,193	1,692,197	3,755,437	3,750,709	54,665,239	12,741	77,266,315	1,538,409	2,397,239	876,377	155,663,543
FIRE	4,981,814	724,645	2,344,798	1,847,344	2,369,791	5,238,166	3,295,309	45,187,139	163,947	58,306,063	2,394,187	1,743,992	1,414,474	130,011,669
Bus & Pers Ser	8,934,596	1,234,077	3,847,463	1,912,926	2,377,633	9,034,583	4,022,929	52,909,608	59,261	69,903,421	3,431,171	2,992,637	3,860,126	164,520,431
Households	17,441,526	3,198,878	8,131,494	5,935,237	7,047,171	19,331,177	12,305,831	135,198,770	398,774	179,051,830	6,641,589	6,227,288	3,719,710	404,630,275
<b>TOTAL</b>	<b>41,122,107</b>	<b>6,250,417</b>	<b>16,410,951</b>	<b>11,650,164</b>	<b>14,301,907</b>	<b>40,445,564</b>	<b>26,382,384</b>	<b>306,869,128</b>	<b>634,739</b>	<b>404,689,836</b>	<b>14,308,740</b>	<b>14,991,529</b>	<b>10,613,337</b>	<b>908,670,803</b>

**Appendix Table B27. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2015 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,419,097	1,925,168	5,335,072	4,592,928	5,504,730	14,094,285	9,231,487	117,353,827	351,206	156,639,855	4,837,417	4,645,865	3,847,775	339,778,712
Fringe Benefits	4,441,543	787,616	1,997,451	1,728,320	2,409,098	4,994,662	3,533,052	42,908,441	126,539	52,441,370	1,804,307	1,523,389	1,449,718	120,145,506
Travel	437,471	267,289	802,288	425,439	405,222	1,382,591	900,043	11,765,599	10,904	9,854,670	427,174	440,160	124,643	27,243,493
Data Processing	787,420	83,085	321,913	335,167	114,900	408,284	565,570	3,406,618	1,428	4,158,003	222,752	200,500	1,874,283	12,479,923
Fees	4,589,504	65,041	536,559	292,704	157,768	1,163,100	282,093	13,226,833	29,325	16,842,365	288,134	426,459	172,490	38,072,375
Utilities	475,856	107,877	280,744	88,766	208,865	659,693	393,789	7,577,895	-	5,780,032	199,938	95,462		15,868,917
Communications	48,550	22,368	77,700	19,758	30,891	32,414	414,684	2,125,775	-	1,625,519	66,775	16,054	680,274	5,160,762
Insurance	57,803	5,093		33,824	22,252	26,321	15,051	372,557	-	1,886,014	21,443	18,824		2,459,182
Rents & Leases	565,052	24,827	109,679	201,016	117,028	115,475	201,704	5,346,904	30,944	6,983,502	397,374	170,515	400	14,264,420
Office	330,590	78,723	164,906	66,436	176,780	320,120	332,118	2,450,323	1,467	2,530,426	163,245	88,010	3,214	6,706,358
Supplies	1,734,896	211,471	479,467	241,759	392,195	1,246,966	421,056	5,878,495	3,086	9,500,453	352,390	345,591	1,799	20,809,624
Instructional	1,154,818	123,117	388,675	199,293	186,124	674,166	1,362,828	7,998,352	3,689	7,175,259	171,834	516,118	285,940	20,240,213
Noncap Equipment	89,585	68,388	224,789	334,516	116,360	49,880	520,312	2,153,544	-	3,451,476	108,822	174,651	1,108	7,290,431
Merch for Resale	2,355,858	233,990	467,563	698,717	888,405		920,796	64,507,786	-	118,481,040	455,205	825,769		189,835,129
Repairs	371,758	19,844	286,106	148,448	162,751	165,434	807,656	8,831,736	528	11,965,407	346,502	151,138	397,686	23,654,994
Scholarships etc.	5,167,077	999,259	2,722,656	1,730,028	2,053,728	5,319,027	4,151,554	21,499,486	-	23,603,732	1,703,714	2,226,968		71,177,229
General	3,074,224	895,074	1,880,647	697,578	1,500,625	4,148,155	1,809,347	17,976,231	36,304	23,664,380	2,768,007	14,433,937	224,790	60,109,299
Capital Equipment	1,257,471	50,007	257,772	389,969	37,863	891,526	1,521,363	5,410,177	-	6,699,794	132,742	880,014	52,904	17,581,602
Capital Improvement	2,923,562	370,484	31,379		74,591	3,177,580	1,650,657	27,465,317	-	29,940,144	188,689	6,154,441		71,976,844
Recovery of Exp														
<b>TOTAL</b>	<b>41,282,135</b>	<b>6,338,721</b>	<b>16,365,366</b>	<b>12,224,666</b>	<b>14,560,176</b>	<b>38,866,679</b>	<b>29,035,160</b>	<b>368,255,896</b>	<b>595,420</b>	<b>493,223,441</b>	<b>14,656,464</b>	<b>20,333,865</b>	<b>9,117,024</b>	<b>1,064,855,013</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	2,923,562	370,484	31,379		74,591	3,177,580	1,650,657	27,465,317	-	29,940,144	188,689	6,154,441		71,976,844
Com & Pub Util	524,406	130,245	358,444	108,524	239,756	692,107	808,473	9,703,670	-	7,405,551	1,384,238	111,516	680,274	21,029,679
Retail	6,923,218	765,696	1,983,172	1,930,690	1,797,727	3,179,658	5,078,473	88,398,677	8,242	147,838,448	266,713	2,830,153	344,965	262,463,357
FIRE	5,064,398	817,536	2,107,130	1,963,160	2,548,378	5,136,458	3,749,807	48,627,902	157,483	61,310,886	2,223,124	1,712,728	1,450,118	136,869,108
Bus & Pers Ser	9,260,377	1,330,333	3,827,513	1,899,336	2,341,266	7,267,564	4,364,709	55,207,017	78,489	66,484,825	4,052,569	2,652,194	2,793,892	161,560,084
Households	16,586,174	2,924,427	8,057,728	6,322,956	7,558,458	19,413,312	13,383,041	138,853,313	351,206	180,243,587	6,541,131	6,872,833	3,847,775	410,955,941
<b>TOTAL</b>	<b>41,282,135</b>	<b>6,338,721</b>	<b>16,365,366</b>	<b>12,224,666</b>	<b>14,560,176</b>	<b>38,866,679</b>	<b>29,035,160</b>	<b>368,255,896</b>	<b>595,420</b>	<b>493,223,441</b>	<b>14,656,464</b>	<b>20,333,865</b>	<b>9,117,024</b>	<b>1,064,855,013</b>



