

# Accountability Report



Summer 2006



**Policy Goal #1: Access:**

*Every qualified South Dakotan shall have access to public postsecondary education.*

**Policy Goal #2: Quality:**

*South Dakota public universities and special schools shall provide a quality educational experience.*

**Policy Goal #3: State Wealth:**

*South Dakota public universities shall engage in activities designed to enhance the state's long-term economy.*

**Policy Goal #4: Efficiencies:**

*South Dakota public universities and special schools shall continue to seek means for improving efficiency in the delivery of educational services.*

\* Information in this publication was produced by Regents Information Systems unless otherwise noted.

# Accountability Report

2005-2006



## **Policy Goal #1: Access:**

*Every qualified South Dakotan shall have access to public postsecondary education.*

1. Strengthen the connection of universities in the preparation for postsecondary education in the K-12 community.
2. Educate a greater proportion of high school graduates and the adult working population.
3. Increase retention and graduation rates.

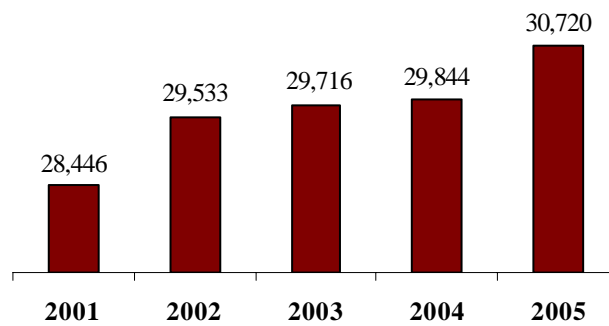
# Access

*Public higher education recognizes that curriculum delivery today must respond to the state's changing environment. Strategies are focused on K-12 preparation, non-traditional students, and improved retention and graduation rates.*

## System Enrollment

- Enrollment has continued to grow steadily.

**System Enrollment Fall Total Head Count Enrollment**



## Retention

- Emphasis is placed on the importance of retaining students who enroll in the universities.
- All universities have programs in place to assist students, resulting in greater retention.

**Retention of New Degree-Seeking Students From Fall 2004 to Fall 2005**

	BHSU	DSU	NSU	SDSMT	SDSU	USD	System
<b>New Degree Seeking Fall 2004</b>	660	276	402	362	2,104	1,061	4,865
<b>Enrolled in Same University in Fall 2005</b>	350	185	246	262	1,526	711	3,280
<b>Percent Retained</b>	53%	67%	61%	72%	73.0%	67%	67%
<b>Enrolled in the System in Fall 2005</b>	371	201	255	281	1,604	751	3,463
<b>Percent Retained</b>	56%	73%	63%	78%	76%	71%	71%

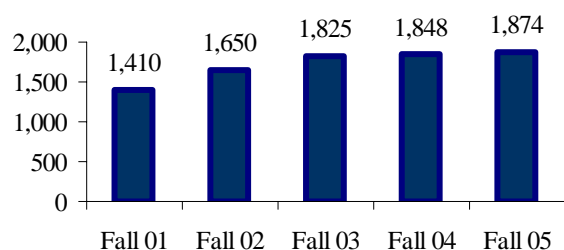
# Access

*Greater access to public higher education means making courses more available to students--at off-campus locations and via distance delivery.*

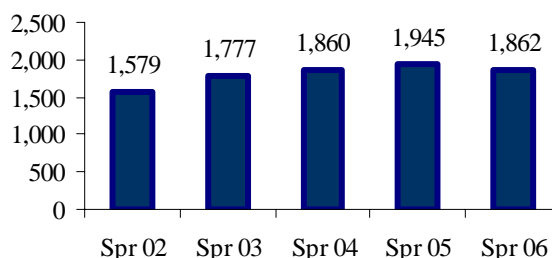
## USDSU at Sioux Falls

- Served 3,247 students in the three academic semesters ending spring 2006.
- Delivered 3.1 percent more credit hours of instruction during fall 2005 than previous fall.

**USDSU Fall 01 to Fall 05  
Unduplicated Headcount Enrollment**



**USDSU Spring 02 to Spring 06  
Unduplicated Headcount Enrollment**



## EUC—Electronic University Consortium of South Dakota

- Registrations for EUC-delivered courses have increased by more than 60 percent since 2002.

### EUC: Electronic University Consortium of South Dakota

Delivery Method	Courses Offered				Registrations			
	2002	2003	2004	2005	2002	2003	2004	2005
Video Conferencing	120	129	198	147	877	762	1,624	1,136
Internet	328	386	335	453	2,214	3,238	3,371	4,249
Satellite	8	6	5	5	79	43	47	15
Television	5	4	5	3	44	22	55	22
Video Cassette	7	7	0	0	53	43	0	0
Other	3	19	9	7	20	137	70	28
<b>TOTAL</b>	<b>471</b>	<b>551</b>	<b>552</b>	<b>615</b>	<b>3,287</b>	<b>4,245</b>	<b>5,167</b>	<b>5,450</b>

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## **Policy Goal #2: Quality:**

*South Dakota public universities and special schools shall provide a quality educational experience.*

1. Hire and retain the best available talent pool in teaching, research, and administration.
2. Adapt instruction to contemporary technology.
3. Increase rigor of student academic experiences.

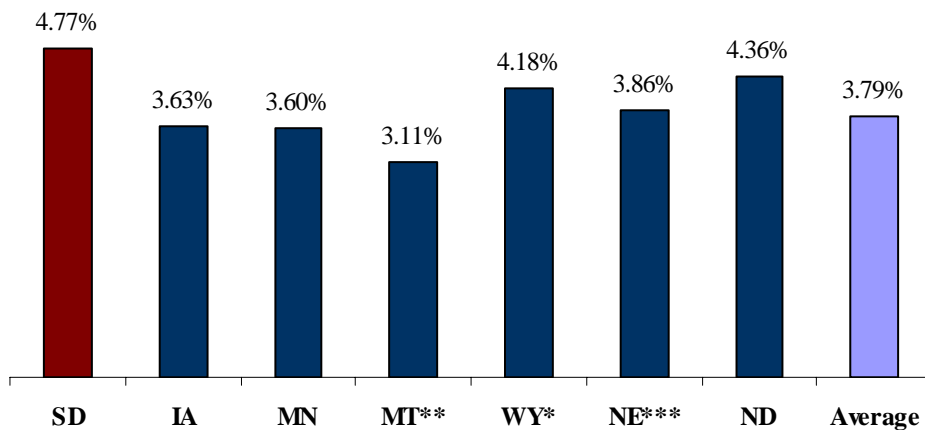
# Quality:

*Quality initiatives include hiring and retaining the best available talent pool, adapting instruction to the realities of a high-tech world, and improving students' academic experiences.*

## Salary Policy

- Since FY99, salary policy decisions were aimed at making South Dakota public higher education salaries more competitive with the region.

