

Every day, people at

Mines

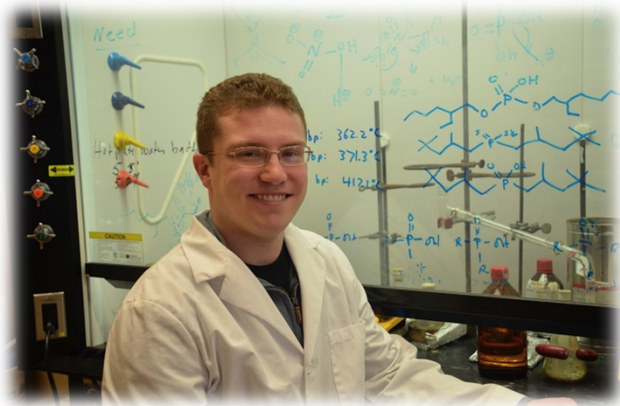
prepare leaders in engineering and science,
increase the world's knowledge and serve others.

Report to the City – August 2015



What Makes Mines Exceptional?

Challenging Academics



Personal Attention



Internships

THE WALL STREET JOURNAL.

**"#1 Best Public University
for Return on Investment"**

March 1, 2015

Great Value

An Even Greater Team

Great Value

THE WALL STREET JOURNAL. ≡ MARKETS

March 1, 2015



5498



374

JOURNAL REPORTS

Are Prestigious Private Colleges Worth the Cost?

A high-school senior, a recruiting manager from Deloitte and a college professor weigh in

#1 in the nation for best return on investment for a public university education. (Wall Street Journal, March 1, 2015)

Best Public Universities for Returns on Investment

For all majors, based on projected earnings over 20 years. Four-year cost is based on 2013 out-of-state tuition, room and board on campus, with no financial aid.

School	Cost	Annual ROI	20-Year Net ROI
South Dakota School of Mines & Technology	\$98,700	10.9%	\$656,000
New Mexico Institute of Mining & Technology	\$122,600	9.0%	\$542,500
Massachusetts Maritime Academy	\$156,900	8.7%	\$641,800
Colorado School of Mines	\$178,500	8.6%	\$719,000
Louisiana Tech University	\$105,100	8.6%	\$422,200
Missouri University of Science & Technology	\$155,800	8.4%	\$603,300
SUNY - Binghamton University	\$119,600	8.4%	\$458,800
Georgia Institute of Technology	\$178,500	8.3%	\$669,300
Montana Tech of University of Montana	\$134,500	8.3%	\$506,800
California Polytechnic - San Luis Obispo	\$156,000	8.1%	\$559,300
University of Minnesota - Twin Cities	\$122,400	8.1%	\$442,300
West Virginia U Institute of Technology	\$114,100	8.1%	\$414,100
Prairie View A & M University	\$127,800	8.0%	\$454,100

An Even Greater Team

Internships & Professional Development

- Employment starts with internships
- 78% of recent graduates have at least one co-op or internship
- This summer: Mines interns at 223 companies, \$17.57/hour

It's the...



