

UCONN
2000

43 REPORT



UCONN
UNIVERSITY OF CONNECTICUT



Thanks in good measure to UConn 2000, the University continues to attract scores of the state and nation's best and brightest students to Connecticut, most of whom live and work in the Nutmeg State after commencement.

UCONN 2000

REBUILDING, RENEWING AND ENHANCING THE UNIVERSITY OF CONNECTICUT

December 2016

The Forty Third
in a series of reports to

Governor Dannel P. Malloy
and the
Connecticut General Assembly

UNIVERSITY OF CONNECTICUT

UCONN 2000: THE UPDATE

This is the forty-third in a series of semi-annual reports to the Governor and the General Assembly pursuant to the provisions of Sections 10a-109 through 10a-109y of the Connecticut General Statutes, originally An Act to Enhance the Infrastructure of the University of Connecticut, now known as UCONN 2000. These reports have been issued biannually since passage of UCONN 2000 on June 7, 1995. The law also requires a four-year progress report, which was filed on January 15, 1999, as well as two five-year performance reviews which were submitted January 15, 2006 and January 15, 2011.

UCONN 2000: PROGRAM IMPROVEMENT

During this reporting period, the requirements concerning UCONN 2000 contained in Public Act 06-134 continue to be implemented. The Construction Management Oversight Committee (CMOC) established by statute has been unable to meet due to the lack of a quorum. Pursuant to the recommendation of the CMOC, the University Board of Trustees has assumed the responsibilities of the CMOC, acting through its Buildings, Grounds & Environment (BGE) Committee. BGE meets on a regular basis to review reports from the Office of Construction Assurance, who monitors University project management, procurement policies and procedures and is headed by a full-time Construction Assurance Officer, who reports directly to the Board of Trustees and the President. BGE also reviews the status of major projects and remaining code correction programs.

Pursuant to Chapter 185b, Section 10a-109z of the Connecticut General Statutes (the Statute), the Board of Trustees for the University of Connecticut appointed the independent accounting firm of Marcum LLP, formerly UHY LLP, to perform audits of the UCONN 2000 expenditures for the fiscal years 2005 through 2010. Marcum issued an unqualified or clean audit opinion for each year of the engagement and in connection with the audits of UCONN 2000 expenditures, no material weaknesses or significant deficiencies in internal control were reported to management.

Pursuant to the Statute, the Board of Trustees appointed the independent accounting firm of RSM US LLP, formerly McGladrey LLP, to perform audits of UCONN 2000 project expenditures for the fiscal years 2011 through 2015. RSM issued clean audit opinions for each year of the engagement. In connection with the audits of UCONN 2000 expenditures for the 2011 and 2012 fiscal years, no material weaknesses or significant deficiencies in internal control were reported to management. In connection with the audit of UCONN 2000 expenditures for the 2013 fiscal year, RSM identified a deficiency in internal control that they determined constituted a significant deficiency related to the application of certain markups on change orders and base contracts. University management has taken steps to enhance the effectiveness of internal control to ensure that markup calculations are accurate and in accordance with contract terms. No material weaknesses or significant deficiencies in internal control were reported to management in connection with the audit of UCONN 2000 expenditures for the 2014 and 2015 fiscal years.

Pursuant to the Statute, the Board of Trustees appointed the independent accounting firm of Cohn Reznick LLP to perform audits of UCONN 2000 project expenditures for the fiscal years 2016 through 2018 with an option to extend the appointment through fiscal year 2020. The audit of UCONN 2000 expenditures for the 2016 fiscal year is underway.

The University employs building and life safety inspectors who review and sign off on all University construction plans and conduct field inspections to ensure that construction work meets all state building and life safety codes. The University inspectors work closely and effectively with the State Building Inspectors to ensure projects are code compliant.

RECENT CAPITAL FUNDING HISTORY: UNPARALLELED STATE COMMITMENT

In 2011, the State of Connecticut made strategic investments in the University of Connecticut and the University of Connecticut Health Center (UConn Health) firmly planting the seeds for Connecticut to be at the forefront of the growing bioscience industry. The investments were made with the promise that they would leverage other bioscience initiatives.

In May 2011, Governor Dannel P. Malloy introduced and less than one month later, the General Assembly approved the Bioscience Connecticut Initiative (Public Act 11-75), a bold \$864 million plan to reinvigorate all three areas of the UConn Health mission – research, education and clinical care. These investments would use the UConn Health campus as a cornerstone for reinventing Connecticut’s economy by generating long term sustainable economic growth based on bioscience research, innovation, entrepreneurship and commercialization. Of note, the project also calls for short-term economic activity through a surge of construction-related jobs attributable to the expansion and renovation of the UConn Health clinical, education and research infrastructure.

Bioscience Connecticut is a multifaceted plan that will strengthen our state's position as a national and global center for bioscience innovation and improve access to quality health care for Connecticut citizens, while simultaneously securing UConn Health’s future as a top tier academic medical center.

Construction components of Bioscience Connecticut on the UConn Health campus include:

- Renovating and modernizing, for the first time in its history, UConn Health’s original research facilities on the Farmington campus. This includes expanding space for start-up bioscience businesses at the Cell and Genome Sciences Building.
- Constructing a new hospital tower.
- Renovating portions of the John Dempsey Hospital and the Clinic Building. Constructing, with private financing, a new UConn Health Outpatient Pavilion on the lower campus.
- Construction of an addition to the Academic Building to support an increase in Medical and Dental School class sizes.

Programmatic components of Bioscience Connecticut include:

- Recruiting new faculty, including clinicians and basic scientists to increase healthcare access and federal and industry research awards.
- Doubling existing business incubator space to support commercialization and start-up companies.
- Expanding the School of Medicine and School of Dental Medicine class sizes by 30 percent.

- Implementing a loan forgiveness program for UConn Medical and Dental School graduates who pursue careers in primary care in Connecticut.
- Sponsoring a Health Disparities Institute to enhance research and the delivery of care to the minority and medically underserved populations of the state.
- Partnering with local hospitals and health care organizations to address pressing health care needs.

Also, in 2011, legislation was enacted, which was subsequently amended in 2014, with the support of the Executive Branch and the General Assembly that provided \$169.5 million in funding to create a Technology Park on the Storrs campus. The new Tech Park, like Bioscience Connecticut, will be a critical component of Connecticut’s plan to stimulate long-term economic growth by supporting innovation, new technologies and the creation of new companies and high-paying, sustainable jobs. Twenty-first century tech park models emphasize invention, incubation and entrepreneurship. UConn’s Tech Park will hit the mark by promoting academic and industrial partnerships and by providing the physical and intellectual capacity to foster discovery.

In October 2011, just months after the passage of the capital investment at the University, the General Assembly adopted in special session, Public Act 11-2 establishing the Connecticut Bioscience Collaboration Program (the “Collaboration”) supporting the establishment of a Bioscience cluster anchored by the world renowned Jackson Laboratory. The Jackson Laboratory Center for Genomic Medicine research building, located on UConn Health’s campus in Farmington, opened in October 2014.

The groundbreaking for the first Bioscience Connecticut project took place on June 11, 2012. Four and a half years later the UConn Health campus has been transformed by the completion of several of the key construction projects including the Main Building Research Lab Renovation: Project 1, Research Incubator Lab Addition, Outpatient Pavilion, the hospital bed tower known as the University Tower, three new parking garages, and many roadway improvements both on and off campus.

In July 2013, the General Assembly adopted Public Act 13-233 establishing Next Generation Connecticut for the purposes of construction, renovations, infrastructure and equipment related to the development of preeminence in the University of Connecticut's research and innovation programs. Pending annual appropriations, the Next Generation Connecticut initiative will also allow the University to (1) hire and support outstanding faculty, (2) train and educate more science, technology and engineering (STEM) graduates to meet the future workforce needs of Connecticut, and (3) initiate collaborative partnerships that lead to scientific and technological breakthroughs.

UCONN 2000: STATUS REPORT

MASTER PLANNING, DESIGN AND MANAGEMENT

The University’s Master Plan provides a template for the development of the University’s physical plant and infrastructure. The 1998 Storrs Campus Master Plan was updated in 2006 to reflect the extensive physical changes on all the campuses resulting from the UCONN 2000

initiatives. It should be noted that the Master Plan has been modified throughout the project planning, design and construction process of UCONN 2000. As part of the Technology Park initiative, an update to the North Campus Master Plan was prepared to delineate various site, vehicular and pedestrian pathways, utility corridors, and landscape improvements to facilitate the future development of that part of campus. This work is incorporated in the comprehensive 2015 Master Plan for the campus.

The 2015 Master Plan reflects the impacts of the proposed projects included in the Next Generation Connecticut initiative and guides the development of the Storrs campus for the twenty (20) year period between 2015 and 2035. The 2015 Master Plan documents the state of existing conditions on campus and issues related to land use; space needs for academic, research, student life and administrative uses; recommended deferred maintenance and capital investments in the physical plant; environmental issues and sustainable design principles for future development; parking, circulation and transportation issues; and specific strategies to improve landscape quality and open spaces. The Master Plan references the programmatic ties to the Regional campuses, but does not include separate master plans for those locations.

The 2015 Master Plan is a comprehensive summary of the current conditions of the campus as of 2015 and a guideline for the proposed development of the Storrs campus over the next 20 years. The first ten years of development (2015-2024) are driven by the recently adopted Academic Vision Plan and fueled by the Next Generation Connecticut funding program. The plan also forecasts development that may occur beyond the Next Generation Connecticut projects (2025-2035). This potential future development will require new funding sources and builds on the success of the first decade of growth. The total amount of development portrayed in the plan includes facilities that would be needed to grow the undergraduate student population by 5,000, accommodate a substantially larger research enterprise, repair or replace obsolete facilities and meet the commitments of the Climate Action Plan for a sustainable campus.

Implementation of the Master Plan

Future planned development will be programmed and designed to conform to the concepts and the development pattern contained in the Master Plan documents. The Master Plan will inform the design and implementation of the utility infrastructure, storm water management systems, roads and parking areas, landscape and land use, and individual projects. The urban form of the campus will take shape as envisioned in the Master Plan and will be refined by future design initiatives as specific developments are designed and built. The Master Plan will inform and guide future development decisions, but the final location, design, and programming of specific projects will be decided when those projects are implemented. Individual construction projects undertaken as part of this plan will, as always, be brought to the Board of Trustees for approval, along with the project budgets.

The final version of the Master Plan and its Executive Summary, Design Guidelines and Appendices, dated May 2015, were issued and are posted on the UConn website at <http://masterplan.uconn.edu/documents/>.

BIOSCIENCE CONNECTICUT

The groundbreaking for the first Bioscience Connecticut project took place on June 11, 2012. Four and a half years later the UConn Health campus has been transformed by the completion of

several of the key construction projects including the Main Building Research Lab Renovation: Project 1, Research Incubator Lab Addition, Outpatient Pavilion, the hospital bed tower known as the University Tower, three new parking garages, and many roadway improvements both on and off campus. Through the end of June 2016 over 5,522 construction workers have been employed on the Bioscience Connecticut projects and 83% of the construction contracts have been awarded to Connecticut companies. The Minority/Women/Disadvantaged Business participation is projected to achieve over 22.85%, exceeding the statutory minimum of 6.25% by more than 16%.

Several projects continue in construction and they are expected to complete on schedule, including the Main Building Research Lab Renovations, Project 2, the Academic Building Addition and Renovations, and the Clinic (“C”) Building Renovations.

The Bioscience Connecticut initiative requires \$69 million in funding from operations, special eligible gifts or other sources toward new construction and renovation projects. UConn Health and the University of Connecticut Foundation continue their efforts to identify funding opportunities. Certain project elements are deferred until such time that funding is available.

NEXT GENERATION CONNECTICUT REPORTING

As part of Next Generation Connecticut, the University shall report not later than January 1, 2016, and annually thereafter, in accordance with the provisions of section 11-4a, to the joint standing committees of the General Assembly having cognizance of matters relating to finance, revenue and bonding, commerce and higher education on its progress toward achieving the goals set forth in the plan developed pursuant to the act. The report shall include a summary of the research and economic development activities of the University.

The Next Generation Connecticut (NextGenCT) initiative represents one of the most ambitious State investments in economic development, higher education and research in the nation. The investments in NextGenCT will continue the transformation of the University of Connecticut from a Top 20 public research institution into the upper echelons of America’s great research universities. This continued pursuit of academic excellence will fuel Connecticut’s economy with new technologies, highly-skilled graduates, marketable patents and licenses, and the creation of new companies and high-wage jobs. The components of this ambitious ten-year plan include:

- Hiring new research and teaching faculty;
- Increasing enrollment of undergraduate students at the Storrs and Stamford campuses;
- Building research facilities to house materials science, physics, biology, engineering, cognitive science, genomics and related disciplines;
- Constructing new teaching laboratories;
- Creating a premier STEM Honors program to attract increasing numbers of high achieving undergraduates;
- Upgrading aging infrastructure to accommodate new faculty and students;
- Expanding degree programs and providing student housing in Stamford;
- Relocating the Greater Hartford Campus to downtown Hartford; and
- Better integrating the research activities of the Storrs and regional campuses with the UConn Health campus.

NextGenCT is comprised of both capital and operating budget components. The University gratefully acknowledges this funding and hopes that sustained support will be received to allow the University to continue to move forward with this transformative program. Since capital funding was first made available in July 2015, the University has moved forward aggressively with NextGenCT projects. A Campus Master Plan, which is a summary of the current conditions of the campus as of 2015 and a guideline for the proposed development of the Storrs campus over the next 20 years, was approved by the Board of Trustees on February 25, 2015. Major projects currently underway include the Engineering and Science Building in Storrs and the new downtown Hartford Campus. A new Next Generation Residence Hall was completed for the Fall of 2016. Additionally, planning and design has begun on another science building, and the renovation of the Gant Building, a *circa* 1960 science and math facility has also begun. Full details on these capital projects and others are included in the UCONN 2000 section of this report.

Given the State’s fiscal challenges, the amount of operating funds appropriated from the State in FY15, FY16 and FY17 has understandably been significantly reduced relative to what was originally planned. It must be noted that this reduction in operating funds, and most particularly a reduction in the capacity to hire new faculty, will create significant challenges for the University in meeting the goals of NextGenCT. In particular, growing STEM faculty is the first step in growing the discovery, innovation, technology commercialization, and new company/job creation pipeline that is a critical element of UConn’s role in CT economic development.

The following represents the specific information, per section 3 of the act, which the University is required to report:

Student applications, student enrollment and degrees awarded at the bachelor’s, master’s and doctoral levels:

	FY 2013 (Base)	FY 2014	FY 2015	FY 2016	FY 2017	% Change
Undergraduate Freshmen Applications						
STEM: Storrs	14,916	13,857	15,539	17,540	19,264	29%
Non-STEM : Storrs	15,050	13,622	15,741	17,438	16,716	11%
Subtotal: Storrs	29,966	27,479	31,280	34,978	35,980	20%
Regionals	1,397	1,610	912	1,022	1,083	(22%)
Total	31,363	29,089	32,192	36,000	37,063	18%
Master’s Applications						
STEM	2,175	2,461	2,854	3,703	4,449	105%
Non-STEM	3,126	2,937	3,018	3,136	3,192	2%
Total	5,301	5,398	5,872	6,839	7,641	44%
Doctoral Applications						
STEM	2,856	2,548	2,407	2,224	2,145	(25%)
Non-STEM	1,516	1,543	1,567	1,613	1,613	6%
Total	4,372	4,091	3,974	3,837	3,758	(14%)
Undergraduate Enrollment						
STEM: Storrs	7,995	8,646	9,376	9,760	10,303	29%
Non-STEM: Storrs	9,533	9,386	9,019	9,066	9,021	(5%)
STEM: Regionals	1,142	1,246	1,278	1,403	2,911	155%

Non-STEM: Regionals	3,631	3,317	3,300	3,178	1,395	(62%)
Total	22,301	22,595	22,973	23,407	23,630	6%
	FY 2013 (Base)	FY 2014	FY 2015	FY 2016	FY 2017	% Change
Graduate Enrollment						
Master's STEM	775	862	880	876	837	8%
Master's Non-STEM	2,593	2,536	2,662	2,830	3,107	20%
Subtotal Master's	3,368	3,398	3,542	3,706	3,944	17%
Doctoral STEM	1,428	1,500	1,524	1,477	1,481	4%
Doctoral Non-STEM	1,023	1,041	1,051	1,024	1,009	(1%)
Subtotal Doctoral	2,451	2,541	2,575	2,501	2,490	2%
Other Graduate	794	616	713	738	705	(11%)
Total	6,613	6,555	6,830	6,945	7,139	8%
Bachelor's Degrees						
STEM	2,387	2,537	2,634	2,672		12%
Non-STEM	2,735	2,663	2,686	2,525		(8%)
Total	5,122	5,200	5,320	5,197		1%
Master's Degrees						
STEM	391	415	453	443		13%
Non-STEM	1,136	1,221	1,260	1,307		15%
Total	1,527	1,636	1,713	1,750		15%
Doctoral Degrees						
STEM	201	214	234	232		15%
Non-STEM	139	128	138	147		6%
Total	340	342	372	379		11%

In summary, the University has experienced significant growth in applications, enrollment and degrees awarded. Although the number of high school graduates has decreased in the State and region, UConn is drawing an even larger component of that shrinking pie – without compromising on its high academic standards and admission requirements. The University's ability to offer an outstanding education and student experience at an affordable price for families continues to attract many of the very best students to UConn from across Connecticut, the nation and the world, and makes UConn graduates the foundational workforce for Connecticut's high technology economy. The fall 2016 freshmen class is the largest new class we have ever enrolled, and their high academic quality and diversity are great examples of how state investments in UConn are paying off. The University is proud to keep great students in Connecticut, and to attract new students to our state every year. A record number of this year's freshmen have been accepted into UConn's competitive Honors Program, and more than one-third of the members of the Class of 2020 are from minority groups, making it one of the most ethnically diverse group of students to join the University. Over the past 20 years, the average SAT score of incoming freshmen has jumped from 1028 in 1995 to this year's average of 1233, and the number of valedictorians and salutatorians in the freshman class has increased from 40 in 1995 to 157 in 2016. The University has improved freshmen retention and minority freshmen retention over this same time period as well. The freshmen retention rate of 92% ranks 15th nationally among our public research peer universities. Following that positive trend are the University's 4-year and 6-year undergraduate graduation rates. Since 1995, the 4-year rate has risen from 43% to 73% and the 6-year rate has risen from 70% to 82%. The average time to graduate for UConn students is at a remarkably low 4.2 years, which helps to keep parent/student

educational costs down. In addition, the University has made significant progress towards improving the following NextGenCT goals:

- Storrs Engineering Undergraduate Enrollment increased from 1,978 in FY13 to 3,044 in FY17
- Storrs STEM Undergraduate Enrollment increased from 7,995 in FY13 to 10,303 in FY17
- Storrs Undergraduate Enrollment increased from 17,528 in FY13 to 19,324 in FY17
- Undergraduate STEM Degrees Awarded increased from 2,387 in FY13 to 2,672 in FY16

Research proposals, research awards and research expenditures (Storrs and Regional campuses – not including the UConn Health campus):

	FY 2013 (Base)	FY 2014	FY 2015	FY 2016	% Change
Research Proposals (\$M)					
STEM	\$461	\$548	\$639	\$630	37%
Non-STEM	50	68	56	59	18%
Total	\$511	\$616	\$695	\$689	35%
Research Awards (\$M)					
STEM	\$64	\$72	\$107	\$142	122%
Non-STEM	15	12	14	5	(67%)
Total	\$79	\$84	\$121	\$147	86%
Average Award Size					
STEM	\$207,617	\$224,804	\$277,072	\$399,661	92%
Non-STEM	\$317,876	\$172,164	\$188,510	\$114,061	(64%)
Total	\$222,525	\$215,602	\$263,119	\$365,644	64%
Research Expenditures (\$M)					
STEM	\$84	\$83	\$83	\$91	8%
Non-STEM	15	16	13	12	(20%)
Total	\$99	\$99	\$96	\$103	4%

The following research grants represent just a very few of the many significant new research awards made to the University for the period of FY13 through FY16:

- Dr. Michael Lynch, John Templeton Foundation, “The Intellectually Humble Society,” \$5.8 million
- Dr. Frederick Gibbons, National Institutes of Health, “Health Behaviors among Young Black Adults: Risk and Resilience,” \$2.8 million
- Dr. Debra Kendall, National Institutes of Health, “CB1 Allosteric Modulators: Molecular, Cellular and In Vivo Pharmacology,” \$2.5 million
- Dr. Cato Laurencin, National Institutes of Health, “Regenerative Engineering of Complex Musculoskeletal Tissues and Joints,” \$1.2 million
- Dr. James Rusling, National Institutes of Health, “Protein Biomarker Arrays for Personalized Treatment for Prostate Cancer,” \$1.4 million

- Dr. Eric Jackson, CT Department of Transportation, “Expanding the Role of Connecticut Transportation Safety Research Center to Enhance Connecticut’s Safety Analysis Methods and Systems,” \$10.0 million
- Dr. Jennifer Harris, Robert Wood Johnson Foundation, “Encouraging Industry and Government Action to Reduce Marketing of Unhealthy Foods to Children,” \$1.3 million

In an effort to expand UConn’s research capacities and competitiveness, the University is providing research faculty with grant proposal development support, seed funding, and state-of-the-art equipment and laboratory infrastructure in support of grant submissions for the following key programs that align with NextGenCT including:

- National Network of Manufacturing Innovation
- Manufacturing Partnership Community
- NIH P30 Centers
- National Science Foundation Engineering Research Center
- National Science Foundation Materials Research Center
- National Science Foundation Science & Technology Center
- Department of Energy-Energy Frontiers Research Center
- Department of Energy ARPA-E
- Department of Defense MURI
- NIH Big Brain Initiative
- Related programs at federal agencies
- Industry programs

In summary, the University has funded 155 NextGenCT new faculty hires from FY14 through FY16 with 85 of those hires in the STEM fields. These faculty have contributed to the increase in the amount of research proposals and research awards. The positive impact on research expenditures and business activity will be seen over the next few years as the growing number of proposals and research awards translate into expenditures and business activity. Importantly, the University has made significant progress towards improving the following metrics:

- Research Awards increased from \$79M in FY13 to \$147M in FY16
- Average Award Size per faculty increased from \$223K in FY13 to \$366K in FY16

However, the number of new faculty will be significantly lower than planned because of the cuts in State operating support since FY15. These cuts have also restricted our ability to replace retiring faculty, which can result in net loss of faculty despite the new hiring through NextGenCT. Due to the reduction in NextGenCT funding that has occurred, our original goals of hiring faculty to train the next generation of students, conduct transformational research, create new companies based on intellectual property from this research, and to drive job creation in CT may be significantly reduced. Progress toward NextGenCT goals could be further eroded if originally planned funding is not restored and if out-year funding is not appropriated at requested levels.