### Salary Policy Average for Surrounding States FY00-FY06



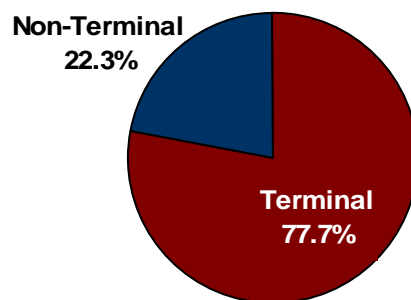
\*\*\*NE includes an average from both system offices, which include various collective bargaining units.

\*\*MT was provided a \$0.25 increase for 6 months of FY05. The increase was estimated at less than 1%.

\*WY has a bi-annual increase.

Source: Surrounding area regental institutions

### Percent of Faculty with Terminal Degrees Regental Universities FY06



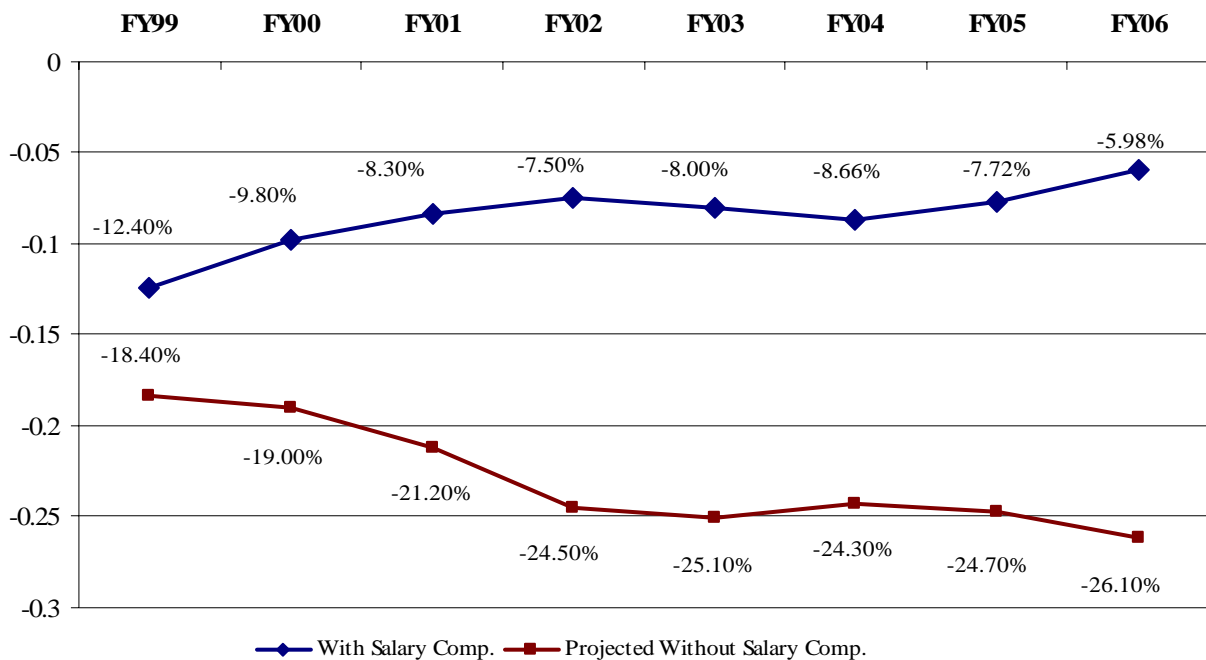
# Quality:

*The public university system tied faculty compensation to performance through multiple year bargaining agreement with the faculty union.*

## Salary Competitiveness Program

- Implemented the Salary Competitiveness Program that provided differential salaries to faculty and professional staff based on performance.
- Salary competitiveness funds are distributed based on individual employee performance, market conditions, and institutional priorities.

**South Dakota Regental Salaries**  
Compared to Market Positions Same Rank and Discipline: Surrounding States





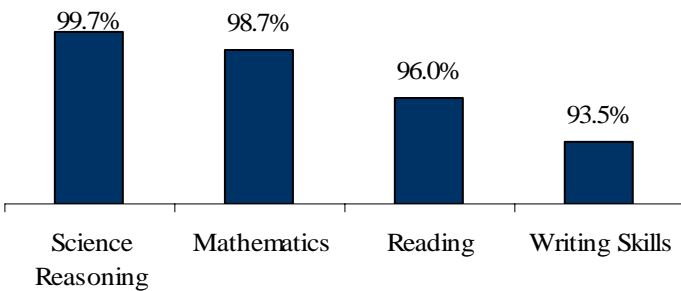
# Quality:

*Academic quality and performance are at the heart of statewide efforts to enhance service quality in public higher education.*

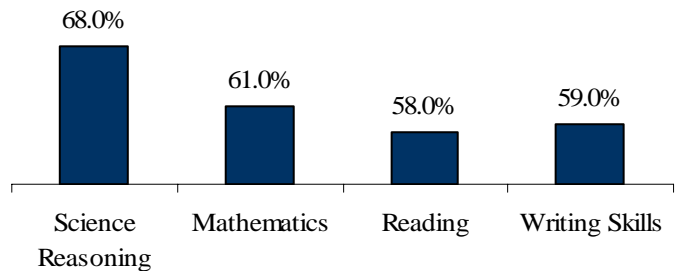
## Proficiency Exam

- South Dakota public university students as a whole score higher on measures of writing skills, mathematics, reading, and science reasoning than their counterparts at other four-year public institutions.

**Passing Rates by Exam Area  
First-time Test Takers  
Academic Year 2004-2005**



**Percentage of SD Students Performing  
Above the National Mean  
First-time Test Takers  
Academic Year 2004-2005**



*Source: Board of Regents and American College Testing Inc.*

## Licensure and Certification

- System graduates score high on national examinations required for professional licensure and certification.

