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State University System of Florida

Strategic Plan Alignment

Dr. Jan Ignash, Vice Chancellor
For Academic and Student Affairs
March 19, 2014

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Strategic Plan Progress Review

Key Strategic Plan Metrics

Total R&D Expenditures

Baccalaureate Degree Production

4-Year graduation rate

6-Year graduation rate

STEM baccalaureate production

STEM baccalaureate % of total awards

Graduate degree production

STEM graduate % of total awards

% baccalaureates earned without excess hours

STEM graduate degree production

R&D funded externally

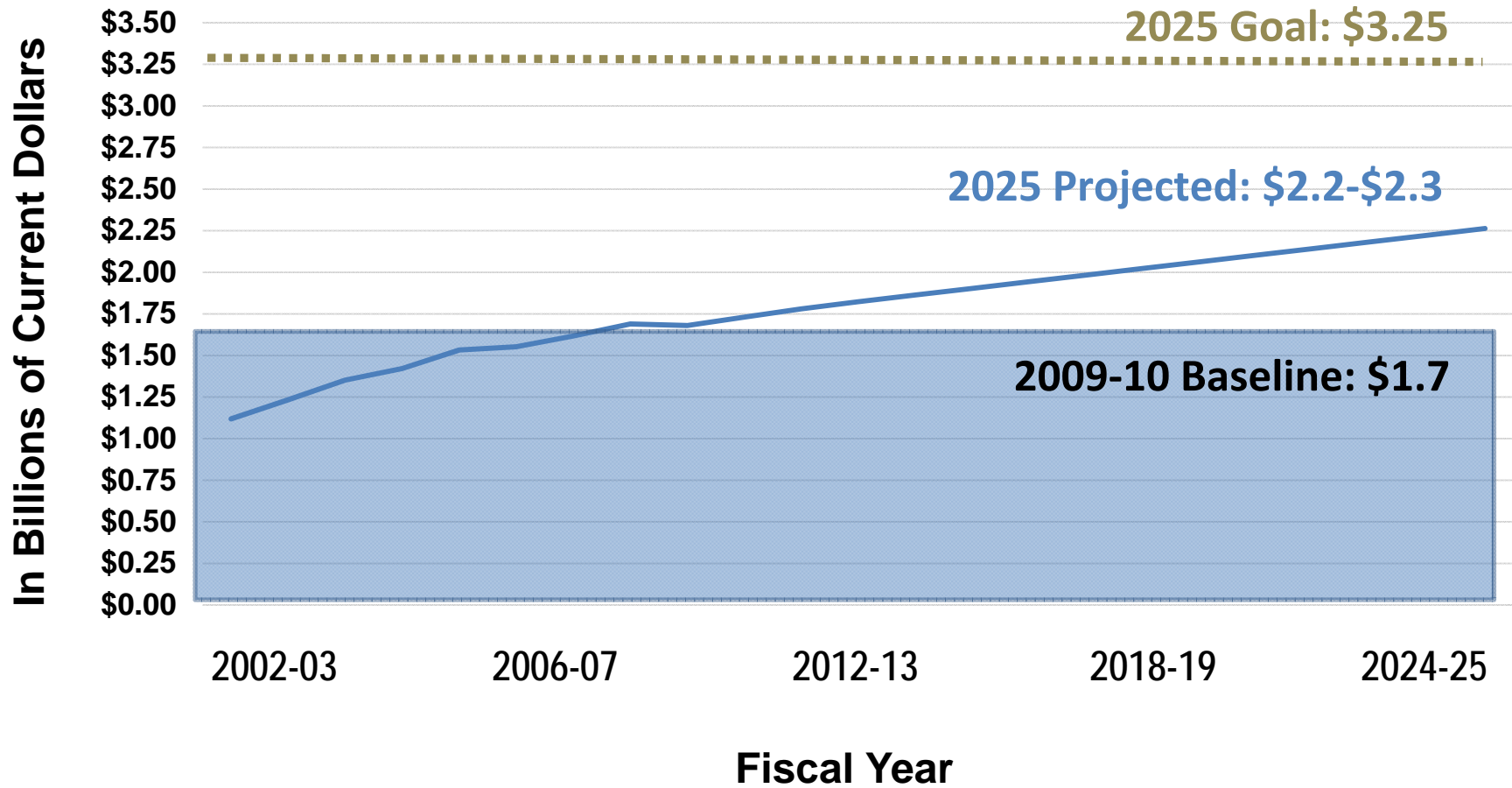


Strategic Plan Progress Review

2012-2025 Strategic Plan Metric	2025 Strategic Plan Goal	Current Projection to Year 2025	2025 Gap
Total R&D Expenditures	\$3.25B	\$2.2B/\$2.3B	-33%/-29%
Baccalaureate Degree Production	90,000	82,770	-8%
Graduate Degree Production	40,000	31,880	-20%
STEM Graduate Production	14,000	7,840	-44%