Industry partnerships including joint projects, consortium projects and technology incubator support:

The full economic return from NextGenCT will not only be measured by the University's continued increases in research and talent generation, but by its broader engagement and partnerships with industry. One of the key objectives set out in the legislation for NextGenCT is to initiate collaborative partnerships with industry that lead to scientific and technological breakthroughs. With this focus on advancing industry partnerships in mind, the University has set out to have an explicit strategic roadmap to establish a comprehensive and leading program for strategic industry partnerships. This strategic roadmap focuses on the development of world-class strengths in areas of expertise that match the needs of Connecticut's industry growth opportunities.

Thus far, the University has developed and announced partnerships with several key industries as we develop the Innovation Partnership Building at the UConn Technology Park:

- \$25M FEI Center for Advanced Microscopy and Materials Analysis
- \$9M Eversource Energy Center
- \$7.5M GE Advanced Technology Initiative
- \$10M UTC Institute for Advanced Systems Engineering
- \$7.5M Pratt & Whitney Additive Manufacturing & Innovation Center
- \$7.5M Flexible Hybrid Electronics Manufacturing Innovation Institute
- \$6M Comcast Center for Security Innovation
- \$2M EDAX-Partnership for Advanced Cameras & Detectors

In addition to these innovative efforts associated with the UConn Technology Park, there are a variety of partnerships with global life sciences companies in various stages of development and implementation that have an estimated value of \$5 million. These relationships include three unique multi-year partnerships underway with New Haven-based Alexion Pharmaceuticals involving faculty from Storrs and UConn Health. Other key life sciences partnerships include the following companies:

- Arthrex Inc., Impact Assets, Incyte Corporation, Biogen Idec MA Inc., Procter and Gamble, Novartis Pharmaceuticals Corp.; GlaxoSmithKline; Merck Sharp & Dohme I. A. Corp., Colgate Oral Pharmaceuticals; Bayer Pharmaceuticals; Regeneron Pharmaceuticals; 3M; and Pfizer Inc.

Corporate partnerships and sponsorships are also key to the exploration of new digital methodologies and the development of new digital practices. UConn's Digital Media Center has many relationships with industry leaders including Cigna, Diversified Media Group, UTC Aerospace System and BBDO, allowing the Center to identify and tackle new challenges that further its research goals.

There are many other new business and entrepreneurial initiatives intended to encourage and foster a vigorous entrepreneurial culture at UConn and increase the success potential of commercially viable companies formed from its innovations, entrepreneurial, and proof-of-concept competitions. These activities are designed to: 1) Maximize entrepreneurial education and incentivize the creation of cross-disciplinary innovation teams; 2) Aid the teams in identifying and addressing key business issues through mentorship and real-world problem

solving activities; and 3) Provide mechanisms to deploy and allocate resources to the best commercialization opportunities that can attract future public or private fundraising.

- A partnership funded by Connecticut Innovations for \$10M with Yale for the Program in Innovative Therapeutics for CT's Health (PITCH) is in place and providing support to projects designed to provide a streamlined translational pathway for researchers to convert their discoveries into new therapeutics for the treatment of human diseases.
- A new \$750K UConn Innovation Fund was created in partnership with Connecticut Innovations and Webster Bank to invest in UConn affiliated new company startups.
- A new joint fund focused on rare disease research was established and reflects the growing partnership between UConn and Alexion Pharmaceuticals, a global leader in the biopharmaceutical industry. Scheduled to launch in early 2017, the UConn-Alexion Rare Disease Innovation Fund builds on the success of existing sponsored research agreements between Alexion and Dr. David Goldhamer from the Department of Molecular & Cell Biology and Dr. George Wu from the Department of Gastroenterology & Hepatology at UConn Health.
- The Office of the Vice President for Research Technology Commercialization Services (TCS): TCS is the University's technology transfer and innovation enterprise and has successfully launched over 50 companies. In addition to new company startup creation, TCS also markets commercially viable patents through license agreements with appropriate industry partners. TCS works closely with internal and external stakeholders and maintains a close relationship with UConn's other entrepreneurship programs. An expanded TCS effort was initiated this year with the hiring of an Executive Director of Venture Development to provide leadership and expertise for faculty startup efforts, an expert in attracting venture investments into these new companies, as well as serving as a thought leader and voice for innovation and entrepreneurship on campus and beyond.
- The SPARK Technology Commercialization Fund continues to provide support for faculty at Storrs and UConn Health to conduct prototype and proof of concept (idea to commercial product) work necessary to establish a startup or attract commercial partners
- The Connecticut Center for Entrepreneurship and Innovation (CCEI) serves as a hub for entrepreneurship at the University and facilitates student and faculty participation in entrepreneurial activities.
- Accelerate UConn is UConn's National Science Foundation Innovation Corps (I-Corps) Site. Its mission, with \$300,000 in funding from the NSF, is to catalyze the transition of new scientific discoveries and capabilities from the lab to the marketplace. Participating teams receive an introduction to the most critical elements of the I-Corps Curriculum and Lean Launchpad methodology as well as small seed grants for customer discovery activities. Teams learn how to determine the market opportunity for their product or technology. The NSF renewed funding for Accelerate UConn based on successes during the program's first year.
- Intellectual Property and Entrepreneurship Law Clinic (IP Law Clinic): The IP Law Clinic at the UConn School of Law was established through a collaborative effort of Technology Commercialization Services in the Office of the Vice President for Research and the School of Business to help potential companies with analysis of the IP landscape. The IP Law Clinic provides law students with the opportunity to

- counsel Connecticut's innovators in an extensive range of intellectual property (patent, trademark, copyright and trade secret) and related business law issues.
- Innovation Quest (iQ): The iQ program is a component of entrepreneurial training at UConn. It was established through a collaborative effort of Technology Commercialization Services within the Office of the Vice President for Research and CCEI but is funded, supported, and driven by UConn alumni.
 - The University joined Yale, Quinnipiac University and Connecticut Innovations to establish the Bioscience Pipeline Program to support commercializing biomedical technology innovation (medical devices diagnostics and health information technology) development at early stages with \$30K grants that help prepare projects to be competitive under the State Bioscience Innovation Fund.
 - The Third Bridge Grant provides seed funding to Engineering with promising technologies developed independently and within UConn labs. The goal of The Third Bridge is to mentor and aid these students as they advance their technologies toward commercialization.
 - Senior Design Projects: More than 100 industry-sponsored projects per year (spanning 1 to 2 semester courses) designed for senior engineering students to solve real-world engineering problems with the guidance of faculty mentors
 - Industry Liaison Activities: In order to advance innovation through collaborative research, UConn employs industry liaisons whose mission includes outreach to scientists and engineers from industry. These individuals establish partnerships with industry at many levels; from student internships and senior design projects, to the formation of large, industry- or federally-sponsored research projects and collaborations. In addition, the Industry Liaisons work with Chambers of Commerce, Trade Associations, supply chains and OEMs to broaden awareness of UConn's research capabilities, and leverage State programs (e.g. Connecticut Innovation, DECD etc. as described below) to establish and to strengthen partnerships between UConn faculty and industry partners. There are also many individuals embedded within schools, colleges, centers and institutes who facilitate interactions with industry.
 - Student Internships through UConn's Center for Career Services and many departments.
 - Industry sponsorship of undergraduate and graduate research students through research grants.
 - Institute of Materials Science (IMS) Industrial Affiliates Program: Since 1974, the program has provided companies with access to UConn resources that can assist industry with materials-related research, development and production projects - administered through IMS.

The University Technology Incubation Program (TIP), which offers incubator facilities at three locations across the State: Storrs, Farmington, and Avery Point, is able to offer technically-based start-up companies access to a unique range of unparalleled resources including:

- Incubator facilities featuring wet labs and access to instrumentation
- Collaboration with scientific experts
- Technically trained student interns, employees and graduates
- The University's world-class library resources
- Customized business educational events, planning assistance and mentoring

- Incubator Facilities and Services
- Access to venture funding

The following table reflects positive growth in the TIP:

	FY 2013 (Base)	FY 2014	FY 2015	FY 2016
Companies in Program*	29	26	20	26
Capital Raised (\$M)	\$29.1	\$8.6	\$41.9	\$19.1
Revenue (\$M)	\$4.5	\$5.8	\$1.6	\$1.2
Taxes Paid	Didn't collect	\$408,208	\$394,057	\$350,117
Full-Time Jobs	84	66	61	66
Part-Time Jobs	33	49	38	38
Company Patents Filed	37	60	62	38
Company Patents Granted	22	27	19	12
Company Patents in Process	19	50	40	57

*Note that the number of companies in TIP varies based on available space and square footage needs of the incubator companies. Our leasing practices allow these start-up companies to increase and decrease space as needed. While the number of companies in the programs may represent fewer firms since FY13, the total space leased out remains constant and represents the needs of the current population. Additionally, fluctuations occur as some companies graduate and others enter the program. While the current space is 76% occupied, the overall number of companies is expected to grow in the coming years due to the opening of the new facility at UConn Health in January 2016 that has doubled the program's available space. The facility will accommodate a substantial increase in company participation, offering more than 30 new state of the art labs and a similar number of offices.

The University engaged with Connecticut Innovations (CI) and Battelle in 2014 by way of an MOU to identify opportunities for faculty-industry collaboration and to help advance the goals of NextGenCT utilizing the following programs:

- Department of Economic & Community Development (DECD):
 - \$70M Connecticut Manufacturing Innovation Fund (MIF) administered through DECD to assist the manufacturing industry to innovate commercial products and services and help drive enhancement in, or development of, products or services designed to strengthen their competitive position. The MIF supports competitive initiatives in the following areas:
 - Voucher Program (DECD/CCAT) – It is designed to help keep pace with the state-of-the-art product development and manufacturing technology. The program provides companies with access to the expertise they need to become more efficient, productive, and profitable.
 - Incumbent Worker Training Initiative (DECD/DOL) – The program provides financial assistance to train incumbent workers in the appropriate skills to meet current and emerging market needs.
 - Apprenticeship Program (DECD/DOL) – To support a combination of on-the-job training and classroom instruction for apprentices in Connecticut's manufacturing industry. Grants awarded through the program can be used for

- wage subsidy, tuition reimbursement and to offset the costs of gaining appropriate credentials for apprentices.
- \$300K Small Business Incubator Program (SBIP) eases the inherently high financial burden of growing a start-up technology based business in today's economic climate. Support under this program is offered to technology companies that are housed in Connecticut based incubator facilities. The program is funded by DECD and administered in partnership with CCAT.
- \$200M CT Bioscience Innovation Fund, creating the opportunity to develop collaborations with UConn faculty and industry partners to leverage external funds from federal agencies – administered through CI
- \$600K Technology Talent Bridge (TTB) – a program that connects student interns with work on relevant projects (and companies) within the State - administered through CI
- \$1.5M Small Business Innovation Research ACP Program – available for small, high-tech Connecticut businesses seeking funding for R&D and commercialization - administered through CI
- \$400K Innovation Challenge – to work with small companies to meet innovation opportunities established by anchor companies seeking to leverage the ongoing master agreements of UConn with major Connecticut companies - administered by CI.
- \$250K Manufacturing Technical Assistance Program (MTAP) – collaboration between the University and the Connecticut Center for Advanced Technology (CCAT) is designed to spur innovation within the state's manufacturing sector - administered through UConn and CCAT
- Eli Whitney Equity Fund – to provide R&D support and research space to innovative companies receiving investment from CI

A summary of university and joint university-industry intellectual property activities, including the number of disclosures, patents, licenses, new businesses and entrepreneurial activities established with university technologies:

The mission of Technology Commercialization Services within the Office of the Vice President for Research is to expedite and facilitate the transformation of UConn discoveries into products and services that benefit society and drive economic growth and job creation. The goals are to bring together UConn researchers and the business community in order to significantly enhance the commercial and societal impact of UConn's research; identify and help move inventions by UConn faculty, staff and students towards the market through licensing or new company formation; secure patent protection for new technologies, where warranted by market forces; and generate industrial support for ongoing applied / translational research projects.

University inventions have led to more than 500 US Patents - a growing number - with 31 US Patents issued to UConn inventors in FY 2016 alone. Additionally, many of our faculty have more intellectual property and patents based on their work at other institutions.

Recent State initiatives, such as Next Generation Connecticut and Bioscience Connecticut, have enhanced the University's role as a center for innovation, but reduced State funding for new faculty hires has substantially limited its capacity to maximize the hoped for return on investment. A new \$169.5 million UConn Technology Park with an anchor facility, the

Innovation Partnership Building, designed to house industry-academic research collaborations, is under construction and will develop and grow industry relationships and entrepreneurship at the University. These initiatives will provide a robust pipeline of innovation, talent and unique research facilities for technology development, business incubation and growth.

Identification of research and innovation benchmarks and an analysis of the university’s progress in meeting such benchmarks in comparison to nationally-ranked research universities:

More than one hundred research centers, institutes, and programs serve UConn’s teaching, research, diversity, and outreach missions. Undergraduate, graduate, and faculty research at the University drives business development and enhances quality of life. UConn’s research operations make real and vital contributions to the State’s economy. Research dollars enter the Connecticut economy through UConn, but the impact doesn’t end there. Through the bold NextGenCT initiative, the State’s economic development will be fueled.

Experience indicates that there is no uniform approach to technology licensing that will meet the needs of our diverse industry partners. The University is committed to working with its partners to provide the intellectual property rights necessary to meet company goals.

The following table reflects the positive licensing and commercialization trends at the University:

	FY 2013 (Base)	FY 2014	FY 2015	FY 2016
Invention Disclosures Received	71	59	93	69
Patent Applications Filed	95	86	113	91
Patents Issued	20	21	28	31
Licenses & Options Executed	19	22	10	11
Licensing Revenue (\$M)	\$1.0	\$1.7	\$1.1	\$1.0
Startup Companies Formed	4	5	3	2

Year to year fluctuations in Disclosures Received is not unusual. The ten-year average is 85 Disclosures Received. The 93 Disclosures Received in FY 2015 was the highest since the formation of the Technology Commercialization office. There was a spike in licensing revenue in FY 2014 due to the onetime sale of patent rights to a large international company. Also, while not evident from the figures in the table, the percentage of Licensing Revenue attributable to running royalties is trending upward.

The following table reflects how the University compares to other nationally-ranked research universities per \$50M in research expenditures:

	Research Expenditures		Invention Disclosures Received		Patent Applications Filed		Patents Issued		Licenses & Options Executed		Licensing Revenue (\$K)		Startup Companies Formed	
	FY13	FY15	FY13	FY15	FY13	FY15	FY13	FY15	FY13	FY15	FY13	FY15	FY13	FY15
UConn	3.62	3.44	19.59	27.00	26.22	17.75	5.52	8.70	5.24	4.36	\$270	\$274	1.10	0.60
Iowa State	6.02	7.04	16.29	18.45	9.81	9.50	3.99	4.40	12.80	15.35	1,514	\$457	0.33	0.55
Ohio State	19.35	19.24	19.85	16.55	10.85	20.20	3.20	2.10	1.96	5.15	109	\$128	0.52	0.55
Purdue	12.27	11.52	25.58	27.50	40.01	16.75	5.38	10.60	5.87	11.35	514	\$553	0.65	2.15
Rutgers	10.72	13.16	12.87	12.25	18.74	7.45	4.01	5.70	5.22	4.10	784	\$1,169	0.19	0.30
Georgia	7.00	7.48	19.99	17.10	13.42	8.40	6.14	5.90	11.71	22.70	1,179	\$872	0.43	0.80
Iowa	8.71	8.44	11.02	17.45	9.76	6.90	2.76	2.85	1.95	4.75	138	\$178	0.69	0.85
Minnesota	17.64	18.2	18.76	19.45	12.81	8.00	3.63	2.75	5.05	14.70	2,156	\$1,018	0.79	0.90
Missouri	6.28	6.42	22.92	23.50	26.90	11.70	5.89	5.60	3.02	11.50	1,234	\$1,238	0.80	0.80

Due to the significant range in research expenditures between peers, the data in the table above is normalized per \$50M in research expenditures to allow for more meaningful comparison. The normalized data indicate the following:

- UConn's Licensing and Commercialization metrics in most categories are on a par with those of its peers.
- UConn generally exceeds the peer group in the generation of startup companies.
- UConn Licensing Revenue exceeds that of two notable Peers - Ohio State University and the University of Iowa - despite their greater capacity for commercialization; nevertheless, UConn should and can make improvements in this metric.

Note that comparison of metrics vs. peers is not possible for FY 2016, as the AUTM Survey data for FY 2016 will not be available until summer 2017.

Deferred Maintenance/Code Compliance/ADA Compliance/Infrastructure Improvements & Renovation Lump Sum

The 2007 amendments to the law define the “deferred maintenance” portion of the project name as “repair of an infrastructure or structure that was not maintained, repaired or replaced in the usual course of maintenance and repair.” In May 2016, the wording of this named line was amended to clarify the use of funds within this named line/category of projects. In general, projects in this named line fall into one or more of the following types of work:

- Safety, code and ADA required improvements
- Roof and exterior repairs
- Building mechanical system improvements
- Utilities repairs and upgrades
- General building renovations
- Roads, walks and grounds
- Environmental remediation

The Phase III project budget now stands at \$814.4 million.

CAPITAL PROGRAM

The Board of Trustees, at its June 29, 2016 meeting, approved the FY17 Capital Budget totaling \$274,552,000 as shown in Exhibit A. This amount reflects \$213,442,000 for Storrs and the Regional campuses and \$61,110,000 for UConn Health.

Storrs & Regional Campuses

The following is a brief description of the named projects included in the FY17 Capital Budget or previous budgets, which are currently in planning, design or construction.

Avery Point Buildings 21 and 23

Buildings 21 and 23 (formerly known as the Coast Guard Research & Development Barracks and Mess Hall) were located at the center of the campus and comprised 460,000 square feet. It was the recommendation of the engineers and campus administrators that the utilities that run through the building be relocated and the buildings demolished. The first phase of demolition took place in summer 2014 and relocation of utilities was completed in summer 2015. Demolition of the buildings was completed in March 2016 and a new landscaping layout will be finished in summer 2017.

Academic and Research Facilities

Currently, there are three major projects in various stages within this category: Main Accumulation Area (MAA), Gant Renovations, STEM Research Center 1.

The MAA for Regulated Waste building is in construction. The new facility is sized to adequately handle three types of waste that are generated on campus, including biological, chemical, and low level radioactive. The diversity of waste dictated certain building design features that promote the safety of operation. Therefore, the University required a building of approximately 8,200 square feet of space in a single level structure with processing and containment areas located adjacent to a central loading dock/receiving area. The project is on schedule with substantial completion expected by December 2016. Construction continues to be on schedule with final activities in progress. Environmental Health & Safety occupancy anticipated in mid-January 2017.

The 285,000 gross square foot Gant Science Complex will be renovated to accommodate current and future University needs in response to growing student enrollment in STEM programs. These improvements will include classrooms, lecture halls, teaching and research laboratories, faculty offices and support spaces. Exterior site and plaza areas will be improved to make them more inviting and accessible to the campus community. The building envelope (façades and roofs) will be reconstructed to provide a more attractive waterproof skin with better energy performance. A new light court will be built that encloses the existing opening at the Gant Plaza. Planning and design of the Gant building renovations are underway. Phased construction is anticipated to begin in Spring 2017 and be complete in Summer 2022. A series of enabling projects are currently in the design phase in order to relocate UITS occupants off the ground floor. This is the critical path prior to construction starting in the Spring of 2017.

The STEM Research Center 1 building is a keystone in the effort to fulfill the mandates of NextGenCT and will provide critical new research facilities for the existing and new STEM faculty. The 200,000 square foot research facility will be designed to meet both the current and future programmatic requirements of the University as it seeks to balance the anticipated rise in student enrollment in STEM programs with future programmatic research needs. Design for the new facility is anticipated to begin in December 2016.

Deferred Maintenance/Code Compliance/ADA Compliance/Infrastructure Improvements & Renovation Lump Sum

The 2007 amendments to the law define the “deferred maintenance” portion of the project name as “repair of an infrastructure or structure that was not maintained, repaired or replaced in the usual course of maintenance and repair.” In May 2016, the wording of this named line was amended to clarify the use of funds within this named line/category of projects. In general, projects in this named line fall into one or more of the following types of work:

- Safety, code and ADA required improvements
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- Building mechanical system improvements
- Utilities repairs and upgrades
- General building renovations
- Roads, walks and grounds
- Environmental remediation

The Phase III project budget now stands at \$814.4 million.

Engineering and Science Building

The School of Engineering is located in several buildings, five on the main Storrs campus and four at the Depot campus. The three oldest and least renovated buildings on the main campus were built between 1959 and 1987 and can no longer support emerging interdisciplinary engineering programs such as bioengineering and nanotechnology.



A new five story Engineering and Science building will be located at the site of the Old Central Warehouse with three floors of Engineering and two floors of Life Sciences including the Institute for Systems Genomics. Construction began in June 2015 and is anticipated to be complete in Summer 2017.

Deferred maintenance projects in the remaining Engineering buildings are ongoing including code upgrades, mechanical improvements and interior renovations.

Equipment, Library Collections & Telecommunications

The enhancement of the University’s infrastructure includes its instructional and scientific equipment. The equipment replacement category permits the University to replace outmoded items with state of the art laboratory devices and computers. The funding encompasses seven major categories: management information systems, computers, research equipment, instructional equipment, furnishings, operational and public safety support, and library materials.

Library materials are no longer purchased with UCONN 2000 funds; this expense is part of the operating budget. The total Phase III Equipment, Library Collections & Telecommunications budget is now projected at \$279.2 million.