**Graduates Testing and Passing Licensure  
and Certification Examinations**

	<b>SD</b>	<b>National</b>
Dental Hygiene	100%	95%
Dietetics	92%	91%
Medicine MD1	88%	92%
Medicine MD2	96%	94%
Nursing Bachelor	85%	90%
Nursing Associate	83%	85%
Pharmacy	100%	89%
Respiratory Care	100%	60%

# Quality:

*Quality initiatives in public higher education aim to increase the academic expectations for all students throughout the curriculum.*

## Opportunity Scholarship

- Enhancing a student's K-12 educational experience translates into a student who is more prepared for college work. The South Dakota Opportunity Scholarship encourages students to complete a challenging curriculum while in high school, while maintaining high academic standards.

### Total Number of Recipients Attending Various Institutions Fall 2005

Black Hills State University	67	Lake Area Technical Institute	7
Dakota State University	46	Mitchell Technical Institute	2
Northern State University	56	Mount Marty College	32
SD School of Mines & Technology	128	National American University	2
South Dakota State University	618	Presentation College	7
University of South Dakota	299	Southeast Technical Institute	5
Augustana College	120	University of Sioux Falls	50
Colorado Technical University	3	Western Dakota Technical Institute	2
Dakota Wesleyan	19	<b>Total Recipients</b>	<b>1,463</b>

## New General Education Standards

- Standards for foundation courses public university students must complete on their way to earning a bachelor's degree were effective for the fall 2005 term.
- New general education course standards are focused on student learning outcomes and assessment.

### Limited to:

30 Credit Hours = Courses required of all baccalaureate students regardless of major or institution

13 Credit Hours = Institution-specific courses

# Accountability Report

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## **Policy Goal #3: State Wealth:** *South Dakota public universities shall engage in activities designed to enhance the state's long-term economy.*

1. Enhance research and development productivity through grants and contracts.
2. Increase the universities' role in stimulating economic activity in the state.
3. Teach more entrepreneurship skills to students and faculty.

# State Wealth:

*Higher education must be an aggressive partner with the state and the private sector to create a 21st century economy for South Dakota.*

## New Doctoral Programs

- Two new Ph.D. programs and a Doctor of Science (D.Sc.) program were developed to increase South Dakota’s profile in research and development. Increasing university research, and translating that research into ideas and products that can be marketed, are central points in Gov. Rounds’ 2010 economic development initiative.
  - Ph.D. in electrical engineering at South Dakota State University
  - A joint Ph.D. program in biomedical engineering at the University of South Dakota and South Dakota School of Mines and Technology
  - A Doctor of Science degree in information systems at Dakota State University

## Grants and Contracts

- The universities receive state, federal, and private grants to conduct research and to carry out activities to improve the education provided to students. They also enter into contracts to provide services. Research and contracts benefit students, enhance the reputation of the universities, and bring resources to the state.

## South Dakota Board of Regents Grants and Contracts Expenditure History

	State	Federal	Private	Total
<b>FY00</b>	\$3,307,862	\$22,934,520	\$7,557,494	\$33,799,876
<b>FY01</b>	\$3,003,212	\$29,539,545	\$7,290,276	\$39,833,033
<b>FY02</b>	\$2,547,098	\$38,452,975	\$9,182,672	\$50,182,745
<b>FY03</b>	\$3,112,349	\$43,020,045	\$8,086,344	\$54,218,738
<b>FY04</b>	\$1,636,948	\$51,356,888	\$7,496,790	\$60,490,626
<b>FY05</b>	\$4,385,361	\$56,862,794	\$8,193,674	\$69,441,829

# State Wealth:

*The strength of the state to compete in the new economy will be the infrastructure available to stimulate creation of new knowledge that can be translated into commercial activity.*

## 2006 Governor Rounds' Individual Research Seed Grant Awards

The awards, totaling \$442,425, help support faculty researchers as they develop research programs to become more competitive for external grants and contracts. It is also an opportunity for faculty members to develop ideas with commercial potential. The projects are listed below by faculty member and university.

### Black Hills State University

- David Siemens, Science/Biology – *“Gene discovery under drought and herbivory in plants: Functional genomics in close wild relatives of the model organism Arabidopsis thaliana”*

### Dakota State University

- Xinwen Fu, Business and Information Systems – *“Effectively and Efficiently Tracking Malicious Use of Anonymous Communication”*
- Kevin Streff, Business and Information Systems – *“Information Assurance Awareness Measurement Research Project”*
- Justin L. Blessinger, English – *“Semi-Automatic Essay Grader and Rubric Tool”*

### Northern State University

- Richard L. Peterson, Chemistry – *“Investigation into the Synthesis of Transition Metal Substituted Silicate Materials”*

### South Dakota School of Mines & Technology

- Steve Smith, Nanoscience and Nanoengineering – *“Nanoscale Ultrafast Spectroscopy of Nano-and Energy-Materials”*
- Andrea E. Surovek, Civil and Environmental Engineering – *“Response of Composite Partially-Restrained Connections Subjected to Blast Loads”*
- Rajesh K. Sani, Chemical and Biological Engineering – *“Generation of Energy from Renewable Biofuels Using Microorganisms from Deep Subsurface of Homestake Mine, Lead, South Dakota”*
- Todd J. Menkhaus, Chemical and Biological Engineering – *“Development of Separation Processes for the Recovery of High-Value Products from Forestry and Plant Agriculture Feedstocks”*
- Thomas P. Montoya, Electrical and Computer Engineering – *“Loaded Antenna Development Using Direct-Write Processes with Photo-Active Nano-Inks”*

### South Dakota State University

- Hesham Fahmy, Pharmaceutical Sciences – *“Development of potent skin cancer chemopreventive agents from marine sources”*
- Omathanu P. Perumal, Pharmaceutical Sciences – *“Dendritic Nanopolymers as Novel Vehicles for Transdermal Drug Delivery”*
- Gareth E. Davies, Pharmaceutical Sciences – *“Molecular Pathogenesis of HIV Associated Lipodystrophy”*
- Shanzhong Duan, Mechanical Engineering – *“Efficient Computer Simulation of Multibody Dynamic Systems”*
- Elizabeth A. Droke, Nutrition, Food Science, and Hospitality – *“The Protective Role of Soy Against Complications Associated with Obesity and Chronic Inflammation”*
- Daniel Cervantes Laurean, Chemistry and Biochemistry – *“High throughput screening assay for inhibitors of protein glycation”*
- Tagir Gilmanov, Biology and Microbiology – *“Developing new generation mathematical models for grassland ecosystems of South Dakota”*
- Li Qian, Engineering Technology and Management – *“Process modeling and optimization for high speed machining of hardened tool steels”*