Personal development on a professional level



career preparation



cultural & global diversity



community involvement



personal development



leadership & teamwork



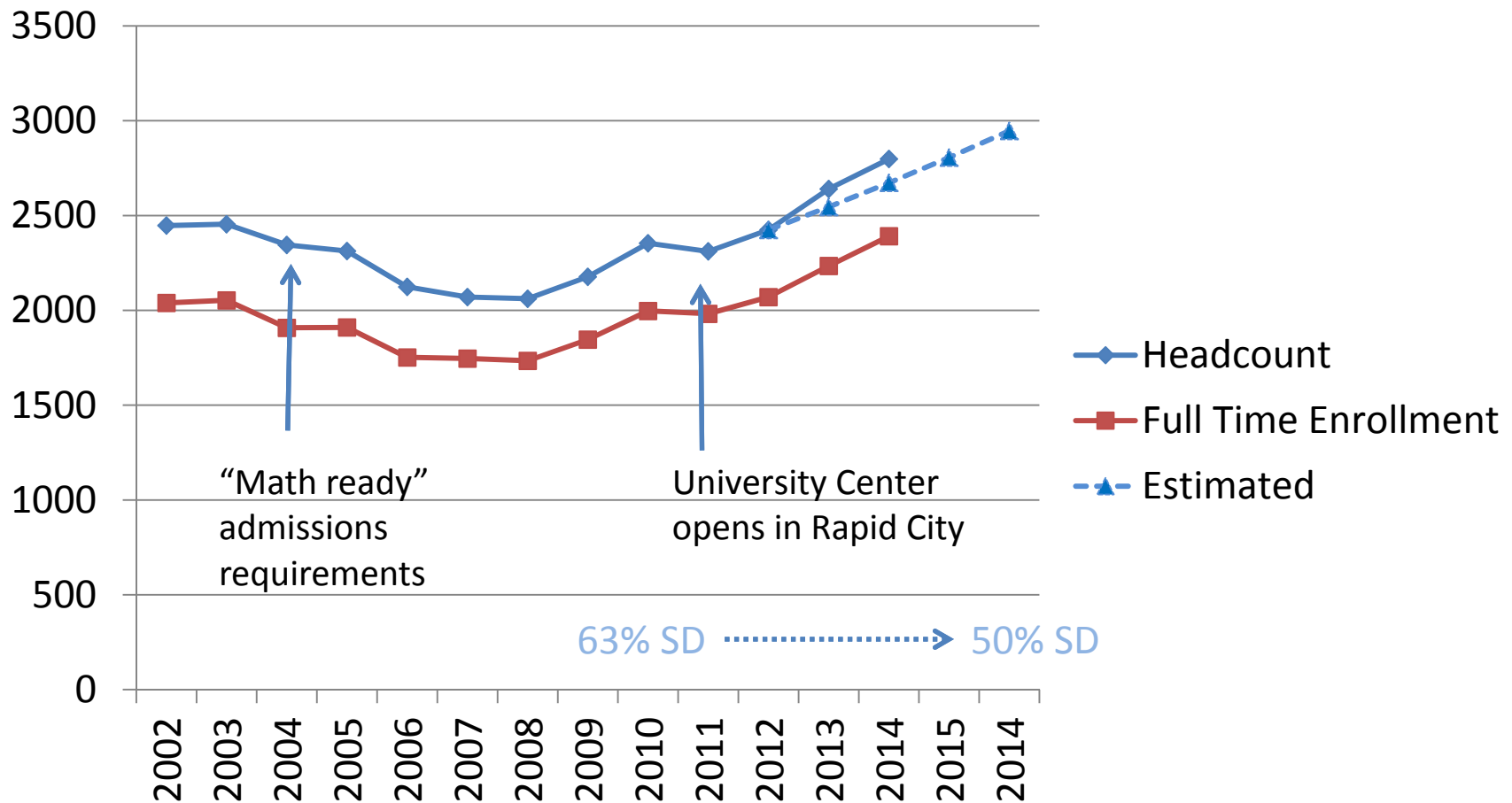
communication



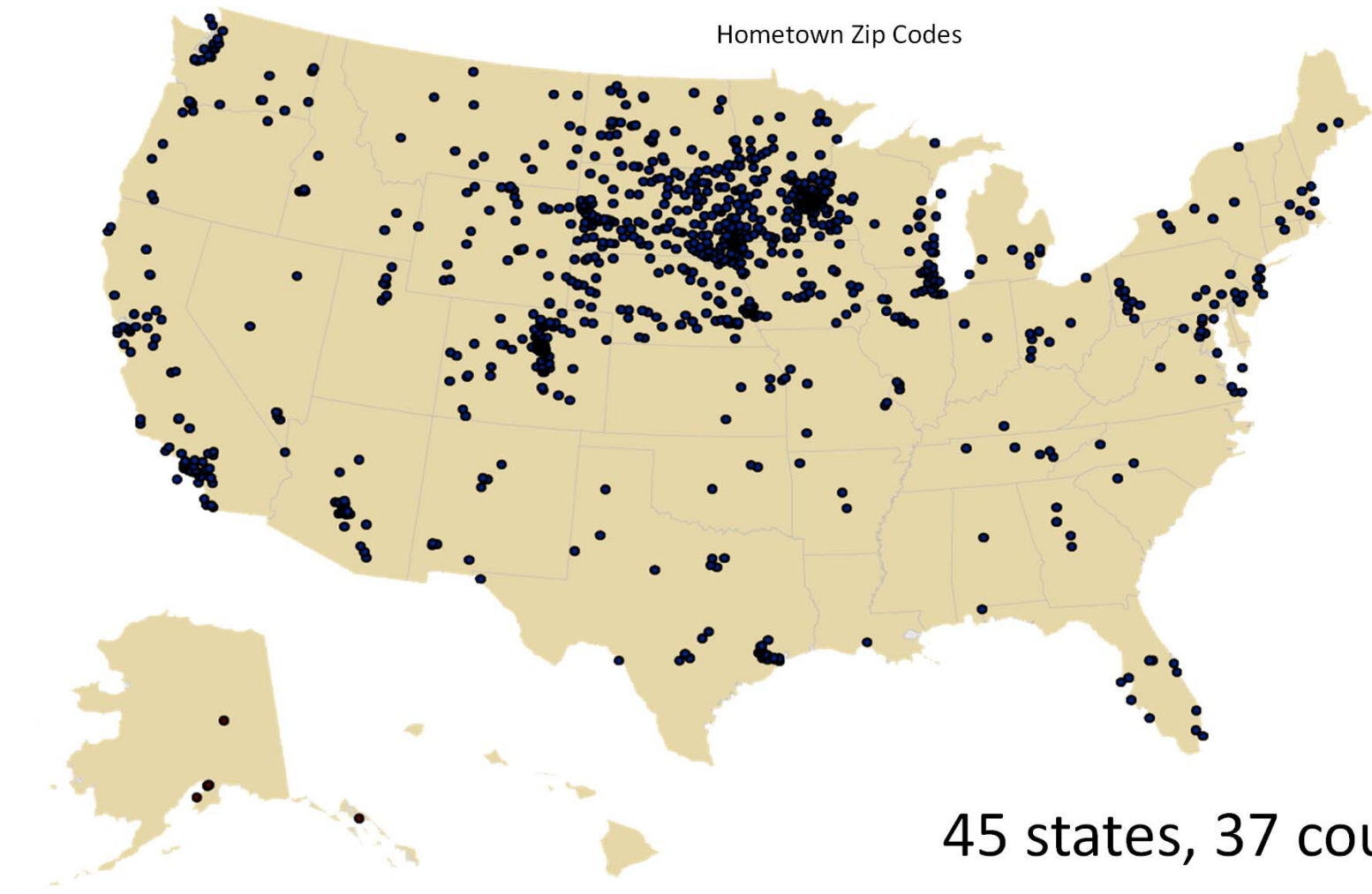
An Even Greater Team

Enrollment

- Focus on student success
- Previous 2 years exceeded plan
- Fall 2015 – more modest



2014: Growth From CO, MN, CA, TX, AZ, WA



45 states, 37 countries

An Even Greater Team

I came for the school. I stayed for the job.
.. and the lifestyle.

20% of the out of state students have their first zip code after graduation in South Dakota.



What Are We Studying?