**Appendix Table B28. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2017 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,460,338	1,931,416	5,374,795	3,941,506	5,898,219	14,194,019	9,443,377	122,892,880	186,439	164,285,328	5,190,710	4,355,715	3,313,841	352,468,583
Fringe Benefits	4,780,448	799,577	2,103,522	1,558,316	2,783,627	5,408,484	3,895,994	46,685,205	51,655	55,416,228	2,157,131	1,616,990	1,226,794	128,483,971
Travel	289,096	249,525	630,594	229,420	289,230	1,106,339	629,759	10,067,409	2,872	9,326,685	465,882	339,546	61,394	23,687,748
Data Processing	451,998	89,651	163,068	157,129	56,031	424,835	389,800	3,523,620	-	5,118,359	313,482	248,861	1,127,804	12,064,639
Fees	3,332,746	86,991	614,328	463,984	415,464	1,169,178	462,178	13,071,225	14,042	12,946,534	213,229	195,421	131,525	33,116,844
Utilities	526,773	96,798	291,092	70,899	219,511	678,741	362,081	7,703,816	-	7,063,863	188,788	125,165	-	17,327,526
Communications	81,716	12,697	47,556	22,237	29,068	29,962	372,269	2,092,389	-	1,660,347	65,430	26,944	579,281	5,019,898
Insurance	83,246	6,976	53,277	17,123	28,821	54,148	45,438	609,436	-	1,335,011	27,000	33,678	-	2,294,154
Rents & Leases	793,448	20,686	100,867	85,810	106,387	98,879	137,393	2,971,007	-	6,508,264	417,798	108,371	400	11,349,309
Office	234,794	43,576	101,181	67,917	114,408	293,282	312,065	2,235,604	1,502	2,036,181	125,996	56,396	3,475	5,626,378
Supplies	750,858	175,689	359,082	193,895	326,251	1,083,037	225,352	5,101,527	5,040	6,671,376	299,811	362,830	3,829	15,558,577
Instructional	1,160,818	123,186	237,783	104,593	195,499	411,653	1,021,771	7,832,210	-	8,501,469	258,925	339,977	300,680	20,488,562
Noncap Equipment	60,952	29,471	76,844	89,076	54,016	26,798	531,221	3,042,342	-	3,701,683	107,837	25,718	-	7,745,957
Merch for Resale	1,993,258	255,424	537,933	699,853	720,970	263	3,283,476	49,484,278	-	36,970,492	465,344	872,777	-	95,284,067
Repairs	541,681	120,313	315,433	66,851	109,230	161,360	818,738	8,334,779	-	8,986,702	322,841	90,584	893,830	20,762,342
Scholarships etc.	4,099,440	1,393,513	2,415,029	1,516,924	2,264,632	5,036,779	4,041,622	23,768,430	10,097	26,884,583	2,115,826	3,534,900	-	77,081,773
General	2,824,958	831,738	1,861,633	552,564	1,324,524	4,027,738	1,999,496	18,225,116	44,184	26,668,297	1,892,359	1,284,510	209,723	61,746,841
Capital Equipment	511,214	95,614	92,270	266,248	22,578	1,396,129	829,218	6,280,742	-	6,603,527	30,970	7,348	67,684	16,203,543
Capital Improvement	14,172	-	244,897	-	65,179	1,046,035	730,810	28,053,697	-	4,871,443	214,608	46,243	-	35,287,085
Recovery of Exp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>33,991,953</b>	<b>6,362,841</b>	<b>15,621,184</b>	<b>10,104,345</b>	<b>15,023,646</b>	<b>36,647,660</b>	<b>29,532,058</b>	<b>361,975,711</b>	<b>315,831</b>	<b>395,556,370</b>	<b>14,873,965</b>	<b>13,671,974</b>	<b>7,920,260</b>	<b>941,597,797</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	14,172	-	244,897	-	65,179	1,046,035	730,810	28,053,697	-	4,871,443	214,608	46,243	-	35,287,085
Com & Pub Util	608,489	109,496	338,648	93,136	248,580	708,704	734,350	9,796,205	-	8,724,210	254,218	152,108	579,281	22,347,424
Retail	4,711,894	722,960	1,405,094	1,421,582	1,433,721	3,211,162	6,203,104	73,976,703	6,542	64,484,727	1,288,883	1,665,046	375,668	160,907,084
FIRE	5,657,142	827,238	2,257,665	1,661,249	2,918,836	5,561,512	4,078,825	50,265,648	51,655	63,259,503	2,601,929	1,759,038	1,227,194	142,127,434
Bus & Pers Ser	7,440,479	1,378,219	3,585,056	1,469,948	2,194,479	6,889,449	4,299,971	53,222,149	61,098	63,046,576	3,207,792	2,158,922	2,424,276	151,378,414
Households	15,559,777	3,324,929	7,789,824	5,458,429	8,162,851	19,230,798	13,484,999	146,661,309	196,535	191,169,910	7,306,536	7,890,616	3,313,841	429,550,356
<b>TOTAL</b>	<b>33,991,953</b>	<b>6,362,841</b>	<b>15,621,184</b>	<b>10,104,345</b>	<b>15,023,646</b>	<b>36,647,660</b>	<b>29,532,058</b>	<b>361,975,711</b>	<b>315,831</b>	<b>395,556,370</b>	<b>14,873,965</b>	<b>13,671,974</b>	<b>7,920,260</b>	<b>941,597,797</b>

