Stewardship of Public Higher Education in South Dakota
The 2020 Mission Statement

• Excellent, efficient, accessible, equitable, and affordable public university and special schools system

  ▪ improves educational attainment and research productivity,

  ▪ while enriching the intellectual, economic, civic, social, and cultural life of the state, its residents, and its communities.
Regents’ Mission Includes Schools Serving Special K-12 Populations in South Dakota

- **South Dakota School for the Blind & Visually Impaired**
  - Aberdeen campus
    - Meets educational needs of students birth to 21 who are blind, visually impaired, or multi-handicapped.
    - Curriculum blends academic coursework and expanded core curriculum skills to address each student’s individual learning modes and achieve their maximum independence.
  - Statewide outreach
    - Outreach vision consultants provide information, recommendations, and assistance to students, families, and educators across the state.
Regents’ Mission Includes Schools Serving Special K-12 Populations in South Dakota

- **South Dakota School for the Deaf**
  - Statewide outreach
    - Comprehensive educational evaluations and assistance with instructional design, serving children, parents, and teachers across South Dakota.
  - Bilingual deaf education program offered through contract with Harrisburg School District.
The state of public higher education in SD
Higher Education

• Attracts income
• Generates income
• Attracts business
• Enhances individual wealth
Attracts Income

• $272 million in federal money in FY16
  • Compares to $201 million from General Fund

Source: SDBOR FY2017 Fact Book
Economic Impact of the SD Public University System

Study Sponsors
- SD Board of Regents
- SD Chamber of Commerce & Industry

Research Team
- Michael Allgrunn, Associate Professor of Economics, USD
- Travis L. Letellier, Visiting Assistant Professor of Economics, USD
- Joslynn Clauson, Research Assistant
Generates Income

• $2.66 BILLION
  • South Dakota public universities generated about $2.66 billion of annual economic impact to South Dakota.
  • State’s investment was $197 million in Fiscal Year 2016.

Source: The Economic Impact of the SD Public University System, November 2016
Generates Income

• **$162 MILLION**
  - Sales and property tax revenues of $162 million due to economic activity generated by the public universities.

*Source: The Economic Impact of the SD Public University System, November 2016*
Generates Income

• **5,628 full-time jobs**
  • Public universities directly supported 5,628 jobs in SD.

• **21,950 other jobs**
  • Other SD industries generated 21,950 jobs as a result of the state’s public universities.

Source: The Economic Impact of the SD Public University System, November 2016
Generates Income

Annual economic impact of the state’s public universities has grown by 35% since 2010!

- 2016
  - SD public universities generate about $2.66 BILLION in annual economic impact to South Dakota.

- 2010
  - SD public universities generate about $1.97 BILLION in annual economic impact to South Dakota.
Attracts Business

- Workforce
- Family benefits
- Social and economic climate

- Business expertise
- Research partnerships
A Matter of Degrees:
The Effect of Educational Attainment on Regional Economic Prosperity
Milken Institute Study

A Matter of Degrees: The effect of educational attainment on regional economic prosperity

• Key Findings:
  • Education increases regional prosperity
  • Better educated, bigger benefits.

Add one year of college to the region’s workforce, and GDP per capita jumps 17.4%
Enhances Individual Income

Median Lifetime Earnings in Millions

- Less than HS: $0.973 M
- Some College: $1.547 M
- Associate: $1.727 M
- Bachelor’s: $2.268 M
- Master’s: $2.671 M
- Doctoral: $3.252 M
- Professional: $3.648 M

+59%
+78%
+133%
+175%
+234%
+275%


Note: Salary wage calculations based on median earning data, numbers in millions.
New US High-Paying Jobs by Degree Level

2010-2014

(in Thousands)

Bachelor's Degree or Higher: 2,800
Some College or Associate Degree: 152
High School or Less: -39

Source: Georgetown University Center on Education and the Workforce (2015). *Good Jobs are Back: College Graduates are First in Line*
Strengthening South Dakota Economic, Social, and Human Capital

- Higher state revenue
- Less welfare
- Better Health and Retirement
- Less Crime
- More charitable giving
- Increased voter participation and civic engagement

Goals

- **Student Success**
  - Increase degree production
65 Percent by 2025!

- Goal is based on projections that roughly 65% of all jobs in our state will require some level of postsecondary education by 2020.
  - Data from Georgetown University Public Policy Institute’s Center on Education and the Workforce.
65 Percent by 2025 Strategies

Examples:

- Enact proactive admission
- Increase first-year enrollment of traditional age students
- Marketing campaign for for non-traditional students/students with credits
- Increase use of Prior Learning Assessment
- College Application Week
Projected Revenues from Meeting 65% Goal

Source: NCHEMS; CLASP
Programs Fostering Early Completion

• 15-to-Finish Models

• Reduce credit hour graduation requirement from 128 to 120

• Corequisite remediation models

• Exploratory Studies – Reduce “Catalog Wandering”

