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2014 June 25 -- Agenda and Attchments

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UConn

UNIVERSITY OF CONNECTICUT



Board of



TRUSTEES

VOL. 140 JUNE 25, 2014

**MEETING OF THE BOARD OF TRUSTEES
UNIVERSITY OF CONNECTICUT**

AGENDA

University of Connecticut
Rome Commons Ballroom
South Campus Complex
Storrs, Connecticut

June 25, 2014

BOARD OF TRUSTEES SCHEDULE OF THE DAY

8:00 a.m.	Committee on Compensation Special Meeting (Portico)
9:00 a.m.	Academic Affairs Committee Meeting
9:15 a.m.	Buildings, Grounds & Environment Committee Special Meeting
9:30 a.m.	Financial Affairs Committee Meeting (Budget Workshop)
11:30 a.m.	Board of Trustees Meeting

BOARD MEETING AGENDA

Call to order at **11:30 a.m.**

1. Public Participation
2. Chairman's Report
 - (a) Matters outstanding
 - (b) Board recognition
 - (c) Minutes of the meetings of April 23 and June 3, 2014
 - (d) Consent Agenda Items:
 - (1) Contracts and Agreements for the Storrs-based Programs (Attachment 1)
 - (2) Promotion and Tenure (Attachment 2)
 - (3) Designation of Emeritus Status (Attachment 3)
 - (4) Sabbatical Leave Recommendations (Attachment 4)
 - (5) Appointment of Dr. Anjana Bhat to the Livieri Physical Therapy Professorship in the Neag School of Education (Attachment 5)
 - (6) Digital Marketing and Analytics Major at the Stamford Campus in the School of Business (Attachment 6)
 - (7) Master of Science in Human Resource Management in the School of Business (Attachment 7)
 - (8) Advanced Business Certificate in Human Resource Management in the School of Business (Attachment 8)
 - (9) Certificate Program in Holistic Nursing (Attachment 9)
 - (10) Re-appointment of Board Representative to the Connecticut Agricultural Experiment Station Board of Control (Attachment 10)
 - (11) Agreement between the Law School Foundation and the University of Connecticut (Attachment 11)
3. President's Report

4. Academic Affairs Committee Report
 - (a) Report on Committee activities
5. Financial Affairs Committee Report
 - (a) Report on Committee activities
 - (b) Items requiring Board discussion and approval:

Budget Items (Storrs-based and UConn Health):

 - (1) Master Agreement and Statement of Work between the University of Connecticut Foundation and the University of Connecticut for Fiscal Year 2015 (Attachment 12)
 - (2) Revised Spending Plan for Fiscal Year 2015 for the University of Connecticut, Storrs and Regional Campuses (Attachment 13)
 - (3) Spending Plan for Fiscal Year 2015 for UConn Health (Attachment 14)
 - (4) State Appropriation Request for the Biennium Fiscal Years 2016 and 2017 for the University of Connecticut, Storrs and Regional Campuses (Attachment 15)
 - (5) State Appropriation Request for the Biennium Fiscal Years 2016 and 2017 for UConn Health (Attachment 16)
 - (6) UCONN 2000 Fiscal Year 2015 Capital Budget (Attachment 17)
 - (7) Fiscal Year 2015 Deferred Maintenance/Code/ADA Renovation Lump Sum Project List (Attachment 18)

Bond Allocation:

 - (8) Twentieth Supplemental Indenture Authorizing University of Connecticut General Obligation Bonds (Attachment 19)

Project Budgets (Storrs-based):