Fine Arts Phase II

Numerous planning and design studies performed since 1991 have evaluated the needs of the School of Fine Arts. In response to these studies, the Storrs Center initiative, and the dispersal of the School of Fine Arts (SFA) facilities throughout the Storrs and Depot campuses since 1991, a Master Plan has assessed the condition of the current facilities, updated the program requirements of the School, and made draft recommendations to guide the use of UCONN 2000 funds for the School. The scope of this project has been focused to address façade repair and replacement at the Drama and Drama-Music buildings and to add a 30,000 square foot production facility. It will centralize production functions into a multipurpose facility which includes scene, stage, welding, lighting and costume shops. The University selected an architectural team to provide existing conditions assessments, programming, design, and documentation and construction observation services. Bid drawings will be completed in spring 2017. Construction is expected to start in the summer of 2017 with anticipated completion in winter of 2018.

Hartford Relocation Acquisition/Renovations

Design of the new UConn Hartford campus was finalized and site construction began in the summer of 2015. Bidding of the balance of the packages will be completed by the end of the year. The new main campus building will be in a central location at the site of the historic Hartford Times Building in the downtown Front Street District of Adriaen's Landing. The historic building will be restored and incorporated into the new design. The new campus will include classrooms, labs, faculty offices, tutoring centers, conference rooms, study rooms, break out rooms, café and staff offices.

The new main building design includes a central atrium space and a courtyard for outdoor activities. The project includes first floor retail spaces that will activate the urban streetscape and integrate the project with the existing Front Street commercial district. The project is scheduled for completion in Summer 2017. The University is evaluating strategic partnerships with the neighboring institutions and businesses in order to avoid overbuilding and will use underutilized existing space in the market to supplement its new building. The University purchased a 32,000 square foot building at 38 Prospect Street and executed an operating and shared use agreement with the Hartford Public Library as other campus components. The result will be a neighborhood campus that helps to revitalize downtown Hartford.



Heating Plant Upgrade

The University completed an expansion to the existing heating plant, a new Cogeneration system, in 2006. At the time of construction, spaces to accommodate a future chiller and emergency generator were incorporated should the University require additional cooling and power. The advent of the NextGenCT program necessitates several internal updates to the plant,

including condensate piping repairs, new controls, the additional chilled water generator and the emergency generator. The project to install additional chilled water capacity is in construction. A design team has been commissioned to prepare the plans and specifications for the emergency generator project. Construction has been delayed until late 2016 or 2017 due to code requirements that must be completed.

Jorgensen Renovation

This facility was constructed in 1956 for orchestra performances. Over the years, it has been modified to accommodate events and gatherings. The building contains five levels, including mezzanine levels above the basement and first floor. With a total of 76,408 square feet of space, the lower floor houses the Little Theatre, the Jorgensen Gallery, and a television studio. The upper floor contains a 2,600-seat auditorium, lobby areas, and support facilities. The two main air handlers, which provide HVAC to the main auditorium space, were replaced with two new rooftop units. This work was accomplished during summer 2016 and is currently in substantial completion.

Law School Renovations/Improvements

In May 2000, as part of a plan to undertake renovations to the Starr building (former Law Library building), a facility program was developed for all original campus buildings. Starr Hall (50,750 square feet), Chase Hall (19,500 square feet), Hosmer Hall (43,072 square feet) and Knight Hall (13,500 square feet) are office and classroom buildings on the Law School campus. These buildings are listed on the National Historic Register. The University has completed masonry restoration on Starr, Chase and Hosmer Halls and replacement of seating in the Davis courtroom. Future renovations to the remaining buildings will be completed as funding becomes available. Currently a project to replace windows in Hosmer Hall is under construction and will be complete Winter 2017. A project to repair the stucco façade at Hosmer is planned for construction during the Spring of 2017. Design for a new Student Center located in the Law Library is in progress. Design will be finished in winter 2017 with construction beginning in the Spring of 2017.



Monteith Renovation

Originally planned as “swing space”, the 73,000 square foot Monteith building and the adjacent Schenker Lecture Hall have been reprogrammed as a new home for the Math Department which will vacate a wing of the Gant complex. While the existing exterior will remain unchanged, the interior will be gutted and reconstructed – providing classrooms, offices, conference rooms and support spaces. Construction commenced in October 2015 completion and was substantially complete in July 2016. Department move-in took place August 2016 and the renovated building was ready for the start of the academic year. The project is currently in financial close-out.

North Eagleville Road Phase III

The North Eagleville Road Area Infrastructure Repair/Replacement and Upgrades project is intended to replace aging infrastructure along a portion of the North Eagleville Road corridor from the W.B. Young Building westerly to the Northwest Residences. The project is being implemented in three phases of construction.

Phase III will replace and upgrade utilities in the North Eagleville Road Corridor from Storrs Road, westerly along North Eagleville Road to the western extremity of the project at the Northwest Residence Halls; northerly to the Towers Residence Complex and easterly to the College of Agriculture, Health and Natural Resources (CAHNR). Utilities included in the project scope include: steam and condensate return, electrical, water, storm and sanitary gravity sewer, a sanitary force main, and telecommunications. The project includes opportunities for landscape improvements and reconfiguration of North Eagleville Road within the project locus as defined by the University Master Plan approved in February 2015.

Phase III is planned to be implemented in two phases of construction over a period of two summers/falls in 2016 and 2017. The University has retained a Construction Manager at Risk to implement the project under a Guaranteed Maximum Price (GMP) contract.

Phase IIIA focused on the area of Towers Residence Halls, the CAHNR campus east of Storrs Road and a portion of North Eagleville Road from Storrs Road west to the Lakeside Building and Northerly to the Towers Residential Complex. This phase replaced steam distribution and condensate return piping, electrical power distribution, telecommunications distribution, and a sanitary sewer force main. Areas disturbed by utility work were improved within the project locus in accordance with the Master Plan. Mechanical room modifications to twenty-six buildings originally planned to be completed at a future date have been included in this project to expedite condensate return to the Central Utility Plant for added energy savings. Phase IIIA is complete.

Phase IIIB will focus on North Eagleville Road from the Lakeside Building west to Hillside Road. This phase will replace steam distribution and condensate return piping, electrical power distribution, telecommunication distribution, and sanitary force main. Surface and roadway improvements to North Eagleville Road are early in conceptual design and will be included in this phase of construction. Phase IIIB will implement these improvements to provide for better pedestrian safety and better traffic coordination with Discovery Drive. Phase IIIB is expected to begin construction in May 2017 and be substantially completed in the fall of 2017. Phase IIIB is currently in design. Construction documents are anticipated to be complete in January 2017.

North Hillside Road Completion (aka Discovery Drive)

This project provides for the extension of Hillside Road by 5,300 linear feet to Route 44. The project also provides for related utilities including gas, electrical, water, sewer and telecommunications under the new extension. The project enhances access to the Storrs campus directly from Route 44 and provides relief from traffic congestion on Route 195. Additionally, both the road and accompanying utilities will permit future development of the North Campus which is envisioned as the primary area of expansion for the main campus, permitting new



University buildings, residential capacity, and public/private partnerships. The Town of Mansfield supported the road project. UCONN 2000 funds were augmented by \$5.8 million in Federal funds granted to the University for this project; as well as funds provided for the

University's new Technology Park. Construction began in July 2014 and the road was opened to traffic in December 2015. Final landscaping was completed in the spring of 2016. The final part of the project is to convert 40 acres of woodland into farmland. The work began in September of 2016 and with anticipated completion in the spring of 2017.

Residential Life Facilities

This named project represents the overarching authorization to undertake activities to provide housing and dining facilities for the University's students. Although the quantity and the diversity of campus living arrangements were expanded under the first two phases of UCONN 2000, much remains to be done. Some renovations of the older dormitories and code improvements were accomplished. Multiple projects were completed for the installation of sprinkler systems, replacement of elevators, as well as windows and roofs in various residential facilities.



The Next Generation CT residence hall is located in the Hilltop Residential area and has a living/learning community, as well as approximately 725 new beds and staff and director apartments. The new design/build Next Generation CT residence hall was completed in July 2016. Also, FY17 funding will support façade repairs at the South Campus complex as well as other deferred maintenance needs in all of the residential and dining facilities.

Stamford Residential Housing

Following a formal public Request for Expressions of Interest process, the University selected a proposal from RMS Companies to provide residential housing at 900 Washington Boulevard for the UConn Stamford campus. A preliminary term sheet was executed in March 2016 and the parties are working towards formal agreements concerning the property, which commenced construction at the end of 2015 and will be completed by the summer of 2017. As currently contemplated, the six-story building will have 116 residential apartment units, with approximately 50% being two bedroom units, and the balance being one bedroom and studio apartments.

Stamford Campus Improvements

When the Stamford Downtown Campus was constructed, the majority of funds were spent on academic building and site work. Further improvements need to be undertaken. The FY17 funds will continue support of the Cooling Tower Replacement project. The two existing cooling towers were installed in 1997 and have surpassed their useful life – tower casings are deteriorated and cause numerous water leaks. Other age-related issues involve the deterioration of fans and piping connections, valve corrosion, damaged bearings and excessive noise. This project to replace the towers is expected to be complete in the spring 2017.

Technology Quadrant Phase III

Public Act 14-98 provides funding in the amount of \$169.5 million for the UConn Technology Park project and allows this project to be managed through the authority of the UCONN 2000 program. This project provides for the development of the first building in a Technology Park located along Discovery Drive. The initial facility will consist of an 113,000 square foot Innovation Partnership Building that will house world class equipment and offer shared laboratories for use by industry scientists and business entrepreneurs as they work side-by-side with the University's research faculty. Construction began in July 2015 and the initial building will be complete in Summer 2017 with specialty labs complete in late 2017 and early 2018.



Other work in this project includes development of underground utilities and an increase in the existing water supply for the University and the Town of Mansfield. An environmental assessment for the new water supply was completed and approved by OPM in September 2013. The new water supply will be an interconnection between the UConn system and the Connecticut Water Company's (CWC) system. The University and CWC finalized a contractual agreement in December 2013. A final permit was published by DEEP in June 2015. Construction for the new water supply is complete other than the final connection to the Connecticut Water Supply line. CT Water project is behind schedule and the final connection is anticipated to be undertaken in December 2016.

Utility Framework Modeling & Mapping/ Campus Infrastructure Upgrades/Landscape Repair Programs/Exigent Steam Repairs

The University owns, maintains, and operates large networks of utility production distribution and collection systems serving all buildings on the Storrs Campus. As the NextGenCT initiative and Master Plan are implemented, it is necessary to assess the capacities of these systems in order to ensure that enabling utility support projects are designed and implemented to support campus development.

Following a quality-based selection process, the University engaged an engineering firm (Framework Consultant) to assemble all existing utility information and to develop computer based models of the distribution and collection systems on the Storrs campus, and to utilize the models for predictive analysis guided by the Master Plan. Utilities and collection systems modeled include: normal and emergency power distribution; steam distribution and condensate return; potable and fire service water distribution; reclaimed water; sanitary sewer and storm drainage collection systems; and chilled water distribution. In order to ensure that the necessary predictive modeling will be appropriately coordinated with the NextGenCT initiative, the data collection and construction of the computer models began immediately upon engagement. This first phase was completed in April 2016.

The second phase will analyze campus build out in accordance with the Master Plan and Capital Program timelines in order to identify necessary utility upgrades needed to support future campus development over the next 20 years. This phase of the project began in July 2016. It uses the existing modelling completed in the first phase of the project as the baseline and develops predictive utility production, treatment collection and distribution models thereby allowing the development and implementation of utility and infrastructure upgrades necessary to support future planned campus development.

Young Building Renovation/Addition

This building was constructed in 1953 and has 71,937 square feet of office, classroom and lab spaces. The occupant of the building is the College of Agriculture, Health and Natural Resources. Due to the College's laboratory needs and the generally poor condition of all of the building systems, this building was slated for a full renovation and an addition. The first phase renovation project scope consisted of window replacements, restroom renovations, and mechanical system upgrades (including laboratory ventilation); and the project was completed in August 2013. The second phase renovation project scope consisted of roof repairs and masonry replacement/repointing. Construction began in April 2015 and was completed in August 2016.



New Patient Tower

UConn Health

UConn Health's New Hospital Construction and Renovation

The existing John Dempsey Hospital (JDH) building lacked the capacity to accommodate evolving standards of care, new technologies and patient/provider expectations. Since construction completion in 1972, JDH's physical plant infrastructure, including mechanical, electrical, plumbing, HVAC and fire alarm systems and telecommunication cabling, have never been substantially renovated. The addition and renovation provides a new state of the art platform, including robust information technology systems, and new



essential medical equipment for the delivery of healthcare and the education of the State's medical and dental students.

This project constructed a new 169 patient bed tower as an addition to the existing Hospital (H) Building. The addition includes 13 new operating rooms and a new 42 bay Emergency Department. The renovation work to the existing building is deferred at this time. When funding is identified, the work will replace or refurbish the mechanical and electrical infrastructure for much of the existing H building.

The project's scope was expanded as part of the Bioscience Connecticut initiative to include 26,000 gross square feet of clinical support space and a second 400 car parking garage. The parking garage was successfully completed and became fully operational in the spring of 2016. Due to budget constraints, the clinical support space was not fit-out as part of the construction project. At this time, the floor is partially fit-out to house the IT staff implementing the new electronic medical records system, EPIC, for UConn Health.

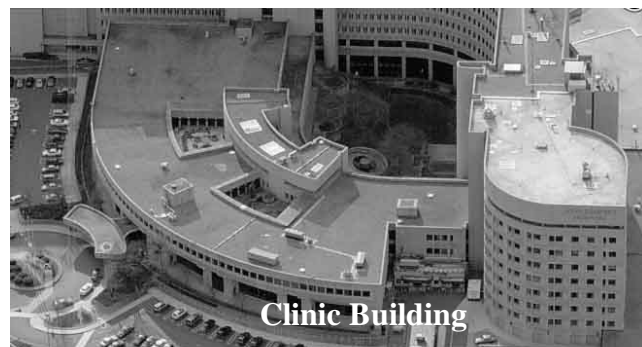
The project is being implemented in phases as follows:

- Phase 1: New Parking Garage 3 and site utility work (construction was completed in April 2013 and the garage is in full use).
- Phase 2: Construction of the new bed tower, Emergency Department, Operating Room suite, and the new Parking Garage 2 (Construction began in June 2013 and the new tower opened in May 2016).
- Phase 2B: Construction of a new corridor to connect the Main Building to the new bed tower. (This phase will be complete in February 2017)
- Phase 3: Renovations to the existing Hospital (H) building. (This phase is deferred pending the availability of funds from non-bond fund sources.)



Clinic Building Renovations

The existing clinical area of the Main Building will be partially renovated as part of the Bioscience Connecticut initiative. The focus of the renovations is the Dental School's teaching clinics and the Pat and Jim Calhoun Cardiology Center. The project is replacing outdated mechanical and electrical building infrastructure components. UConn Health and the architects began planning work in March 2013 and the construction began in June 2016.



Academic Building Addition and Renovations

Additional medical education space is needed to support the planned 30% increase in dental and medical student class sizes. As a result of detailed planning work, the education space was designed as an addition to and partial renovation of the existing Academic (A) building rather than the original concept which was a separate floor in the new bed tower. This approach provides a centralized location for the majority of the education activities. The project began construction in April 2015. The addition was completed in July 2016 and the renovations will be completed in phases by mid-2017.

Deferred Maintenance/Code/ADA Renovation Sum

The 2007 amendments to the law define the “deferred maintenance” (DM) part of the project name as “repair of an infrastructure or structure that was not maintained, repaired or replaced in the usual course of maintenance and repair.” In general, projects in this named line fall into one or more of the following types of work:

- Roof and exterior repairs
- Safety, code and ADA required improvements
- Building mechanical system improvements
- Utilities repair and upgrades
- General building renovations
- Roads, walks and grounds
- Environmental remediation

The Phase III total is \$47.6 million.

Equipment, Library Collections and Telecommunications

These funds support the UConn Health equipment, library collections and telecommunications infrastructure. More specifically, the project line covers computers, management information systems, research equipment, instructional equipment, furnishings, operational and public safety support, and library materials. Outmoded items must be replaced with equipment that is necessary to support research and instructional activities, maintain building compliance, conserve energy and provide a safe environment for the students, staff, and those who use UConn Health services. The Phase III total is \$68.4 million.

Main Building Renovation

The UConn Health Main building includes areas used by the general public as well as research, academic and clinical space. The focus of this renovation is the building’s research facility and major building mechanical systems. The facility consists of seven floors, which house over 200 research labs and support space, and four floors of mixed use that include classrooms, student support spaces, operations support and mechanical spaces. Over the life of the building, no substantial renovations or upgrades have been undertaken.



Proposed Renovated Lab space in the Main Building

As an early phase of this project, the Clinical Skills Renovation, was completed in December 2007. The project renovated a portion of the Main Building to allow for the relocation and expansion of the Clinical Skills teaching program. The expanded program includes the use of a life-size programmable mannequin with a computerized graphical user interface used to teach clinical and decision making skills during realistic patient care scenarios.

The remainder of the work for the Main Building Renovation focuses on UConn Health's largest research facility, the "L" (LAB) building, which houses over 280,000 square feet of research labs and support space. The renovations are being implemented via two separate projects. "Project 1" which renovated approximately 50% of the total space, is complete and the reconfigured labs are in use. The renovated labs are dramatically improved with larger, more flexible layouts that promote collaboration between researchers. The labs are also much more energy efficient because aged heating and air conditioning, electrical, and plumbing systems have been replaced with modern technologically advanced systems.

A second project, "Project 2", was included as part of the Bioscience Connecticut initiative. This project completes the lab renovation on the top four floors of the research area. The construction began in December 2015 and is on schedule to be complete in March 2017. Note that later phases of Project 2 are deferred pending funding from non-state bond fund sources.

UCONN 2000: SET-ASIDE CONTRACTOR

Public Act 99-241 called for, among other things, information regarding use of Connecticut owned businesses on UCONN 2000 program projects, including those owned by women and minorities ("set-aside" contractors). Since Fiscal Year 1996, construction and related contracts for the UCONN 2000 program totaled \$3.1 billion from all fund sources; \$2.5 billion is strictly UCONN 2000 funds. As of January 2017, Connecticut businesses have accounted for \$1.99 billion of the total contracted dollars with "set-aside" general contractors and subcontractors accounting for \$621.6 million. Overall, small business participation has amounted to \$355.6 million, minority business participation has amounted to \$75.9 million, and women-owned business participation has amounted to \$191.1 million.

UCONN 2000: FINANCE

Pursuant to Section 10a-109x of the Connecticut General Statutes, the semi-annual report to the General Assembly is to provide, among other things, information on the number of projects and securities authorized, approved and issued; the payment of debt service requirements, and the payment of principal and interest on the UCONN 2000 securities; and the amount of investment earnings. This section provides that information.

During the May 2016 Special Session, the Connecticut General Assembly passed Public Act No. 16-4 effective July 1, 2016 which among other things changed the name of the UCONN 2000 project "Deferred Maintenance/Code/ADA Renovation Lump Sum" to "Deferred Maintenance/Code Compliance/ADA Compliance/Infrastructure Improvements & Renovation Lump Sum" and also shifted \$26,000,000 of Debt Service Commitment authorizations from Fiscal Year 2017 to Fiscal Year 2018.

During May 2014, Governor Malloy signed Public Act 14-98 which clarified that the language in the UCONN 2000 legislation limiting UCONN 2000 debt applied only to the debt service commitment debt that the State pays and the limit does not apply to UCONN 2000 Special

Obligation Student Fee Revenue bonds and other types of UCONN 2000 debt which the University and not the State pays. Public Act 14-5 was also signed in May 2014 and eliminated certain UCONN 2000 Act language that limited leasing outside the Storrs Campus.

In July 2013, Governor Malloy signed Public Act 13-233, “An Act Concerning Next Generation Connecticut”, which extended the UCONN 2000 program another six years until Fiscal Year 2024; increased the statutory authorizations for the UCONN 2000 bonds secured by the State’s debt service commitment by \$1.551 billion for a total of \$4,282,900,000; changed certain fiscal year bond authorizations; added a new named project called “Academic and Research Facilities”; and also added the housing language to the “Stamford Campus Improvements/Housing” project.

In July 2011, Governor Malloy signed Public Act 11-75, “An Act Concerning the University of Connecticut Health Center”, the Bioscience Connecticut initiative, which increased the statutory authorizations for the UCONN 2000 bonds secured by the State’s debt service commitment by \$262,900,000 for a total of \$2,731,900,000; changed certain fiscal year bond authorizations; eliminated a prior provision relating to the \$100 million contribution of federal, private or other non-state money; and provided for funding to renovate research laboratory space and create additional business incubator space.

On August 25, 2011, the Governor signed Public Act 11-57 for creation of a world-class Technology Park on the Storrs Campus to serve as a cornerstone for a new Connecticut research triangle. The Technology Park is expected to generate hundreds of new jobs in Connecticut, encourage new business growth, and leverage millions of dollars in federal and private research funding. The Technology Park will link to UConn Health in Farmington and the Connecticut Bioscience Initiative to Yale University in New Haven, and others. A total of \$169.5 million of State General Obligation bond funding has been authorized by the State Bond Commission for the Technology Park. . On April 26, 2013, the State Bond Commission authorized the release of \$20 million in State General Obligation bonding to cover the purchase of equipment. On May 11, 2015, the State Bond Commission authorized the release of \$131.5 million in State General Obligation bonding to fund the construction of the new facility.

During the October 2011 special session, the Connecticut General Assembly adopted Public Act 11-2 which established the Connecticut Bioscience Collaboration Program (the “Collaboration”) and authorized \$290,685,000 of State general obligation bonds to be issued over a ten-year period and to be deposited in the Connecticut Bioscience Collaboration Fund. The Collaboration will support the establishment of a bioscience cluster anchored by the Jackson Laboratory for Genomic Medicine, a research laboratory located on UCH’s Farmington campus.