**Appendix Table B29. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2018 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,175,028	2,018,034	5,257,648	4,035,255	6,232,157	14,179,620	9,292,323	122,605,515	95,275	154,166,305	5,166,220	4,127,805	3,617,784	341,968,968
Fringe Benefits	4,755,314	826,234	2,195,523	1,693,053	3,188,768	5,666,130	4,277,367	49,093,175	34,194	54,372,922	2,333,068	1,652,442	1,462,138	131,550,329
Travel	250,936	220,618	786,568	203,364	365,912	931,885	633,237	10,695,728	4,851	10,212,123	319,147	357,597	35,832	25,017,797
Data Processing	282,682	104,227	229,552	173,184	93,037	303,906	517,186	2,947,355	-	3,638,127	263,947	201,111	1,682,312	10,436,626
Fees	2,483,024	137,283	556,114	263,748	787,387	1,048,730	530,980	13,399,598	37,946	22,386,970	291,519	194,404	24,599	42,142,302
Utilities	580,194	117,139	288,332	91,595	252,086	776,139	407,255	8,362,409	-	6,665,772	224,405	157,024	-	17,922,351
Communications	77,763	11,109	20,191	22,421	31,791	29,613	435,394	2,038,495	-	1,411,605	69,734	27,695	1,223,006	5,398,816
Insurance	86,520	9,294	51,677	22,062	31,276	62,686	46,078	611,108	-	1,311,439	40,314	36,409	-	2,308,863
Rents & Leases	763,214	19,866	92,701	111,847	114,181	141,395	104,859	2,812,525	190	6,665,173	411,380	45,961	600	11,283,892
Office	227,085	50,034	74,760	52,063	113,862	242,781	265,893	2,149,099	525	1,851,055	113,552	45,085	292	5,186,087
Supplies	764,459	251,836	360,199	223,342	531,623	1,099,383	277,217	5,185,403	3,353	9,246,064	274,713	422,625	14,937	18,655,154
Instructional	681,846	119,992	275,075	137,638	143,462	493,288	1,027,337	7,718,266	-	8,726,496	186,430	329,099	180,152	20,019,081
Noncap Equipment	38,606	38,793	206,985	224,376	141,053	43,160	347,009	2,117,703	100	2,318,581	139,726	95,356	73	5,711,521
Merch for Resale	2,140,715	284,771	487,453	749,025	694,377	-	2,835,526	49,304,952	-	30,846,401	406,991	519,209	-	88,269,421
Repairs	259,761	71,967	183,592	129,628	147,536	345,990	1,115,557	9,054,522	-	11,220,071	223,726	95,029	166,250	23,013,629
Scholarships etc.	4,011,130	1,491,946	2,608,082	1,769,645	2,336,266	5,367,661	4,547,169	26,375,258	207,500	26,789,236	2,315,655	3,183,669	500	81,003,217
General	2,261,576	807,759	1,978,839	573,362	1,545,615	4,033,934	2,264,447	21,358,387	66,037	31,966,867	1,983,148	1,840,906	401,632	71,082,509
Capital Equipment	116,689	189,811	38,984	160,383	175,601	275,554	332,643	4,680,052	-	5,938,014	53,408	342,672	166,521	12,470,332
Capital Improvement	-	-	5,755,077	120,444	1,135,373	1,216,085	188,263	32,953,201	-	5,125,971	401,507	8,372	-	46,904,292
Recovery of Exp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>30,956,543</b>	<b>6,770,713</b>	<b>21,447,352</b>	<b>10,756,436</b>	<b>18,061,362</b>	<b>36,257,939</b>	<b>29,445,740</b>	<b>373,462,750</b>	<b>449,971</b>	<b>394,859,192</b>	<b>15,218,591</b>	<b>13,682,469</b>	<b>8,976,629</b>	<b>960,345,186</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	-	-	5,755,077	120,444	1,135,373	1,216,085	188,263	32,953,201	-	5,125,971	401,507	8,372	-	46,904,292
Com & Pub Util	657,958	128,248	308,523	114,016	283,877	805,752	842,649	10,400,904	-	8,077,377	294,139	184,719	1,223,006	23,321,168
Retail	3,969,400	935,237	1,443,456	1,546,828	1,799,978	2,154,166	5,085,625	71,155,474	3,978	58,926,611	1,174,821	1,754,045	361,976	150,311,596
FIRE	5,605,048	855,394	2,339,902	1,826,961	3,334,224	5,870,211	4,428,304	52,516,808	34,384	62,349,534	2,784,762	1,734,813	1,462,738	145,143,083
Bus & Pers Ser	5,537,979	1,341,854	3,734,665	1,343,286	2,939,487	6,664,445	5,061,407	57,455,590	108,834	79,424,157	3,081,487	2,689,047	2,310,625	171,692,862
Households	15,186,158	3,509,980	7,865,730	5,804,900	8,568,424	19,547,281	13,839,491	148,980,773	302,775	180,955,541	7,481,874	7,311,474	3,618,284	422,972,685
<b>TOTAL</b>	<b>30,956,543</b>	<b>6,770,713</b>	<b>21,447,352</b>	<b>10,756,436</b>	<b>18,061,362</b>	<b>36,257,939</b>	<b>29,445,740</b>	<b>373,462,750</b>	<b>449,971</b>	<b>394,859,192</b>	<b>15,218,591</b>	<b>13,682,469</b>	<b>8,976,629</b>	<b>960,345,686</b>