 - (9) Project Budget (Revised Planning) for Academic and Research Facilities – Main Accumulation Areas for Regulated Wastes (Attachment 20)
 - (10) Project Budget (Revised Planning) for Arjona and Monteith – Monteith Renovations (Attachment 21)
 - (11) Project Budget (Revised Planning) for Heating Plant Upgrade – Power System (Attachment 22)
 - (12) Project Budget (Design) for Heating Plant Upgrade – Upgrade Chilled Water System (Attachment 23)
 - (13) Project Budget (Final) for Fats, Oils and Grease (FOG) Compliance – Phase I (Attachment 24)
 - (14) Project Budget (Final) for fMRI – Acquisition and Installation (Attachment 25)
 - (15) Project Budget (Final) for Main Water Line Replacement – Phase I (Attachment 26)
 - (16) Project Budget (Final) for OSFM Code Remediation Babbidge Library Emergency Lights (Attachment 27)
 - (17) Project Budget (Final) for UCONN 2000 Code Remediation: Alumni Quad (Attachment 28)
 - (18) Project Budget (Final) for UCONN 2000 Code Remediation: Starr Hall (Law School) (Attachment 29)

Project Budgets (UConn Health):

- (19) Project Budget (Design) for the UConn Health Research Tower – Incubator Lab Addition to the Cell and Genome Sciences Building (Attachment 30)
- (20) Project Budget (Final) for the UConn Health 195 Farmington Avenue Renovation (Attachment 31)
- (c) Informational item:
 - (1) UCONN 2000 Book 38
<http://uc2000.uconn.edu/reports/report38/report38.pdf>
- 6. Health Center Report
 - (a) Report on Health Center activities
- 7. Joint Audit and Compliance Committee Report
 - (a) Report on Committee activities
- 8. Buildings, Grounds and Environment Committee Report
 - (a) Report on Committee activities
 - (b) Presentation: University Master Plan
 - (c) Items requiring Board discussion and approval:
 - (1) Environmental Impact Evaluation – Engineering and Science Building (Separate cover)
 - (2) Environmental Impact Evaluation – Science Technology Engineering and Math (STEM) Residence Hall, Storrs, CT (Separate cover)
- 9. Construction Management Oversight Committee Report
 - (a) Report on Committee activities
- 10. Student Life Committee Report
 - (a) Report of Committee activities
- 11. Institutional Advancement Committee Report
 - (a) Report on Committee activities
 - (b) Item requiring Board discussion and approval:
 - (1) Memorandum of Understanding between the University of Connecticut and the University of Connecticut Alumni Association (Separate cover)
 - (c) Informational item:
 - (1) UConn Foundation Report (Attachment 32)
- 12. Committee on Compensation Report
 - (a) Report on Committee activities
- 13. Other business
- 14. Executive Session anticipated.
- 15. Adjournment

PLEASE NOTE: *If you are an individual with a disability and require accommodations, please call the Board of Trustees Office at (860) 486-2333 prior to the meeting.*

ATTACHMENT 1

CONTRACTS AND AGREEMENTS
FOR APPROVAL
June 25, 2014

PROCUREMENT - NEW

JANITORIAL SERVICES

No.	Contractor	Contract No.	Approval Amount	Term	Fund Source	Program Director	Purpose
1	GCA Services Group, Inc.	UC-08-KJ120707-1	\$4,058,772	07/1/14-12/31/14	Operating Fund - General	Michael Jednak, Associate Vice President Facilities Operations and Building Services	Custodial services at the Storrs and Depot campuses. Zero (0) options to extend.

PROFESSIONAL EDUCATION SERVICES

No.	Contractor	Contract No.	Approval Amount	Term	Fund Source	Program Director	Purpose
1	Academic Centers Abroad, LLC	SS051413	\$1,601,933	09/01/14-08/31/15	Auxiliary Services	Kevin Brennan, PhD, Executive Program Director, Office of Global Affairs - Study Abroad	Tuition, accommodations, visa and other immigrations documentation, emergency phone line, and other services for up to 81 students participating in the University's study abroad programs at the Institute for Fine and Liberal Arts at the Palazzo Rucellai (Italy) during the 2014-2015 Academic Year and for up to 63 students participating in the 2015 Summer Program. Zero (0) options to extend. The expenses associated with this contract are borne by the participating students, not by the University.