Bachelors Degrees	Number
Applied Biology	57
Applied Math	29
Civil & Environmental Engineering	259
Computer Engineering	95
Chemical & Biological Engineering	245
Chemistry	35
Computer Science	171
Electrical Engineering	182
Geology	88
Geological Engineering	99
Industrial Engineering	113
Interdisciplinary Science	75
Mechanical Engineering	610
Metallurgical Engineering	103
Mining Engineering & Management	120
Physics	50

Masters	Number
Construction Management	12
Engineering Management	45
Mining Management	16
Atmospheric Science	20
Biomedical Engineering	4
Civil & Environmental Engineering	21
Chemical & Biological Engineering	12
Chemistry	12
Computer Science and Robotics	11
Electrical Engineering	18
Geology	15
Mechanical Engineering	15
Materials Engineering & Science	18
Paleontology	14
Physics	2

Doctoral Degree Students Doubled in 10 Years

PhD	Number
Atmospheric	9
Biomedical	8
Chemical & Biological Engineering	18
Civil & Environ	1
Geology	12
Mechanical	10
Materials Engineering & Science	13
Nanoscience	10
Physics	13

- Physics started in 2013
 - Aligned with Sanford Underground Research Facility
- Civil Engineering started in 2014



Rocky Mountain Athletic Conference



130+ Scholar-Athletes on
Deans List



An Even Greater Team

130th Black Hills Brawl Homestake Trophy

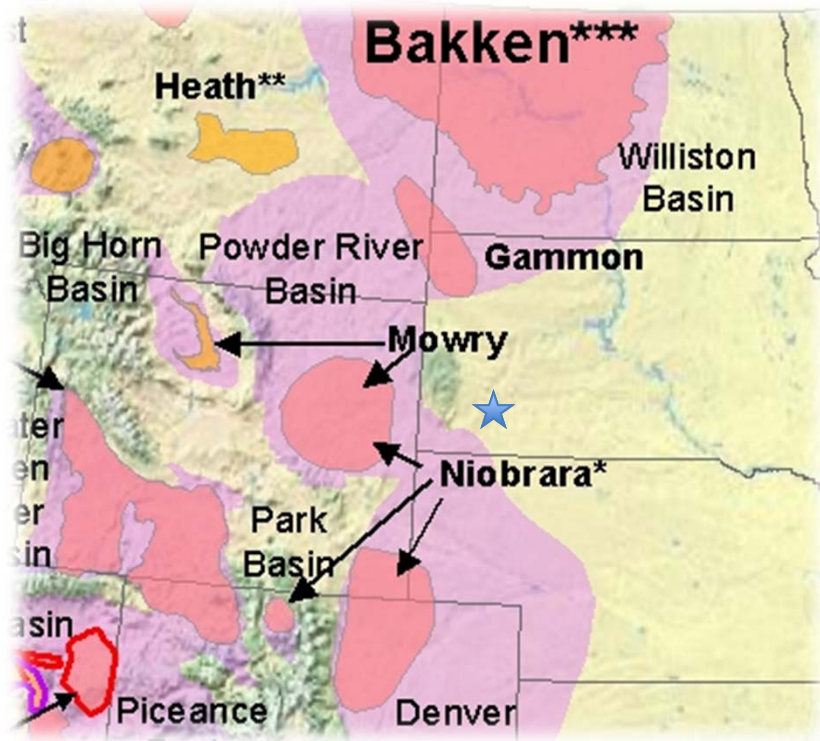
Longest Running NCAA Division II Rivalry in College Football



Saturday, September 12
4:30-6:00 Tailgating
6pm Kick-Off

An Even Greater Team

Energy Resources Initiative



- Minor in Petroleum
 - Upstream exploration & production, or
 - Downstream refining
- Graduate Certificate
- Research
 - Modeling, shale, water, bio-stimulation, materials
- \$1.4 million raised for 5 years
- 40+ Students engaged
- First petroleum field camp