**Appendix Table B30. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, and Allocation to the North Dakota Input-Output Model Sectors, Fiscal Year 2019 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,143,034	2,192,601	6,105,451	4,338,188	6,518,688	13,789,097	9,138,934	121,026,167	178,757	148,670,962	5,414,837	3,831,585	3,379,200	335,727,501
Fringe Benefits	4,937,835	880,916	2,596,557	1,766,352	3,352,822	5,639,039	3,813,256	47,661,700	51,831	53,966,284	2,397,751	1,500,145	1,365,257	129,929,745
Travel	298,635	251,184	704,481	280,320	385,386	1,401,054	671,963	10,700,610	3,643	11,348,562	529,922	341,519	87,991	27,005,269
Data Processing	668,309	137,207	298,305	137,410	132,522	348,784	622,303	3,668,384	-	4,971,868	325,507	110,517	1,682,500	13,103,617
Fees	861,528	192,892	327,156	274,449	827,164	1,214,808	401,354	14,474,397	71,643	22,943,509	249,296	167,785	99,791	42,105,771
Utilities	556,494	138,279	255,732	96,944	283,133	756,709	431,497	8,027,940	-	8,363,853	216,939	166,128	-	19,293,649
Communications	71,583	10,328	25,080	23,797	30,358	37,786	393,208	1,995,606	-	1,258,519	58,145	18,918	1,103,898	5,027,227
Insurance	83,622	9,492	51,946	23,578	34,338	67,993	56,789	638,211	-	1,444,865	41,013	42,667	-	2,494,514
Rents & Leases	909,107	21,199	95,098	132,834	109,930	154,558	137,305	2,913,361	-	7,080,436	412,686	55,059	1,995	12,023,568
Office	229,374	56,474	84,956	66,803	118,336	253,311	238,538	2,158,928	-	1,760,112	101,072	45,959	1,304	5,115,168
Supplies	957,090	232,564	421,486	269,047	547,333	1,351,592	295,944	4,877,800	1,335	32,810,356	333,933	391,946	3,903	42,494,330
Instructional	720,067	105,393	273,101	92,444	142,938	488,139	1,235,084	7,905,234	419	8,187,701	147,395	222,041	182,078	19,702,034
Noncap Equipment	1,750	93,033	65,622	125,195	60,375	69,521	215,583	2,256,260	30	1,659,092	125,277	102,404	15,357	4,789,499
Merch for Resale	2,126,099	347,050	(525)	732,924	732,970	753	2,601,371	63,616,845	-	37,916,733	300,067	549,892	-	108,924,178
Repairs	366,302	252,179	156,864	272,780	199,645	161,704	1,070,351	9,907,174	-	10,665,193	271,217	67,993	282,495	23,673,896
Scholarships etc.	4,089,766	1,650,186	2,660,650	1,797,427	2,399,627	5,341,063	4,319,744	26,196,550	715,101	28,853,899	2,847,783	3,797,951	500	84,669,749
General	2,015,261	950,538	2,279,890	638,901	1,681,020	8,572,852	4,697,027	21,854,246	1,783	38,447,328	1,895,286	1,842,701	801,058	85,677,891
Capital Equipment	287,038	47,449	40,957	136,866	33,229	257,039	315,662	5,740,997	-	4,447,079	119,317	190,645	8,382	11,624,660
Capital Improvement	9,500	12,685	4,832,248	70,191	815,900	3,436,837	17,574	45,765,320	-	60,716,677	845,928	57,471	-	116,580,332
Recovery of Exp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>30,332,395</b>	<b>7,581,649</b>	<b>21,275,055</b>	<b>11,276,451</b>	<b>18,405,716</b>	<b>43,342,638</b>	<b>30,673,487</b>	<b>401,385,730</b>	<b>1,024,543</b>	<b>485,513,025</b>	<b>16,633,373</b>	<b>13,503,328</b>	<b>9,015,709</b>	<b>1,089,962,597</b>
Sector	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Construction	9,500	12,685	4,832,248	70,191	815,900	3,436,837	17,574	45,765,320	-	60,716,677	845,928	57,471	-	116,580,332
Com & Pub Util	628,077	148,607	280,812	120,741	313,491	794,495	824,705	10,023,547	-	9,622,372	275,084	185,046	1,103,898	24,320,876
Retail	4,321,417	881,963	885,596	1,423,279	1,635,182	2,420,353	4,902,182	86,556,065	1,784	86,781,072	1,127,062	1,502,889	211,024	192,649,868
FIRE	5,930,564	911,607	2,743,601	1,922,764	3,497,090	5,861,590	4,007,351	51,213,272	51,831	62,491,585	2,851,451	1,597,871	1,367,252	144,447,826
Bus & Pers Ser	4,210,035	1,784,000	3,766,697	1,603,860	3,225,737	11,699,203	7,462,998	60,604,809	77,069	88,376,458	3,271,228	2,530,515	2,953,835	191,566,445
Households	15,232,800	3,842,788	8,766,101	6,135,615	8,918,315	19,130,160	13,458,677	147,222,717	893,859	177,524,861	8,262,620	7,629,536	3,379,700	420,397,750
<b>TOTAL</b>	<b>30,332,395</b>	<b>7,581,649</b>	<b>21,275,055</b>	<b>11,276,451</b>	<b>18,405,716</b>	<b>43,342,638</b>	<b>30,673,487</b>	<b>401,385,730</b>	<b>1,024,543</b>	<b>485,513,025</b>	<b>16,633,373</b>	<b>13,503,328</b>	<b>9,015,709</b>	<b>1,089,963,097</b>