PROCUREMENT - AMENDMENTS

A/V EQUIPMENT AND INSTALLATION

No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	HB Communications, Inc.	UC-07-KJ110106	\$1,575,766 [Contract Value Previously \$19,961,577; Total New Contract Value \$21,537,343]	03/15/07-12/31/14	Multiple Sources	Matthew Larson, Director of Procurement Services	\$16,965,743	\$1,727,876	\$1,697,030	Audio/visual equipment and installation for all University campuses, including UCH. Amend to increase contract value by \$1,575,766, for a total new contract value of \$21,537,343. Contract term remains the same. One (1) of eight (8) one (1) year extensions remaining.

CATERING SERVICES

No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	KHR, Inc. (d/b/a A Step Above Catering)	UC-KA050709-8	\$227,629 [Contract Value Previously \$2,017,000; Total New Contract Value \$2,244,629]	08/17/09-12/31/14	Auxiliary Services	Warde Manuel, Director of Athletics	\$1,944,629	\$441,083	\$412,000	Catering services for the Division of Athletics for varsity sporting events and other special events on the Storrs Campus. Amend to increase contract value by \$227,629, for a total new contract value of \$2,244,629. Amend to extend term by four (4) months, to 12/31/14. Zero (0) extensions remaining.

CONTRACTS AND AGREEMENTS
FOR APPROVAL
June 25, 2014

FOOD SERVICES										
No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Freshpoint	UC-12-KA040111	\$2,304,828 [Contract Value Previously \$6,396,401; Total New Contract Value \$8,701,229]	07/01/11-06/30/15	Auxiliary Services	Dr. Michael Gilbert, Vice President of Student Affairs	\$6,022,034	\$2,061,147	\$1,759,000	Fresh fruit and produce primarily for the Department of Dining Services use for student meals, dairy bar and other needs. Amend to increase contract value by \$2,304,828, for total new contract value of \$8,701,229. Amend to extend term by one (1) year, to 6/30/15. One (1) of four (4) one (1) year extensions remaining.
2	Garelick Farms	UC-10-B908521-8	\$0 [Contract Value Previously \$2,586,547; Contract Value Remains the Same]	07/01/09-09/30/14	Auxiliary Services	Dr. Michael Gilbert, Vice President of Student Affairs	\$1,985,202	\$521,452	\$535,000	Milk and dairy products primarily for the Department of Dining Services use for student meals, dairy bar and other needs. Amend to extend term by three (3) months, to 9/30/2014. Zero (0) of four (4) one (1) year extensions remaining.
INFORMATION TECHNOLOGY HARDWARE										
No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 09/24/13	Expenditures FY 13	Expenditures FY 12	Purpose
1	Dell Marketing, LP	UC-PG112006	\$0 [Contract Value Previously \$20,000,000; Contract Value Remains the Same]	01/01/08-08/31/14	Multiple Sources	Matthew Larson, Director of Procurement Services	\$13,965,501	\$2,135,460	\$1,810,956	Personal computers, servers, and other hardware for all University campuses, including UCH. Amend to extend contract term by two (2) months, through 8/31/14. Zero (0) of two (2) two (2) year extensions remaining.
LONG TERM DISABILITY INSURANCE										
No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Prudential Insurance Company of America	UC-09-SA110308	\$864,969 [Contract Value Previously \$3,680,000; Total New Contract Value \$4,544,969]	07/01/09-06/30/15	Multiple Sources	Aliza Wilder, Director of Human Resources	\$3,454,131	\$842,848	\$865,000	Long Term Disability Insurance to all University employees enrolled in the ARP retirement program, other than UCH employees. Amend to increase contract value by \$864,969, for a total new contract value of \$4,544,969. Amend to extend term by one (1) year, to 6/30/15. Zero (0) extensions remaining.
PAPER PRODUCTS										
No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Eastern Bag & Paper Co., Inc. (d/b/a EBP Supply Solutions)	UC-KA021109-8	\$1,230,590 [Contract Value Previously \$5,480,000; Total New Contract Value \$6,710,590]	07/01/09-06/30/15	Auxiliary Services	Dr. Michael Gilbert, Vice President of Student Affairs	\$5,084,570	\$1,058,726	\$1,100,000	Paper goods for Department of Dining Services use on all University campuses, excluding UCH. Amend to increase contract value by \$1,230,590, for a total new contract value of \$6,710,590. Amend to extend term by one (1) year, to 6/30/15. Zero (0) of four (4) one (1) year extensions remaining.