General Obligation Bonds

Section 10a-109 of the Connecticut General Statutes empowers the University to issue General Obligation Bonds secured by the State’s Debt Service Commitment (sometimes referred to as “General Obligation Debt Service Commitment Bonds” or “GO-DSC Bonds”). These Bonds are issued pursuant to the General Obligation Master Indenture of Trust, dated as of November 1, 1995, between the University of Connecticut, as Issuer, and Fleet National Bank of Connecticut as Trustee (now U.S. Bank N.A.). The University’s Board of Trustees on November 10, 1995, and the State Bond Commission on December 21, 1995 approved the Master Indenture of Trust. The Master Indenture was subsequently amended and approved by the University’s Board of Trustees on September 26, 2003 and the State Bond Commission on December 19, 2003. The

Board of Trustees and the Governor approve the subsequent Supplemental Indentures for each bond issue. The University and the Office of the State Treasurer, working in conjunction, manage the GO-DSC Bond sale process.

General Obligation Bond Issues Completed

As of December 31, 2016, there were 28 bond issues for the UCONN 2000 program including 9 refunding bond issues under the State's DSC. Pursuant to Section 10a-109g of the Connecticut General Statutes, the UCONN 2000 GO-DSC Bonds authorized, approved and issued to date are listed below:

UCONN 2000 GO-DSC Bonds Phase I, II & III

<u>Date of Issue</u>	<u>Par Amount</u>	<u>TIC</u> ⁽¹⁾	<u>Bond Issue</u>
February 21, 1996	\$83,929,714.85	4.94%	1996 Series A
April 24, 1997	124,392,431.65	5.48%	1997 Series A
June 24, 1998	99,520,000.00	4.78%	1998 Series A
April 8, 1999	79,735,000.00	4.46%	1999 Series A
March 29, 2000	130,850,000.00	5.42%	2000 Series A
April 11, 2001	100,000,000.00	4.54%	2001 Series A
April 18, 2002	100,000,000.00	4.74%	2002 Series A ⁽²⁾
March 26, 2003	96,210,000.00	3.97%	2003 Series A ⁽³⁾
January 22, 2004	97,845,000.00	3.76%	2004 Series A ⁽⁴⁾
March 16, 2005	98,110,000.00	4.20%	2005 Series A ⁽⁵⁾
March 15, 2006	77,145,000.00	4.20%	2006 Series A ⁽⁶⁾
April 12, 2007	89,355,000.00	4.10%	2007 Series A ⁽⁷⁾
April 16, 2009	144,855,000.00	4.01%	2009 Series A ⁽⁸⁾
May 25, 2010	97,115,000.00	3.64%	2010 Series A ⁽⁹⁾
December 12, 2011	179,730,000.00	3.31%	2011 Series A ⁽¹⁰⁾
July 31, 2013	172,660,000.00	3.58%	2013 Series A ⁽¹¹⁾
April 22, 2014	109,050,000.00	3.37%	2014 Series A ⁽¹²⁾
April 16, 2015	220,165,000.00	3.09%	2015 Series A ⁽¹³⁾
<u>April 21, 2016</u>	<u>261,510,000.00</u>	<u>2.76%</u>	<u>2016 Series A⁽¹⁴⁾</u>
Subtotal Phases I,II & III	\$2,362,177,146.50		

Refunding Bonds

January 29, 2004	\$216,950,000.00	3.55%	2004 Series A Refunding ⁽⁴⁾
March 15, 2006	61,020,000.00	4.17%	2006 Series A Refunding ⁽⁶⁾
April 12, 2007	46,030,000.00	4.19%	2007 Series A Refunding ⁽⁷⁾
May 25, 2010	36,095,000.00	2.86%	2010 Series A Refunding ⁽⁹⁾
December 12, 2011	31,905,000.00	2.29%	2011 Series A Refunding ⁽¹⁰⁾
July 31, 2013	51,250,000.00	2.71%	2013 Series A Refunding ⁽¹¹⁾
April 22, 2014	92,940,000.00	1.41%	2014 Series A Refunding ⁽¹²⁾
April 16, 2015	34,625,000.00	2.15%	2015 Series A Refunding ⁽¹³⁾
<u>April 21, 2016</u>	<u>80,425,000.00</u>	<u>1.70%</u>	<u>2016 Series A Refunding⁽¹⁴⁾</u>
Subtotal Refunding Bonds	\$651,240,000.00		

Total GO-DSC Bonds \$3,013,417,146.50

- (1) TIC is the true interest cost reflecting the interest rate for the time value of money across an entire bond issue.
- (2) The GO-DSC 2002 Series A Bonds provided \$994,688.03 directly to the Office of the State Treasurer.
- (3) The GO-DSC 2003 Series A Bonds par amount of \$96,210,000 plus \$3,790,000 of the original issue premium totaled \$100,000,000 available for projects.
- (4) The GO-DSC 2004 Series A Bonds new money and GO-DSC Refunding 2004 Series A Bonds were issued under a single Official Statement with a par amount of \$216,950,000. The GO-DSC 2004 new money bonds totaled \$100,000,000 for projects, funded by the \$97,845,000 par amount plus \$2,155,000 of the original issue premium; and the GO-DSC Refunding 2004 Series A Bonds provided \$223,160,000 for a refunding escrow. Additional proceeds, including premium, funded the refunding escrow and the costs of issuance.
- (5) The GO-DSC 2005 Series A Bonds totaled \$100,000,000 available for projects funded by the \$98,110,000 par amount plus \$1,890,000 of the original issue premium. Phase II authorizations accounted for \$50 million and Phase III for \$50 million.
- (6) The GO-DSC 2006 Series A Bonds new money and GO-DSC Refunding 2006 Series A Bonds were issued under a single Official Statement with a par amount of \$138,165,000. The GO-DSC 2006 Series A Bonds new money totaled \$79,000,000 available for projects, funded by the \$77,145,000 par amount plus \$1,835,000 of the original issue premium, and the GO-DSC Refunding 2006 Series A Bonds provided \$65,472,900 for a refunding escrow. Additional proceeds, including premium, funded the refunding escrow and the costs of issuance.
- (7) The GO-DSC 2007 Series A Bonds new money and GO-DSC Refunding 2007 Series A Bonds were issued under a single Official Statement with a par amount of \$135,385,000. The GO-DSC 2007 Series A Bonds new money totaled \$89,000,000 available for projects, and the GO-DSC Refunding 2007 Series A Bonds provided \$49,505,476.89 for a refunding escrow. Additional proceeds, including premium, funded the refunding escrow and the costs of issuance.
- (8) The GO-DSC 2009 Series A Bonds par amount of \$144,855,000 plus \$5,145,000 of the original issue premium totaled \$150,000,000 available for projects.
- (9) The GO-DSC 2010 Series A Bonds new money and GO-DSC Refunding 2010 Series A Bonds were issued under a single Official Statement with a combined par amount of \$133,210,000. The GO-DSC 2010 Series A Bonds new money par amount of \$97,115,000 plus \$7,885,000 of the original issue premium totaled \$105,000,000 available for projects; and the GO-DSC Refunding 2010 Series A Bonds par amount of \$36,095,000 plus \$2,609,428.69 of the original issue premium provided \$38,704,428.69 for the refunding escrow. Additional proceeds, including premium, funded the costs of issuance.
- (10) The GO-DSC 2011 Series A Bonds new money and GO-DSC Refunding 2011 Series A Bonds were issued under a single Official Statement with a combined par amount of \$211,635,000. The GO-DSC 2011 Series A Bonds new money par amount of \$179,730,000 plus \$20,700,000 of the original issue premium totaled \$200,000,000 available for projects; and the GO-DSC Refunding 2011 Series A Bonds par amount of \$31,905,000 plus \$4,936,565.62 of the original issue premium provided \$36,841,565.62 for the refunding escrow. Additional proceeds, including premium, funded the costs of issuance.
- (11) The GO-DSC 2013 Series A Bonds new money and GO-DSC Refunding 2013 Series A Bonds were issued under a single Official Statement with a combined par amount of \$223,910,000. The GO-DSC 2013 Series A Bonds new money par amount of \$172,660,000 plus \$16,340,000 of the original issue premium totaled \$189,000,000 available for projects;

and the GO-DSC Refunding 2013 Series A Bonds par amount of \$51,250,000 plus \$6,978,911.08 of the original issue premium provided \$58,228,911.08 for the refunding escrow. Additional proceeds, including premium, funded the costs of issuance.

- (12) The GO-DSC 2014 Series A Bonds new money and GO-DSC Refunding 2014 Series A Bonds were issued under a single Official Statement with a combined par amount of \$201,990,000. The GO-DSC 2014 Series A Bonds new money par amount of \$109,050,000 plus \$10,950,000 of the original issue premium totaled \$120,000,000 available for projects; and the GO-DSC Refunding 2014 Series A Bonds par amount of \$92,940,000 plus \$6,573,683.06 of the original issue premium provided \$99,513,683.06 for the refunding escrow. Additional proceeds, including premium, funded the costs of issuance.
- (13) The GO-DSC 2015 Series A Bonds new money and GO-DSC Refunding 2015 Series A Bonds were issued under a single Official Statement with a combined par amount of \$254,790,000. The GO-DSC 2015 Series A Bonds new money par amount of \$220,165,000 plus \$29,835,000 of the original issue premium totaled \$250,000,000 available for projects; and the GO-DSC Refunding 2015 Series A Bonds par amount of \$34,625,000 plus \$5,654,495.56 of the original issue premium totaled \$40,279,495.56 deposited to the refunding escrow. Additional proceeds, including premium, funded the costs of issuance.
- (14) The GO-DSC 2016 Series A Bonds new money and GO-DSC Refunding 2016 Series A Bonds were issued under a single Official Statement with a combined par amount of \$341,935,000. The GO-DSC 2016 Series A Bonds new money par amount of \$261,510,000 plus \$38,490,000 of the original issue premium totaled \$300,000,000 available for projects; and the GO-DSC Refunding 2016 Series A Bonds par amount of \$80,425,000 plus \$10,056,693.44 of the original issue premium totaled \$90,481,693.44 deposited to the refunding redemption fund and/or escrow. Additional proceeds, including premium, funded the costs of issuance.

The nineteen series of UCONN 2000 GO-DSC Bonds issued to fund projects total \$2,362,177,146.50 in par value and provided \$2,494,000,000 for UCONN 2000 project spending (excluding the UCONN 2000 GO-DSC Refunding 2004, 2006, 2007, 2010, 2011, 2013, 2014, 2015 and 2016 Series A Bonds). The remaining balance, together with accrued interest and net original issue premium, funded the costs of issuance and deposits to the State Treasurer.

General Obligation Bonds – Projects

During Fiscal Year 2005, the University finished Phase I and Phase II and initiated Phase III of the UCONN 2000 project authorizations secured by the State’s DSC. The act provides for a total of \$4,282,900,000 of UCONN 2000 bonds secured by the State’s DSC. As of December 31, 2016, the following projects totaling \$2,946,400,000 have been authorized to receive GO-DSC Bond proceeds:

<u>Phases I & II</u>	<u>Authorized</u>
Agricultural Biotechnology Facility Completion	3,000,000.00
Agricultural Biotechnology Facility	9,400,000.00
Alumni Quadrant Renovations	11,183,623.91
Avery Point Marine Science Research Center-Phase I	30,000,000.00
Avery Point Marine Science Research Center-PhaseII	7,254,246.03
Avery Point Renovation	4,875,717.46
Benton State Art Museum Addition	700,000.00

Business School Renovation	7,958,470.42
Central Warehouse New	6,933,751.77
Chemistry Building	53,062,000.00
Deferred Maintenance & Renovation Lump Sum	40,798,259.65
Deferred Maintenance & Renovation Lump Sum Balance	117,386,096.72
East Campus North Renovations	7,382,604.53
Equipment, Library Collections & Telecommunications	60,500,000.00
Equipment, Library Collections & Telecommunications Completion	105,812,000.00
Gant Plaza Deck	7,287,174.10
Gentry Renovation	9,664,596.69
Grad Dorm Renovations	2,928,227.59
Heating Plant Upgrade	9,969,000.00
Hilltop Dormitory Renovations	8,176,528.89
Ice Rink Enclosure	3,280,000.00
International House Conversion/(a.k.a. Museum of Natural History)	886,134.00
Litchfield Agricultural Center – Phase I	1,000,000.00
Mansfield Apartments Renovation	2,071,000.00
Mansfield Training School Improvements	3,500,000.00
Monteith Renovation	444,348.00
Music Drama Addition *	7,400,000.00
North Campus Renovation	10,996,050.15
North Superblock Site & Utilities	7,668,000.00
Northwest Quadrant Renovation – Phase I	2,001,000.00
Northwest Quadrant Renovation – Phase II	30,000,000.00
Parking Garage-North	9,658,000.00
Pedestrian Walkways/(a.k.a. Fairfield Road Pedestrian Mall)	6,074,000.00
School of Business	25,652,366.00
School of Pharmacy	88,609,000.00
Shippee/Buckley Renovations	6,920,000.00
South Campus Complex	12,251,000.00
Stamford Downtown Relocation – Phase I	55,781,471.55
Student Union Addition	44,622,633.00
Technology Quadrant – Phase IA	39,993,000.00
Technology Quadrant – Phase II	34,120,000.00
Torrey Life Science Renovation	251,109.43
Towers Renovation	17,950,243.11
Underground Steam & Water Upgrade	6,000,000.00
Underground Steam & Water Upgrade Completion	6,000,000.00
Waring Building Conversion	11,452,000.00
Waterbury Property Purchase	200,000.00
West Campus Renovations	519,507.20
White Building Renovation	2,427,268.80
<u>Wilbur Cross Building Renovation</u>	<u>19,999,571.00</u>
TOTAL PHASE I & II PROJECTS	\$962,000,000.00

* Board of Trustees added Project 2/22/2001

<u>Phase III - Storrs and Regional Campuses</u>	<u>Authorized</u>
Academic and Research Facilities	22,504,392.00
Arjona and Monteith (new classroom buildings)	128,518,947.28
Avery Point Campus Undergraduate and Library Building	10,461,245.77
Avery Point Renovation	8,695,226.54
Beach Hall Renovations	5,228,972.33
Benton State Art Museum Addition	2,903,508.88
Biobehavioral Complex Replacement	3,589,141.00
Bishop Renovation	2,730,141.00
Deferred Maintenance/Code Compliance/ADA Compliance/Infrastructure Improvements & Renovation Lump Sum	319,440,238.76
Engineering Building (with Environmental Research Institute)	86,413,547.00
Equipment, Library Collections & Telecommunications	133,816,496.00
Family Studies (DRM) Renovation	2,868,306.20
Farm Buildings Repairs/Replacement	5,036,397.09
Fine Arts Phase II	11,128,424.00
Floriculture Greenhouse	6,691,798.67
Gant Building Renovations	13,231,018.00
Gentry Completion	9,628,208.95
Hartford Relocation Acquisition/Renovation	121,709,999.14
Heating Plant Upgrade	15,283,897.00
Intramural, Recreational and Intercollegiate Facilities	31,009,920.63
Jorgensen Renovation	3,934,474.58
Koons Hall Renovation/Addition	1,530,057.00
Lakeside Renovation	3,800,000.00
Law School Renovations/Improvements	16,766,342.94
Manchester Hall Renovation	772,577.13
Mansfield Training School Improvements	3,014,780.00
Natural History Museum Completion	500,000.00
North Hillside Road Completion	8,200,000.00
Old Central Warehouse *	126,000.00
Parking Garage #3	325,699.00
Psychology Building Renovation/Addition	24,337,399.00
Residential Life Facilities	141,829,876.01
School of Pharmacy/Biology Completion	6,000,000.00
Stamford Campus Improvements/Housing	1,533,703.00
Storrs Hall Addition	14,664,091.44
Student Union Addition	13,000,000.00
Support Facility (Architectural and Engineering Services)	16,583.05
Torrey Renovation Completion and Biology Expansion	1,530,373.00
Torrington Campus Improvements	369,156.42
Waterbury Downtown Campus	1,858,022.00

West Hartford Campus Renovations/Improvements	6,774,305.19
<u>Young Building Renovation/Addition</u>	<u>24,140,884.00</u>
Storrs & Regionals Subtotal	<u>\$1,215,914,150.00</u>

UConn Health

CLAC Renovation Biosafety Level 3 Lab	16,835,000.00
Deferred Maintenance/Code/ADA Renovation Sum — Health Center	46,903,839.03
Dental School Renovation	3,525,000.00
Equipment, Library Collections and Telecommunications - Health Center	66,954,390.00
Library/Student Computer Center Renovation	1,266,459.97
Main Building Renovation	120,105,675.00
Medical School Academic Building Renovation	39,047,488.00
Planning and Design Costs	25,000,000.00
Research Tower	68,580,997.00
Support Building Addition/Renovation	100,000.00
<u>The University of Connecticut Health Center New Construction and Renovation</u>	<u>380,167,001.00</u>
Total — UConn Health Project List	<u>\$768,485,850.00</u>

TOTAL PHASE III PROJECTS **\$1,984,400,000.00**

TOTAL GO-DSC BONDS: PHASE I, II AND III PROJECTS **\$2,946,400,000.00**

** The Old Central Warehouse was added by PA-07-108 effective 7-1-2007*

General Obligation Bonds – Refundings

Pursuant to Section 10a-109 of the Connecticut General Statutes, the University may issue refunding securities. The University achieved a total of \$50.6 million in gross debt services savings for Connecticut taxpayers by issuing several series of GO-DSC Refunding Bonds as follows.

On January 29, 2004, the University achieved \$15.2 million in debt service savings for Connecticut taxpayers through the \$216,950,000 of UCONN 2000 GO-DSC Refunding 2004 Series A Bonds. Proceeds pre-refunded \$223,160,000 of the portions of the 1996, 1997, 1998, 2000, 2001 and 2002 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$15,215,582.84 on a gross cash debt service savings basis or \$10,117,718.77 on a net present value basis (4.53% savings over refunded bonds debt service) spread across fiscal years 2004 to 2020.

On March 15, 2006, the University achieved \$4.0 million in debt service savings through the issuance of \$61,020,000 of UCONN 2000 GO-DSC Refunding 2006 Series A Bonds. Proceeds pre-refunded \$61,675,000 of the portions of the 1998, 1999, 2000, 2001 and 2002 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$4,003,734.09 on a gross cash debt service savings basis or \$2,495,916.47 on a net present value basis (3.94% savings over refunded bonds debt service) spread across fiscal years 2006 to 2020.

On April 12, 2007, the University achieved \$1.7 million in debt service savings through the issuance of \$46,030,000 of UCONN 2000 GO-DSC Refunding 2007 Series A Bonds. Proceeds

pre-refunded \$46,695,000 of the portions of the 2002 and 2003 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$1,680,056.23 on a gross cash debt service savings basis or \$1,387,269.87 on a net present value basis (2.97% savings over refunded bonds debt service) spread across fiscal years 2008 to 2022.

On May 25, 2010, the University achieved \$1.8 million in debt service savings through the issuance of \$36,095,000 of UCONN 2000 GO-DSC Refunding 2010 Series A Bonds. Proceeds pre-refunded \$35,885,000 of portions of the 1999, 2001, 2003 and 2004 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$1,791,739.17 on a gross cash debt service savings basis or \$1,470,720.91 on a net present value basis (4.1% savings over refunded bonds debt service) spread across fiscal years 2011 to 2021.

On December 12, 2011, the University achieved \$1.9 million in debt service savings through the issuance of \$31,905,000 of UCONN 2000 GO-DSC Refunding 2011 Series A Bonds. Proceeds pre-refunded \$33,735,000 of portions of the 2003 and 2004 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$1,918,938.89 on a gross cash debt service savings basis or \$1,680,287.49 on a net present value basis (5.0% savings over refunded bonds debt service) spread across fiscal years 2011 to 2021.

On July 31, 2013, the University achieved \$4.8 million in debt service savings through the issuance of \$51,250,000 of UCONN 2000 GO-DSC Refunding 2013 Series A Bonds. Proceeds pre-refunded \$54,375,000 of portions of the 2004 and 2005 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$4,768,953.75 on a gross cash debt service savings basis or \$3,982,216.07 on a net present value basis (7.3% savings over refunded bonds debt service) spread across fiscal years 2014 to 2024.

On April 22, 2014, the University achieved \$8.5 million in debt service savings through the issuance of \$92,940,000 of UCONN 2000 GO-DSC Refunding 2014 Series A Bonds. Proceeds refunded \$97,930,000 of portions of the 2004 and 2005 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$8,491,280.28 on a gross cash debt service savings basis or \$7,697,944.62 on a net present value basis (7.9% savings over refunded bonds debt service) spread across fiscal years 2015 to 2025.

On April 16, 2015, the University achieved \$4.9 million in debt service savings through the issuance of \$34,625,000 of UCONN 2000 GO-DSC Refunding 2015 Series A Bonds. Proceeds refunded \$38,550,000 of certain maturities of the 2006 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$4,944,870.51 on a gross cash debt service savings basis or \$4,281,359.73 on a net present value basis (11.1% savings over refunded bonds debt service) spread across fiscal years 2016 to 2026.

On April 21, 2016, the University achieved \$ 7.8 million in debt service savings through the issuance of \$80,425,000 of UCONN 2000 GO-DSC Refunding 2016 Series A Bonds. Proceeds refunded \$46,535,000 of certain maturities of the 2006 UCONN 2000 GO-DSC Refunding Bonds and pre-refunded \$42,000,000 of certain maturities of the 2007 UCONN 2000 GO-DSC Bonds. Debt service savings amounted to \$8,489,980.00 on a gross cash debt service savings basis or \$7,751,484.82 on a net present value basis (8.8% savings over refunded bonds debt service) spread across fiscal years 2017 to 2027.

Special Obligation Student Fee Revenue Bonds

UCONN 2000 also authorizes the University to issue Special Obligation Revenue bonds. Unlike the UCONN 2000 GO-DSC Bonds that are paid from the State's General Fund, debt on the Special Obligation Bonds are paid from certain pledged revenues of the University as defined in the particular bond series indenture.

A Special Capital Reserve Fund may be established for UCONN 2000 Special Obligation bond issues only if the Board of Trustees determines that the Special Obligation bond issue is self-sufficient as defined in the Act. The self-sufficiency finding by the University must be submitted to and confirmed as not unreasonable or arbitrary by the State Treasurer prior to issuance of the bonds. Once approved, the Special Capital Reserve Fund is funded at issuance by the University to meet the minimum capital reserve requirement.