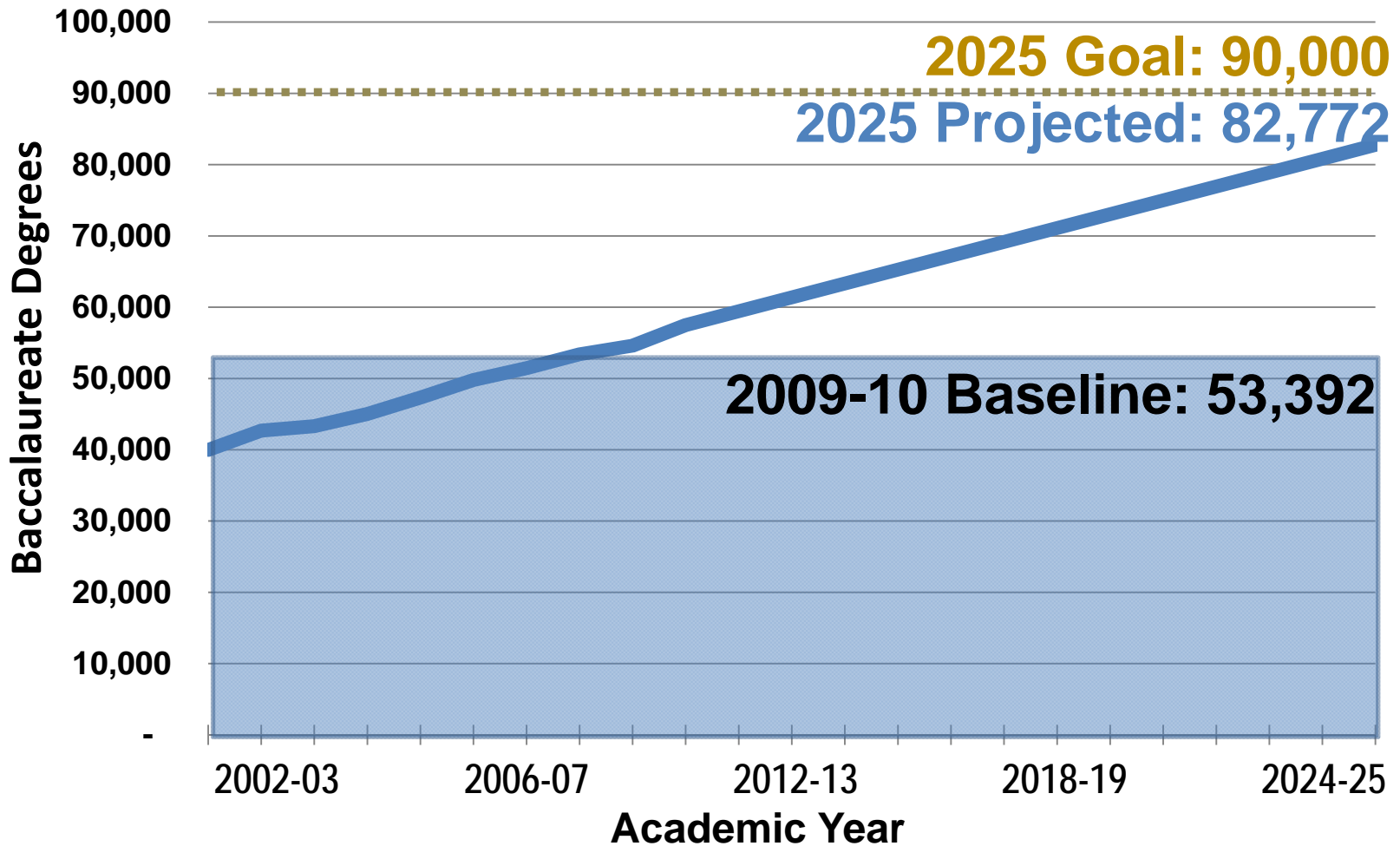


Total R&D Expenditures





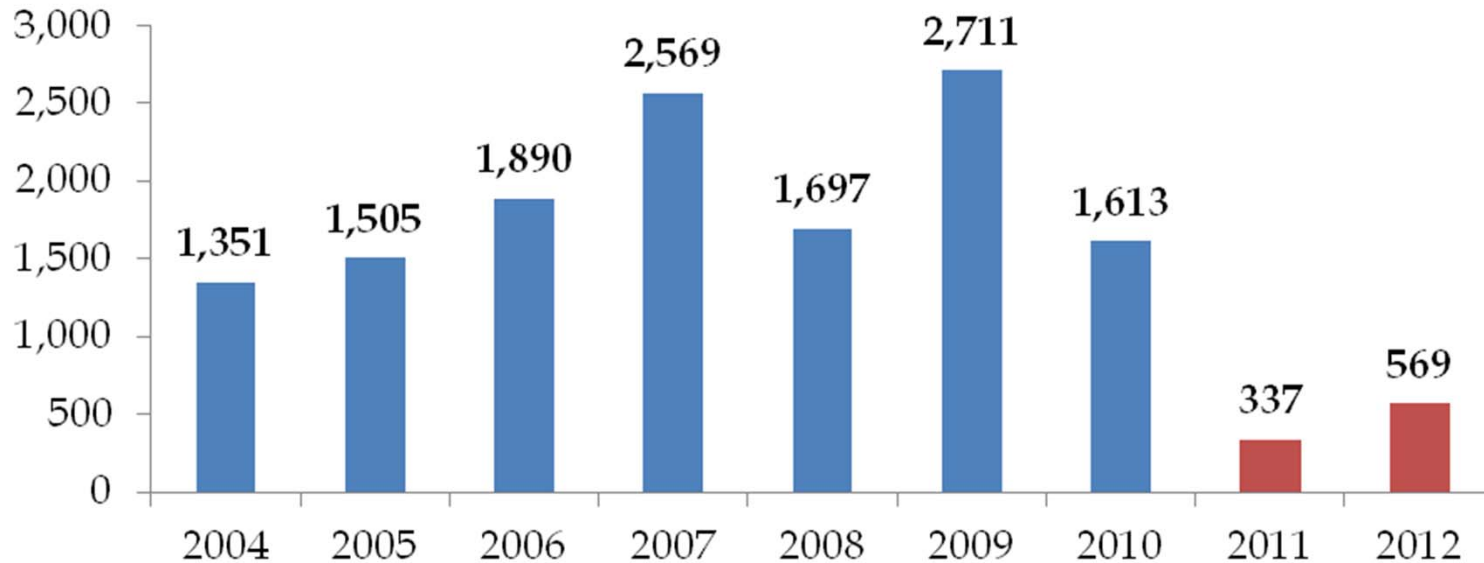
Baccalaureate Degree Production