### University of South Dakota

- Kai Wang, Computer Science – *“Enhance the Performance of ACTS by Processor Virtualization”*
- Yunkai Liu, Computer Science – *“Haplotype Reconstruction and Decompositions in Diploid Species with the Perfect Phylogeny Model”*

# Accountability Report

2005-2006



## **Policy Goal #4: Efficiencies:**

*South Dakota public universities and special schools shall continue to seek means for improving efficiency in the delivery of educational services.*

1. Increase effective use of the state's limited resource base.

# Efficiencies:

*The sharing of “best practices” should be a unified strategy that seeks to take advantage of individual institutional efforts.*

## **Human Resources/Finance Information System Project**

The project’s mission statement: “To create an efficient human resources, payroll, and finance operating environment for the South Dakota regental system by implementing an integrated database, sharing services where efficiencies can be realized for the system as a whole, utilizing new software that will further enable the adoption of common business practices, providing new and enhanced services as referenced in *Opportunities for South Dakota*, and implementing an integrated suite of software to better achieve economies of scale.”

### **Goals:**

- Develop integrated databases for human resources, payroll, and finance similar to the STUDENT project database.
- Reconfigure business practices and share services wherever system efficiencies can be achieved and services improved.
- Utilize new Enterprise Resource Planning system to enable common and best business practices.
- New and enhanced services in human resources.
- Automate functions and adopt paperless practices.
- Streamline interfaces and coordinate information needs with state agencies.

### **Shared Services:**

- Adopt shared services in the area of purchasing, payroll, and accounts payable.
- Utilize expertise across the system and eliminate duplication of effort.
- Generate savings through efficiencies, automation, and focus of effort.
- Streamline process within BOR and in coordination with state agencies.
- Better service to students, employees, and outside constituents.

### **Status:**

- “Go live” for finance system on July 1, 2006.
- “Go live” for human resources system on January 1, 2007.
- Shared services in place at start-up.
- Adapted practices to software using best business practices.

# Efficiencies:

*The public university system must constantly re-examine the mechanisms and approaches used to deliver its services.*

## **e-Commerce Project**

The project's mission statement: "To provide students with access to information anywhere, anytime and to conduct business with the South Dakota regental system 'on-line' and not 'in-line'."

### **Goals:**

- To reduce costs by taking advantage of online payment services and electronic billing.
- Provide students with access to their detailed account information over the Web.
- Conduct business in a virtual environment commensurate with the way students are accustomed to conducting other business over the Web.
- Transfer cost of credit card activity to credit card users and generate enough savings to pay for the automated system.
- Provide on-line student payment plans.
- Deposit refunds to students directly to their account via ACH.
- Provide a no-cost option to students to view and pay their bill on-line.

### **Status:**

- On-line billing and payments fully functional.
- Third-party credit card processor saving \$400,000-\$500,000 per year.
- ACH refunds scheduled for fall 2006.
- On-line payment plans scheduled for fall 2007.
- Service to students greatly improved with exceptional student satisfaction.







## **Policy Goals for the System of Public Higher Education** *Summer 2006*

The mission of the South Dakota Board of Regents is to govern the six public universities and the two special schools serving the blind and visually impaired and the deaf. Public higher education has a significant role in contributing to South Dakota's progress in the 21<sup>st</sup> century. An alignment of state and public higher education goals is necessary to achieve these prospects.

Beginning in December 1997, the Board of Regents reported annually on its progress to meet nine established state policy goals for higher education. In June 2003, the board revisited those policy goals in its "*Opportunities for South Dakota*" report, identifying four comprehensive goals and 14 "opportunities" to guide its work in the coming years. **This 2006 report summarizes Board of Regents' actions on the four new policy goals since July 1, 2003.**

### **South Dakota Board of Regents**

- ~ **Harvey C. Jewett, President**
- ~ **Randy Morris, Vice President**
- ~ **Dean M. Krogman, Secretary**
  - ~ **Terry Baloun**
  - ~ **Richard Belatti**
  - ~ **James O. Hansen**
  - ~ **Kathryn Johnson**
  - ~ **Carole Pagonis**
  - ~ **Tonnis Venhuizen**

## ***Meeting the Goals: Access, Quality, State Wealth, and Efficiencies***

**Policy Goal #1: Access:** *Every qualified South Dakotan shall have access to public postsecondary education.*

### **Opportunity #1 – Connecting Education Policy 2005-06**

- 1. Gov. Mike Rounds launches the 2010 Education Initiative, a vision for the future of education in South Dakota and a plan of measurable goals and objectives for achieving that vision. Goal 3 states that by 2010, the postsecondary education system will fully meet the needs of the state's changing economy and its citizens.**
- 2. Agreement is reached with Southeast Technical Institute to simplify the transfer of certain coursework taken in technical programs to specific majors at the public universities. Articulation agreements are now in place with all four state-operated technical institutes.**
- 3. As of July 1, 2006, 223 articulation agreements between public universities and technical schools are finalized.**

2004-05

1. Officials representing the public universities and three of the state's four technical institutes enter into a historic agreement that will open up more postsecondary education opportunities for technical school students and create a collaborative relationship between technical schools and public higher education.
2. As of July 1, 2005, 70 articulation agreements between public

universities and technical schools are finalized. The agreements specify certain programs that will transfer technical school coursework to the public universities.

2003-04

1. Higher education and K-12 education leaders, including representatives of the Board of Regents, the South Dakota Department of Education, School Administrators of South Dakota, and Associated School Boards of South Dakota, meet at least monthly to set common goals.
2. Members of the Board of Regents meet annually with the South Dakota Board of Education to discuss statewide education policy initiatives.
3. Proposed changes in high school graduation requirements are a product of discussions between K-12 and higher education officials to better connect curriculum and graduation standards in high school with college admissions standards and expectations for postsecondary learning.