Special Obligation Student Fee Revenue Bond Issues Completed

The UCONN 2000 Special Obligation Student Fee Revenue ("SO-SFR") Bonds authorized, approved and issued to date are listed below.

SO-SFR Bonds have been issued pursuant to the Special Obligation Indenture of Trust, dated as of January 1, 1997, between the University as Issuer and U.S. Bank N.A. as successor to State Street Bank & Trust as Trustee ("the Special Obligation Master Indenture"). The Board of Trustees approved the Master Indenture on November 8, 1996. The University's Board of Trustees and the Governor approve the subsequent Supplemental Indentures for each Special Obligation bond issue.

There have been six bond issues, including three refundings, pursuant to the Student Fee Revenue Bond Indenture that are not secured by the State's DSC. The University and the Office of the State Treasurer, working in conjunction, manage the Special Obligation Bond sale process. UCONN 2000 SO-SFR Bonds issued to date are summarized below:

UCONN 2000 SO-SFR Bonds

<u>Date of Issue</u>	<u>Par Amount</u>	<u>TIC</u> ⁽¹⁾	<u>Bond Issue</u>
February 4, 1998	\$ 33,560,000	5.08%	1998 Series A ⁽²⁾
June 1, 2000	\$ 89,570,000	6.02%	2000 Series A ⁽²⁾
February 14, 2002	\$ 75,430,000	4.94%	2002 Series A ⁽²⁾
February 27, 2002	\$ 96,130,000	4.89%	Refunding 2002 Series A
June 16, 2010	\$ 47,545,000	3.14%	Refunding 2010 Series A
December 13, 2012	\$ 87,980,000	2.44%	Refunding 2012 Series A

⁽¹⁾ TIC is the true interest cost reflecting the interest rate for the time value of money across an entire bond issue. The UCONN 2000 Special Obligation Bonds are generally issued for an approximate 30-year final maturity, compared to a 20-year final maturity for the GO-DSC Bonds; hence the TIC may appear relatively higher for Special Obligation Bonds.

⁽²⁾ All of the new money bonds are no longer outstanding.

On February 4, 1998, the University issued \$33,560,000 of UCONN 2000 Student Fee Revenue 1998 Series A Bonds with a final maturity of November 15, 2027. The Special Obligation First Supplemental Indenture was also dated January 1, 1997 and authorized the issuance of bonds up to a principal amount not to exceed \$30,000,000 for construction of the South Campus Residence and Dining Hall, plus amounts necessary to fund a Special Capital Reserve Fund (“SCRF”) and provide for costs of issuance. The University managed the issuance and sale of these bonds and realized a favorable true interest cost over the term. Debt service for these bonds is paid from pledged revenues as further defined in the Indenture of Trust. Such pledged revenues also help support future operation and maintenance costs for facilities built or renovated through UCONN 2000.

On June 1, 2000, the University issued \$89,570,000 of the UCONN 2000 Student Fee Revenue 2000 Series A Bonds pursuant to the Special Obligation Master Indenture and the SO-SFR Bonds Second Supplemental Indenture dated as of May 1, 2000. Bond proceeds funded \$87,000,000 of construction for the Hilltop Dormitory, Hilltop Student Rental Apartments, and Parking Garage South. They also provided for capitalized interest and costs of issuance. The \$89,570,000 Student Fee Revenue 2000 Series A Bonds were defeased in substance on February 27, 2002, as further described below, and are no longer reflected as outstanding debt on the University’s financial statements.

On February 14, 2002, the University issued \$75,430,000 of the UCONN 2000 Student Fee Revenue 2002 Series A Bonds pursuant to the Special Obligation Master Indenture and the SO-SFR Bonds Fourth Supplemental Indenture dated as of November 16, 2001. Bond proceeds funded \$72,180,000 of construction for the Alumni Quadrant Renovations, Shippee/Buckley Renovations, East Campus North Renovations, Towers Renovations (including Greek Housing), and North Campus Renovations (including North Campus Student Suites and Apartments).

Special Obligation Student Fee Revenue Bonds - Projects

To date, nine projects have been authorized to receive \$189,180,000 of the UCONN 2000 SO-SFR Bond proceeds (some of these projects were also supported by General Obligation bonds or other funding) as follows:

<u>Special Obligation Bonds</u>	<u>Authorized & Issued</u>
Alumni Quadrant Renovations ⁽¹⁾	\$ 7,000,000
East Campus North Renovations ⁽¹⁾	1,000,000
Hilltop Dormitory New	21,000,000
Hilltop Student Rental Apartments	42,000,000
North Campus Renovation (including North Campus Student Suites & Apartments) ⁽¹⁾	45,000,000
Parking Garage-South ⁽¹⁾	24,000,000
Shippee/Buckley Renovations	5,000,000
South Campus Complex	30,000,000
Towers Renovations (including Greek Housing) ⁽¹⁾	<u>14,180,000</u>
Total	<u>\$189,180,000</u>

⁽¹⁾ Also partially funded with proceeds of the University’s General Obligation bonds.

Special Obligation Student Fee Revenue Bonds – Refundings

Pursuant to Section 10a-109 of the Connecticut General Statutes, the University may issue refunding securities. The University achieved a total of \$44.9 million in gross debt service savings (\$34.2 million net present value) for Connecticut taxpayers by issuing three series of SO-SFR Refunding Bonds as follows.

On February 27, 2002, the University achieved debt service savings of \$3,553,672 on a gross cash debt service savings basis or \$2,383,106 on a net present value basis (3.036% savings over refunded bonds debt service) through its issuance of \$96,130,000 of the UCONN 2000 Student Fee Revenue Refunding 2002 Series A Bonds. The bonds were issued pursuant to the Special Obligation Master Indenture and the SO-SFR Bonds Third Supplemental Indenture, dated as of February 1, 2002. Proceeds were used to take advantage of favorable market conditions to advance refund and defease in substance all of the \$89,570,000 of Student Fee Revenue 2000 Series A Bonds outstanding. Proceeds were deposited with the Trustee bank in an irrevocable escrow fund sufficient to satisfy future debt service and call premiums on the prior issue.

On June 16, 2010, the University achieved debt service savings of \$9,479,927 on a gross cash debt service savings basis or \$7,211,753 on a net present value basis (9.915% savings over refunded bonds debt service) (including the free up of \$2,126,425 of SCRF amounts), through its issuance of \$47,545,000 of the UCONN 2000 Student Fee Revenue Refunding 2010 Series A Bonds. The bonds were issued pursuant to the Special Obligation Master Indenture and the SO-SFR Bonds Third Supplemental Indenture, dated as of February 1, 2002. Proceeds were used to take advantage of favorable market conditions to refund, advance refund and defease in substance \$51,305,000 of prior bonds (including \$25,140,000 of the Student Fee Revenue 1998 Series A Bonds and \$26,165,000 of the Student Fee Revenue 2002 Series A Bonds outstanding). The par amount of \$47,545,000 plus \$4,267,926 of the original issue premium and \$2,126,425 from the 1998 Special Capital Reserve Fund release were deposited with the Trustee bank in a \$53,939,351.28 irrevocable escrow fund to satisfy future debt service and call premiums on the prior issues.

On December 13, 2012 the University achieved debt service savings of \$31,861,282.50 on a gross cash debt service savings basis or \$26,701,078.58 on a net present value basis (25.2% savings over refunded bonds debt service) spanning fiscal years 2013 thru 2030 by issuing \$87,980,000 of the UCONN 2000 Student Fee Revenue Refunding 2012 Series A Bonds. We achieved a stunning Total Net Present Value Savings of \$26,701,078.58 or 25.2% of the refunded principal. Working in conjunction with the Office of the State Treasurer, the University negotiated a remarkable all in True Interest Cost of 2.48 % which is the lowest interest rate for a single bond issue in the history of the program. We refunded \$106,030,000 of prior bonds including \$32,430,000 of the SO-SFR 2002A new money bonds (all of the outstanding), and \$73,600,000 of the SO-SFR Refunding 2002 A bonds (all of the outstanding). The par amount of \$87,980,000 plus \$19,690,291.67 of the original issue premium were deposited with the Trustee bank in a \$107,670,291.67 irrevocable escrow fund to satisfy future debt service and call premiums on the prior issues. The bonds were issued pursuant to the Special Obligation Master Indenture and the Special Obligation Student Fee Revenue Bonds Third Supplemental Indenture, dated as of February 1, 2002.

UCONN 2000 Heating Plant Upgrade Tax-Exempt Governmental Lease Purchase Agreement for the Cogeneration Facility

Pursuant to Section 10a-109 of the Connecticut General Statutes, the University may issue other UCONN 2000 securities pursuant to other financing documents. The Board of Trustees authorized \$81,900,000 of UCONN 2000 debt in the form of a Heating Plant Upgrade Tax-Exempt Governmental Lease Purchase Agreement (“Heating Plant Upgrade GLPA”) secured by the University’s general obligation for the Cogeneration facility portion of the UCONN 2000 Heating Plant Upgrade project on the Storrs Campus

This \$81,900,000 of UCONN 2000 debt was not issued under the UCONN 2000 General Obligation or Special Obligation Indentures of Trust, but was entered into under certain separately negotiated documents and agreements in two parts. On December 18, 2003, the University entered into a privately placed \$75,000,000 Heating Plant Upgrade GLPA with a reported nominal interest rate of 4.42% compounded monthly to finance the design and construction of a combined heat and power plant. On August 15, 2005, the University amended the agreement for an additional Heating Plant Upgrade GLPA of \$6,900,000 at a 5.09% interest rate compounded monthly (resulting in a combined interest rate of approximately 4.5%).

The Heating Plant Upgrade is a UCONN 2000 Act listed project and the funding, in addition to the \$81.9 million, has also included UCONN 2000 General Obligation Debt Service Commitment Bonds proceeds. The cogeneration facility is a linchpin of the University’s commitment to energy efficiency and generates much of the needs for electrical power, heating and cooling on the Storrs campus. Cost avoidance achieved through the construction and operation of the facility is expected to provide funds to pay the debt service.

The Tax-Exempt Governmental Lease Purchase Agreement is not rated by the credit rating agencies but, as UCONN 2000 debt, it is weighted in their credit rating analysis of the UCONN 2000 General Obligation and Special Obligation programs.

UCONN 2000 Heating Plant Upgrade GLPA – Refundings

Pursuant to the financing documents the University renegotiated the interest rate on the original financings of the Heating Plant Upgrade GLPAs and achieved a total of \$7.4 million in gross debt service savings (\$5.0 million net present value) for Connecticut taxpayers through two separate transactions.

During July 2013, the University achieved gross debt service savings of \$5.2 million by negotiating a lower interest rate amendment to the UCONN 2000 Heating Plant Upgrade-Cogeneration Facility Tax-Exempt Governmental Lease Purchase Agreement. The interest rate was lowered, effective in the August 29, 2013 monthly payment, from 4.42% on the original \$75 million loan, and 5.09% on the original \$6.9 million loan, to 3.22% on both. The combined remaining balance of the loans was approximately \$59 million. The amendment achieved combined gross nominal debt service savings of \$5,168,392.06 million or \$3,238,326.69 (4.2%) on a net present value basis over the remaining 12 years and 5 months of the original financing.

During November 2016 the University achieved gross debt service savings of \$2.2 million by negotiating another lower interest rate amendment to the UCONN 2000 Heating Plant Upgrade-

Cogeneration Facility Tax-Exempt Governmental Lease Purchase Agreement. The interest rate was lowered a full 100 basis points to 2.22% from 3.22% on the outstanding \$45.1 million balance for a debt service nominal savings of \$2,246,699.46 or present value savings of \$1,758,933.37 ((3.9% as a percentage of par) over the remaining term. Monthly debt service payments which UConn pays for out of its own resources were reduced by \$20,802.76 or about \$249,633.06 a year. The new rate is effective January 2017 and will extend over the original term of the loan ending on 12/29/2025 (approximately nine years).

UCONN 2000 Residential Life Facilities – Nathan Hale Inn Promissory Taxable Note

As of December 1, 2016, the UCONN 2000 Residential Life Facilities – Nathan Hale Inn Promissory Taxable Note was fully paid off and retired.

Background: On April 29, 2015, the Board of Trustees authorized \$5,500,000 of UCONN 2000 debt in the form of a taxable Promissory Note secured by the University's general obligation for that portion of the UCONN 2000 Residential Life Facilities project used to purchase the Nathan Hale Inn on the Storrs Campus. The Governor approved the financing on May 19, 2015.

On July 1, 2015, with Webster Bank the University entered into a privately placed \$5,376,712.73 principal amount at a 6.84% interest rate known as "UCONN 2000 Residential Life Facilities (Nathan Hale Inn) Promissory Note (Taxable)" which was secured by the general obligation of the University with an approximate 18-month maturity (August 1, 2015 to December 1, 2016). The note's debt service payments are \$44,989.20 monthly with a balloon payment due on December 1, 2016. The UCONN 2000 Residential Life Facilities (Nathan Hale Inn) Promissory Note (Taxable) was issued pursuant to certain separately negotiated (by the University with Webster Bank) documents and agreements. UCONN 2000 bond counsel reviewed the process. The note was not issued pursuant to the UCONN 2000 General Obligation or Special Obligation Indentures of Trust.

UCONN 2000 DEBT SERVICE

Pursuant to Section 10a-109x of the Connecticut General Statutes, the Semiannual Report to the General Assembly is to list the payment of debt service requirements and the payment of principal and interest on the UCONN 2000 securities.

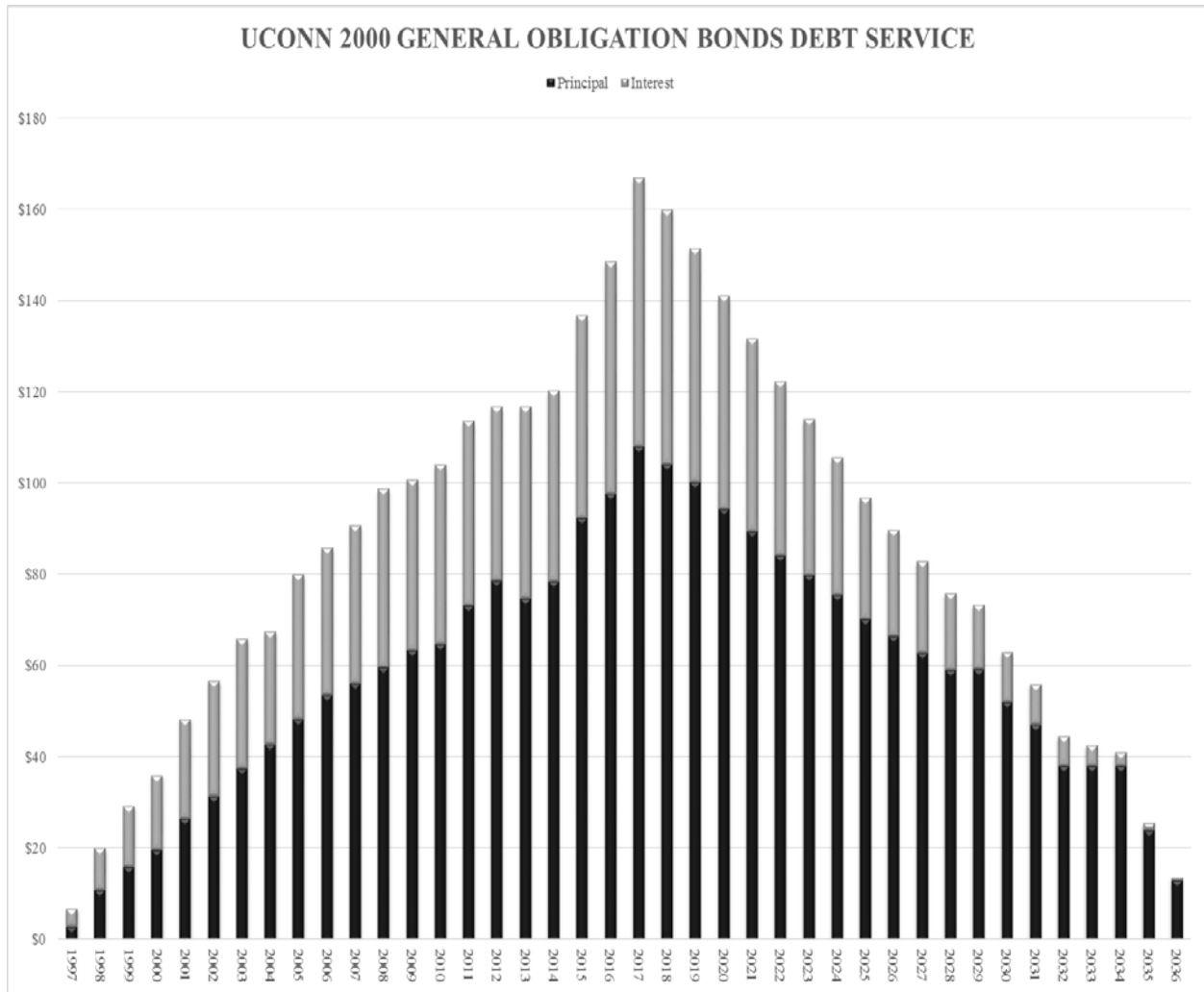
DEBT SERVICE: General Obligation Debt Service Commitment Bonds

The State General Fund pays the debt service and any arbitrage rebate due on the University's GO-DSC Bonds.. As of December 31, 2016:

- Since the program's inception in 1996, total UCONN 2000 GO-DSC debt service (which is paid by the state) amounted to \$3,441.0 million, representing \$2,332.9 million of principal and \$1,108.1 million of interest (including the Refunding Bonds but net of refunded debt).
- Of this amount, debt service of \$1,680.8 million, representing \$1,037.6 million of principal and \$643.1 million of interest (including capital appreciation bonds) has been paid.
- Future debt service requirements at this time amount to \$1,760.2 million representing \$1,295.2 million of principal and \$464.9 million of interest (including capital appreciation bonds).

For the fiscal year ending June 30, 2016, the DSC paid for the University's GO-DSC Bonds amounted to \$148.4 million (representing \$97.5 million of principal and \$50.9 million of interest).

As of December 31, 2016, the following graph shows UCONN 2000 GO-DSC debt service by fiscal year including refunding issues, but net of refunded.



DEBT SERVICE: Special Obligation Student Fee Revenue Bonds

The University is responsible for paying the debt service and any arbitrage rebate due on its Special Obligation debt. All other things equal, the Special Obligation bonds incur proportionally more interest expense because they are generally issued for terms of up to approximately thirty years compared to twenty years for the GO-DSC Bonds. The longer term of the bonds (up to 30 years) generally reflects the long term debt cost of the assets financed by the bonds being spread more evenly over the annual benefits received by the student populations utilizing the assets.

As of December 31, 2016:

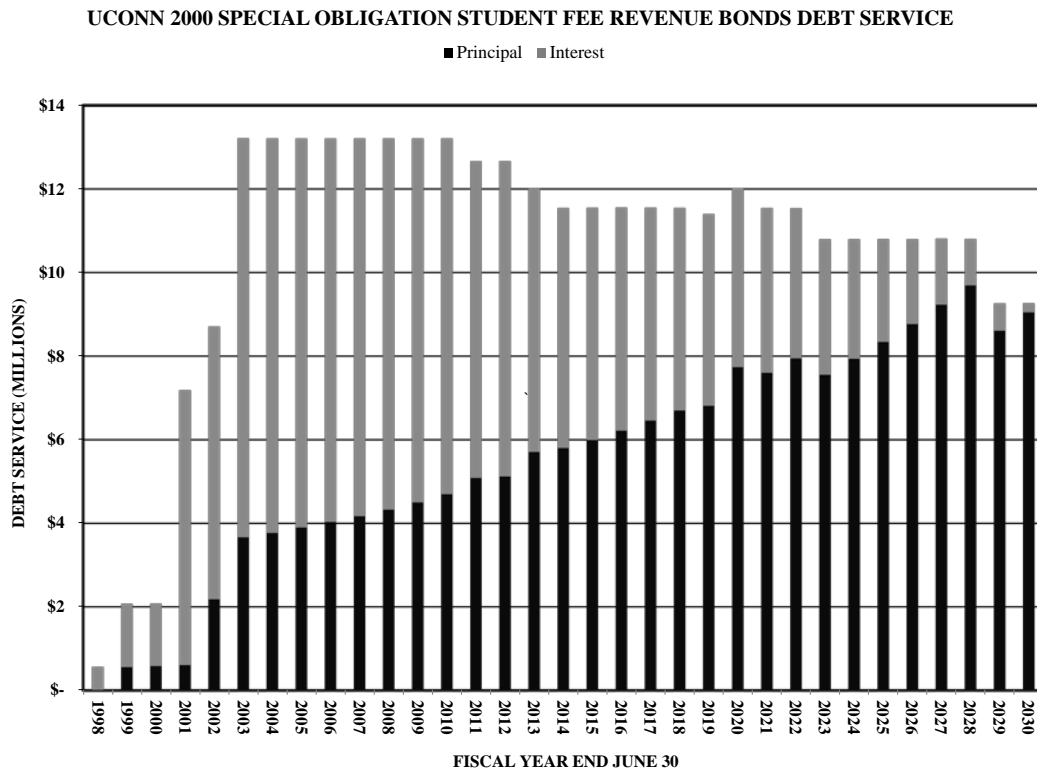
- Total UCONN 2000 SO-SFR debt service (which is paid by the University) amounted to \$351.3 million, representing \$183.3 million of principal and \$168.0 million of interest

(including the SO-SFR Refunding 2002, 2010 and 2012 Series A Bonds but net of refunded debt service).

- Of this amount, the University had paid debt service of \$207.4 million representing \$77.4 million of principal and \$130.0 million of interest.
- Debt service remaining totals \$143.9 million comprising \$ 106.0 million of principal and \$37.9 million of interest (including capital appreciation bonds).

For the fiscal year ending June 30, 2016, the University paid, from its own resources, SO-SFR Bond debt service of \$11.5 million (representing \$6.2 million of principal and \$5.3 million of interest).

As of December 31, 2016, the following graph shows UCONN 2000 SO-SFR Bond debt service by fiscal year including refunding issues, but net of refunded.