Graduate Enrollment Changes

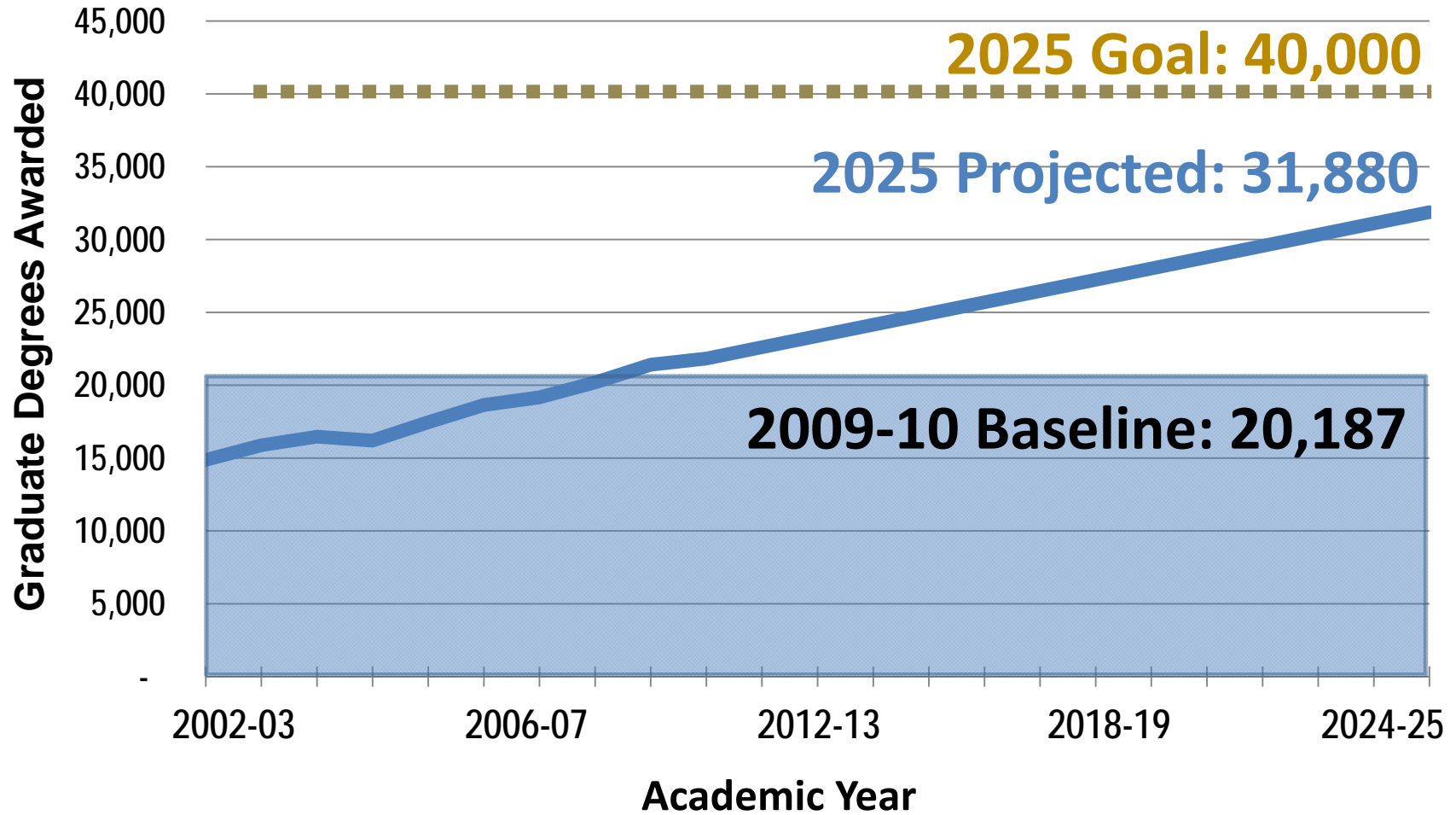
Annual Net Enrollment Change at the Graduate Level in the State University System of Florida*