**Appendix Table B31. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2020 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSCS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,577,073	2,269,845	6,023,144	4,304,795	6,874,411	14,404,580	8,949,973	123,317,622	98,153	161,315,030	5,632,966	3,040,748	3,521,145	351,329,488
Fringe Benefits	5,340,917	954,338	184,856	1,854,535	3,784,757	6,268,739	4,219,638	51,083,421	36,546	62,973,131	2,644,259	1,254,541	1,505,435	142,105,113
Travel	262,120	244,682	273,201	238,999	286,419	940,645	426,348	8,875,597	3,592	8,544,006	236,497	220,457	51,759	20,604,322
Data Processing	529,198	76,162	29,905	157,696	144,342	392,990	401,154	3,867,459	479	6,122,945	462,880	155,719	1,293,324	13,634,254
Fees	596,001	222,344	303,106	344,984	778,807	877,411	737,916	11,839,715	4,137	20,284,692	964,321	175,350	265,033	37,393,817
Utilities	651,466	103,400	104,237	84,661	231,256	663,726	353,138	7,776,931		8,156,795	211,968	122,090		18,459,667
Communications	83,366	10,033	177,262	22,342	35,667	31,884	399,521	1,799,606	765	1,098,693	59,254	16,551	942,890	4,677,834
Insurance	88,827	13,472	14,328	24,087	27,963	78,299	43,484	681,445		1,598,204	41,567	33,375		2,645,052
Rents & Leases	725,554	17,614	42,130	115,558	109,089	121,881	137,794	2,713,250		6,024,023	377,868	41,260	4,138	10,430,158
Office	183,339	63,763	283,314	67,141	96,057	203,045	209,412	1,990,517	356	1,489,497	128,853	18,355	1,633	4,735,281
Supplies	991,454	339,063		209,883	457,431	1,113,647	243,424	4,906,907	3	8,230,442	266,574	332,767	13,594	17,105,190
Instructional	637,163	195,018	332,775	138,831	219,505	542,469	1,137,939	7,479,121	1,581	8,334,881	104,583	404,532	182,030	19,710,428
Noncap Equipment	34,758	53,637		71,618	184,295	47,433	170,347	2,338,965		1,643,021	179,560	70,497	1,682	4,795,814
Merch for Resale	2,140,596	336,081	2,828,407	672,113	627,824		2,397,506	33,086,345		38,514,608	520,903	522,262		81,646,645
Repairs	602,418	172,774	720	171,813	140,276	128,740	995,130	10,809,989		11,770,277	451,923	71,512	103,109	25,418,683
Scholarships etc.	4,417,365	1,759,489		1,889,691	2,303,662	5,684,766	4,310,435	26,840,335	375,000	30,605,329	3,216,781	3,956,555	500	85,359,907
General	2,152,727	1,905,455		633,399	1,599,970	4,660,269	1,612,918	21,356,752	7,170	43,973,068	1,860,384	2,174,946	2,286,180	84,223,239
Capital Equipment	602,913	53,107		83,578	131,193	295,809	95,973	5,385,628		5,420,655	168,328	167,062	77,352	12,481,597
Capital Improvement	284,238	3,249		4,110		474,805	708,524	11,155,253		65,630,499	510,662	3,389,730		82,161,070
Recovery of Exp														
TOTAL	31,901,495	8,793,525	10,597,386	11,089,835	18,032,924	36,931,139	27,550,573	337,304,857	527,782	491,729,797	18,040,131	16,168,311	10,249,805	1,018,917,559

**Appendix Table B32. Operations Expenditures, Non-General Funds, North Dakota University System and Member Institutions, by Budget Category, Fiscal Year 2021 (Current Year Dollars)**

Category	BSC	DCB	DSU	LRSC	MaSU	MiSU	NDSUS	NDSU	NDUS	UND	VCSU	WSC	CTS	TOTAL
Wages & Salaries	11,920,557	2,462,763	5,351,049	4,140,825	7,303,437	14,077,938	8,990,771	129,752,739	151,732	174,618,570	5,800,138	3,022,286	3,521,145	371,113,950
Fringe Benefits	5,280,933	1,045,069	2,420,873	1,746,760	3,624,668	5,990,392	4,045,592	51,317,725	41,601	65,316,611	2,754,268	1,182,316	1,505,435	146,272,243
Travel	142,021	202,677	536,109	150,142	207,247	597,286	290,247	5,016,103	763	6,332,320	186,938	92,476	51,759	13,806,088
Data Processing	527,006	192,712	1,468,403	517,879	632,964	610,375	2,774,600	7,202,752		11,431,621	540,498	475,906	1,293,324	27,668,040
Fees	712,257	218,014	265,625	265,141	1,041,720	496,019	2,677,384	16,761,818	6,427	46,634,768	232,488	146,684	265,033	69,723,378
Utilities	643,527	88,423	273,673	93,889	200,077	791,804	351,687	8,447,702		8,244,862	226,411	120,358		19,482,413
Communications	74,076	10,226	31,473	19,541	37,037	30,811	387,253	1,695,230	603	1,351,509	59,715	16,823	942,890	4,657,187
Insurance	92,129	12,478	83,246	28,491	26,494	78,779	54,859	709,187		2,468,422	40,722	45,199		3,640,006
Rents & Leases	671,744	45,517	113,346	79,922	110,321	134,825	123,219	2,126,348		6,239,164	350,908	46,303	4,138	10,045,755
Office	232,255	63,702	73,360	92,344	98,384	218,793	198,373	1,498,500	1,187	1,512,288	120,973	21,738	1,633	4,133,530
Supplies	2,671,478	477,541	539,679	343,345	559,073	2,738,529	1,538,737	5,098,010		11,136,978	387,098	279,660	13,594	25,783,722
Instructional	798,920	334,941	275,891	139,984	265,323	591,576	1,543,312	7,060,566	446	9,379,290	140,551	198,120	182,030	20,910,950
Noncap Equipment	206,092	163,359	463,619	113,736	190,000	107,937	458,040	6,407,895	27,623	2,979,438	336,067	574,546	1,682	12,030,034
Merch for Resale	2,117,305	357,056		667,251	591,148	560	2,687,940	52,813,623		36,391,566	329,009	504,339		96,459,797
Repairs	996,471	148,910	380,200	145,524	126,948	239,752	1,011,605	13,378,471		12,597,578	250,421	106,988	103,109	29,485,977
Scholarships etc.	6,174,566	1,629,428	3,199,850	1,707,521	2,213,439	5,771,915	4,117,850	25,723,599	350,750	31,011,386	3,091,949	3,681,020	500	88,673,773
General	2,476,107	1,352,765	2,050,554	566,357	1,394,093	4,703,717	2,374,440	19,836,544	8,003	52,549,133	1,726,578	2,283,514	2,286,180	93,607,985
Capital Equipment	1,278,279	114,557	696,613	199,818	241,623	634,657	1,639,928	13,512,930		7,899,495	158,332	461,225	77,352	26,914,809
Capital Improvement	188,772	799,121	446,289	21,750	311,591		639,012	32,450,479		68,621,587	181,729	4,029,743		107,690,073
Recovery of Exp														
<b>TOTAL</b>	<b>37,204,494</b>	<b>9,719,259</b>	<b>18,669,852</b>	<b>11,040,220</b>	<b>19,175,586</b>	<b>37,815,665</b>	<b>35,904,848</b>	<b>400,810,222</b>	<b>589,136</b>	<b>556,716,585</b>	<b>16,914,793</b>	<b>17,289,245</b>	<b>10,249,805</b>	<b>1,172,099,710</b>