DEBT SERVICE: UCONN 2000 Heating Plant Upgrade GLPA

The University is responsible for paying the debt service for the Heating Plant Upgrade Tax-Exempt Governmental Lease Purchase Agreement. Originally there were two financing tranches providing a total of \$81,900,000 of funding for the UCONN 2000 Heating Plant Upgrade the Storrs Campus cogeneration facility for the project on the Storrs Campus. Tax-Exempt Governmental Lease Purchase Agreement debt service payments commenced on January 29, 2006.

Originally debt service was to be paid in 240 monthly installments of approximately \$517,135 (which over the life of the financing would have totaled \$124,112,424 comprising \$42,212,424 of interest and \$81,900,000 of principal).

During July 2013, the University negotiated and amended the agreement to the lower rate of 3.22% providing for the (at that time) remaining 149 monthly installments to be lowered to approximately \$482,448, which over the life of the financing, totals to debt service of \$118,944,031 comprising \$37,044,031 of interest and \$81,900,000 of principal.

During November 2016, the University renegotiated and amended the agreement to a lower interest rate of 2.22% providing for the remaining 79 monthly installments to be lowered to approximately \$461,645.13 effective January 29, 2017. Following this amendment over the life of the financing total debt service now totals \$116,697,331.91 comprising \$34,797,331.91 of interest and \$81,900,000.00 of principal.

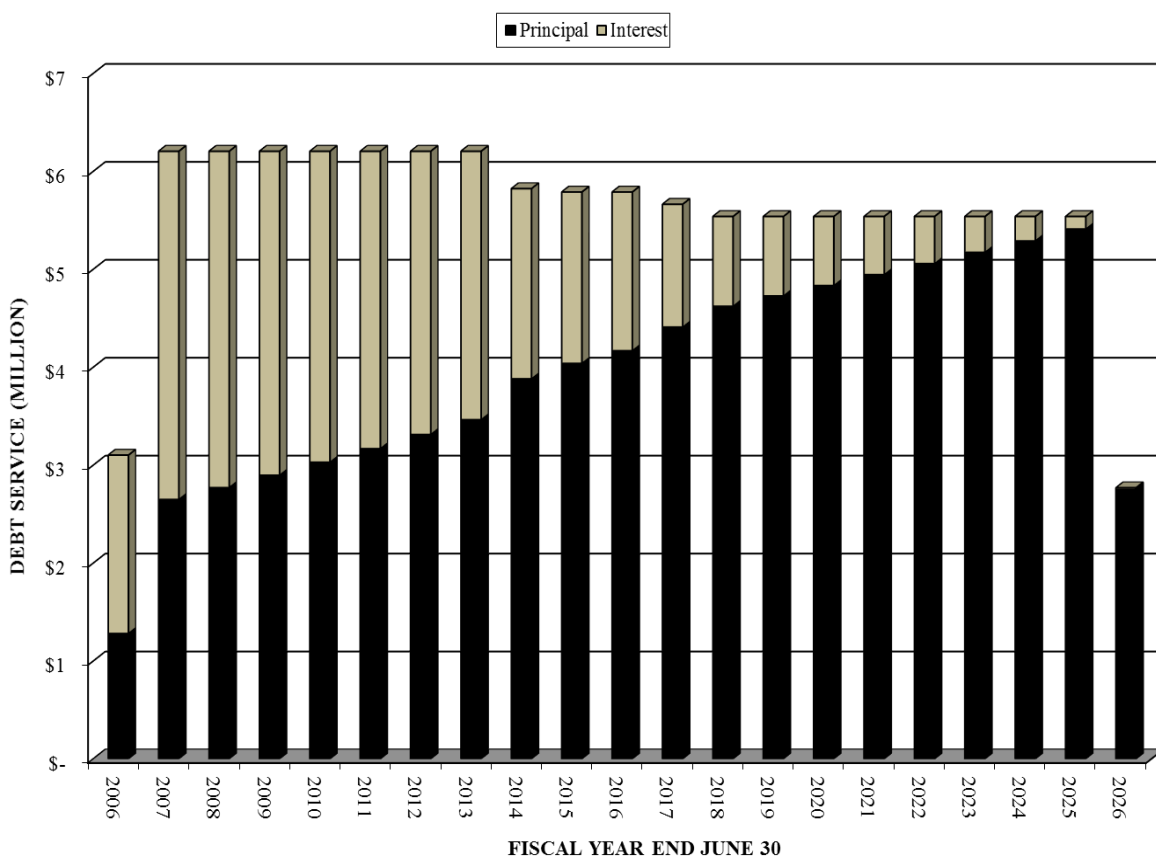
As of December 31, 2016:

- Total UCONN 2000 Heating Plant Upgrade Tax-Exempt Governmental Lease Purchase Agreement debt service (which is paid for by the University) amounted to \$116.7 million representing \$81.9 million of principal and \$34.8 million of interest, (post refinancing to lower rate).
- The University had paid down the Tax-Exempt Governmental Lease Purchase Agreement debt service by \$66.8 million representing \$36.8 million of principal and \$30.0 million of interest.
- Remaining debt service amounts to \$49.9 million representing \$45.1 million of principal and \$4.8 million of interest.

For the fiscal year ending June 30, 2016, the University paid from its own resources Tax-Exempt Governmental Lease Purchase Agreement debt service of \$5.8 million (representing \$4.2 million of principal and \$1.6 million of interest).

As of December 31, 2016, the following graph shows the UCONN 2000 Heating Plant Upgrade Tax-Exempt Governmental Lease Purchase Agreement (for the cogeneration plant) debt service by fiscal year.

UCONN 2000 HEATING PLANT UPGRADE GOV LEASE DEBT SERVICE



DEBT SERVICE: UCONN 2000 Residential Life Facilities (Nathan Hale Inn) Promissory Note (Taxable)

The UCONN 2000 Residential Life Facilities (Nathan Hale Inn) Promissory Note (Taxable) was retired by December 1, 2016. Based on the amortization schedule supplied by Webster Bank as of December 31, 2016:

- Total Residential Life Facilities (Nathan Hale Inn) Promissory Note (Taxable) debt service (which is paid for by the University) amounted to \$5.9 million representing \$5.4 million of principal and \$.5 million of interest,
- The University paid off all of the Residential Life Facilities (Nathan Hale Inn) Promissory Note (Taxable) debt service by December 1, 2016 and the note was retired.

Investment of Debt Proceeds - Management, Investment and Earnings

The proceeds of the sale by the University of any bonds are part of the Trust Estate established under the General Obligation Master Indenture of Trust with the Trustee Bank as security for bondholders. Consequently, the University holds all of the bond proceeds at the Trustee Bank, with this exception: the Costs of Issuance account funded by the University’s GO-DSC Bonds may be held and invested by the State Treasurer’s Office in a segregated account. The Special Obligation Master Indenture has similar Trust Estate provisions. The Trustee Bank holds all of the Special Obligation bond proceeds received at issuance including the Costs of Issuance account.

Prior to June 1998, all UCONN 2000 GO-DSC Bond proceeds were deposited with the Office of the State Treasurer and treated like state bond proceeds, including payments made to vendors through the Office of the State Comptroller. Subsequently, the Office of the Attorney General opined that the University, and not the State, issues UCONN 2000 bonds. Accordingly, upon advice of bond counsel and in conformity with the Master Indenture of Trust, GO-DSC Bond construction fund proceeds were deposited to the Trustee Bank and disbursed as directed by the University pursuant to the Indenture. The UCONN 2000 GO-DSC Bond proceeds for costs of issuance are still treated like State bond proceeds and deposited with the Office of the State Treasurer and disbursed through the Office of the State Comptroller.

The Indentures of Trust provide that the University is authorized and directed to order each disbursement from the Construction Account held by the Trustee upon a certification filed with the Trustee bank and, in the case of the DSC bonds, the State Treasurer. The Indentures provide that such certification shall be signed by an Authorized Officer of the University and include certain disbursement information. Once the Authorized Officer certification filings are made, the University can directly disburse payments.

The investment of tax-exempt debt proceeds is heavily regulated by the Internal Revenue Service, the relevant Indentures of Trust with bondholders, Connecticut law, and other regulatory restrictions. In addition to meeting those requirements, the University's general investment policy is to balance an appropriate risk-return level, heavily weighted towards safety of assets, with estimated cash flow needs and liquidity requirements. The University is also mindful that the rating agencies, bond buyers, and bond insurers often weigh the quality of an issuer's investment portfolio.

Bond proceeds form part of the Trust Estate established with the Trustee Bank as security for bondholders. To date, the University has directed the Trustee Bank to invest any DSC construction fund proceeds in the State Treasurer's Short Term Investment Fund ("STIF") which is "AAAm" rated by Standard and Poor's and offers daily liquidity and historically attractive risk-adjusted yields. The State Treasurer's Office wishes to hold and invest the University's GO-DSC funded Costs of Issuance account, a much smaller account.

The GO-DSC Refunding, 2004, 2006, 2007, 2010, 2011, 2013, 2014, 2015 and 2016 Series A Bond proceeds, other than the costs of issuance, are/were deposited with by the Trustee Bank to immediately redeem bonds or invest in irrevocable escrow funds, which are invested in U.S. Treasury Securities and/or U.S. Treasury State and Local Government Securities ("SLGS") and cash pursuant to the indenture and respective Escrow Agreements.

It has been the University's practice to invest all of the Special Obligation new money bond proceeds, including the debt service funds, in dedicated STIF accounts, with the exception of the 1998 Special Obligation Special Capital Reserve Fund which at times had also been invested in longer term "AAA" rated federal agencies' fixed income Investment Obligations as defined in the Special Obligation Indenture of Trust.

The SO-SFR Refunding 2002, 2010 and 2012 Series A Bond proceeds, other than the costs of issuance and debt service accounts that were invested in STIF, were deposited with the Trustee Bank in their respective irrevocable Escrow Accounts, which were invested in U.S. Treasury State and Local Government Securities ("SLGS"), and cash pursuant to the Escrow Agreement.

The University's GO-DSC Bond proceeds investment earnings are retained and recorded by the State Treasurer's Office and do not flow to the University or to the Trustee Bank. The University's Special Obligation bond investment earnings are part of the pledged revenues and are directly retained by the Trustee Bank to pay debt service on the bonds, and may also be used to flow to other Trustee bond accounts, if necessary, pursuant to the Indenture of Trust. Fiscal year end June 30, 2016, UCONN 2000 SO-SFR Bond funds (not including the refunding escrows) investment earnings amounted to \$1,520.34 (cash basis).

Investment earnings on the SO-SFR Bonds Refunding Escrow Accounts flow to their respective irrevocable escrows and are used by the Trustee Bank to meet debt service payments and redeem the defeased bonds. Similarly, investment earnings on the GO-DSC Refunding Escrow Accounts flow to each respective irrevocable escrows and are used by the Trustee Bank to meet debt service payments and redeem the defeased bonds.

On December 29, 2005, the University received \$15,847,241.65 representing the last advance of the \$81,900,000 of funds to the University under the Tax-Exempt Governmental Lease Purchase Agreement for the Heating Plant Upgrade Cogeneration facility. These funds, and the related investment income, are for uses related to the Cogeneration financing and were deposited in a dedicated STIF account. During December 2006, part of the remaining proceeds, representing the initial December 18, 2003 financing, was yield restricted by investing it in a dedicated Tax Exempt Proceeds Fund. All of the Tax-Exempt Governmental Lease Purchase Agreement proceeds have been spent.

Future UCONN 2000 Debt Issuance

The University has issued the entire \$962 million of UCONN 2000 Phase I & II authorizations for the General Obligation bonds secured by the State's DSC.

UCONN 2000 Phase III, as amended, provides for an additional \$3,320,900,000 of funding with University General Obligation bonds secured by the State's DSC. As of June 30, 2016, \$1,984,400,000 of Phase III has been authorized by the Board of Trustees pending the authorization of the Office of the Governor, of which \$452,400,000 is authorized but unissued. Additionally, during January 2017, the University tentatively plans to issue new money UCONN 2000 GO-DSC Bonds. From time to time, the University might also issue other new money and/or refunding bonds for its General Obligation or Special Obligation bond programs.

At this time there are no Board of Trustee authorizations to issue Special Obligation bonds for UCONN 2000 projects. However, the University has in the past and could again issue Special Obligation securities for certain projects that have a financial self-sufficiency capacity and/or if aggregate pledged revenues are sufficient to meet requirements of the Special Obligation Indenture. Additionally, while there are no new Board of Trustee authorizations at this time, the University could enter into other types of tax-exempt or taxable financings pursuant to the UCONN 2000 Act. Market conditions and other factors could also lead to the issuance of refunding debt for General Obligation, Special Obligation, or other debt in the future.

Credit Ratings

Since the inception of UCONN 2000, the University's bonding program has experienced a favorable credit rating history, including several credit rating upgrades.

The capital markets have recognized the tangible benefits to the state's economy of meeting the infrastructure and educational goals of the program, as well as the University's success in implementing them. A high quality credit rating not only provides the state and the University with less expensive access to the capital markets but also supports the state's quality reputation among investors. A University milestone occurred in 2002 with the achievement of the high-grade "double A" credit-rating category from Moody's Investors Service for both its General Obligation and Special Obligation bonds.

As of December 1, 2016, the UCONN 2000 GO-DSC Bonds were rated "AA-" by Standard & Poor's; "Aa3" by Moody's Investors Service, and "A+" by Fitch Investors Service. It is a strong vote of confidence in the University that Moody's and Standard & Poor's ranks these bonds as high as the State's General Obligation Bonds.

The UCONN 2000 Special Obligation Bonds were rated "AA-" by Standard & Poor's and "Aa2" by Moody's Investors Service. Fitch Investors Service does not have an underlying rating for the University's Special Obligation bonds.

In addition to the underlying credit ratings, in the past municipal bond insurance from FGIC, MBIA and FSA have secured certain maturities of several of the above bond issues. Originally, the insurance provided "AAA" credit ratings. In the past few years the bond insurers experienced a series of downgrades and other changes. At times, this has resulted in the UCONN 2000 bonds underlying credit ratings exceeding the credit ratings for certain bond insurers. As a result, people are advised to check with the credit rating agencies for the most recent bond insurer ratings.

UCONN 2000 Debt Reflected On Audited Financial Statements

UCONN 2000 financings are debt obligations of the University, as the issuer, and are reflected on UConn's financial statements accordingly. For example, the Special Obligation bonds, the Tax-Exempt Governmental Lease Purchase Agreement, and the UCONN 2000 Residential Life Facilities (Nathan Hale Inn) Promissory Note (Taxable) (prior to being paid off and retired on 12-1-2016) debt are shown as liabilities on the University's financial statements and the related capital improvements are shown as assets. The University is the issuer and ultimately responsible for the UCONN 2000 General Obligation Bonds which also fund certain assets at UConn Health, and consequently are also partially reflected on UConn Health's financial statements as further discussed below.

Phase III of the Act authorizes the University to fund projects for the UConn Health with, among other sources, UCONN 2000 GO-DSC Bonds and the University has done so. Accordingly, the UCONN 2000 GO-DSC Phase III project proceeds and any unspent debt proceeds are reflected on both UConn's and UConn Health's financial statements. As bonds are issued, the amount of the commitment for UConn Health is recorded as an offset to revenue on UConn's financial statements in the University's Other Changes in Net Position section of the Statements of Revenues, Expenses, and Changes in Net Position. A corresponding liability is recorded in due to affiliate in UConn's Statement of Net Position for the unspent portion of the bonds due to UConn Health. Correspondingly, UConn Health records that portion of UCONN 2000 bond issuance proceeds for UConn Health in the capital appropriation line in UConn Health's Statements of Revenues, Expenses, and Changes in Net Position. A corresponding receivable is

recorded for the unspent portion of the bonds. The State's DSC for interest on the UCONN 2000 General Obligation bonds is included in Non-Operating Revenues (Expenses) section of the Statements of Revenues, Expenses, and Changes in Net Position.

CONN 2000: Private Financial Support

For fiscal year 2017 the Foundation has a fundraising goal of \$85 million. As of October 31, 2016 the Foundation raised \$17.8 million from 6,229 donors.

Significant Recent Commitments

- An anonymous donor pledged \$2.4 million to the School of Engineering
- John Y, Kim CFA, BUA '87, BUS '16 pledged \$1 million to support scholarships
- Nicholas R. Morizio BUS '74 pledged \$800,000 to support scholarships for School of Business students

CONN 2000 IN CYBERSPACE

Information about UCONN 2000 is available on the World Wide Web via the UCONN 2000 home page. The address: <http://reports.uconn.edu/uconn2000reports/>

The website contains all previous legislative updates to the Governor and the General Assembly (Progress Reports), the four-year Progress Report, the original UCONN 2000 proposal and UCONN 2000 project updates.

FY17 Capital Budget Approved Projects

UCONN 2000 - Storrs & Regional Campuses

<u>Project Name</u>	<u>Phase III - FY17</u>
Academic and Research Facilities	6,476,861
Arjona and Monteith	431,054
Deferred Maintenance/Code Compliance/ADA Compliance/ Infrastructure Improvements & Renovation Lump Sum	57,077,575
Engineering Building	19,344,710
Equipment, Library Collections & Telecommunications	9,000,000
Fine Arts Phase II	4,544,998
Hartford Relocation Acquisition/Renovation	68,424,318
Heating Plant Upgrade	1,806,897
Jorgensen Renovation	200,000
Parking Garage #3	250,000
Residential Life Facilities	11,307,310
Stamford Campus Improvements/Housing	426,277
Subtotal of Storrs & Regional Campuses	\$ 179,290,000

UCONN 2000 - UConn Health

<u>Project Name</u>	<u>Phase III - FY17</u>
Deferred Maintenance/Code/ADA Renovation Sum	2,010,972
Equipment, Library Collections & Telecommunications	2,250,000
Main Building Renovation	22,679,657
Medical School Academic Building Renovation	4,599,988
UCH New Construction and Renovation	29,569,383
Subtotal of UConn Health	\$ 61,110,000

Total UCONN 2000 Bond Funds **\$ 240,400,000**

Other UConn Funds

Energy Services Performance Contract - Phase I	16,452,000
Recreation Center	7,000,000
Residential Life & Dining Services Facility Improvements	4,000,000
Nathan Hale Acquisition	4,700,000
Contingency	2,000,000

Total Other UConn Funds **\$ 34,152,000**

Grand Total FY17 Capital Budget **\$ 274,552,000**

UCONN 2000 Phase III Project List

Draft Phasing Plan for Informational Purposes Only - Revised 10/26/16

PROJECT	FY05-FY16	FY17	FY18-FY24	Total Phase III
Academic and Research Facilities	\$ 16,027,531	\$ 6,476,861	\$ 508,352,304	\$ 530,856,696
Arjona and Monteith (new classroom buildings)	128,087,893	431,054	-	128,518,947
Avery Point Campus Undergraduate & Library Building	10,461,246	-	-	10,461,246
Avery Point Renovation	8,695,227	-	-	8,695,227
Beach Hall Renovations	5,228,972	-	-	5,228,972
Benton State Art Museum Addition	2,903,509	-	-	2,903,509
Biobehavioral Complex Replacement	3,589,141	-	-	3,589,141
Bishop Renovation	2,730,141	-	-	2,730,141
Deferred Maintenance & Renovation Lump Sum-Phase I, II & III	262,362,664	57,077,575	494,966,990	814,407,229
Engineering Building	67,068,837	19,344,710	8,000,000	94,413,547
Equipment, Library Collections & Telecommunications	124,816,496	9,000,000	145,383,812	279,200,308
Family Studies (DRM) Renovation	2,868,306	-	-	2,868,306
Farm Buildings Repairs/Replacement	5,036,397	-	1,371,907	6,408,304
Fine Arts Phase II	6,583,426	4,544,998	16,150,120	27,278,544
Floriculture Greenhouse	6,691,799	-	-	6,691,799
Gant Building Renovations	13,231,018	-	200,000	13,431,018
Gentry Renovation & Completion	9,628,209	-	-	9,628,209
Hartford Relocation Acquisition/Renovation	53,285,681	68,424,318	18,290,001	140,000,000
Heating Plant Upgrade	13,477,000	1,806,897	15,363,000	30,646,897
Intramural, Recreational & Intercollegiate Facilities	31,009,921	-	-	31,009,921
Jorgensen Renovation	3,734,475	200,000	-	3,934,475
Koons Hall Renovation/Addition	1,530,057	-	-	1,530,057
Lakeside Renovation	3,800,000	-	-	3,800,000
Law School Renovations/Improvements	16,766,343	-	-	16,766,343
Manchester Hall Renovation	772,577	-	-	772,577
Mansfield Training School Improvements	3,014,780	-	3,338,051	6,352,831
Natural History Museum Completion	500,000	-	-	500,000
North Hillside Road Completion	8,200,000	-	-	8,200,000
Old Central Warehouse Renovation	126,000	-	-	126,000
Parking Garage #3	75,699	250,000	69,609,927	69,935,626
Psychology Building Renovation/Addition	24,337,399	-	-	24,337,399
Residential Life Facilities	130,522,566	11,307,310	23,977,887	165,807,763
School of Pharmacy/Biology	6,000,000	-	-	6,000,000
Stamford Campus Improvements/Housing	1,107,426	426,277	9,710,000	11,243,703
Storrs Hall Addition	14,664,091	-	-	14,664,091
Student Union Addition	13,000,000	-	-	13,000,000
Support Facility (Architectural & Engineering Services)	16,583	-	-	16,583
Torrey Life Science Renovation & Completion & Biology Expansion	1,530,373	-	12,374,851	13,905,224
Torrington Campus Improvements	369,156	-	-	369,156
Waterbury Downtown Campus	1,858,022	-	-	1,858,022
West Hartford Campus Renovations/Improvements	6,774,305	-	-	6,774,305
Young Building Renovation/Addition	24,140,884	-	-	24,140,884
SUBTOTAL FOR STORRS & REGIONAL CAMPUS	\$ 1,036,621,150	\$ 179,290,000	\$ 1,327,088,850	\$ 2,543,003,000
CLAC Renovation Biosafety Level 3 Lab	16,835,000	-	-	16,835,000
Deferred Maintenance/Code/ADA Renovation Sum-UHC	44,892,867	2,010,972	649,150	47,552,989
Dental School Renovation	3,525,000	-	-	3,525,000
Equipment, Library Collections & Telecommunications-UHC	64,704,390	2,250,000	1,475,000	68,429,390
Library/Student Computer Center Renovation	1,266,460	-	-	1,266,460
Main Building Renovation	97,426,018	22,679,657	-	120,105,675
Medical School Academic Building Renovation	34,447,500	4,599,988	-	39,047,488
Planning & Design Costs	25,000,000	-	-	25,000,000
Research Tower	68,580,997	-	-	68,580,997
Support Building Addition/Renovation	100,000	-	-	100,000
UHC New Construction and Renovation	350,597,618	29,569,383	7,290,000	387,457,001
SUBTOTAL FOR HEALTH CENTER	\$ 777,900,000	\$ 61,110,000	\$ 9,414,150	\$ 777,900,000
GRAND TOTAL	\$ 1,336,503,000	\$ 240,400,000	\$ 1,336,503,000	\$ 3,320,903,000

EXHIBIT C

POLICIES: SELECTION AND ACQUISITION OF PROFESSIONAL SERVICES

Section 10a-109d (5) of the Connecticut General Statutes authorizes the University to contract with professionals to plan, design and supervise UCONN 2000 projects and other capital projects.