### **Opportunity #2 – High School Preparation and Postsecondary Enrollment 2005-06**

- 1. Total system enrollment was up nearly 3 percent in Fall 2005, posting a record 30,720 students.**
- 2. Nonresident tuition rates for first-time freshmen and new transfer students lowered to 150 percent of**

**in-state rates starting Summer 2006, making a South Dakota public university education more attractive to regional and international students.**

- 3. A total of 849 students qualified for the South Dakota Opportunity Scholarship in Fall 2005. There were 614 students who received the scholarship in its first year of funding who remained eligible for a second year.**

2004-05

1. System enrollment continues to grow, setting a record headcount enrollment of 29,844 in Fall 2004.
2. South Dakota Opportunity Scholarships were awarded to 832 incoming freshmen at public, private, and technical institutions.
3. South Dakota CollegePrep redesigns [www.sdcollegeprep.info](http://www.sdcollegeprep.info) to highlight more post-high school planning information.

2003-04

1. Fall 2003 headcount enrollment of 29,716 sets an all-time record of students served.
2. The South Dakota Opportunity Scholarship, funded by the Legislature in 2004, will encourage more high school graduates to take a challenging college-prep curriculum and stay in South Dakota for their postsecondary education.
3. Every public university established a privately supported scholarship program to attract high-talent students.
4. Board of Regents' system distributed college-planning materials to students in grades 7-12 as part of the South Dakota CollegePrep campaign.

### **Opportunity #3 – University Student Success**

**2005-06**

- 1. Universities redouble their efforts to increase retention of students— 71 percent of new degree-seeking students from Fall 2004 were still enrolled somewhere in the system in Fall 2005.**

2004-05

1. Each university has retention and student success programs in place.
2. Higher admissions standards approved for USD and SDSMT are aimed at raising student expectations and ensuring proper preparation for college-level work.

2003-04

1. Universities have become more focused on retention of students: 76 percent of all 2002 students who did not graduate returned to one of the BOR institutions in Fall 2003.

### **Opportunity #4 – Rapid City and Black Hills Area**

**2005-06**

- 1. Integrative genomics is first master's degree in the sciences to be offered at BHSU, signaling a new direction for the university.**
- 2. Master's and Ph.D. degree programs in materials engineering and science at SDSMT become part of the Western Regional Graduate Program, offering students access to special graduate programs of demonstrated quality not widely available in the western region.**
- 3. DSU's minor in computer and network security approved for delivery at BHSU.**

2004-05

1. The Higher Education Center-West River opens in Rapid City, offering a

variety of instructional delivery methods from six higher education institutions.

2. Regents expand existing degree programs to new locations at Rapid City, Spearfish, Mission, and Gillette, Wyo.
3. Regents' system offers assistance following announcement of planned closure of Ellsworth Air Force Base.
4. New undergraduate minors were approved for BHSU (marketing) and SDSMT (occupational safety).

2003-04

1. The Board of Regents created a West River consortium to improve coordination of courses and programs available to citizens in western South Dakota.

#### **Opportunity #5 – Greater Sioux Falls Area**

2005-06

1. **Permanent location for the state's public university system established in Sioux Falls, where students will take classes offered by all six South Dakota public universities. Legislature accepts \$5.8 million grant from Great Plains Education Foundation to purchase 263-acre tract of land near Interstate 29. A second law provides \$8 million in state funds for construction of a classroom building on the site.**
2. **Fall 2005 enrollment and credit hours delivered at USDSU Sioux Falls topped previous records.**
3. **Approved delivery of undergraduate majors at USDSU in criminal justice (USD), banking and financial services (NSU), management information systems (DSU), marketing (USD), and finance (USD).**

4. **Began offering two Ph.D. programs at USDSU—nursing (SDSU) and computational science and statistics (joint USD/SDSU program).**

5. **Received \$300,000 Osher Foundation grant to create the Osher Lifelong Learning Institute at USDSU, targeting education needs of older adults.**

6. **Hired financial aid counselor and business office assistant to provide student services on site at USDSU.**

2004-05

1. USDSU served 3,372 students in 2004-05 and delivered 3.2 percent more credit hours of instruction over the same time.
2. USDSU shares space in new Health Science Center on the Southeast Technical Institute campus to support nursing education in the Sioux Falls area.
3. Regents' 10-year capital plan includes plans for two buildings at USDSU to support delivery of more academic programs.

2003-04

1. USDSU, the public higher education center in Sioux Falls, continues to show significant growth in students. USDSU reported a 12 percent increase in headcount and a 15 percent increase in credit hours for Fall 2003.
2. A review is under way of student services and academic programs offered at USDSU.

#### **Opportunity #6 – Off-campus Instructional Services**

2005-06

1. **Registrations for courses delivered by the Electronic University Consortium (EUC) increased by more than 60 percent since 2002.**

2. Most students enrolled in distance delivery courses are located off campus. But a large percentage—47 percent—took distance-delivered coursework in Spring 2005 while actually enrolled in classes on campus, demonstrating that distance delivery meets the varied needs of today’s busy college students.
3. Degree offerings approved for distance delivery include M.S. in information assurance from DSU, minor in computer and network security from DSU, undergraduate degree in banking and financial services from NSU, and the master’s and education specialist degrees in educational administration from USD.
4. Capital University Center at Pierre approved to offer minor in computer and network security from DSU.

2004-05

1. Registrations for courses delivered by the Electronic University Consortium (EUC) increased by more than 20 percent.
2. Capital University Center in Pierre is authorized to offer the master of education degree in educational administration from SDSU.

2003-04

1. 745 courses were available by distance education (Digital Dakota Network, Internet, etc.) in Fall 2003, an increase of 211 percent from 2000.
2. The Board of Regents entered into an agreement with Capital University Center in Pierre for the administration and delivery of courses and programs.
3. The Higher Learning Commission of the North Central Association accredited all degree programs offered by South Dakota public universities through the regents’ Electronic University Consortium.

