



Clemson 2009-2010 Plan and Budget Request

Presentation to the S.C. Commission on Higher Education

August 6, 2008

Recent achievements

- Ranked #27 among national public doctoral universities
- #1 place to work in academia (The Scientist magazine)
- Top place to work for collaborative governance (Chronicle of Higher Education)
- Ranked #62 worldwide for supercomputing
- Record number of undergraduate and graduate applications



More recent news

- Campbell Center at CU-ICAR open for business
- Innovation Center for advanced materials under way
- Bioengineering facilities on campus and in Greenville under way
- Named Center of Excellence for watershed management by EPA
- New Academic Success Center construction under way



NSSE Ratings (Seniors -- 1-4 scale)

	Clemson	Carnegie
Would attend again	3.50	3.18
Overall educational experience	3.47	3.17
Memorizing/repeating facts	2.64	2.78
Applying theories	3.37	3.18
Analyzing theories, ideas	3.30	3.22
Institutional support	3.10	2.83
Critical thinking	3.46	3.36
Solving real-world problems	2.96	2.74
Quality of advising (freshmen)	3.12	2.92

Reasons for Clemson's Success

- Vision, Mission and Goals that are clear, well-communicated and embraced by the campus
- Unwavering commitment to quality in all endeavors
- *A Plan (Academic Road Map)*
 - Revamped curriculum
 - Eight emphasis areas
 - Economic development initiatives
 - Student support and engagement (Academic Success Center, Creative Inquiry, Study Abroad portals, Phi Beta Kappa chapter)
- Budgeting to the Plan

Clemson: Since Adopting Top 20 Vision

2001

National ranking -- 39

Graduation rate -- 71%

SAT range -- 1080-1260

Top 10% freshmen -- 37%

Classes under 20 -- 23%

Student/faculty ratio -- 16/1

Alumni giving -- 23%

2007

National ranking -- 27

Graduation rate -- 74%

SAT range -- 1120-1310

Top 10 % freshmen -- 47%

Classes under 20 -- 43%

Student/faculty ratio -- 14/1

Alumni giving -- 27%

Clemson: Since Adopting Top 20 Vision

2001

Private gifts (academics) – \$37.1M

Research awards – \$93M

Endowment – \$214.3M

Start-ups – 0

Active IP licenses – 10

PhD enrollment – 684

2007

Private gifts (academics) – \$98.8M

Research awards – \$141.1M

Endowment – \$375M

Start-ups – 4

Active IP licenses – 35

PhD enrollment – 1130

Rankings of Benchmarks (among public universities)

2001

Georgia Tech (10)

UC-Davis (10)

Texas A&M (15)

Purdue (21)

Virginia Tech (24)

Michigan State (28)

Iowa State (37)

N.C. State (37)

Clemson (39)

Auburn (44)

Mississippi State (3rd tier)

2007

Georgia Tech (7)

UC-Davis (11)

Texas A&M (23)

Purdue (24)

Clemson (27)

Michigan State (29)

Virginia Tech (29)