1. The Executive Vice President for Administration and Chief Financial Officer has the responsibility for the administration of these policies. Authority for their implementation may be delegated to appropriate operating departments and/or individuals.
2. A selection committee shall be appointed to select professional services for each project in accordance with university policies and procedures.
3. The selection committee shall develop the rating and evaluation criteria.
4. The contract shall be negotiated in consultation with the University Master Planner and Chief Architect or with the Associate Vice President for Campus Planning Design and Construction for the Health Center.
5. Changes in scope that affect the cost of the project must be approved by the Executive Vice President for Administration and Chief Financial Officer, or as delegated to appropriate operating departments and/or individuals.

EXHIBIT D

POLICIES: PRE-QUALIFICATION AND SELECTION OF CONTRACTORS

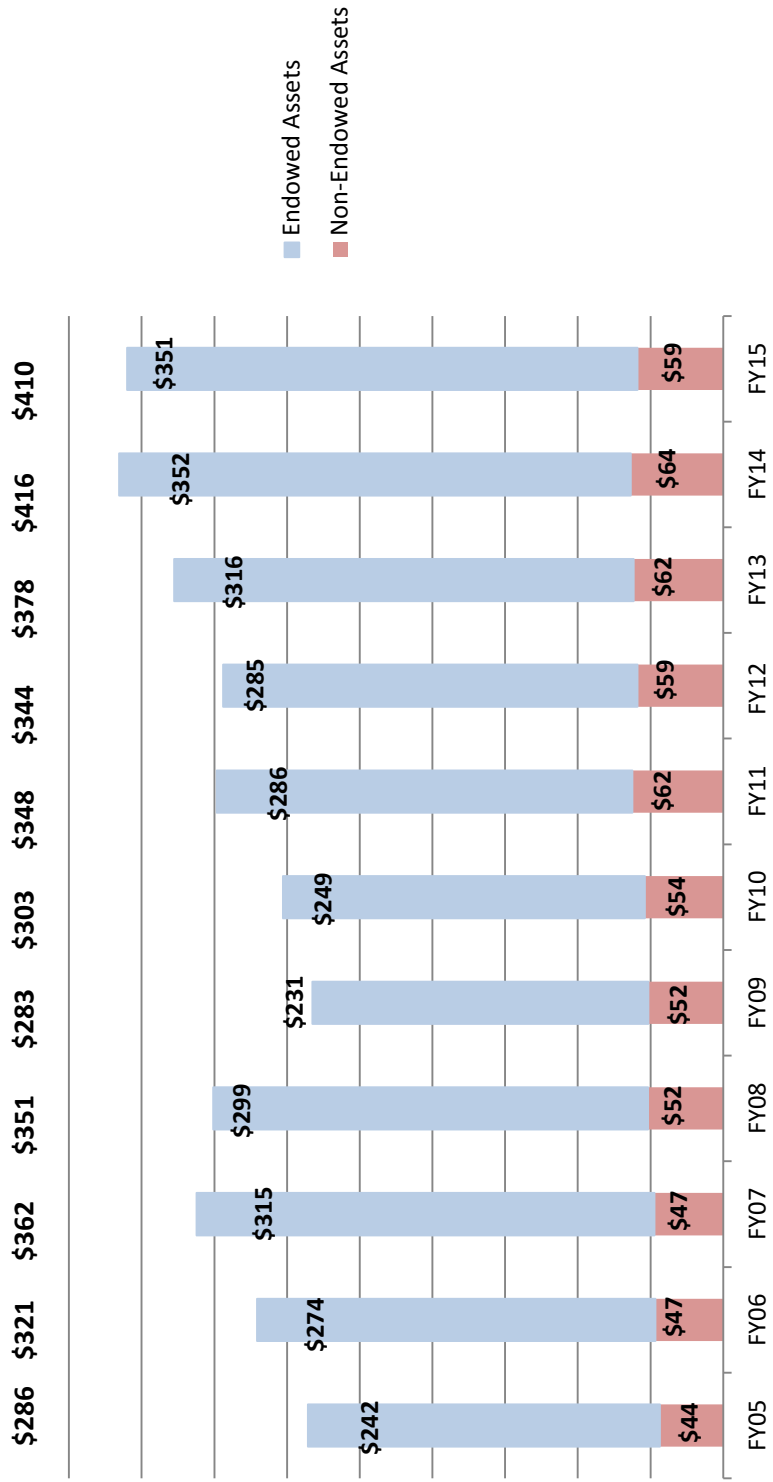
Section 10a-109n (c) (2) of the Connecticut General Statutes authorizes the University to contract with construction firms for the building of UCONN 2000 projects and other capital projects.

1. The Executive Vice President for Administration and Chief Financial Officer has the responsibility for the administration of these policies. Implementing authority may be delegated to appropriate operating departments.
2. Pre-qualification shall be required of all bidders for projects over \$100,000.
3. Objective written criteria for pre-qualification of firms shall be developed.
4. A list of pre-qualified contractors shall be developed on a project basis. Firms will be evaluated on written criteria, including but not limited to: (1) the firm's previous experience with similar projects, (2) the firm's financial ability to complete the project, (3) the firm's ability to post surety bonds, (4) evaluation of the firm's integrity, (5) a determination that the firm has no conflict of interest in connection with the project, (6) technical ability, (7) managerial ability and (8) whether a contractor or one of their subcontractors on one of their previous projects has been in compliance with the provisions of Part III of Chapter 557 and Chapter 558 during the previous five calendar years.
5. Pre-qualified firms shall be invited to bid upon a specific contract. Contracts shall be awarded to the lowest responsible bidder who conforms to the University's standards for the project.
6. If it is in the best interest of the University and the State of Connecticut, all bids may be rejected and the contracting process reopened.
7. The University may negotiate with any pre-qualified contractor that is currently under contract for incorporation work under exigent circumstance. This new work need not be related to the original contract. The new work shall be of a similar nature as the basic contract.
8. Exigent circumstances include work necessary to:
 - a. Prevent loss of grant income or other revenue
 - b. Produce additional revenue or grant income
 - c. Insure renovations are complete for new faculty and staff members
 - d. Provide for safety and health of the University Community
 - e. Comply with any Federal or State laws or regulations

- f. Insure timely and orderly completion of UCONN 2000 or 21st Century UConn Projects.
9. The Executive Vice President for Administration and Chief Financial Officer shall approve use of the exigency provision for an individual job based upon a written recommendation from the University Master Planner and Chief Architect or by the Associate Vice President for Campus Planning Design & Construction as designee for the Health Center
10. The negotiations may be conducted with any contractor or contractors currently performing one of the following types of contracts; lump sum, design build or construction manager at risk.
11. The University Master Planner and Chief Architect or by the Associate Vice President for Campus Planning Design & Construction as designee for the Health Center will prepare a price negotiations memorandum detailing the basis for the award.
12. The Executive Vice President for Administration and Chief Financial Officer shall also stipulate whether the added work shall be incorporated into the contract by change order or be consummated as a new contract.

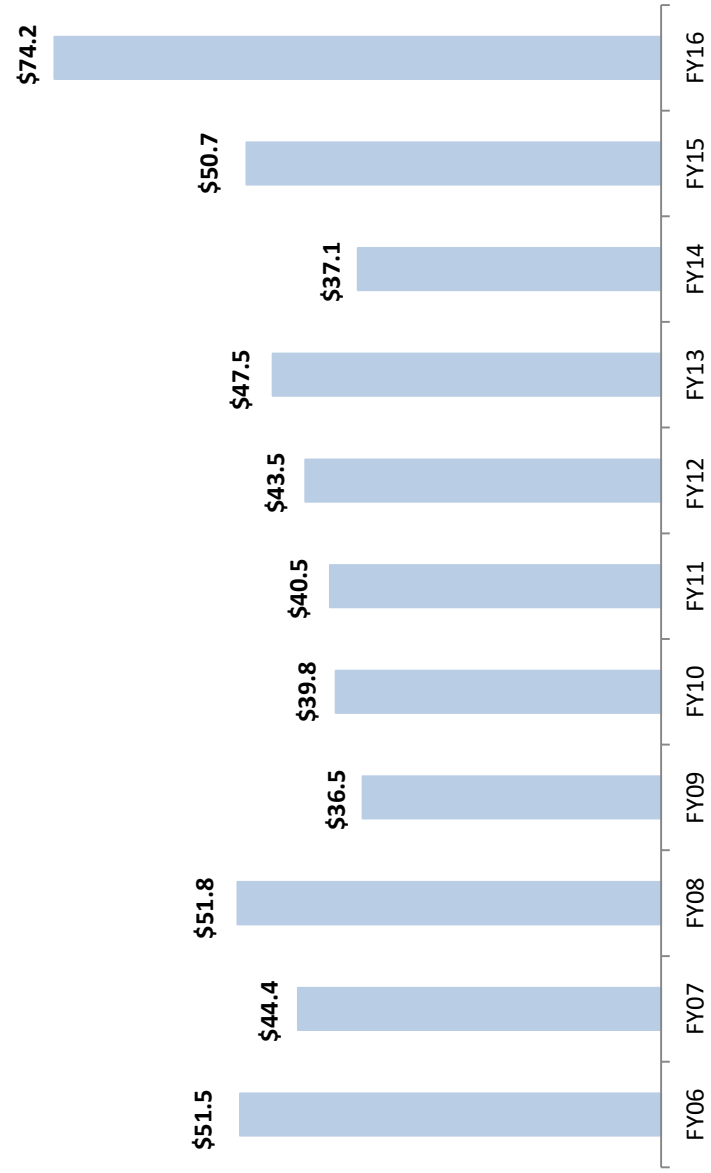
Investment Growth

In Millions of Dollars



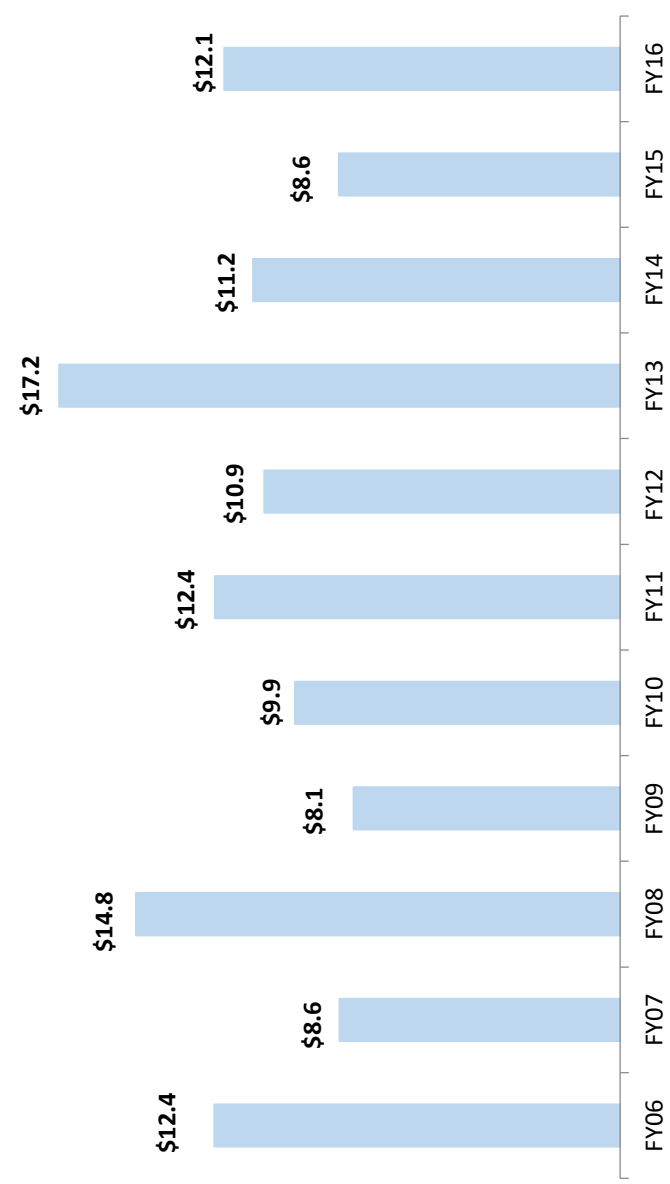
Total Gift Receipts for the University of Connecticut

In Millions of Dollars



Total Endowment Gift Receipts for the University of Connecticut

In Millions of Dollars



PROJECT FUND SOURCES & STATUS: UCONN 2000 - PHASE I

(November 30, 2016)

Project Description	Total Project Funding*	UCONN 2000 DSC Bonds	University Revenue Bonds	Other State Bonds	Federal/Research Funds	Operating Funds	Private Funds	Project Status
Agriculture Biotechnology Facility	\$13,341,445	\$9,400,000		\$2,457,550	\$1,483,895			Complete
Avery Point Marine Science Research Center: Phase I	\$35,531,445	\$30,000,000		\$5,318,000		\$213,445		Complete
Babbidge Library	Project not funded in UCONN 2000.							
Benton State Art Museum Addition	\$2,322,839	\$700,000					\$1,592,526	Complete
Chemistry Building	\$56,862,291	\$53,062,000		\$3,691,144		\$30,313		Complete
Deferred Maintenance & Renovation Lumpsum ^A	\$40,798,260	\$40,798,260				\$109,147		Complete
Equipment, Library Collections & Telecommunications ^A	\$60,500,000	\$60,500,000						Complete
Gant Plaza Deck	\$5,458,000	\$3,516,000		\$1,942,000				Complete
Hartford Relocation Feasibility Study	Project not funded in UCONN 2000.							
Heating Plant Upgrade	\$11,157,272	\$9,969,000		\$700,000		\$488,272		Complete
Ice Rink Enclosure	\$4,044,001	\$3,280,000		\$222,407		\$541,594		Complete
Litchfield Agricultural Center: Phase I	\$1,515,682	\$1,000,000				\$515,682		Complete
Mansfield Apartments Renovation	\$2,784,899	\$2,071,000		\$713,899				Complete
North Superblock Site & Utilities	\$7,668,000	\$7,668,000						Complete
Northwest Quadrant Renovation: Phase I	\$2,001,000	\$2,001,000						Complete
Parking Garage - North	\$9,658,000	\$9,658,000						Complete
Pedestrian Spinepath & Walkways (aka Fairfield Road Pedestrian Mall)	\$6,074,000	\$6,074,000						Complete
School of Business	\$21,059,000	\$19,559,000					\$1,500,000	Complete
School of Pharmacy	\$3,956,000	\$3,856,000		\$100,000				Complete
South Campus Complex	\$48,339,432	\$12,251,000	\$30,000,000	\$2,621,219		\$3,467,213		Complete
Stamford Downtown Relocation: Phase I	\$72,374,188	\$55,781,472		\$14,000,000		\$2,592,716		Complete
Technology Quadrant: Phase IA	\$68,758,146	\$37,903,000		\$2,199,900		\$28,655,246		Complete
Underground Steam & Water Upgrade: Phase I	\$6,000,000	\$6,000,000						Complete
University Programs Building (aka Visitor's Center)	\$1,556,471					\$6,471	\$1,550,000	Complete
Waring Building Conversion	\$916,000	\$916,000						Complete
Waterbury Property Purchase	\$200,000	\$200,000						Complete
White Building Renovation	\$2,641,008	\$2,427,269		\$213,739				Complete
Wilbur Cross Building Renovation	\$3,409,000	\$3,409,000						Complete
Totals	\$488,926,378	\$382,000,000	\$30,000,000	\$34,179,858	\$1,483,895	\$36,620,099	\$4,642,526	

* Reflects project funding received as of November 30, 2016.

^A In some cases, certain projects have been supplemented with other fund sources.

PROJECT FUND SOURCES & STATUS: UCONN 2000 - PHASE II

(November 30, 2016)

Project Description	Total Project Funding*	UCONN 2000 DSC Bonds	University Revenue Bonds	Other State Bonds	Federal/Research Funds	Operating Funds	Private Funds	Project Status
Agricultural Biotechnology Facility Completion	\$13,707,876	\$3,000,000			\$8,676,360	\$2,031,516		Complete
Alumni Quadrant Renovations	\$18,183,624	\$11,183,624	\$7,000,000					Complete
Avery Point Marine Science Research Center: Phase II	\$7,254,246	\$7,254,246						Complete
Avery Point Renovation	\$4,875,717	\$4,875,717						Complete
Business School Renovation: Phase II	\$10,907,241	\$7,958,470				\$270,457	\$2,678,314	Complete
Central Warehouse New	\$10,848,752	\$6,933,752		\$3,915,000				Complete
Deferred Maintenance & Renovation Lumpsum ^A	\$117,386,097	\$117,386,097						Complete
East Campus North Renovations	\$8,382,605	\$7,382,605	\$1,000,000					Complete
Equipment, Library Collections & Telecommunications ^A	\$105,812,000	\$105,812,000						Complete
Gant Plaza Deck	\$3,771,174	\$3,771,174						Complete
Gentry Renovation	\$10,446,418	\$9,664,597				\$723,921	\$57,900	Complete
Grad Dorm Renovations	\$2,928,228	\$2,928,228						Complete
Hilltop Dormitory New	\$21,009,042		\$21,000,000			\$9,042		Complete
Hilltop Dorm Renovations	\$8,456,164	\$8,176,529				\$279,635		Complete
Hilltop Student Rental Apartments	\$42,000,000		\$42,000,000					Complete
International House Conversion (aka Museum of Natural History)	\$886,134	\$886,134						Complete
Mansfield Training School Improvements: Phase II	\$3,500,000	\$3,500,000						Complete
Monteith Renovation	\$444,348	\$444,348						Complete
Music Drama Addition	\$16,784,314	\$7,400,000		\$9,311,618		\$72,696		Complete
North Campus Renovation	\$12,937,389	\$10,996,050				\$1,941,339		Complete
North Campus Renovation (including North Campus Student Suites & Apts)	\$47,150,508		\$45,000,000			\$2,150,508		Complete
Northwest Quadrant Renovation: Phase II	\$30,123,843	\$30,000,000				\$123,843		Complete
Parking Garage - South	\$27,942,928		\$24,000,000			\$3,942,928		Complete
School of Business	\$6,762,725	\$6,093,366				\$218,463	\$450,896	Complete
School of Pharmacy	\$84,753,000	\$84,753,000						Complete
Shippee/Buckley Renovations	\$11,920,000	\$6,920,000	\$5,000,000					Complete
Student Union Addition: Phase II	\$57,141,753	\$44,622,633				\$12,519,120		Complete
Technology Quadrant: Phase IA	\$2,090,000	\$2,090,000						Complete
Technology Quadrant: Phase II	\$34,434,179	\$34,120,000				\$314,179		Complete
Torrey Life Science Renovation & Completion	\$251,109	\$251,109						Complete
Towers Renovation	\$27,378,195	\$17,950,243	\$2,180,000			\$7,247,952		Complete
Towers Renovation (Including Greek Housing)	\$12,704,501	\$0	\$12,000,000			\$704,501		Complete

PROJECT FUND SOURCES & STATUS: UCONN 2000 - PHASE II

(November 30, 2016)

<i>Project Description</i>	<i>Total Project Funding*</i>	<i>UCONN 2000 DSC Bonds</i>	<i>University Revenue Bonds</i>	<i>Other State Bonds</i>	<i>Federal/Research Funds</i>	<i>Operating Funds</i>	<i>Private Funds</i>	<i>Project Status</i>
Underground Steam and Water Upgrade & Completion: Phase II	\$6,000,000	\$6,000,000						Complete
Waring Building Conversion	\$10,536,000	\$10,536,000						Complete
Waterbury Campus Relocation	\$27,238,315			\$22,000,000		\$1,540,999	\$3,697,316	Complete
West Campus Renovations	\$519,507	\$519,507						Complete
Wilbur Cross Renovation	\$16,596,296	\$16,590,571				\$5,725		Complete
Totals	\$824,064,228	\$580,000,000	\$159,180,000	\$35,226,618	\$8,676,360	\$34,096,824	\$6,884,426	

* Reflects project funding received as of November 30, 2016.

^A In some cases, certain projects have been supplemented with other fund sources.