CONTRACTS AND AGREEMENTS
FOR APPROVAL
June 25, 2014

PROFESSIONAL EDUCATION SERVICES										
No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Connecticut Urban Legal Initiative, Inc.	UC-12-KJ112610	\$73,212 [Contract Value Previously \$1,124,169; Total New Contract Value \$1,197,381]	08/01/11-07/31/15	Multiple Sources	Timothy S. Fisher, Dean, School of Law	\$884,886	\$374,723	\$374,723	Provide classroom and clinical legal education for two Law School courses during each of the fall and spring semesters. Amend to increase contract value by \$73,212 for a total new contract value of \$1,197,381. Amend to extend term by one (1) year, to 7/31/15. One (1) year extension remaining.

SCIENTIFIC JOURNALS

No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Elsevier BV	UC-14-CON070112	\$174,555 [Contract Value Previously \$5,500,000; Total New Contract Value \$5,674,555]	01/01/14-12/31/16	Multiple Sources	Martha Bedard, Vice Provost for University Libraries	\$0	\$0	\$0	Science Direct Journal Package access for all University campuses, including UCH. Package contains over 1,400 core science journals considered essential to support research initiatives. Amend to increase contract value by \$174,555, for a new total contract value of \$5,674,555. Contract term remains the same. Zero (0) extensions remaining.

SKILLED TRADE LABOR SERVICES

No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Sarazin General Contractors, Inc.	071111MS	\$500,000 [Contract Value Previously \$1,500,000; Total New Contract Value \$2,000,000]	11/11/11-11/10/14	Multiple Sources	Matthew Larson, Director of Procurement Services	\$1,345,556	\$418,179	\$287,092	Trade labor for renovation projects on all University campuses, including UCH. Contract used primarily by the University's Department of Academic Renovations. Amend to increase contract value by \$500,000, for a new total contract value of \$2,000,000. Contract term remains the same. Two (2) of two (2) one (1) year extensions remaining.

SOFTWARE

No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Oracle America, Inc. f/k/a Oracle USA Corp.	94ITZ0005MA	\$0 [Contract Value Previously \$12,255,842; Contract Value Remains the Same]	07/01/08-06/30/15	Multiple Sources	Michael Mundrane, Vice Provost and Chief Information Officer, Information Technology	\$11,098,060	\$1,275,527	\$780,081	Software licenses, maintenance and support for administration systems for all University campuses, excluding UCH. Contract value to remain the same. Amend to extend term by one (1) year, to 6/30/15.
2	SciQuest	17778	\$889,724 [Contract Value Previously \$1,999,340; Total New Contract Value \$2,889,064]	12/31/09-06/30/19	Operating Fund - General	Matthew A. Larson, Director of Procurement Services	\$1,602,192	\$287,597	\$265,235	Procurement software applications servicing all University campuses, excluding UCH. Amend to increase contract value by \$889,724 for a total new contract value of \$2,889,064. Amend to extend term by five (5) years, to 6/30/19. Zero (0) extensions remaining.