**Policy Goal #2: Quality:** *South Dakota public universities and special schools shall provide a quality educational experience.*

**Opportunity #7 – Salary Enhancement and Competitiveness in the Recruitment and Retention of Faculty and Administrators**

**2005-06**

1. Salary policy for the regental system averaged 4.77 percent between FY00 and FY06, compared to surrounding states’ average of 3.79 percent.
2. Faculty salaries in regents’ system are 5.98 percent below the regional market for the same rank and discipline. Without the Salary

**Competitiveness Program, South Dakota salaries would lag about 26 percent below the average.**

2004-05

1. Faculty salaries in regents’ system are 7.72 percent below the regional market for the same rank and discipline; without the Salary Competitiveness Program, South Dakota salaries would lag about 24.7 percent below the average.
2. A total of 77.5 percent of system faculty have terminal degrees in their field.

2003-04

1. The regents' Salary Competitiveness Program continues to close the gap between South Dakota's higher education salaries vs. surrounding state averages [from 17 percent down to 8 percent].

### **Opportunity #8 – Technology at the Universities and in the Curriculum**

**2005-06**

1. For the 2004-05 academic year, total credit hours for electronic course delivery increased 36 percent.
2. New online employment service replaces paper job applications at public universities and special schools.
3. Integrated database for BOR finance operating environment goes live July 1, 2006.

2004-05

1. Total credit hours for courses delivered electronically increased by 45 percent between Spring 2004 and Spring 2005.
2. Project is under way to integrate databases for regents' human resources and finance information systems.
3. Third-party vendor chosen to collect tuition and fees over the Internet and post payments electronically.

2003-04

1. Governor Rounds awarded grants to 11 faculty-led collaborative projects to redesign courses by using technology for improved student learning and to reduce costs of course delivery.
2. The knowledge and skills an entering college student should have in computer technology are defined.
3. Student learning outcomes in computer technology are identified;

students graduating from the BOR system will demonstrate technology literacy through designated assessments.

4. The system is preparing a long-term technology plan.

### **Opportunity #9 – Increasing Academic Expectations**

**2005-06**

1. Slightly more than 8 percent of South Dakota's high school graduates in 2005 qualified for the South Dakota Opportunity Scholarship, a state-funded scholarship worth up to \$5,000 over four years.
2. Public university students continue to outperform their counterparts in other states on a proficiency exam administered at the end of the sophomore year.
3. South Dakota public university students have 100 percent pass rates on licensure and certification exams in dental hygiene, pharmacy, and respiratory care.
4. Five South Dakota public university students chosen for internships in the nation's capital under a pilot program with the Washington Center for Internships and Academic Seminars.

2004-05

1. General education standards are updated for foundation courses students must complete on their way to earning a bachelor's degree.
2. South Dakota public university students score higher on measures of writing skills, math, reading, and science reasoning than their counterparts at other four-year institutions.

3. South Dakota Opportunity Scholarship encourages students to better prepare for college-level work by completing a rigorous high school curriculum—832 students qualify for scholarship in first year.
4. Higher admissions standards were approved for SDSMT, beginning in 2006, and USD, beginning in 2007.

2003-04

1. A comprehensive review of general education coursework at all six public universities and quality standards for those courses is under way.
2. Student scores on the system proficiency exam are above national norms for comparable institutions.
3. System-sponsored Advanced Placement (AP) Institutes for high school teachers helped grow the number of high school students who get a jump start on college by taking AP courses (1,606 students in 2003, up from 368 in 1994).
4. The National Survey of Student Engagement finds South Dakota public universities rate high on student-faculty interaction, collaborative learning, and the campus environment.

**Opportunity #10 – Teacher and School Administrator Education**

2005-06

1. **Work continues on South Dakota’s EveryTeacher grant, an \$11 million collaborative project creating a professional development program for teachers that encompasses the full continuum of teacher preparation from pre-service through accomplished practices.**
2. **Enhancements made to a Web site that assists both future and**

**practicing teachers to prepare academically for the Praxis II tests required for teacher certification in South Dakota.**

2004-05

1. Created a system-wide certificate program for post-baccalaureate teacher certification.
2. Through the resources of the *EveryTeacher* Teacher Quality Enhancement Grant, which is a collaborative effort with the South Dakota Department of Education, developed the following activities to strengthen the quality and preparation of teachers:
  - a. Initiated an analysis of curriculum alignment to national and state standards and assessments.
  - b. Assisted in the validation and adoption of Praxis II content and pedagogy exams for teacher certification.
  - c. Developed a Praxis II test preparation Web site to assist future and practicing teachers in preparing for certification exams.
  - d. Participated in the first Governor’s New Teacher Academy to seek input from graduates regarding ways to improve teacher preparation programs.
  - e. Acquainted South Dakota K-12 teachers and higher education faculty with the content and pedagogical resources available from Multimedia Educational Resources for Learning and Online Teaching (MERLOT).

2003-04

1. Created a system-wide undergraduate minor to better



- prepare K-12 teachers to teach reading.
2. Collaborated with the South Dakota Department of Education on teacher quality projects designed to strengthen the quality and preparation of teachers in South Dakota. Joint efforts are under way to review and revise:
    - a. Teacher education program standards.
    - b. The teacher education program approval process.
    - c. South Dakota's teacher certification requirements and criteria.
    - d. The partnership agreement with national teacher education accrediting associations.
    - e. Performance criteria for Title II teacher education programs.
  3. Professional development opportunities are identified for teachers and staff at the special schools serving the blind/visually impaired and the deaf to meet ongoing requirements of the federal No Child Left Behind Act.

**Opportunity #11 – Coordination of Health Care Degree Programs**

**2005-06**

1. **A \$20 million gift from Sioux Falls philanthropist T. Denny Sanford goes to the School of Medicine to improve the state of health care for all South Dakotans.**
2. **New Ph.D. degree in biomedical engineering to be offered jointly by SDSMT and USD. Biomedical engineering is an emerging field in the delivery of health care, applying engineering and science**

**methods to the analysis of biological and physiological problems.**

3. **USD's M.S. program in occupational therapy approved to receive students supported by five western states under the Professional Student Exchange Program.**
4. **SDSU approved to offer biomedical engineering minor.**

2004-05

1. New Ph.D. degree in nursing approved for SDSU to prepare nursing faculty for state's undergraduate nursing programs.
2. Academic programs in physical therapy and audiology, both at USD, moved from master's to doctorate level.
3. Graduate certificate in long-term care management approved at USD; primary audience is administrators, nurses, and social workers who work in long-term care settings.
4. Workshop was organized for university staff members who advise students interested in applying to health professional programs such as medicine, dentistry, optometry, and podiatry.
5. Board of Regents joined the South Dakota Health Occupations for Today and Tomorrow initiative, an effort by the departments of Health, Education, and Labor to encourage young people to consider health careers.

