



Florida Gulf Coast University – School of Integrated Watershed and Coastal Studies (Academic Building 9) \$44.7 M





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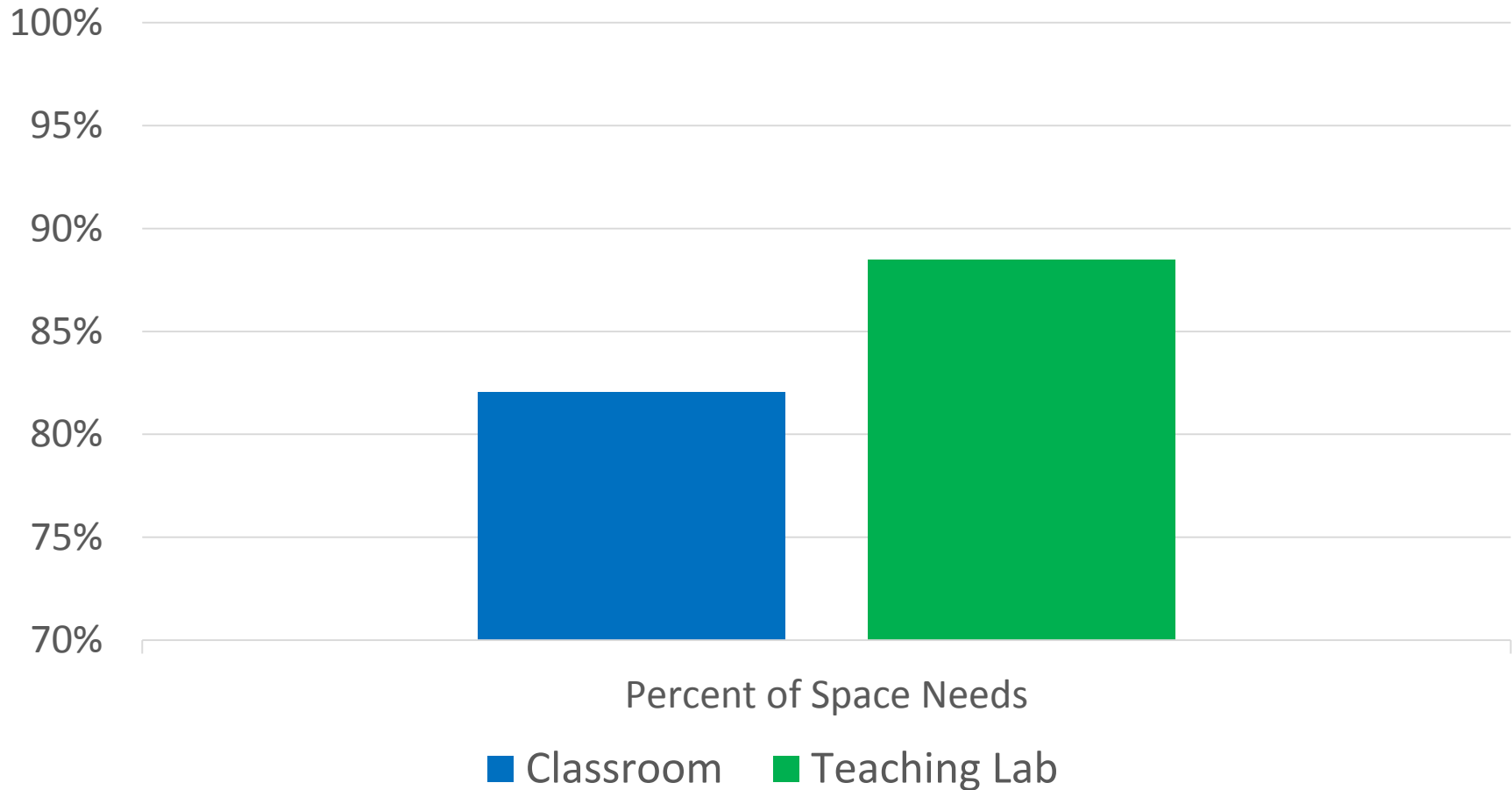
DEMAND METRICS

- 116,505 gross/77,670 net square feet
- Reduce FGCU current deficit of STEM labs and classroom space
- Promote STEM, critical emphasis area enrollments, and degree production
- Maintain ABET accreditation in engineering
- Obtain ACS accreditation in chemistry
- Anticipated construction start date: September 2017
- Estimated completion date: January 2018



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Florida Gulf Coast University Current Form B Need





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ROI

- ✓ The STEM building is essential because it will house “bench” courses and research in the lab sciences which demand hands-on components for learning and scholarly attainment
- ✓ Over the last several years, we have increased our percentage of baccalaureate degrees in programs of strategic emphasis from 31% to 44% as compared to all baccalaureate degrees to provide an educated workforce that drives economic development
- ✓ A new co-op education/internship office will create stronger connections between the world of work and our STEM disciplines, while equipping students with the general and technical skills in greatest demand by corporate and business leaders
- ✓ Academic Building 9 is integral to FGCU maintaining **its high** ranking in the state for employment and/or continuing education of our graduates
- ✓ 200/year **STEM** degree production **within 3 years of building occupancy**
- ✓ Job Creation – 253 Permanent jobs



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REQUEST

Total project budget:	<u>\$44.7 M</u>
Appropriated 2013-14	0 M
Appropriated 2014-15	0 M
Appropriated 2015-16	0 M
Request for 2016-17	3.8 M
Request for 2017-18	36.3 M
Request for 2018-19	4.5 M

Plant Operations and Maintenance (Annual Estimate): \$1.5 M





Florida Gulf Coast University – Central Energy Plant Expansion Phase 3 \$9 M





Florida Gulf Coast University – Central Energy Plant Expansion Phase 3 \$9 M

DEMAND METRICS

- Existing plant is currently at capacity for off-peak energy load shed. Expansion will allow for School for Integrated Watershed and Coastal Studies (Academic Building 9) and potential additional buildings
- New dual-function chiller - chilled water (2,000 tons) / ice making (1,100 tons)
- Increase ice storage capacity by 21 tanks (4,200 ton-hours)
- Install chilled water lines from existing plant to School for Integrated Watershed and Coastal Studies (Academic Building 9) site. Est. cost \$1.7 M
- Anticipated construction start date: June 2016
- Estimated completion date: March 2017



Florida Gulf Coast University – Central Energy Plant Expansion Phase 3 \$9 M

ROI

- ✓ Reduce energy cost with expanded central energy plant **chilled water system**
- ✓ Save \$ 170,000/year energy costs: off-peak energy usage rates with **thermal storage ice system**
- ✓ Support School for Integrated Watershed and Coastal Studies (Academic Building 9)
- ✓ Efficient and sustainable design



Florida Gulf Coast University – Central Energy Plant Expansion Phase 3 \$9 M

REQUEST

Total project budget:	<u>\$9 M</u>
Appropriated 2012-13	0 M
Appropriated 2013-14	0 M
Appropriated 2014-15	0 M
Appropriated 2015-16	0 M
Request for 2016-17	9 M

Plant Operations and Maintenance (Annual Estimate): 0.6 M