Starting this Fall



- Minor in Environmental Science



- Minor in Global Engineering

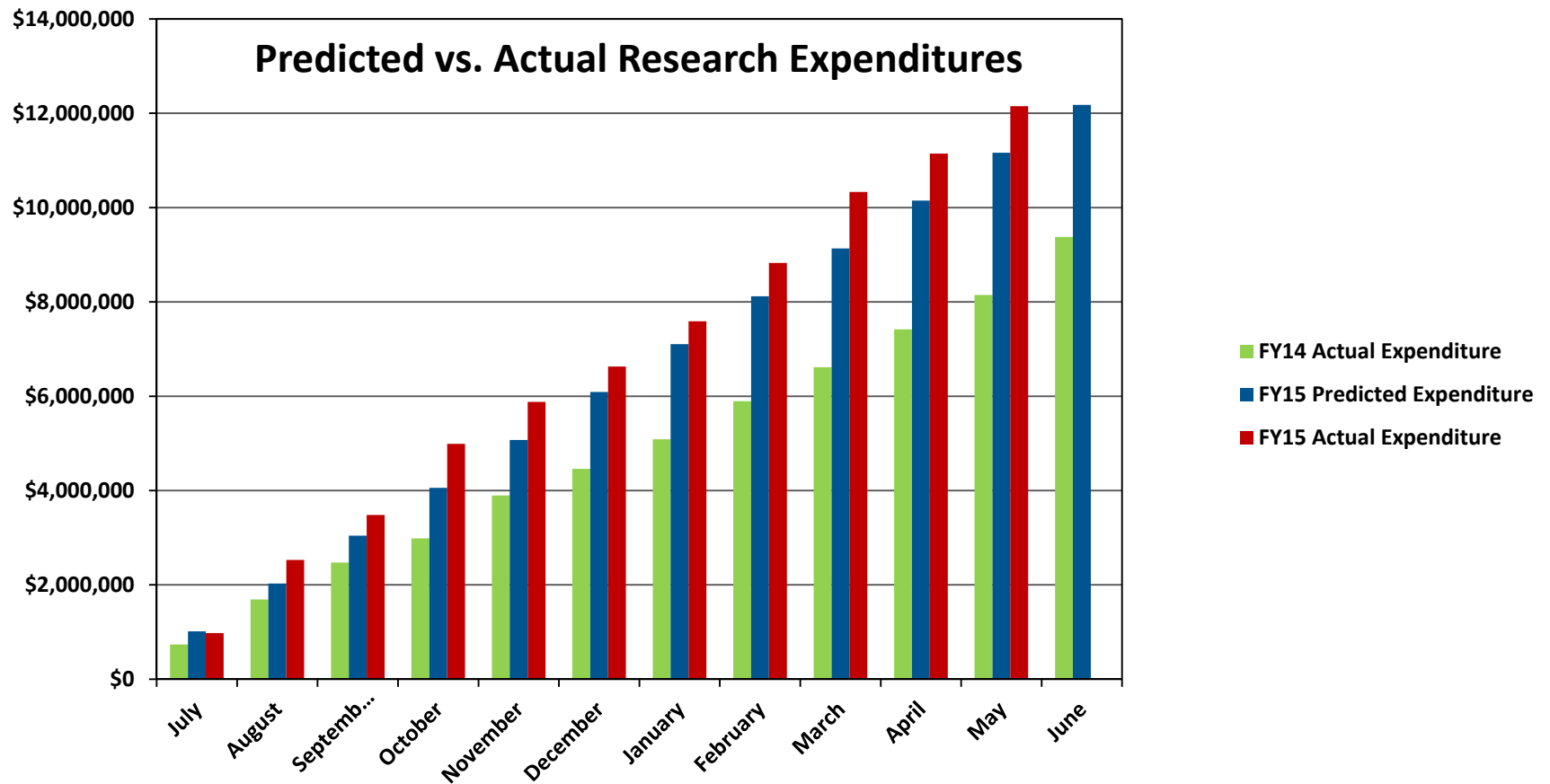


- Minor in Military Science



- Minor in Computational Statistics
(Big Data)