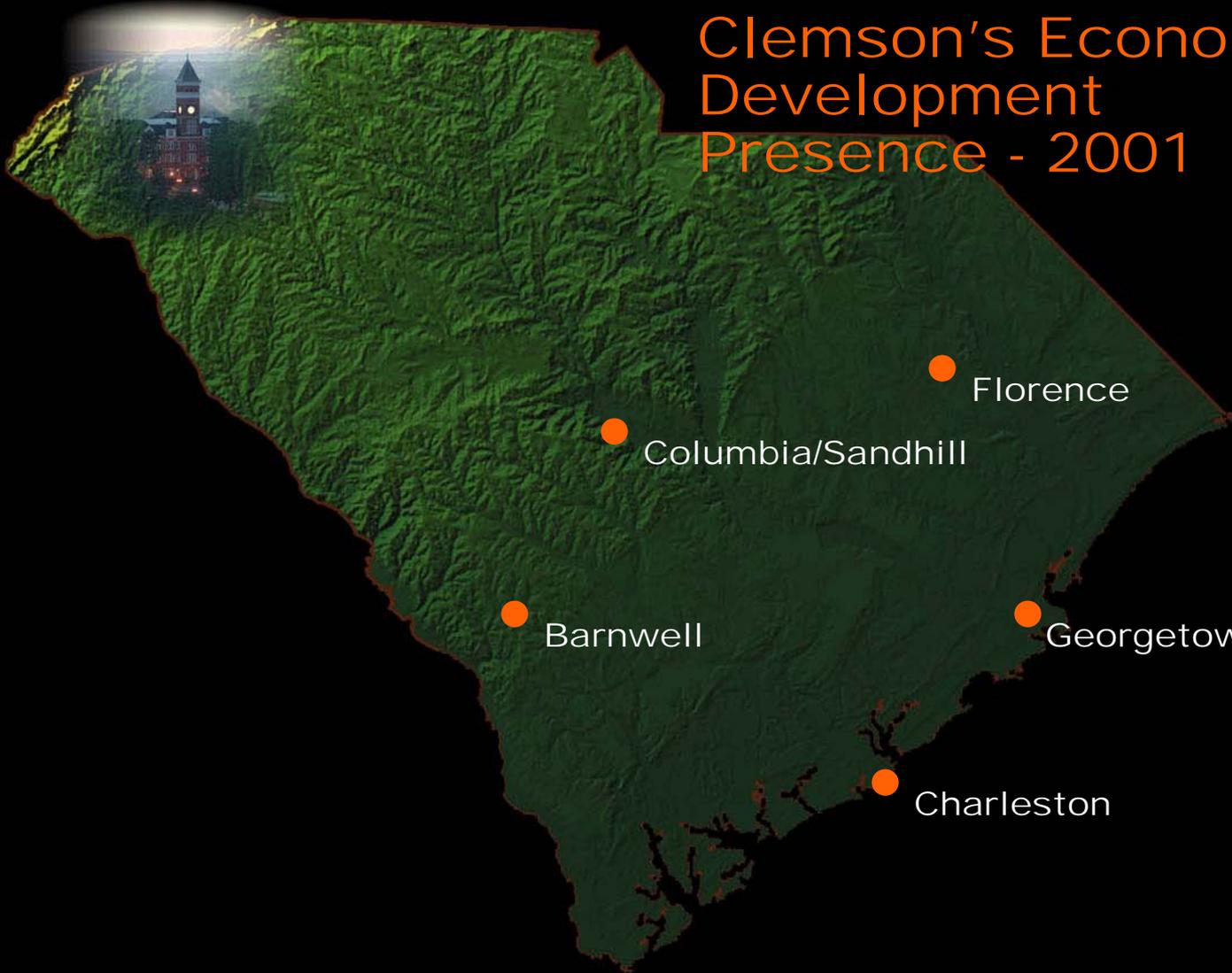
Iowa State (38)

NC State (38)

Auburn (45)

Mississippi State (3rd tier)