**Appendix C**  
Historic Fall Student Enrollment and Student Expenditures

**Appendix Table C1. North Dakota University System Fall Student Enrollment, Selected Years 1999-2021**

Institution	1999			2004			2005			2006		
	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>
<b>Bismarck State College</b>	2,743	1,975	2,326	3,546	2,330	2,800	3,370	2,151	2,602	3,477	2,192	2,651
<b>Dickinson State University</b>	1,867	1,485	1,638	2,479	1,749	2,034	2,516	1,755	2,031	2,572	1,729	2,059
<b>Lake Region State College</b>	805	355	506	1,464	416	738	1,471	409	738	1,508	391	750
<b>Mayville State University</b>	851	592	692	897	665	761	912	625	722	832	554	652
<b>Minot State University</b>	3,155	2,466	2,753	3,851	2,521	3,022	3,798	2,585	3,063	3,712	2,540	2,928
<b>Dakota College Bottineau</b>	508	441	498	602	356	447	523	316	386	605	306	399
<b>ND State College of Science</b>	2,345	2,162	2,503	2,481	1,920	2,271	2,457	1,852	2,223	2,490	1,799	2,171
<b>North Dakota State University</b>	9,638	7,813	8,775	12,026	9,536	10,692	12,099	9,894	10,752	12,258	10,053	10,890
<b>University of North Dakota</b>	10,590	8,544	9,417	13,187	10,601	11,815	12,954	10,270	11,531	12,834	10,460	11,381
<b>Valley City State University</b>	1,077	796	956	1,033	833	956 <sup>4</sup>	1,035	785	899	1,037	717	844
<b>Williston State College</b>	714	582	656	937	568	709	947	557	702	912	505	648
<b>TOTAL</b>	34,293	27,211	30,720	42,503	31,495	36,245	42,082	31,199	35,649	42,237	31,246	35,373

<sup>1</sup> Headcount is all students enrolled regardless of number of credit hours.

<sup>2</sup> Full-time is students enrolled in 12 credit hours or more.

<sup>3</sup> In August 2006, the SBHE changed the definition of undergraduate FTE to 15 credit hours from 16. This new definition is compatible with National Integrated Post- Secondary Education Data System (IPEDS) reporting requirements. FTE students is calculated by dividing accumulated undergraduate student credit hours by 15 credit hours plus total graduate credit hours by 12. A professional student is counted as one FTE.

Appendix Table C1. Continued												
	2007			2008			2009			2010		
Institution	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>
Bismarck State College	3,591	2,345	2,792	3,788	2,492	2,937	4,020	2,708	3,160	4,177	2,743	3,208
Dickinson State University	2,670	1,778	2,158	2,730	1,891	2,294	2,767	1797	2,187	2,485	1,684	2,054
Lake Region State College	1,520	414	764	1,657	419	784	1,702	490	868	1,913	524	921
Mayville State University	769	478	586	789	449	563	887	544	662	982	552	704
Minot State University	3,424	2,358	2,730	3,432	2,350	2,720	3,649	2416	2,832	3,866	2,557	3,002
Dakota College Bottineau	637	303	402	655	345	440	748	348	490	863	399	540
ND State College of Science	2,417	1,746	2,097	2,545	1,595	2,041	2,651	1,590	2,076	2,833	1,703	2,217
North Dakota State University	12,527	10,342	11,221	13,229	11,004	11,794	14,189	11,679	12,577	14,407	11,857	12,708
University of North Dakota	12,559	9,976	10,967	12,748	10,192	11,137	13,172	10,215	11,306	14,194	10,845	12,018
Valley City State University	982	682	807	1,019	682	823	1,083	695	833	1,285	785	957
Williston State College	731	428	551	850	399	562	949	419	573	932	391	570
<b>TOTAL</b>	<b>41,827</b>	<b>30,850</b>	<b>35,075</b>	<b>43,442</b>	<b>31,818</b>	<b>36,095</b>	<b>45,817</b>	<b>32,901</b>	<b>37,564</b>	<b>47,937</b>	<b>34,041</b>	<b>38,899</b>

<sup>1</sup> Headcount is all students enrolled regardless of number of credit hours.  
<sup>2</sup> Full-time is students enrolled in 12 credit hours or more.  
<sup>3</sup> In August 2006, the SBHE changed the definition of undergraduate FTE to 15 credit hours from 16. This new definition is compatible with National Integrated Post- Secondary Education Data System (IPEDS) reporting requirements. FTE students is calculated by dividing accumulated undergraduate student credit hours by 15 credit hours plus total graduate credit hours by 12. A professional student is counted as one FTE.



**Appendix Table C1. Continued**

	2011			2012			2013		
Institution	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>
<b>Bismarck State College</b>	4,392	2,631	3,209	4,109	2,416	2,990	4,062	2,365	2,955
<b>Dickinson State University</b>	2,346	1,629	1,959	1,837	1,218	1,454	1,449	1,018	1,201
<b>Lake Region State College</b>	2,056	518	988	1,974	524	973	1,898	486	943
<b>Mayville State University</b>	970	568	704	1,020	614	759	1,065	587	749
<b>Minot State University</b>	3,657	2,356	2,795	3,560	2,279	2,731	3,533	2,273	2,710
<b>Dakota College Bottineau</b>	812	414	524	774	348	474	793	367	502
<b>ND State College of Science</b>	3,127	1,791	2,366	3,066	1,807	2,354	3,168	1,712	2,295
<b>North Dakota State University</b>	14,399	11,675	12,606	14,443	11,733	12,707	14,269	11,798	12,797
<b>University of North Dakota</b>	14,697	10,992	12,319	15,250	11,382	12,729	15,143	11,160	12,606
<b>Valley City State University</b>	1,384	829	1,011	1,362	799	995	1,366	761	975
<b>Williston State College</b>	993	415	608	808	418	537	909	430	593
<b>TOTAL</b>	<b>48,833</b>	<b>33,818</b>	<b>39,089</b>	<b>48,203</b>	<b>33,583</b>	<b>38,703</b>	<b>48,015</b>	<b>32,957</b>	<b>38,326</b>

<sup>1</sup> Headcount is all students enrolled regardless of number of credit hours.

<sup>2</sup> Full-time is students enrolled in 12 credit hours or more.

<sup>3</sup> In August 2006, the SBHE changed the definition of undergraduate FTE to 15 credit hours from 16. This new definition is compatible with National Integrated Post-Secondary Education Data System (IPEDS) reporting requirements. FTE students is calculated by dividing accumulated undergraduate student credit hours by 15 credit hours plus total graduate credit hours by 12. A professional student is counted as one FTE.