PROJECT FUND SOURCES & STATUS: UCONN 2000 - PHASE III

(November 30, 2016)

Project Description	Total Project Funding*	UCONN 2000 DSC Bonds	University Revenue Bonds	Other State Bonds	Federal/Research Funds	Operating Funds	Private Funds	Project Status
Academic and Research Facilities	\$25,704,392	\$22,504,392				\$3,200,000		Planning/Design/Construction
Arjona & Monteith (new classroom buildings)	\$128,518,947	\$128,518,947						Complete
Avery Point Campus Undergraduate & Library Building	\$10,461,246	\$10,461,246						Complete
Avery Point Renovation	\$9,972,388	\$8,695,227			\$317,584	\$440,867	\$518,710	Phase I Complete; Phase II Demo Underway
Beach Hall Renovations	\$5,228,972	\$5,228,972						Maintenance Underway
Benton State Art Museum Addition	\$2,903,509	\$2,903,509						Complete
Biobehavioral Complex Replacement	\$3,589,141	\$3,589,141						Maintenance Underway
Bishop Renovation	\$2,780,141	\$2,730,141				\$50,000		Complete
CLAC Renovation Biosafety Level 3 Lab - UConn Health	\$17,960,000	\$16,835,000			\$1,125,000			Complete
Deferred Maintenance/Code Compliance/ADA Compliance/ Infrastructure Improvements & Renovation Lump Sum - Storrs & Regionals ^A	\$319,440,239	\$319,440,239						Underway
Deferred Maintenance/Code /ADA Renovation Lumpsum-UConn Health ^A	\$46,903,839	\$46,903,839						Underway
Dental School Renovation-UConn Health	\$3,525,000	\$3,525,000						Complete
Engineering Building	\$86,413,547	\$86,413,547						Construction
Equipment, Library Collections & Telecommunications - Storrs & Regionals ^A	\$133,816,496	\$133,816,496						Underway
Equipment, Library Collections & Telecommunications-UConn Health ^A	\$66,954,390	\$66,954,390						Underway
Family Studies (DRM) Renovation	\$2,868,306	\$2,868,306						Complete
Farm Building Repairs/Replacement	\$5,096,397	\$5,036,397				\$60,000		Phase I Complete; Phase II Planning
Fine Arts Phase II	\$11,128,424	\$11,128,424						Design
Floriculture Greenhouse	\$6,763,950	\$6,691,799				\$72,151		Complete
Gant Building Renovations	\$13,231,018	\$13,231,018						Complete
Gentry Completion	\$9,628,209	\$9,628,209						Complete
Hartford Relocation Acquisition/Renovation	\$121,709,999	\$121,709,999						Design/Construction
Heating Plant Upgrade (aka Cogeneration Chiller Facility) ^B	\$97,183,897	\$15,283,897	\$81,900,000					Construction
Intramural, Recreational & Intercollegiate Facilities	\$59,101,958	\$31,009,921				\$14,751,806	\$13,340,231	Complete
Jorgensen Renovation	\$3,934,475	\$3,934,475						Maintenance Underway
Koons Hall Renovation/Addition	\$1,530,057	\$1,530,057						Maintenance Underway
Lakeside Renovation	\$5,235,200	\$3,800,000				\$1,435,200		Complete
Law School Renovations/Improvements	\$24,909,357	\$16,766,343		\$7,980,240		\$162,774		Maintenance Underway
Library/Student Computer Center Renovation-UConn Health	\$1,416,911	\$1,266,460					\$150,451	Complete
Main Building Renovation-UConn Health	\$121,423,178	\$120,105,675				\$1,102,000	\$215,503	Construction

PROJECT FUND SOURCES & STATUS: UCONN 2000 - PHASE III

(November 30, 2016)

Project Description	Total Project Funding*	UCONN 2000 DSC Bonds	University Revenue Bonds	Other State Bonds	Federal/Research Funds	Operating Funds	Private Funds	Project Status
Manchester Hall Renovation	\$772,577	\$772,577						Maintenance Underway
Mansfield Training School Improvements	\$3,014,780	\$3,014,780						Maintenance Underway
Medical School Academic Building Renovation-Health Center	\$39,747,488	\$39,047,488				\$700,000		Construction
Natural History Museum Completion	\$999,669	\$500,000					\$499,669	Complete
North Hillside Road Completion	\$20,365,000	\$8,200,000		\$6,339,287	\$5,825,713			Construction
Old Central Warehouse	\$126,000	\$126,000						Withdrawn
Parking Garage #3	\$325,699	\$325,699						Planning
Planning & Design Costs (UCH)	\$25,000,000	\$25,000,000						Underway
Psychology Building Renovation/Addition	\$24,337,399	\$24,337,399						Complete
Research Tower-UConn Health	\$69,130,997	\$68,580,997				\$550,000		Phase I & II Complete
Residential Life Facilities	\$159,984,778	\$141,829,876				\$18,154,902		Design/Construction
School of Pharmacy/Biology Completion	\$6,000,000	\$6,000,000						Complete
Stamford Campus Improvements	\$1,635,381	\$1,533,703				\$101,678		Maintenance Underway
Storrs Hall Addition	\$14,839,362	\$14,664,091				\$175,271		Complete
Student Union Addition	\$13,000,000	\$13,000,000						Complete
Support Building Addition/Renovation-UConn Health	\$100,000	\$100,000						Withdrawn
Support Facilities (Architectural & Engineering Services)	\$16,583	\$16,583						Complete
Technology Quadrant: Phase III	\$163,160,713			\$163,160,713				Construction
Torrey Renovation Completion & Biology Expansion	\$1,530,373	\$1,530,373						Maintenance Underway
Torrington Campus Improvements	\$369,156	\$369,156						Complete
Waterbury Downtown Campus	\$3,508,022	\$1,858,022				\$1,150,000	\$500,000	Phase I Complete; Phase II Underway
West Hartford Campus Renovations/ Improvements	\$7,124,305	\$6,774,305				\$350,000		Complete
Young Building Renovation/Addition	\$24,660,827	\$24,140,884				\$350,000	\$169,943	Maintenance Underway
UCH New Construction and Renovation	\$392,415,001	\$380,167,001				\$9,956,375	\$2,291,625	Construction
Totals	\$2,321,497,694	\$1,984,400,000	\$81,900,000	\$177,480,240	\$7,268,297	\$52,763,024	\$17,686,132	

* Reflects project funding received as of November 30, 2016.

^A In some cases, certain projects have been supplemented with other fund sources.

^B Funded through a Tax Exempt Lease.

PREVAILING WAGE COMPLIANCE REPORT

The attachments referred to below cover the reporting period from July 1, 2016 thru December 31, 2016 and are issued pursuant to the requirements of subsection (f) of section (7) of Public Act 02-3, an Act Concerning 21st Century UCONN, by providing the following information:

(1) The names and addresses of contractors and subcontractors performing repair, addition, alteration and new construction on the university's campuses in the previous six months.

Attachment A provides the listing in alphabetical order. This is being filed in conjunction with the January 1, 2017 Report Number Forty-three to provide a consolidated report for UCONN 2000 activities. There is no sub-grouping of contractors or subcontractors as the nature of their business makes each interchangeable with the other as business opportunities become available.

Attachment B is based on information from the State of Connecticut Department of Labor, Wage and Workplace Standards Division, Contract Compliance Unit and represents a combined sharing of information by the University of Connecticut and the Department of Labor. No report is made from the Department of Labor, for this reporting period.

Attachment C is the Debarment list issued by the Department of Labor.

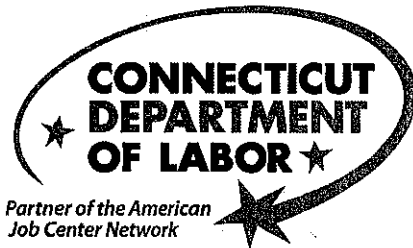
COMPANY NAME	ADDRESS 1	ADDRESS 2	CITY	STATE	ZIP CODE
AAIS Corporation	802 Boston Post Road	PO Box 26066	West Haven	CT	06516
Acme Lightning Rod, LLC	8 Peters Road		Bloomfield	CT	06002
ACME Lightning Rod, LLC	8 Peters Road		Bloomfield	CT	06002
Action Air Systems Inc	131 Adams Street		Manchester	CT	06042
Action Steel, LLC	55 Airport Road		Hartford	CT	06114
Advantage Equipment and Construction Services	14A Commerce Circle		Madison	CT	06443
Air Balancing Service Company	7 Corporate Drive, U-109-110		North Haven	CT	06473
Air Temp Mechanical Services, Inc	360 Captain Lewis Drive		Southington	CT	06489
All State Construction, Inc	449 Cooke Street	PO Box 805	Farmington	CT	06032
All-Phase Enterprises, Inc	191 West Stafford Road	PO Box 6	Stafford Springs	CT	06076
American Masons and Building Supply Company	325 Main Street		Hartford	CT	06143
Anderson Electrical Contractors, Ltd	55 Airport Road, Suite 101		Hartford	CT	06114
Artisan Plaster & Restoration LLC	17 Konstin Place		New Britain	CT	06051
Atlantic Masonry Products Corporation	67 Quinpiac Avenue		North Haven	CT	06473
Atlantic Ventilating & Equip Co Inc	125 Sebethe Drive		Cromwell	CT	06416
Barber Firestop System, LLC	175 Englewood Drive		Orange	CT	06477
Beacon Light & Supply Company	180 Walnut Street		Hartford	CT	06120
Beaulieu Company, LLC	132 Pine Street		Manchester	CT	06040
Butler Woodcrafters Inc	1381 Brickyard Street		Lawrenceville	VA	23868
BVH Integrated Services	50 Griffin Road, South		Bloomfield	CT	06002
C&A Distributors, Inc	595 Church Street		Newington	CT	06111
C&C Mechanical Insulation, LLC	300 Front Avenue		West Haven	CT	06516
Capasso Restoration, Inc	39 Sugar Hill Road		North Haven	CT	06473
Capitol Glass Company Inc	75 Grassmere Avenue		West Hartford	CT	06110
Carlin Construction Company, LLC	5 Shaws Cove #103		New London	CT	06320
Chase Glass Company, Inc	73-75 James Street		East Hartford	CT	06108
Commercial Roofing & Contracting Inc	340 Kennedy Drive		Putnam	CT	06260
Commercial Storefront Services, Inc	1265 John Fitch Boulevard		South Windsor	CT	06074
Construction Labor Unlimited	880 Canal Street		Stamford	CT	06905
Costa & Sons, LLC	18 Griffin Road		Broad Brook	CT	06016
CT Drywall Finishing Inc	900 Riverdale Street		West Springfield	MA	01089
CT Paving	145 Dividend Road #8		Rocky Hill	CT	06067
CT Rebar Installers	78 Spencer Avenue		Guilford	CT	06437
Custom Electric, Inc	52 Main Street		Manchester	CT	06042
Daniel's Caulking, LLC	46 Kennedy Road Unit 5		South Windsor	CT	06074
Dicin Electric Company, Inc	156 Cross Road		Waterford	CT	06385
Downes Construction Company, LLC	200 Stanley Street		New Britain	CT	06051

DRVN Enterprises, Inc	969 Cloverdale Circle			Wethersfield	CT	06109
Eagle Fence & Guardrail Construction, Inc	56 South Canal Street	PO Box 7077		Plainville	CT	06062
East Coast Interiors, LLC	105B Day Street			Newington	CT	06111
Eastern Energy Services, LLC	15 Wisconsin Avenue #1			Norwich	CT	06360
EDI Landscape, LLC	32 Belmont Street			Hartford	CT	06489
Electrical Contractors, Inc	3510 Main Street			Hartford	CT	06120
Electrical Energy Systems Corporation Voice & Data, LLC	215 Captain Lewis Drive			Southington	CT	06489
Electrical Power Solutions, LLC	39 Ledger Street			Hartford	CT	06106
Electronic Security & Control System	108 Evergreen Street			Bridgeport	CT	06606
Enfield Builders, Inc	1654 King Street	PO Box 1201		Enfield	CT	06083
Environmental Services Inc	90 Brookfield Street			South Windsor	CT	06074
Environmental Systems Corporation	18 Jansen Court			West Hartford	CT	06110
Environmental Testing & Balancing, Inc	154 State Street, Suite 208			North Haven	CT	06473
Erection & Welding Contractors, LLC	190 New Park Drive			Berlin	CT	06037
Ernest Peterson, Inc	1830 Broad Street			Hartford	CT	06114
F Capasso & Sons	1003 Middletown Avenue			Northford	CT	06472
Fibre Optics Plus, Inc	302 Adams Street			Manchester	CT	06042
Flowtech, Inc	10 Bidwell Road	PO Box 397		South Windsor	CT	06074
Fly on the Wall Productions	46 Miamis Road			West Hartford	CT	06117
Fusco Corporation	555 Long Wharf Drive #14			New Haven	CT	06511
G Donovan Associates, Inc	627 Route 32, North Franklin, CT	PO Box 249		Lebanon	CT	06249
General Welding & Fabrication, Inc	977 Echo Lake Road			Watertown	CT	06795
Gerber Construction, Inc	1 Nutmeg Drive			Ellington	CT	06029
Gilbane Building Company	208 New London Turnpike			Glastonbury	CT	06033
Giordano Construction Company, Inc	175 North Main Street			Branford	CT	06405
GL Capasso Inc	34 Lloyd Street			New Haven	CT	06513
Greenmaker Industries of Connecticut, LLC	697 Oakwood Avenue			West Hartford	CT	06110
Greenwood Industries, Inc		PO Box 2800		Worcester	MA	01603
Greenwood Industries, Inc		PO Box 2800		Worcester	MA	01603
Hartford Painting Company, LLC	55 Timber Lane			Avon	CT	06001
Haz-Pros, Inc	125-A Brook Street			West Hartford	CT	06110
HB Communications, Inc	60 Dodge Avenue			North Haven	CT	06473
Horizon Services Corporation	250 Governor Street			West Hartford	CT	06108
Independent Hardware, Inc	14 South Front Street			Philadelphia	PA	19106
J Biron Agency, LLC	1 Forest Park Drive			Farmington	CT	06032
John C Digeritt Inc	264 Main Street			Rockfall	CT	06481
John Paul Garcia & Associates, PC	190 Fairwood Road			Bethany	CT	06524
Julian Crane	330 Pleasant Street			Watertown	MA	02472

Kamco Supply Corporation of New England	2 Barnes Industrial Road South		Wallingford	CT	06492
KBE Building Corporation	742 Upper Maple Street		Danielson	CT	06239
Keeney Rigging & Trucking Company, Inc	180 Oakwood Drive		Glastonbury	CT	06033
Kelly Steel, LLC	22 Columbia Street		Hartford	CT	06106
Kim Industries, Inc	34 Mill Plain Road, #2D		Danbury	CT	06811
Kronenberger & Sons Restoration, Inc	175 Industrial Park Road		Middletown	CT	06457
Langan Insulation LLC	420 Sackett Point Road, #4a		North Haven	CT	06473
LaRosa Building Group LLC	163 Research Parkway		Meriden	CT	06450
Life Safety Service & Supply	325 Sandbank Road, Units 11 & 12		Cheshire	CT	06410
LK Sheet Metal, Inc	35 Wrobel Place		East Hartford	CT	06108
LPI East, LLC	100 Pearl Street #14		Hartford	CT	06103
Lupachino & Salvatore, Inc	15 Northwood Drive		Bloomfield	CT	06002
M Brett Painting Company, Inc	458 Shore Road		Old Lyme	CT	06371
M Frank Higgins & Company Inc	780 North Mountain Road		Newington	CT	06111
Mackenzie Painting Company	60 Mead Street		Stratford	CT	06615
Mackenzie Service Corporation	55 Moffitt Street		Stratford	CT	06615
Massey Architectural Systems, LLC	750 East Main Street #2		Branford	CT	06405
Mather Corporation	21 West Dudley Town Road		Bloomfield	CT	06002
Mattern Construction Inc	26 Bushnell Hollow Road #M		Baltic	CT	06330
Mazzotta Rentals, Inc	77 Boston Road		Middletown	CT	06457
McBride Wayside Carpet	3153 Berlin Turnpike #1		Newington	CT	06111
MCM Acoustics	151 New Park Avenue, #76		Hartford	CT	06106
McPhee Electric Limited, LLC	505 Main Street		Farmington	CT	06032
Milone & MacBroom, Inc	1350 Main Street		Springfield	MA	01103
Milton C Beebe & Sons, Inc	12 Beebe Lane		Storrs	CT	06268
Ms Pipe, LLC	1750 Ellington Rd Bldg 3		South Windsor	CT	06074
Network Installation Services, Inc	192 North Plains Industrial Road		Wallingford	CT	06492
New Boston Pump Service Inc	6 Raymond Avenue #1		Salem	NH	03079
New England Masonry & Roofing Company	146 Sheridan Drive		Naugatuck	CT	06770
New England Mechanical Services Inc	166 Tunnel Road		Vernon	CT	06066
Northeast Lightning Protection, LLC	10 Peters Road		Bloomfield	CT	06002
Northeast Printing Network, LLC	135 Sebethe Drive, Suite 8		Cromwell	CT	06416
Norwalk Glass Company, Inc	326 Main Avenue		Norwalk	CT	06851
NT Oliva, Inc	89 Church Street		East Hartford	CT	06108
O&G Industries, Inc	260 Murphy Road		Hartford	CT	06114
Offshore Construction, Inc	280 Hartford Road		Manchester	CT	06040
OnSite Services, Inc	23 Meadow Road		Clinton	CT	06413
Opticom, Inc	17 Sand Hill Road		Portland	CT	06480

Otis Elevator Company	10 Farm Springs Road		Farmington	CT	06032
Overhead Door Company of Norwich	88 Poquetanuck Road		Preston	CT	06365
Park Hardware Company, Inc	415 Park Street		Hartford	CT	06106
PGP Group, LLC (dba Atlas Companies)	30 Northeast Industrial Road		Branford	CT	06405
Prime Electric, LLC	33 Wisconsin Avenue #101		Norwich	CT	06360
R A Novia & Associates, LLC	355 Highland Avenue #102		Cheshire	CT	06410
R H White Construction Company, Inc	41 Central Street		Auburn	MA	01501
RLG Floor Covering, LLC	97 Seaman Circle		Manchester	CT	06040
Roadstone Construction, LLC	2 Eastview Terrace		Rocky Hill	CT	06067
Roof Design & Inspection, Inc	1115 Tucker Road		North Dartmouth	MA	02747
Rowe Enterprises, LLC	One Regency Drive Suite 310		Bloomfield	CT	06002
Sarazin General Contractors, Inc	6 Commerce Drive		North Windham	CT	06256
Schneider Electric Buildings	1650 West Crosby Road		Carrollton	TX	75006
Seismic Control Products, LLC	61 Main Street, Suite D		Hebron	CT	06248
Shawmut Design & Construction	116 Washington Avenue #2		North Haven	CT	06473
Sign Pro Inc	168 Stanley Street		New Britain	CT	06051
Sil/Carr Corporation	34 Newberry Road		East Windsor	CT	06088
Silktown Roofing, Inc	151 Water Street		Derby	CT	06418
Simplex Grinnell, LP	80 Clark Drive, Unit 5-D		East Berlin	CT	06023
Siracusa Moving & Storage, Inc	250 Commerce Circle		New Britain	CT	06051
Skanska USA Building, Inc	545 Long Wharf Drive		New Haven	CT	06511
Sound Room Solutions, Inc	40 Glen Street, Suite #4		Glen Cove	NY	11542
Southern NE Electrical Testing	3 Buel Street #2		Wallingford	CT	06492
Standard Builders, Inc	52 Holmes Road		Newington	CT	06111
Standard Demolition Services, Inc	555 Bostwick Avenue		Trumbull	CT	06611
Swan Associates, Inc	49 Holly Drive		Newington	CT	06111
T Keefe & Son, LLC	1790 Little Meadow Road		Guilford	CT	06437
Terracon Consultants, Inc	201 Hammer Mill Road		Rocky Hill	CT	06067
Test-Con, Inc	16 East Franklin Street		Danbury	CT	06810
The Associated Construction Company	1010 Wethersfield Avenue, #304		Hartford	CT	06114
The Hartford Lumber Company	17 Albany Avenue		Hartford	CT	06120
The Jack Farrelly Company	97 Old Poquonock Road		Bloomfield	CT	06002
The John Boyle Company, Inc		PO Box 397	New Britain	CT	06050
Transfer Enterprises, Inc	140 Progress Drive		Manchester	CT	06042
Tri State Materials Testing Lab, LLC	160 South Turnpike Road, Suite 3		Wallingford	CT	06492
Triad Construction Services, LLC	285 State Street #12		North Haven	CT	06473
Turnbridge Construction	130 Welton Street		Hamden	CT	06511
Vibra-Conn, Inc	49 Center Street		Winsted	CT	06098

Whitehawk Construction Services, LLC	50 Albany Turnpike	Canton	CT	06019
Whiting-Turner Contracting Company	395 West Street	Rocky Hill	CT	06067
Wiese Construction	282 Franklin Street	Norwich	CT	06360-4556



December 22, 2015

State of Connecticut Debarment List Pursuant to Section 31-53a(a)

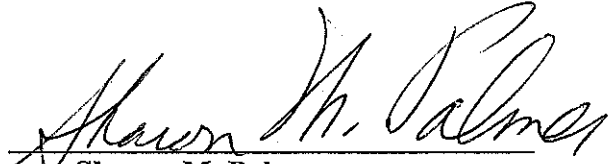
No contract shall be awarded to any person or firms appearing on this list or to any firm, corporation, partnership, or association in which such persons or firms have an interest until the expiration date listed has elapsed.

Please be informed that the following persons or firms have been debarred in accordance with Section 31-53a of the Connecticut General Statutes, as amended:

DEBARMENT LIST

<u>Name of Person or Firm</u>	<u>Expiration Date</u>
-Canterbury Communications, Canterbury Marion T. Mershon, an individual	Indefinite Indefinite
-City Electrical Enterprises LLC, Hartford Lloyd Thompson, an individual	Indefinite Indefinite
-Elite Roofing, Cheshire Sam Stevens, an individual	Indefinite Indefinite
-Gatollari Enterprises Inc., Rochelle Park, NJ Robert Gatollari, an individual	Indefinite Indefinite
-Greenland Enterprises Inc., Wayne, NJ Oneil Mendez, an individual Raymond Blum-Romero, an individual	Indefinite Indefinite Indefinite
-Jarosz Welding Company Inc., Hartford Andrew W. Jarosz, an individual	Indefinite Indefinite
-SCD Services, LLC, Somers Philip Snow, an individual	Indefinite Indefinite
-Seakco Construction, Stamford Robert Evans, an individual	Indefinite Indefinite
-Sun Ray Electric, Prospect Reinaldo DeSousa, an individual	Indefinite Indefinite
-T&T Electrical Contractor's Inc., Hartford Gerald T. Beaudoin III, an individual William Torpey, an individual Morgan J. Beaudoin, an individual	Indefinite Indefinite Indefinite Indefinite

Any inquiries regarding this list should be directed to the Wage and Workplace Standards Division at (860)263-6790.


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 Labor Commissioner

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