Clemson's Economic Development Presence - 2001



Florence

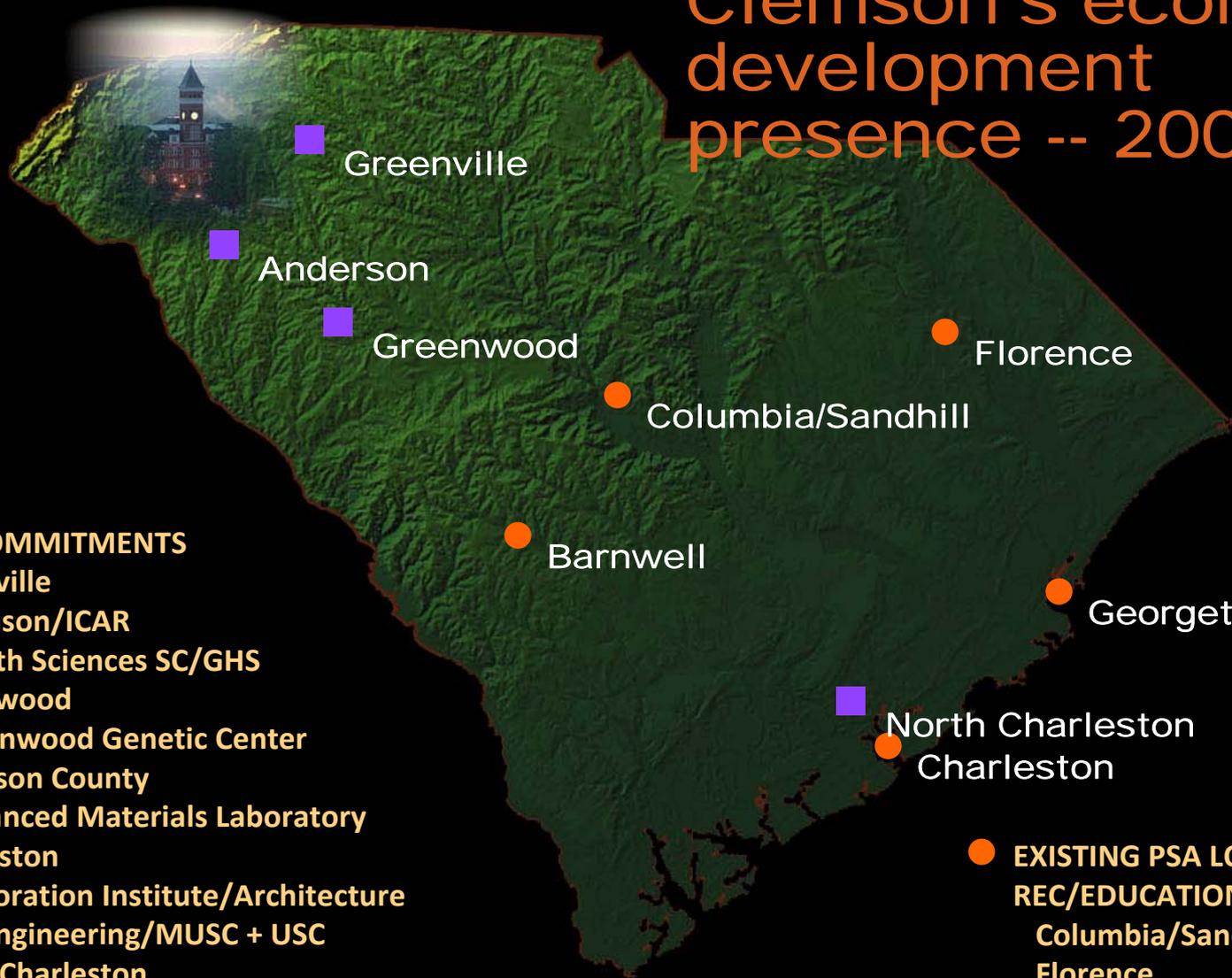
Columbia/Sandhill

Barnwell

Georgetown

Charleston

Clemson's economic development presence -- 2008



- **NEW COMMITMENTS**
 - Greenville
 - Clemson/ICAR
 - Health Sciences SC/GHS
 - Greenwood
 - Greenwood Genetic Center
 - Anderson County
 - Advanced Materials Laboratory
 - Charleston
 - Restoration Institute/Architecture
 - Bioengineering/MUSC + USC
 - North Charleston
 - Restoration Institute/
 - Environmental Engineering
 - Material Science

- **EXISTING PSA LOCATIONS
REC/EDUCATION CENTERS**
 - Columbia/Sandhill
 - Florence
 - Barnwell
 - Charleston
 - Georgetown

The next five-year plan: A road map for competitiveness

- Deliver a top-20 educational experience for our students
- Drive economic development for S.C.
- *Successfully integrate the two* in order to . . .
 - Make students more competitive for jobs and graduate school
 - Make faculty more competitive for external funding
 - Make S.C. more competitive in recruiting, starting and growing knowledge-based industries
 - Distinguish Clemson among its peers and increase the long-term value of a Clemson degree

The Clemson Road Map: Strategic Priorities

Intellectual Development

- Reinvent the living/learning experience and change the culture to engage students and promote creativity

Economic Development

- Invest in emphasis area niches that drive economic development. Priorities include: CU-ICAR, the Clemson University Restoration Institute, the Center for Advanced Materials, and the Bioengineering Translational Research Center.