**Appendix Table C1. Continued**

	2014			2015			2016			2017		
Institution	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>
<b>Bismarck State College</b>	4,002	2,303	2,909	4,078	2,281	2,912	3,976	2,241	2,860	3,756	2,067	2,646
<b>Dickinson State University</b>	1,479	980	1,176	1,317	896	1,070	1,386	912	1,114	1,425	922	1,128
<b>Lake Region State College</b>	1,988	530	978	1,918	535	981	1,947	501	971	1,972	527	995
<b>Mayville State University</b>	1,081	635	798	1,110	638	796	1,130	613	782	1,140	602	784
<b>Minot State University</b>	3,410	2,191	2,600	3,348	2,128	2,570	3,412	2,132	2,592	3,216	2,062	2,467
<b>Dakota College Bottineau</b>	753	398	518	692	341	459	811	344	490	909	346	527
<b>ND State College of Science</b>	3,033	1,706	2,272	3,123	1,694	2,305	3,003	1,753	2,298	2,985	1,707	2,253
<b>North Dakota State University</b>	14,747	11,917	12,934	14,516	10,867	12,834	14,432	11,680	12,783	14,358	11,768	12,784
<b>University of North Dakota</b>	14,906	10,786	12,420	14,951	11,382	12,455	14,648	10,576	12,182	14,406	10,275	11,964
<b>Valley City State University</b>	1,378	783	990	1,422	789	1,031	1,452	802	1,044	1,522	846	1,086
<b>Williston State College</b>	883	421	579	1,038	603	738	1,039	620	756	1,098	615	763
<b>TOTAL</b>	47,660	32,650	38,174	47,513	32,456	38,151	47,236	32,174	37,872	46,787	31,737	37,397

<sup>1</sup> Headcount is all students enrolled regardless of number of credit hours.

<sup>2</sup> Full-time is students enrolled in 12 credit hours or more.

<sup>3</sup> In August 2006, the SBHE changed the definition of undergraduate FTE to 15 credit hours from 16. This new definition is compatible with National Integrated Post-Secondary Education Data System (IPEDS) reporting requirements. FTE students is calculated by dividing accumulated undergraduate student credit hours by 15 credit hours plus total graduate credit hours by 12. A professional student is counted as one FTE.

**Appendix Table C1. Continued**

Institution	2018			2019			2020			2021		
	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>	HC <sup>1</sup>	FT <sup>2</sup>	FTE <sup>3</sup>
<b>Bismarck State College</b>	3,778	2,040	2,611	3,739	2,033	2,500	3,716	1,955	2,558	3,549	1,826	2,390
<b>Dickinson State University</b>	1,392	902	1,090	1,350	929	1,093	1,441	967	1,147	1,415	990	1,154
<b>Lake Region State College</b>	2,072	538	1,005	1,982	515	974	1,771	468	867	1,621	422	791
<b>Mayville State University</b>	1,184	613	817	1,212	591	801	1,168	607	801	1,172	622	815
<b>Minot State University</b>	3,189	2,093	2,483	3,121	2,026	2,399	2,920	1,948	2,273	2,836	1,961	2,242
<b>Dakota College Bottineau</b>	996	395	590	1,006	390	596	1,060	312	552	1,162	351	615
<b>ND State College of Science</b>	2,957	1,589	2,126	2,977	1,522	2,076	2,829	1,485	2,020	2,802	1,475	2,029
<b>North Dakota State University</b>	13,796	11,269	12,394	13,173	10,659	11,704	12,846	10,347	11,252	12,461	10,026	10,861
<b>University of North Dakota</b>	13,847	9,935	11,585	13,581	9,324	11,164	13,615	8,918	10,933	13,772	8,795	10,842
<b>Valley City State University</b>	1,547	872	1,096	1,665	909	1,164	1,676	899	1,160	1,686	826	1,090
<b>Williston State College</b>	1,124	645	806	1,132	626	483	959	573	703	908	565	668
<b>TOTAL</b>	45,882	30,891	36,603	44,938	29,524	34,954	44,001	28,479	34,266	43,384	27,859	33,497

<sup>1</sup> Headcount is all students enrolled regardless of number of credit hours.

<sup>2</sup> Full-time is students enrolled in 12 credit hours or more.

<sup>3</sup> In August 2006, the SBHE changed the definition of undergraduate FTE to 15 credit hours from 16. This new definition is compatible with National Integrated Post-Secondary Education Data System (IPEDS) reporting requirements. FTE students is calculated by dividing accumulated undergraduate student credit hours by 15 credit hours plus total graduate credit hours by 12. A professional student is counted as one FTE.

**Appendix Table C2. Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2013-2014 Academic Year**

Institution	Fall 2013 FTE Enrollment	Living Expenses Per Student <sup>1</sup>	Total Expenditures
		----- \$ -----	
Bismarck State College	2,955	10,390	30,702,450
Dickinson State University	1,201	10,082	12,108,482
Lake Region State College	943	9,670	9,118,810
Mayville State University	749	10,422	7,806,078
Minot State University	2,710	10,050	27,235,500
Dakota College Bottineau	502	9,887	4,963,274
ND State College of Science	2,295	9,784	22,454,280
North Dakota State University	12,797	12,040	154,075,880
University of North Dakota	12,606	10,986	138,489,516
Valley City State University	975	10,370	10,110,750
Williston State College	593	14,280	8,468,040
<b>Total</b>	<b>38,326</b>		<b>425,533,060</b>

Source: North Dakota Career Resource Network (2014).

<sup>1</sup> Annual expenses included room and board, books and supplies, and personal and recreational spending. Personal and recreational spending, when averaged across all 11 universities, was about \$3,400

**Appendix Table C3. Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2014-2015 Academic Year**

Institution	Fall 2014 FTE Enrollment	Living Expenses Per Student <sup>1</sup>	Total Expenditures
		----- \$ -----	
Bismarck State College	2,909	10,556	30,707,404
Dickinson State University	1,176	10,450	12,289,200
Lake Region State College	978	9,937	9,718,386
Mayville State University	798	10,852	8,659,896
Minot State University	2,600	10,120	26,312,000
Dakota College Bottineau	518	10,169	5,267,542
ND State College of Science	2,272	9,926	22,551,872
North Dakota State University	12,934	11,984	155,001,056
University of North Dakota	12,420	11,210	139,228,200
Valley City State University	990	10,538	10,432,620
Williston State College	579	12,316	7,130,964
<b>Total</b>	<b>38,174</b>		<b>427,299,140</b>

Source: North Dakota Career Resource Network (2015).