2003-04

1. A needs analysis is in progress on the number of health care workers, including doctors, who will be required to serve the state's projected aging population.

**Policy Goal #3: State Wealth:** *South Dakota public universities shall engage in activities designed to enhance the state's long-term economy.*

**Opportunity #12 – System Research Infrastructure for the New Economy**  
2005-06

1. Three new doctoral programs funded by the Legislature offer advanced studies in information systems (DSU), electrical engineering (SDSU), and biomedical engineering (SDSMT and USD).
2. Legislature approves funding for a 5<sup>th</sup> highly-focused university research center. Designation is awarded to SDSMT for its Center for Bioprocessing Research and Development.
3. After 24 months, South Dakota's four 2010 research centers report a \$40 million economic impact from a state investment of \$5.4 million.
4. South Dakota receives \$6.75 million National Science Foundation EPSCoR grant for the project, "The 2010 Initiative: Science-Based Leadership for South Dakota."
5. Gov. Mike Rounds awards \$442,425 in "seed" grants to 20 faculty members at South Dakota public universities to support their individual research projects.
6. A \$100,000 grant was awarded to the 2010 Center for Infectious Disease Research and Vaccinology, housed at SDSU, to focus on blood bank testing for the human form of mad cow disease.
7. Deep underground lab project at nearby Homestake Mine provides research opportunities for students enrolling in new master's degree

program in integrative genomics at BHSU.

8. Biochemistry major approved at SDSU to prepare students for careers in science-related industries or for admission to graduate science or professional programs.
9. Minor in statistics at the master's and doctoral level added at SDSU.

2004-05

1. Six new Ph.D. programs, three funded by the Legislature, are approved for nanoscience and nanoengineering (SDSMT), computational science and statistics (SDSU and USD), combined M.D. and Ph.D. physician scientist (USD Medical School), nursing (SDSU), geospatial science and engineering (SDSU), and atmospheric and environmental sciences (SDSMT).
2. Gov. Mike Rounds awards nearly \$445,000 in "seed" grants to 19 faculty members as they develop research programs to become more competitive for external grants and contracts.
3. Legislature funded 21 graduate research assistants to work in new Ph.D. programs and existing graduate programs in science and engineering. Universities plan to support additional graduate assistants using their own resources.
4. State hires commercialization director to coordinate technology transfer and commercialization of research at public universities.
5. Agreement with Zyvex Corp. of Richardson, Texas, designates SDSMT as exclusive provider of

integrated circuit failure analysis services to the semi-conductor industry.

6. PhotoBioMed, a Sioux Falls-based medical technology company associated with the 2010 Center for the Research and Development of Light-Activated Materials, wins top prize in the Governor's Giant Vision Business Awards.

2003-04

1. Total of \$3.7 million was invested by the governor and legislature to change the culture of public universities in South Dakota—from primarily institutions that teach to institutions that foster development of research capacity for the state:
  - a. Selected four 2010 Initiative research centers from among 11 faculty team finalists. These specialized centers will be highly focused and nationally competitive in science or technology-related research.
  - b. Nearly \$3 million targeted to hire additional faculty members, pay for graduate assistants, and acquire needed laboratory equipment and space for the specialized centers.
  - c. System vice president for research hired to lead statewide university research initiative.
  - d. System-wide Research Affairs Council was created in December 2003 to stimulate and coordinate research activities at the universities.

2. The Board of Regents changed the system's intellectual property policy to a 50/50 split of net revenues to encourage more faculty members to create and develop new ideas for economic activity.
3. A review is under way to identify graduate programs South Dakota needs to support a research environment.
4. The system developed a statewide entrepreneurship minor available to students at all public universities, beginning in January 2004.
5. Grant acceptances by the universities more than doubled from FY98 to FY04, from \$31.1 million to \$72.8 million. Each external dollar circulates 2.4 times in the local economy.
6. Approved the Center for Accelerated Applications at the Nanoscale and the Institute for Multi-Scale Materials Development and Processing, both at South Dakota School of Mines and Technology, to enhance the school's growing research mission.
7. Created the Geographic Information Science Center of Excellence for South Dakota State University faculty and students and EROS Data Center scientists to carry out collaborative research, professional development, and educational experiences at levels achieving worldwide recognition of scientific excellence.
8. The public university system supports and will assist in development of the Homestake Underground Laboratory at Lead.

**Policy Goal #4: Efficiencies:** *South Dakota public universities and special schools shall continue to seek means for improving efficiency in the delivery of educational services.*

**Opportunity #13 – Administrative Support and Operations 2005-06**

1. **Integrated database for BOR finance operating environment goes live July 1, 2006; work proceeds to meet similar deadline for integrated human resources database on Jan. 1, 2007.**
2. **Reconfigured business practices and shared services wherever system efficiencies could be achieved and services improved.**
3. **Adapted practices to software using “best business” practices.**
4. **Online billing and payments system is fully functional; third-party credit card processor saves system \$400,000 to \$500,000 per year.**

2004-05

1. Human Resources/Finance Information System Project will integrate databases for human resources, payroll, and finance, resulting in administrative efficiencies and improved customer service.
2. New system-wide online electronic payment and processing will result in yearly cost savings of \$350,000 to \$400,000.

2003-04

1. In November 2003, the public university system completed a two-year initiative resulting in a unified student information database.

2. Plans are under way to replace administrative software systems for human resources, payroll, and finance to allow for integrated data without cumbersome interfaces.
3. Adopted resource compact plan that allocates resources to the public universities based on students served, and performance in targeted areas of retention and receipt of grants and contracts. South Dakota public higher education system spends average of \$4,084 per student on instruction, compared to \$5,769 nationally, but average faculty member teaches more students (17.7 vs. 15.8).
4. By reviewing best practices, university business officers are identifying and sharing information on different approaches to better serve the universities in a limited resource environment.

**Opportunity #14 – Deaf Education 2004-05**

1. Principal hired to lead instructional program at School for the Deaf.
2. With declining demand for dormitory-based co-curricular programming, School for the Deaf closes dormitory facilities at end of 2004-05 school year and reallocates budget to support instruction.