Support

- Build a robust cyber-infrastructure to support teaching and research
- Provide 21st century facilities and learning spaces
- Focus on outputs more than inputs

The Clemson Road Map: Funding Strategies

- **Funding for the Clemson Road Map will include:**
 - State appropriations (E&G and PSA)
 - Capital bond bill
 - Internal reallocations, including faculty positions
 - Private gifts
 - External grants
 - Public/private partnerships
 - Savings from cost efficiencies, including regulatory relief
 - Federal funding
 - Generated revenues
 - Tuition and fees

2009-2010 E&G Funding Priorities: Intellectual Development

- **Increased base funding for core academic programs**
 - Clemson's total state appropriation for 2007-2008 remains \$4 million *below* 2000-2001 levels.
- **Academic Road Map** **\$4.8 million**
 - Provide faculty, start-up and operating support, and graduate assistantships.
- **University system cyber-infrastructure** **\$2.5 million**
 - Acquire and maintain a critical IT infrastructure capable of supporting classroom instruction and faculty research.
- **Student Information System** **\$3 million**
 - Acquire and maintain a student information system to support critical enrollment and business support functions and protect student privacy.
- **Veterinary Institute** **\$1.5 million**
 - Hire first cluster of DVMs to support increased veterinary education and research opportunities for S.C. students through a partnership with the University of Georgia.

2009-2010 E&G Funding Priorities: Economic Development

- **Cluster hires** **\$4.2 million**
Recruit faculty teams within emphasis areas that support state industry clusters
- **S.C. Light Rail** **\$1.5 million**
Provide a premier research network to connect universities, research institutions and research partners to enhance collaboration and increase competitiveness for external funding.
- **CU-ICAR** **\$1.5 million**
Provide funding and support for the CU-ICAR Partnership Office, which serves as the business development and operational hub of the campus.
- **Clemson University Restoration Institute** **\$3 million**
Enhance the emerging restoration industry cluster and protect natural resources.

2009-2010 E&G Funding Priorities: Statewide Initiatives

- **Faculty and staff**
 - Include faculty and staff – our greatest intellectual resource -- in statewide compensation plan.
- **Research Centers of Economic Excellence** **\$30 million**
 - Continue to dedicate a portion of lottery revenues to endow chairs so that research universities can recruit world-class faculty members who can build top graduate programs to support industry and build a knowledge-based economy.
- **Statewide virtual library** **\$2 million**
 - Create a virtual collection of 12 million volumes in academic libraries so that they can be available to every faculty member and student within 24 hours.

2009-2010 Funding Priorities: Facilities

- **Lee Hall renovation** **\$31 million**
 - Home to some of Clemson's most competitive and highly-ranked programs, Lee Hall – which turns 50 this year -- has been cited during numerous accreditation visits and must be renovated before the next reaccreditation cycle.
- **Hunter Chemistry Laboratory addition** **\$50 million**
 - Construct a 90,000-square-foot research wing on the west side of Hunter Hall to support the chemistry department in realizing its potential as a nationally recognized research and teaching program and to meet increasing demand for teaching and research space.
- **Engineering & Science Building** **\$40 million**
 - Construct a signature building bringing together scientists and engineers involved in research related to energy and the environment. This new collaboration will draw from several engineering and science departments, such as civil engineering, environmental engineering and earth sciences, electrical engineering and physics.
- **Air quality /deferred maintenance** **\$10 million**
 - Upgrade HVAC systems in several buildings to improve adequate fresh air and exhaust systems. Address critical deferred maintenance projects that involve safety and utility infrastructure needs.

2009-2010 Legislative Priorities

- **Capital Bond Bill for Higher Education**
 - South Carolina has not enacted a capital bond bill for general academic facilities since 1999. As a result, many heavily-used core academic facilities are outdated and cannot support a 21st century teaching and learning environment. These 50 – to 70-year-old structures need to be renovated, expanded or replaced if we are to compete for top faculty and keep our best and brightest students in-state.
- **Regulatory Relief**
 - Declining state funding makes it more imperative that colleges and universities be highly productive, extremely cost-efficient and creative in finding alternative ways to provide facilities and support services. Regulatory relief is needed, focused in the following areas:
 - Public-private partnerships
 - Facilities
 - Human Resources
- **Veterinary Collaborative**
 - A partnership between the State of S.C. and the State of Georgia through the Clemson/University of Georgia Veterinary Collaborative, will double the number of veterinary admission slots available to S.C. students, helping support the state's animal industries.

The Clemson Road Map

University economic/intellectual development



Create jobs



Higher tax base



More state revenues to invest in university
economic/intellectual development



Thomas Green Clemson's Vision

“ . . . we should feel that our mission on earth had not been in vain, if anything we have said should awaken the minds of our people to the urgent necessity of inaugurating an education system which is the only hope for South Carolina, assured as we are, that like the rays of the sun, it will give life, vigor and prosperity to unborn thousands, and make our State as she should be, a blessing to her people, and a brilliant light to the world.”