<sup>1</sup> Annual expenses included room and board, books and supplies, and personal and recreational spending. Personal and recreational spending, when averaged across all 11 universities, was about \$3,400

**Appendix Table C4. Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2017-2018 Academic Year**

Institution	Fall 2017 FTE Enrollment	Living Expenses Per Student <sup>1</sup>	Total Expenditures
		----- \$ -----	
Bismarck State College	2,646	11,892	31,466,232
Dickinson State University	1,128	11,244	12,683,232
Lake Region State College	995	10,950	10,895,250
Mayville State University	784	10,270	8,051,680
Minot State University	2,467	11,339	27,973,313
Dakota College Bottineau	527	10,830	5,707,410
ND State College of Science	2,253	10,561	23,793,933
North Dakota State University	12,784	12,626	161,410,784
University of North Dakota	11,964	12,648	151,320,672
Valley City State University	1,086	10,902	11,839,572
Williston State College	763	13,320	10,163,160
<b>Total</b>	<b>37,397</b>		<b>455,305,238</b>

Source: North Dakota Career Resource Network (2018).

<sup>1</sup> Annual expenses included room and board, books and supplies, and personal and recreational spending. Personal and recreational spending, when averaged across all 11 universities, was about \$3,395

**Appendix Table C5. Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2018-2019 Academic Year**

Institution	Fall 2018 FTE Enrollment	Living Expenses Per Student <sup>1</sup>	Total Expenditures
		----- \$ -----	
Bismarck State College	2,611	12,000	31,332,000
Dickinson State University	1,090	11,664	12,713,760
Lake Region State College	1,005	11,410	11,467,050
Mayville State University	817	10,810	8,831,770
Minot State University	2,483	11,336	28,147,288
Dakota College Bottineau	590	11,080	6,537,200
ND State College of Science	2,126	10,623	22,584,498
North Dakota State University	12,394	12,835	159,076,990
University of North Dakota	11,585	13,396	155,192,660
Valley City State University	1,096	11,017	12,074,632
Williston State College	806	12,218	9,847,708
<b>Total</b>	<b>36,603</b>		<b>457,805,556</b>

Source: North Dakota Career Resource Network (2019).

<sup>1</sup> Annual expenses included room and board, books and supplies, and personal and recreational spending. Personal and recreational spending, when averaged across all 11 universities, was about \$3,451

**Appendix Table C6. Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2019-2020 Academic Year**

Institution	Fall 2019 FTE Enrollment	Living Expenses Per Student <sup>1</sup>	Total Expenditures
		----- \$ -----	
Bismarck State College	2,500	12,408	31,020,000
Dickinson State University	1,093	12,140	13,269,020
Lake Region State College	974	11,620	11,317,880
Mayville State University	801	10,975	8,790,975
Minot State University	2,399	11,794	28,293,806
Dakota College Bottineau	596	11,265	6,713,940
ND State College of Science	2,076	10,758	22,333,608
North Dakota State University	11,704	13,142	153,813,968
University of North Dakota	11,164	14,222	158,774,408
Valley City State University	1,164	11,236	13,078,704
Williston State College	483	12,328	5,954,424
<b>Total</b>	<b>34,954</b>		<b>453,360,733</b>

Source: North Dakota Career Resource Network (2020).

<sup>1</sup> Annual expenses included room and board, books and supplies, and personal and recreational spending. Personal and recreational spending, when averaged across all 11 universities, was about \$3,466

**Appendix Table C7. Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending North Dakota University System Institutions, 2020-2021 Academic Year**

Institution	Fall 2020 FTE Enrollment	Living Expenses Per Student <sup>1</sup>	Total Expenditures
		----- \$ -----	
Bismarck State College	2,558	11,556	29,559,225
Dickinson State University	1,147	12,095	13,872,965
Lake Region State College	867	11,556	10,018,705
Mayville State University	801	11,895	9,527,895
Minot State University	2,273	12,084	27,466,932
Dakota College Bottineau	552	11,656	6,433,891
ND State College of Science	2,020	11,556	23,342,312
North Dakota State University	11,252	13,781	155,063,812
University of North Dakota	10,933	13,781	150,667,673
Valley City State University	1,160	11,995	13,914,200
Williston State College	703	11,656	8,193,887
<b>Total</b>	<b>34,266</b>	<b>133,609</b>	<b>448,061,497</b>

Source: North Dakota Career Resource Network (2021).

<sup>1</sup> Annual expenses included room and board, books and supplies, and personal and recreational spending. Personal and recreational spending, when averaged across all 11 universities, was about \$3,486

**Appendix Table C8. Direct Economic Effects (Expenditures) for Student Living Expenses, Students Attending NDUS Institutions, 2021-2022 Academic Year**

Institution	Fall 2021 FTE Enrollment	Living Expenses Per Student <sup>1</sup>	Total Expenditures
		----- \$ -----	
Bismarck State College	2,390	12,022	28,733,536
Dickinson State University	1,154	12,535	14,465,390
Lake Region State College	791	12,022	9,509,718
Mayville State University	815	12,335	10,053,025
Minot State University	2,242	11,642	26,101,364
Dakota College Bottineau	615	12,022	7,393,776
ND State College of Science	2,029	12,022	24,393,450
North Dakota State University	10,861	13,723	149,045,503
University of North Dakota	10,842	13,723	148,784,766
Valley City State University	1,090	12,435	13,554,150
Williston State College	668	12,122	8,097,763
<b>Total</b>	<b>33,497</b>	<b>136,605</b>	<b>440,132,441</b>

Source: North Dakota Career Resource Network (2022).

<sup>1</sup> Annual expenses included room and board, books and supplies, and personal and recreational spending. Personal and recreational spending, when averaged across all 11 universities, was about \$3,539