Research – Steady Growth



FY15 – More than \$18 million in research awards

An Even Greater Team

Catalyze Economic Development



- 50+ Corporate Relationships
 - 4 Fortune 500 Companies
 - 7 local businesses
- 20 incubated companies Black Hills Business Development Center since 2007
- 3 years at Mines:
 - 24 Patents filed
 - 7 Licenses executed
 - 2 start-up companies



Nanofiber Separations, LLC



VRC Metal Systems

An Even Greater Team

Economic Impact: 25 South Dakota Employers are in our Top 100 Recruiting from Mines



SENCORE



FOET



An Even Greater Team

Direct Economic Impact

\$94 million annual budget

\$38.9 million salaries and benefits

434 employees

Facilities: Redevelop Needed Living, Learning and Research Spaces



Done!



An Even Greater Team

Chemistry and Applied Biological Sciences

- Applied biology is fastest growing program
- Chemical and Biological Engineering 3rd largest program on campus
- \$6 million state bonds
- Construction starts Fall 2015



An Even Greater Team

Improving the Neighborhood

Rocker Square II

Newman Center

Rocker Square I

Surbeck



Fall 2014 – Rocker I and II Leased by Mines

An Even Greater Team

Foundation to Build Next Dorm



- Construction Starts Sep 12, 2015
- 202 Bed Spaces
- Opens Fall 2016



An Even Greater Team

Student Success: Prepare more undergraduate students for leadership in engineering and science

- Strengthen advising, tutoring & mentoring
- Increase Scholarships

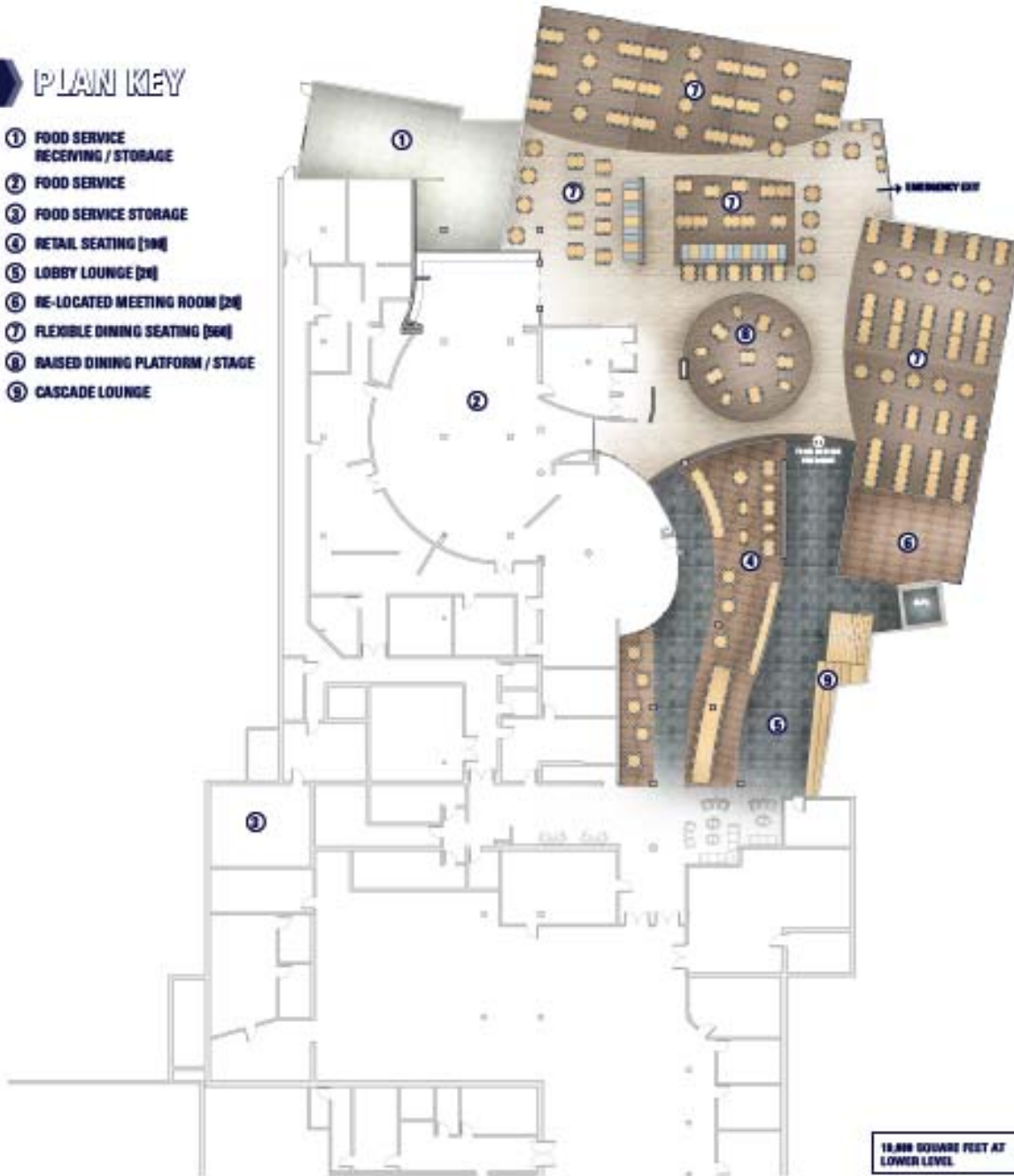
Place: Bringing Together Tutoring, Mentoring, Counseling, Advising