• Redesign General Education & Transfer Framework
Dual Credit Enrollments

HSDC Enrollments by Semester Type

Fall Enrollments

Spring Enrollments

Summer Enrollments

2014 1,333

2015 1,632

2016 2,590

2014 2173

2015 2,307

2016 352

0 500 1,000 1,500 2,000 2,500 3,000

2014 2015 2016
Dual Credit Grades

High School Dual Credit Program Grades by Percentage

- A: 53.8%
- B: 29.3%
- C: 8.9%
- D: 2.3%
- F: 2.4%
- W: 3.1%
- Other: 0.2%

Success Rates
ABC Rate: 92% since HSDC program started
DFW Rate: 8% since HSDC program started

Increase in Success Rates:
Fall 2016 Semester ABC Rate: 94%
Affordability Measures Pay Off

- Reduction of Credit Hours Required for Degree
- Governor’s Dual Credit Program
- Exploratory Studies

Potential Savings = 17%
Improving System Completion

18% Increase in Total Graduates Since FY11

Total Graduates

FY11: 5,599
FY12: 5,858
FY13: 6,355
FY14: 6,172
FY15: 6,346
FY16: 6,614
At Risk Student Completions

<table>
<thead>
<tr>
<th>Category</th>
<th>FY11</th>
<th>FY16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amer.Ind</td>
<td>108</td>
<td>145</td>
</tr>
<tr>
<td>Nontrad</td>
<td>990</td>
<td>1,287</td>
</tr>
<tr>
<td>Underprepared</td>
<td>1,320</td>
<td>1,342</td>
</tr>
<tr>
<td>Low Income</td>
<td>2,343</td>
<td>2,641</td>
</tr>
</tbody>
</table>

Amer.Ind: 12% increase, Nontrad: 34% increase, Underprepared: 30% increase, Low Income: 1.7% increase
Goals

- **Academic Quality and Performance**
  - Document that academic programs are of the highest quality.
Responsive Academic Programming

- Rigorous Approval Process for New Programs
  - Initial Intent to Plan Request
  - Formal Program Approval

Campus Review
  (Faculty, Departments, Committees, Industry Representatives)

System Review
  (Board Staff, System Provosts/Presidents, Consultants)

Board Review & Approval
## Programs Added/Terminated 2014-2016

### Last 3 Years

<table>
<thead>
<tr>
<th></th>
<th>+</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Associate &amp; Bachelor’s Degrees</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>Undergraduate Minors</td>
<td>23</td>
<td>6</td>
</tr>
<tr>
<td>Graduate Degrees</td>
<td>14</td>
<td>3</td>
</tr>
</tbody>
</table>
Filling the Workforce Pipeline

• Preparing South Dakotans for tomorrow’s workforce

2015-2016 Degrees from SD Public Universities

Source: Regents’ Information Systems
2020 Vision: The South Dakota Science and Innovation Strategy

- Graduate programs to foster new innovations

<table>
<thead>
<tr>
<th>Year</th>
<th>STEM Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY12</td>
<td>1,559</td>
</tr>
<tr>
<td>FY13</td>
<td>1,630</td>
</tr>
<tr>
<td>FY14</td>
<td>1,693</td>
</tr>
<tr>
<td>FY15</td>
<td>1,734</td>
</tr>
<tr>
<td>FY16</td>
<td>1,860</td>
</tr>
</tbody>
</table>

Source: Regents' Information Systems
Academic Programming for Economic Development

2020 Vision: The South Dakota Science & Innovation Strategy prepared by the SD EPSCoR Reach committee identifies five target sectors that are high growth and STEM-oriented to drive a robust, higher value future South Dakota economy.

Value-Added Agriculture & Agribusiness

BS, Precision Agriculture (SDSU) ‘16
Minor, Meat Science (SDSU) ’15
Academic Programming for Economic Development


Energy & Environment
Minor, Environmental Science (SDSMT) ‘15
Minor, Petroleum Systems (SDSMT) ’14

Human Health and Nutrition
BS, Human Biology (SDSU) ‘16
PhD, Health Sciences (USD) ‘16
Certificate, Allied Health (NSU) ‘15
Academic Programming for Economic Development


**IT/Cyber Security/Information Assurance**

- DSc, Cyber Security (DSU) ‘14

**Materials & Advanced Manufacturing**

- AS, Manufacturing Technology (SDSU) ‘16
- BBA, Operational Analytics (USD) ‘16
Goals

• **Research and Economic Development**
  
  - Increase annual research and contract expenditures.
    