CONTRACTS AND AGREEMENTS
FOR APPROVAL
June 25, 2014

STUDENT INSURANCE										
No.	Contractor	Contract No.	New Approval Amount	Term	Fund Source	Program Director	Total Expenditures as of 4/30/14	Expenditures FY 13	Expenditures FY 12	Purpose
1	Bailey Agencies, Inc.	UC-13-KJ113012-2	\$182,203 [Contract Value Previously \$900,000; Total New Contract Value \$1,082,203]	06/1/13-08/15/15	Auxiliary Services	Michael Kurland, Director of Student Health Services	\$400,569	\$0	\$0	Dental insurance for registered University and UCH students, including University and UCH Graduate Assistants; Graduate Fellows; and other eligible individuals. Coverage underwritten by Morgan and White Group and brokered by Bailey Agencies, Inc. The expenses for all other students associated with this contract are borne by the insured students, not by the University. Amend to extend term by one year, to 8/15/15. Amend to increase contract value by \$182,203, for total new contract value of \$1,082,203. Three (3) of four (4) one (1) year extensions remaining.
2	Consolidated Health Plans, Inc.	UC-13-KJ113012-1	\$13,512,928 [Contract Value Previously \$18,100,000; Total New Contract Value \$31,512,928]	06/01/13-08/15/15	Auxiliary Funds	Michael Kurland, Director of Student Health Services	\$14,782,095	\$0	\$0	Health insurance for registered University and UCH students, including University and UCH Graduate Assistants; Graduate Fellows; and other eligible individuals. Coverage underwritten by Nationwide Life Insurance Company and brokered by Bailey Agencies, Inc. The majority of the expenses for Graduate Assistants and Graduate Fellows associated with this contract are borne by the University. The expenses for all other students associated with this contract are borne by the insured students, not by the University. Amend to extend term by one year, to 8/15/15. Amend to increase contract value to \$13,512,928, for total new contract value of \$31,512,928. Three (3) of four (4) one (1) year extensions remaining.
LEASES										
UNIVERSITY AS LANDLORD										
No.	Tenant	Annual Amount Receivable	Term	Fund Source	Program Director	Purpose				
1	Harvey & Lewis Opticians	\$26,744	01/01/14-12/31/23	UMG	Marianne Dess-Santoro Vice President for Ambulatory Care UMG Administration	This is a revenue generating lease. Harvey & Lewis will provide eye care services in the Outpatient Pavilion. The space consists of 782 square feet. The rent to be charged is \$2,228.70 per month, which is \$26,744.40 per year and \$267,444.00 for the ten year (10-year) term. NOTE: The term dates are estimated as the building is currently under construction.				
2	Stamford Hospital	Escalates on a schedule starting at \$144,000.00 in year one.	09/01/09-04/30/15	Operating Fund - General	Regina Cusson, Dean, School of Nursing	Second Amendment to Parking Lease Agreement for 300 parking spaces located on the top deck of the UConn Stamford campus parking garage located on Washington Boulevard in Stamford, CT to accommodate Stamford Hospital employees. This amendment extends the term for an additional 8 months.				

**CONTRACTS AND AGREEMENTS
FOR APPROVAL
June 25, 2014**

LEASES

UNIVERSITY AS TENANT

No.	Landlord	Annual Amount Payable	Term	Fund Source	Program Director	Purpose
1	1137-1145 West Street, LLC	\$59,616	07/01/11–06/30/26	Operating Fund	Marianne Dess-Santoro Vice President for Ambulatory Care UMG Administration	Additional 2,484 sf of space located on the 2nd floor of 1115 West Street, Southington, CT at \$24.00 per sf for Southington practice.
2	Connecticut Children's Medical Center	\$84,803	07/01/14-06/30/15	Operating Fund	R. Lamont MacNeil, DDS, Dean, School of Dental Medicine	Renewal of 3,000 square feet of space at Children's Medical Center, 282 Washington St., Hartford, CT at \$28.27 per sq. ft.
3	Riverview Medical Center, LLC	\$46,424	07/01/14-06/30/18	Operating Fund	Marianne Dess-Santoro Vice President for Ambulatory Care UMG Administration	New lease of 2,056 sf of office space located at 145 Pomfret Street, Putnam, CT at \$22.58 per sf for Putnam practice. Includes 2 one-year renewal options.
4	Stamford Hospital	Escalate on a schedule starting at \$60,951.92 in year 6.	08/17/09-08/16/19	Operating Fund - General	Regina Cusson, Dean, School of Nursing	Second Amendment to Sublease of approximately 1,300 square feet of academic space in Stamford Hospital (Washington Boulevard). The space has renovated by Stamford Hospital to accommodate the academic environment requirements of the UConn School of Nursing (SON). This amendment extends the term for an additional 5 years.