2003-04

1. The South Dakota School for the Deaf created educational access

for students with cochlear implants.

## ***Sharing the Message: Regents' Initiatives to Deliver More Information on Public Higher Education***

### **Sharing Information with Policymakers**

#### **2005-06**

- **Hosted four mini-roundtable policy sessions open to all legislators.**
- **Hosted Leadership Roundtable prior to start of 2006 legislature.**
- **Sponsored Undergraduate Research Day (EPSCoR) at the Capitol.**

#### **2004-05**

- Hosted six mini-roundtable policy sessions open to all legislators.
- Hosted Leadership Roundtable prior to start of 2005 legislature.
- Held orientation sessions for newly-elected legislators on higher education policy issues.
- Displayed projects funded by the Governor Rounds' Grants for Course Redesign.
- Sponsored Undergraduate Research Day (EPSCoR) at the Capitol.

#### **2003-04**

- Hosted four mini-roundtable policy sessions open to all legislators.
- Hosted Leadership Roundtable prior to start of 2004 legislature.
- Displayed projects that were awarded funding from the Governor Rounds' Grants for Course Redesign.
- Sponsored Undergraduate Research Day (EPSCoR) at the Capitol.

#### **2002-03**

- Hosted four mini-roundtable policy sessions open to all legislators.
- Hosted Leadership Roundtable prior to start of 2003 legislature.

- Held orientation sessions for newly-elected legislators on higher education policy issues.
- Hosted legislators to event recognizing the 50<sup>th</sup> anniversary of the Western Interstate Commission for Higher Education (WICHE) and honoring top students/alumni from neighboring WICHE states.
- Demonstrated Governor's Faculty Awards for Teaching with Technology in the Capitol Rotunda for two days during the 2003 session.
- Sponsored Undergraduate Research Day (EPSCoR) at the Capitol.

#### **2001-02**

- Demonstrated Governor Janklow's Faculty Awards for Teaching with Technology in the Capitol Rotunda during the 2002 session.
- Sponsored Undergraduate Research Day at the Statehouse.

#### **2000-01**

- Conducted new legislator orientation in December 2000 and February 2001.
- Demonstrated Governor Janklow's Faculty Awards for Teaching with Technology in the Capitol Rotunda during the 2001 session.
- Sponsored the EPSCoR undergraduate research day at the Capitol during the legislative session.

#### **1999-00**

- Demonstrated Governor Janklow's Faculty Awards for Teaching with

Technology at a reception for legislators during the 2000 session.

- Initiated a K-16 interim committee report on teacher education, research, and data.

1998-99

- Demonstrated Governor Janklow's Faculty Awards for Teaching with Technology at a reception for legislators during the 1999 session.
- Reviewed the Legislative Internship Program and recommended changes to increase participation among regental students.

1997-98

- Established series of roundtables with legislative leadership and executive branch to discuss higher education activities.
- Established practice of meeting with area legislators at each Board of Regents' meeting to exchange information on higher education activities.

## **Sharing Information with Policymakers and the Public**

2005-06

- **At the invitation of local legislators, held 11 town meetings covering 17 legislative districts. A total of 322 people participated in these meetings.**
- **"Flex Factor" marketing campaign launched in January to help educate high school and technical school students, and recent tech school graduates, about articulation agreements between public universities and technical institutes. A Web site at [www.flexfactor.info](http://www.flexfactor.info) provides information on how many technical school credits will transfer into a specific major at South Dakota public universities.**
- **Developed seven issue briefs summarizing legislative priorities in the 2006 session.**

2004-05

- Developed 15 issue briefs summarizing legislative priorities in the 2005 session.
- Redesigned and updated South Dakota College Prep Web site at

[www.sdcollegeprep.info](http://www.sdcollegeprep.info) to include more information on post-high school planning and careers.

2003-04

- Published "*Report on South Dakota Opportunities*" identifying issues and opportunities for the state's public higher education system, and used the report as the basis for ongoing discussions with students, faculty, administrators, staff, chambers of commerce, community leaders, agriculture and business groups, and state policymakers.
- At the invitation of local legislators, held 10 town meetings representing 21 legislative districts.
- Redesigned *Fact Book*, the regents' annual comprehensive data report.
- Redesigned Board of Regents' Web site to improve access to information.

2002-03

- Developed South Dakota CollegePrep campaign to alert parents and students in grades 7-12 about the importance of postsecondary education and

preparing for college work—mailer distributed to families of 56,000 middle and high school students, companion Web site with detailed information created at [www.sdcollegeprep.info](http://www.sdcollegeprep.info).

- Redesigned *Regents' Update* for e-mail distribution immediately following board meetings—*Regents' Update* provides news of board actions to faculty, staff, and media outlets.
- Redesigned and established schedule for monthly *Regents' Issue Briefs* to highlight data and research on selected higher education policy issues.

2001-02

- Following legislative authorization, began planning rollout of the South Dakota “EduPrep” project for Fall 2002; EduPrep will deliver information about college preparation and career planning to students in grades 7-12 to help them make postsecondary decisions.
- Held town meetings in 18 legislative districts.

2000-01

- Redesigned the Board of Regents' Web page.
- Began the process of planning an electronic newsletter.
- Demonstrated Governor Janklow's Faculty Awards for Teaching with Technology in area shopping malls during the high school basketball tournaments.
- Hosted with the university foundations a higher education conference to focus on South Dakota's grades in *Measuring Up 2000: The State-by-State Report Card for Higher Education* from the National Center for Public Policy and Higher Education and the future

of South Dakota public higher education.

1999-00

- Produced and distributed to 10<sup>th</sup> and 11<sup>th</sup> graders a system viewbook.
- Launched the “YourFutureIsHere” campaign to emphasize to parents and high school students the importance of going to college.

1998-99

- Broadcast over RDT Network during Higher Education Week to many state high schools a panel discussion on the changes in federal financial aid enacted by Congress.

1997-98

- Published annual *Fact Book* with multiple data reports on system higher education.
- Created *Regents' Report* to provide periodic information on higher education.
- Created World Wide Web site with access to information on higher education.
- Published annual *State of Public Higher Education*.
- Created *Regents' Update* to inform faculty and interested parties of actions taken at Board meetings.