*Note: Analysis was conducted by subtracting one year's headcount enrollment by that of the preceding year.

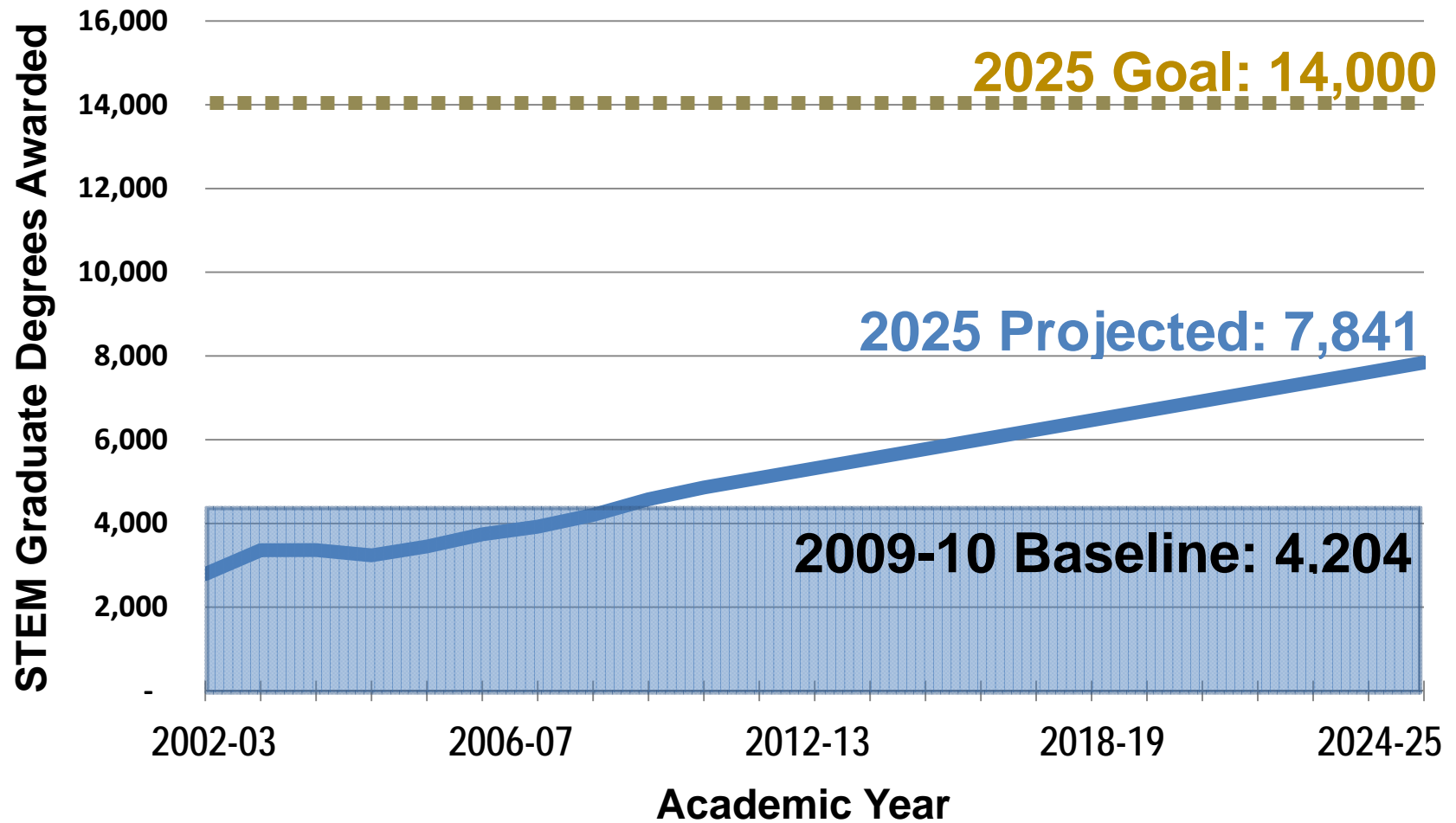


Graduate Degree Production



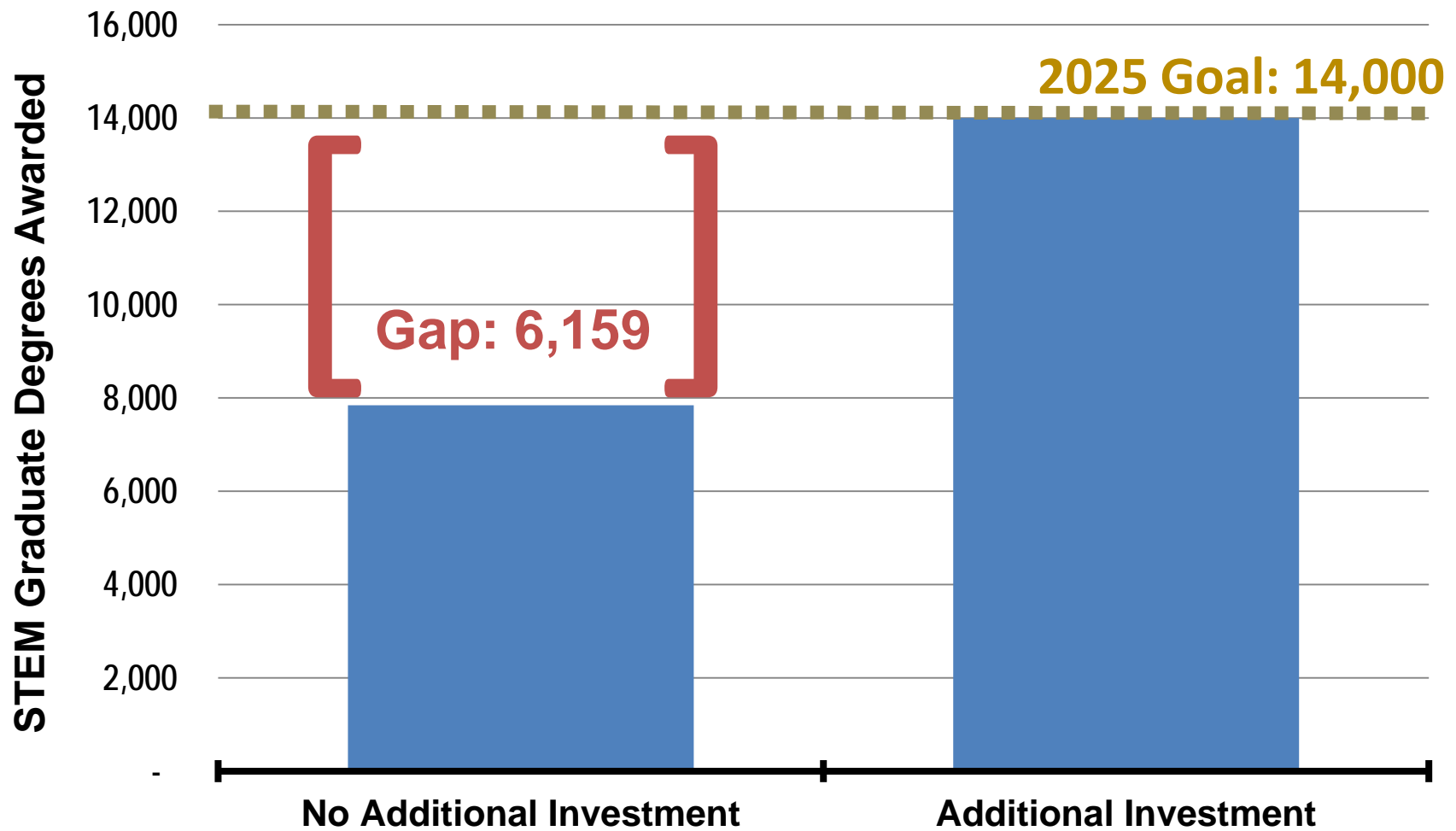


STEM Graduate Degree Production



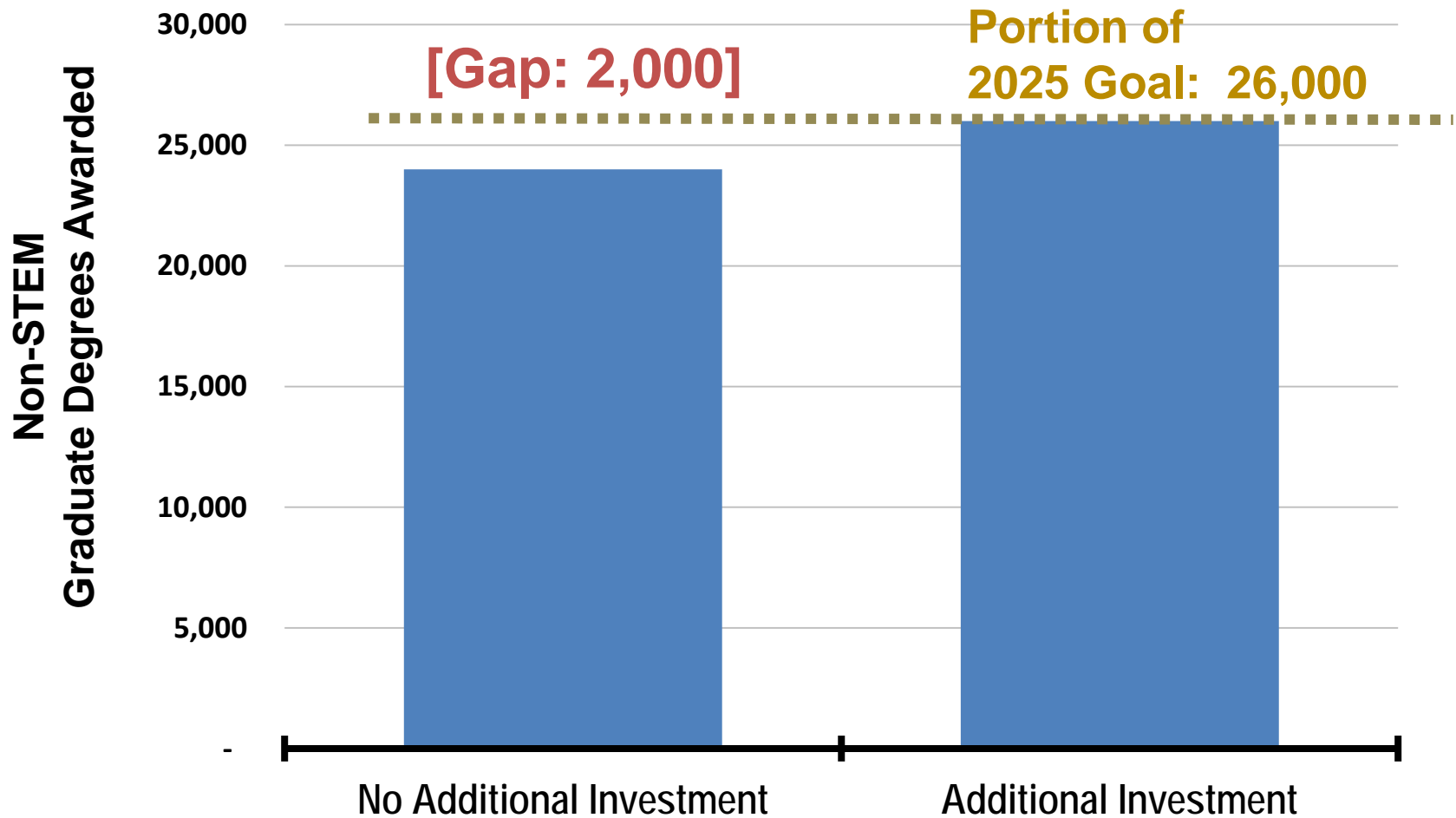


STEM Graduate Degree Production



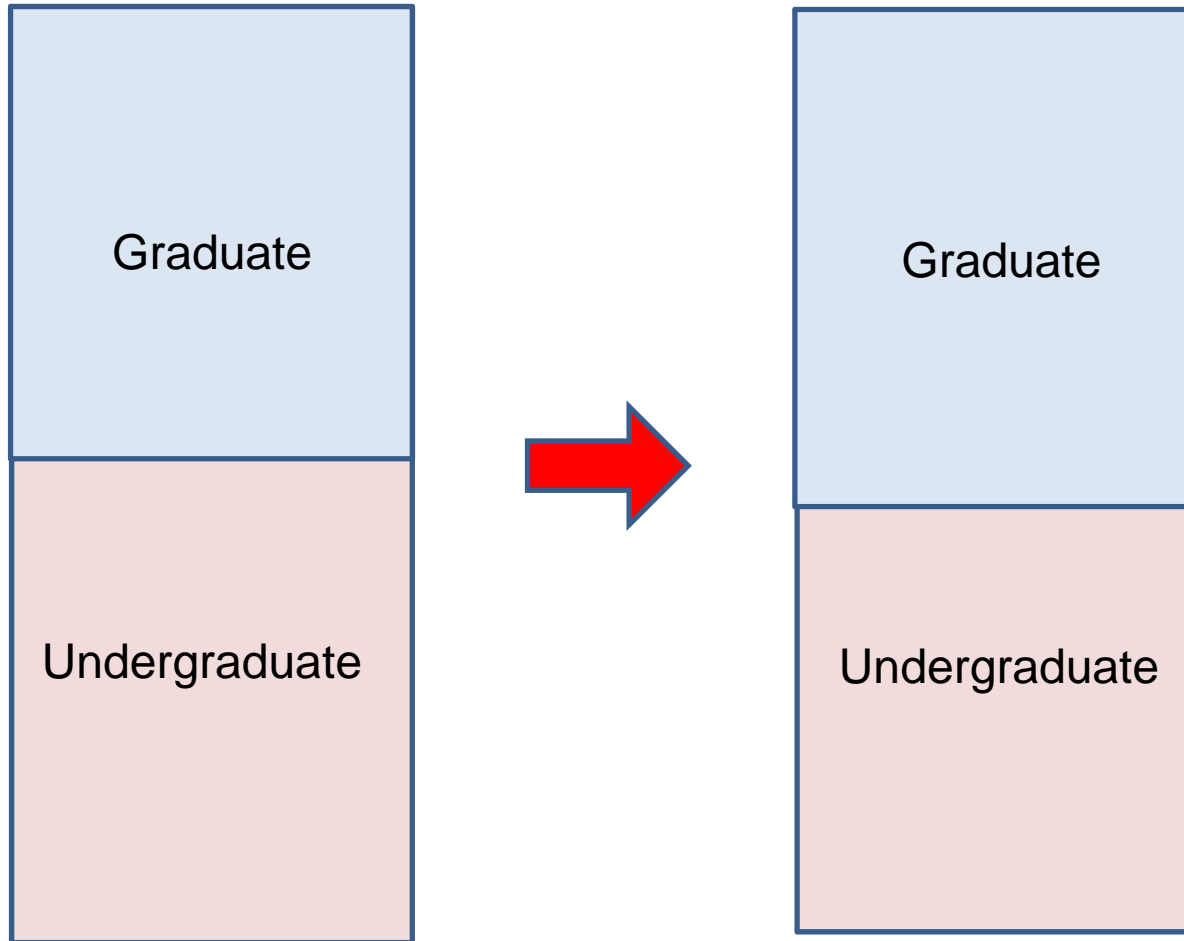


Graduate Degree Production: Non-STEM





Shifting the Mix

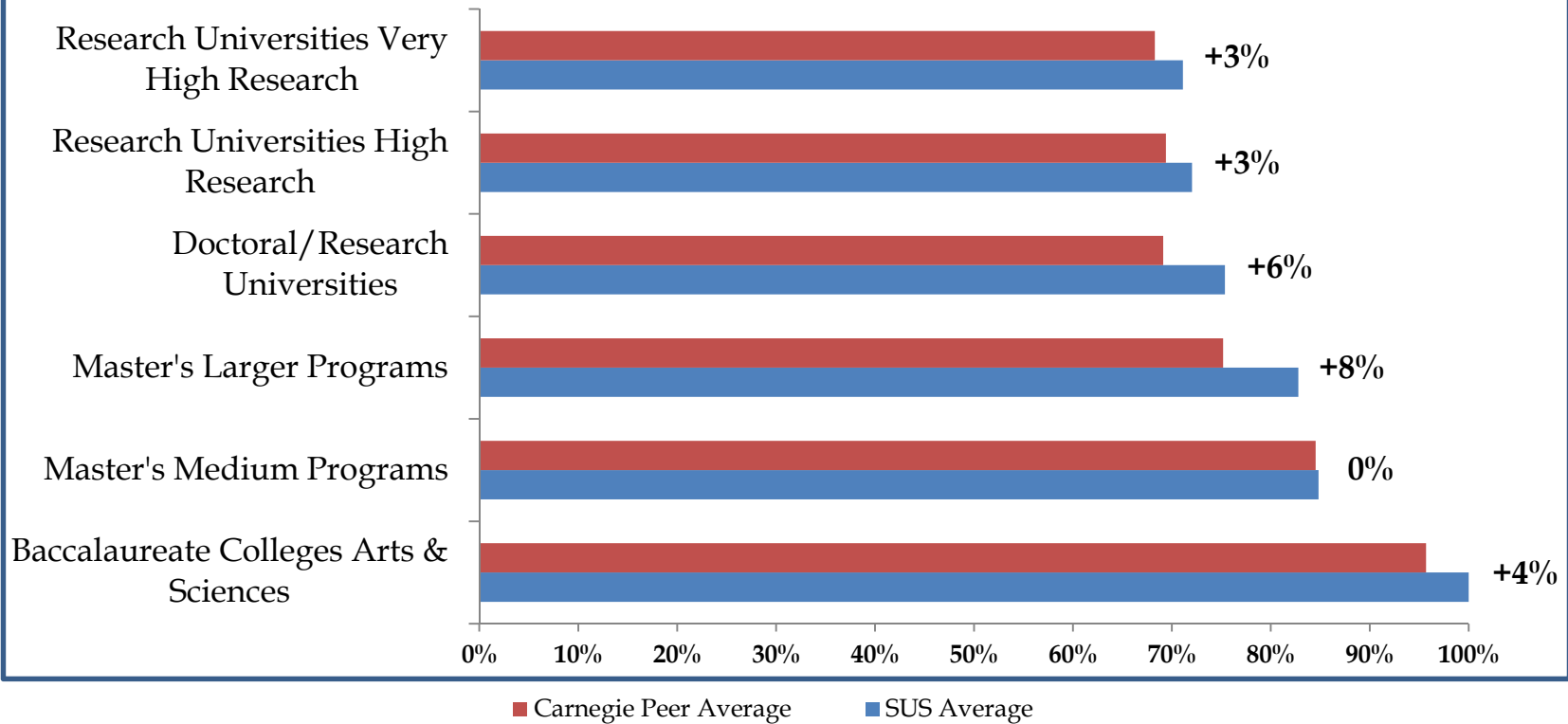


Shifting an Institution's Mix



Shifting the Mix: A National Comparison