OTHER AGREEMENTS FOR APPROVAL

No.	Provider	Annual Amount Payable	Term	Fund Source	Program Director	Purpose
1	Campus Associates LP d/b/a Nathan Hale Inn & Conference Center	\$1,059,900	08/18/14-05/12/15 with 2 possible (1) year extensions	Student Fee Revenue	Michael Gilbert, Executive Vice President for Student Affairs	Amendment to previous April 2014 approval. Room reservation agreement to accommodate 148 students in 50 rooms at the Nathan Hale Inn for the Fall 2014 and Spring 2015 semesters with the option for two additional academic years. There will be no occupancy during the summer. No interest in real estate is created by this contract. Annual amount payable may increase if University Rate 2 increases.

ATTACHMENT 2

**PROMOTION AND TENURE RECOMMENDATIONS
UNIVERSITY OF CONNECTICUT
PRESENTED TO THE BOARD OF TRUSTEES — June 25, 2014**

Effective August 23, 2014

NEAG SCHOOL OF EDUCATION

TENURE AS ASSOCIATE PROFESSOR

Noel Card

Educational Psychology

COLLEGE OF LIBERAL ARTS & SCIENCES

PROMOTION TO ASSOCIATE PROFESSOR AND TENURE

Peter Schweitzer

Physics

ATTACHMENT 3

**University of Connecticut Department of Human Resources
Emeritus Retirees
June 25, 2014 Board of Trustees Meeting**

NAME	TITLE	DEPARTMENT	SCHOOL/COLLEGE	RETIREMENT DATE
Carello, Claudia A.	Professor	Psychology	Liberal Arts & Sciences	6/1/2014
Chaffin, Roger J.	Professor	Psychology	Liberal Arts & Sciences	6/1/2014
Harris, Sharon M.	Professor	English	Liberal Arts & Sciences	6/1/2014
Klein, Linda S.	Professor	Finance Department	School of Business	6/1/2014
Klein, Waldo C.	Professor	Social Work Instr & Res	School of Social Work	6/1/2014
Marcus, Harris L.	Professor	Materials Science Institute	Prov & Exvp Acad Aff	6/1/2014
Masciandaro, Franco R.	Professor	Lit, Culture & Languages	Liberal Arts & Sciences	6/1/2014
Musiek, Frank E.	Professor	Speech, Lang & Hearing	Liberal Arts & Sciences	6/1/2014
Singha, Suman	Professor	Plant Sci & Landscape Arc	Ag & Nat Resources	6/1/2014
Swanson, Mark S.	Professor	Physics	Liberal Arts & Sciences	6/1/2014

ATTACHMENT 4

University of Connecticut Office of the Provost
Sabbatical Leave Recommendations Requiring Board of Trustees Approval
June 25, 2014 Board of Trustees Meeting

CHANGES TO PREVIOUSLY APPROVED SABBATICAL LEAVES:

<u>NAME</u>	<u>TITLE</u>	<u>DEPARTMENT</u>	<u>SCHOOL/COLLEGE</u>	<u>PAY PERIOD</u>
Casamayor-Cisneros, Odette	Associate Professor	Literatures, Cultures and Languages	College of Liberal Arts and Sciences	Full Spring 2015 Full Spring 2016
Dancy, Deborah	Professor	Art and Art History	School of Fine Arts	Full Fall 2014 Half AY 2015 - 2016
Fisher, Robert	Professor		School of Social Work	Half CY 2014 Full Spring 2014
Gokirmak, Ali	Associate Professor	Electrical and Computer Engineering	School of Engineering	Half AY 2014 - 2015 Full Spring 2015
Silva, Helena	Associate Professor	Electrical and Computer Engineering	School of Engineering	Half AY 2014 - 2015 Full Spring 2015