An Even Greater Team

PLAN KEY

- ① FOOD SERVICE RECEIVING / STORAGE
- ② FOOD SERVICE
- ③ FOOD SERVICE STORAGE
- ④ RETAIL SEATING (100)
- ⑤ LOBBY LOUNGE (20)
- ⑥ RE-LOCATED MEETING ROOM (20)
- ⑦ FLEXIBLE DINING SEATING (500)
- ⑧ RAISED DINING PLATFORM / STAGE
- ⑨ CASCADE LOUNGE



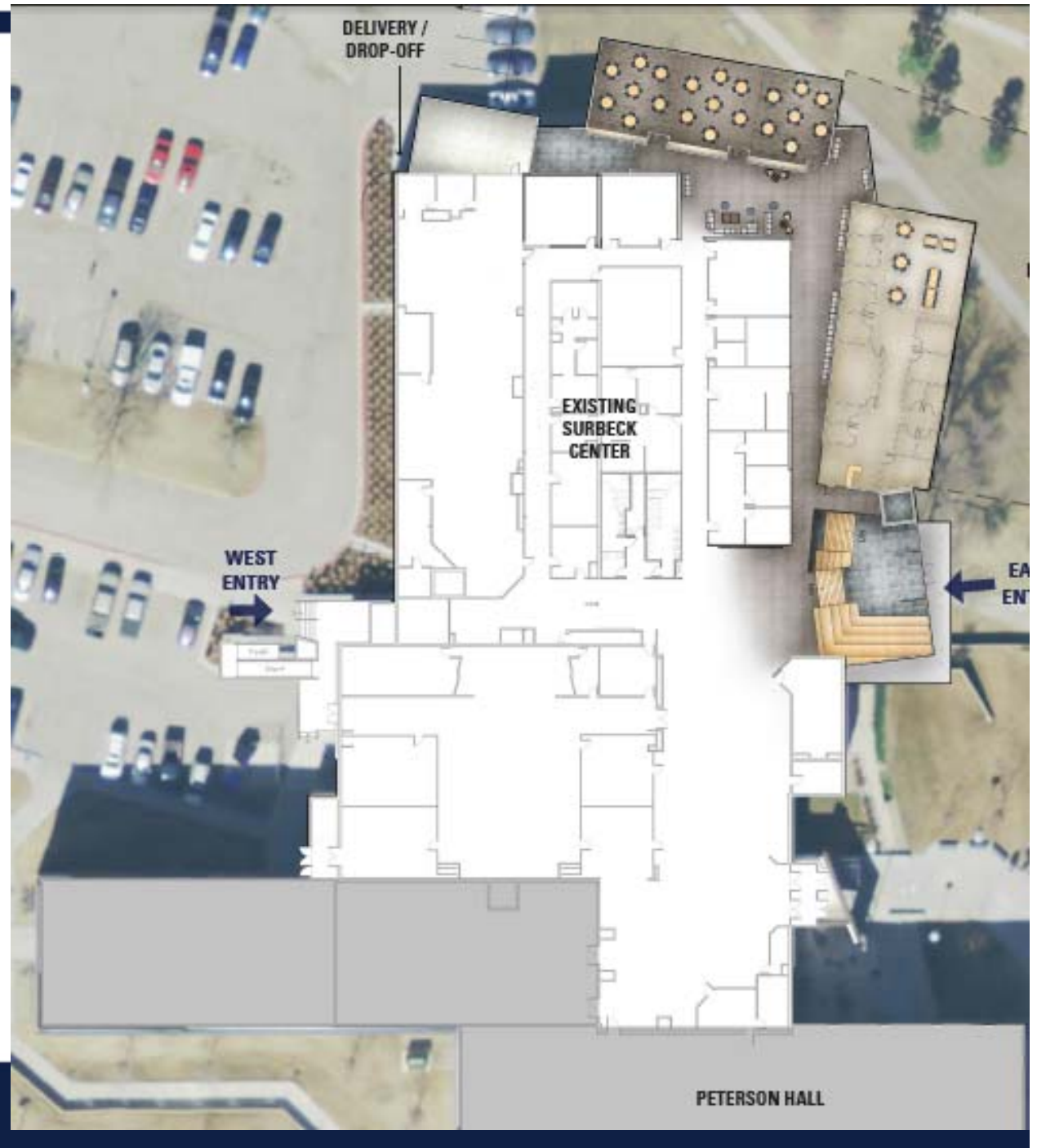
Lower Level

- 300 more dining spaces
- Studying, gathering, lingering space

An Even Greater Team

Upper Level

- Student Success Center
- Tutoring Center
- Study Space
- Meeting Space
- Tiered Entry Stairs



Scholarship Students Stick With It



- Retention rate 90% with a freshman scholarship
- 77% for student body as a whole

Athletic Scholars Too

- 79% of athletes in most recent cohort graduated
- 86% of NCAA athletes sign a Letter of Intent when it is presented.



Janelle Strampe –
RMAC Female
Athlete of the Year

Brian Freed –
Mines first NCAA
All-American

An Even Greater Team

Leaders Serve



- 17 Student groups collected over 3,000 lbs of food in the 2015 food drive
- 8,543 service hours last year

Freshman Day of Service: Sunday, Aug 23, 1:30-4:00pm

Surbeck Center

Questions? Contact Cory Headley, 605-394-2336, Cory.Headley@sdsmt.edu

An Even Greater Team

How Can We Make Things Even Better?

- Zoning to facilitate investment and renewal between 5th and Mines
- The next incubator. . .
- Transportation between Mines and downtown
- Business and Community Engagement with Mines and Mines Students
- A Hardrocker Town...

The Future of Rapid: Who Will We Become?

- Rapid Innovation – a vibrant arts and innovation city
- 1000 more knowledge-based jobs by 2025
- Great jobs, great schools, great life, great city. . .



B9 Creator
What will you **CREATE** ?
Ideal for
MAKERS, TINKERERS, DESIGNERS and JEWELLERS



B9 creator kit:
\$3,490

B9 Creator assembled:
\$4,595

The advertisement for the B9 Creator laser cutter shows two options: a red laser cutter kit for \$3,490 and a fully assembled silver laser cutter for \$4,595. The assembled unit is shown with a red laser beam and a control panel.

An Even Greater Team

Thank You!



An Even Greater Team