Comparison of Baccalaureate Degree Completions as a Proportion of the Total Between SUS and Carnegie Peer Institutions



Source: National Center for Educational Statistics. (2014) Integrated Postsecondary Education Data System. Degree Completions by Carnegie Class and Degree Level



High Demand Graduate-level Occupations

Occupation Clusters	Examples	Annual Openings
Health Care Related	Physical Therapists Occupational Therapists Veterinarians Surgeons Pharmacists	4,041
Postsecondary Teachers	Art, Drama, and Music Teachers English Language and Literature Teachers Mathematical Science Teachers Engineering Teachers	1,332
Other Occupations	(Lawyers) * Architects Counselors	2,392

Source: Department of Economic Opportunity.

*NOTE: Demand for lawyers may reflect market churn; 70% of Florida J.D.s are produced by private institutions.



Demand for Graduate and Professional Program Completers

79 occupations based upon Standard Occupational Code criteria:

- Predominately occupations that require some level of state licensing
- 27 Healthcare occupations (physician, allied healthcare, and faculty)
- 13 STEM occupations (primarily postsecondary faculty)
- 11 Counseling occupations (primarily psychology and social work)

Four occupations with the highest total projected openings by rank order:

- 1) **Lawyers***
- 2) Physicians (all specialties) (require residency education beyond M.D.)
- 3) Pharmacists
- 4) Physical Therapists

Four fastest growing occupations by rank order:

- 1) Nurse Practitioners
- 2) Physical Therapists
- 3) Medical and Public Health Social Workers
- 4) Occupational Therapists

*Data may reflect labor market “churn.” Private institutions in Florida produce the most J.D.s.



Next Steps: Target Areas for Growth

- **Conduct a Systematic Program Review**
 - In-house staff work
 - Use expertise of CAVP Academic Coordination Project Work Group
- **Work with DEO to review data on Licensed Professions**
- **Use the work of the Health Initiatives Committee**
 - Environmental Scan (2014)
 - Development of a Strategic Plan for Health (2015)
- **Meet with the SUS Vice Presidents for Research** to identify possible system-wide areas of growth in graduate programs
- **Work with budget and finance staff** to calculate whether additional investments or adjustments might be required to ramp up graduate degree production



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