    • Advance knowledge
    • Enhance technology transfer and commercialization
    • Catalyze economic development
Research is Economic Development

SDBOR Research Activity
FY02-FY16

Source: SDBOR Office of Academic and Research Affairs
Research is Job Development

- **FY16 Job creation - Faculty research efforts (FTE):** 686
- **Research innovations – FY07-FY16**
  - Invention disclosures – 508
  - Patent & intellectual property protections filed – 241
  - Patents/licenses issued – 138

Source: BOR system office
Goals

• **Affordability and Accountability**
  ▪ Reduce tuition and fee ranking to regional average
  ▪ Create and capitalize on efficiencies
Measuring Our Progress

Ensuring Accountability & Transparency

• SDBOR Fact Book
  • www.sdbor.edu/mediapubs/factbook/index.htm

• SDBOR Interactive Dashboards
  • www.sdbor.edu/dashboards

• SDBOR Strategic Plan – 17 System Metrics
  • www.sdbor.edu/theboard/StrategicPlan

• Council of Higher Education Accountability Report

• Presidential Evaluations
Interactive Dashboard Reporting

• **Access and Enrollment**
  - Fall Enrollment
  - High School Transition
  - College Matriculation

• Freshmen Migration
• University Affordability
• Distance Education

---

**SDBOR College Matriculation Dashboard**
South Dakota High School Graduates

**College Enrollment Trends: HS Grads Enrolled Anywhere**
(Click a label/year/pose to update bar chart on the right)
(Data not shown for groups smaller than 10)

**Enrollments by Location, All Years**
(Shows all years unless detailed selections is made at left)
(Data not shown for groups smaller than 10)
Interactive Dashboard Reporting

- Other Dashboard Categories
  - Institutional/Peer Analysis
  - SDBOR Policies
  - State Labor Force (Wages, Labor Force, Employment Projections)
Affordability Issues & Solutions
Lower State Support Drives Higher Tuition

FY14 Public Postsecondary Education
Educational Appropriations and Net Tuition Revenue Per FTE

<table>
<thead>
<tr>
<th>State</th>
<th>Appropriations Per FTE</th>
<th>Net Tuition Revenue Per FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iowa</td>
<td>$5,335</td>
<td>$8,118</td>
</tr>
<tr>
<td>Minnesota</td>
<td>$5,327</td>
<td>$7,111</td>
</tr>
<tr>
<td>Montana</td>
<td>$4,939</td>
<td>$5,505</td>
</tr>
<tr>
<td>Nebraska</td>
<td>$7,840</td>
<td>$5,401</td>
</tr>
<tr>
<td>North Dakota</td>
<td>$7,888</td>
<td>$6,752</td>
</tr>
<tr>
<td>South Dakota</td>
<td>$4,878</td>
<td>$8,221</td>
</tr>
<tr>
<td>Wyoming</td>
<td>$15,561</td>
<td>$2,761</td>
</tr>
<tr>
<td>National Average</td>
<td>$6,552</td>
<td>$5,777</td>
</tr>
</tbody>
</table>

(Note: SHEF data adjusted for enrollment mix and cost of living, so numbers will differ from BOR Fact Book.)
State Support Impacts Affordability

- The two recent tuition freezes, supported by the Governor and the Legislature, improved affordability for SD students.

State support of South Dakota public higher education increased from 41% to 44% over the past four years.

Source: BOR Fact Book FY 2017
## Need-Based Funding Per Pell Eligible Student, Regional Comparison

<table>
<thead>
<tr>
<th>Region</th>
<th>Need-Based Funding Per Pell Eligible Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyoming</td>
<td>$1,798.81</td>
</tr>
<tr>
<td>Minnesota</td>
<td>$1,561.22</td>
</tr>
<tr>
<td>Total/Average</td>
<td>$958.01</td>
</tr>
<tr>
<td>Colorado</td>
<td>$952.34</td>
</tr>
<tr>
<td>North Dakota</td>
<td>$779.47</td>
</tr>
<tr>
<td>Iowa</td>
<td>$645.95</td>
</tr>
<tr>
<td>Nebraska</td>
<td>$481.14</td>
</tr>
<tr>
<td>Montana</td>
<td>$201.62</td>
</tr>
<tr>
<td>South Dakota</td>
<td>$13.57</td>
</tr>
</tbody>
</table>

The chart above shows the need-based funding per Pell eligible student for various regions, with South Dakota having the lowest funding of $13.57 and Wyoming having the highest funding of $1,798.81.
Shared Responsibility

Institution

State Government

Federal Government

Family

Institutional/State Merit Aid

Student

Private scholarship

Source: WICHE: States in the Drivers Seat
South Dakota Opportunity Scholarship

- Currently, there are 3,875 recipients receiving funding for the 2016-17 academic year.
- Total of 14,721 recipients over the lifetime of the program.
Value of the SDOS

- $5,000 award equaled 26% of four-year tuition costs in 2004
- Increased in value to 20% when raised to $6,500 in 2015-16
- For 2016-17, the $6,500 award has decreased to a value of 19.7% of tuition costs

Source: BOR Fact Book
South Dakota Opportunity Scholarship

- Governor’s Recommendation: $412,798
- Increased in Fall 2015 from $5,000 to $6,500
- 1,300 new students each year

BOR Strategic Goal 1: Student Success – Grow undergraduate degrees awarded
Over last five years, the average placement rates of recipients is 70.1%
South Dakota University System