SABBATICAL LEAVE REQUESTS:

<u>NAME</u>	<u>TITLE</u>	<u>DEPARTMENT</u>	<u>SCHOOL/COLLEGE</u>	<u>PAY PERIOD</u>
Andrew, Sheila M.	Professor	Animal Science	College of Agriculture and Natural Resources	Full Spring 2015
Donaldson, Morgaen	Associate Professor	Educational Leadership	Neag School of Education	Full Spring 2015
Gao, Robert X.	Professor	Mechanical Engineering	School of Engineering	Full Spring 2015
VanHeest, Jaci L.	Associate Professor	Educational Psychology	Neag School of Education	Full Spring 2015
Willis, Brian	Associate Professor	Chemical and Biomolecular Engineering	School of Engineering	Full Spring 2015

ATTACHMENT 5

June 25, 2014

TO: Members of the Board of Trustees
FROM: Mun Choi, Provost
RE: Appointment of Dr. Anjana Bhat to the Livieri Physical Therapy Professorship in the Neag School of Education

RECOMMENDATION:

That the Board of Trustees approve the appointment of Dr. Anjana Bhat to the Livieri Physical Therapy Professorship in the Neag School of Education.

BACKGROUND:

Dr. Anjana Bhat is a renowned researcher and scholar committed to developing novel physical therapy interventions and early detection measures for motor development in infants and children with autism spectrum disorders. The broad goals of her research examine the relationships between motor and social communication development in various special pediatric populations. Dr. Bhat's interdisciplinary research has impacted various fields including physical therapy, occupational therapy, speech-language pathology, music therapy, developmental psychology, psychiatry, and social robotics.

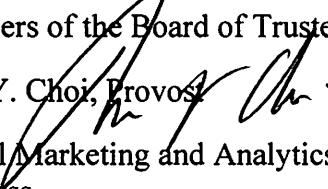
Dr. Bhat's research represents the embodied cognition approach in the clinical world wherein basic perceptuo-motor skills promote social communication and cognitive development in children. Specifically, her current research evaluates the effects of creative interventions such as robotics, art, music, and yoga on the overall development of young and older children with autism.

Over the last six years at UConn, Dr. Bhat has received nearly \$1.5 million in funding from the National Institutes of Health and Autism Speaks. She has over 20 peer-reviewed publications, 65 conference presentations, and 16 invited talks at international conferences and renowned universities. Her research has received media coverage in the *New York Times*, *Hartford Courant*, *Bloomberg BusinessWeek*, *Psychiatry News*, and on FOX CT news.

The Board of Trustees approved the Livieri Physical Therapy Professorship on September 2, 1996.

ATTACHMENT 6

June 25, 2014

TO: Members of the Board of Trustees
FROM: Mun Y. Choi, Provost 
RE: Digital Marketing and Analytics Major at the Stamford Campus in the School of Business.

RECOMMENDATION:

That the Board of Trustees approve the Digital Marketing and Analytics Major at the Stamford Campus in the School of Business.

BACKGROUND:

The proposed Digital Marketing and Analytics major in Stamford helps to fulfill the promise to develop new business programs at the Stamford campus as part of Next Generation Connecticut. There is strong interest in the major among existing UConn Stamford students and within the Stamford business community. The proposed Digital Marketing & Analytics major complements existing programs and initiatives in Storrs and Stamford, and other regional campuses. The proposed major builds on the strength of the Marketing Department in digital marketing and analytics, and the School of Business' strength in strategy and analytics, providing students and their employers with research-driven insights for the real world.

Given the rapid growth in social and digital media, there is a great demand for digital marketing and analytics professionals. The Stamford business community has growing internship and hiring needs for individuals who can successfully use digital analytics to gain insights into consumer search, decision making, purchase activities, and the success of marketing activities; and to strategically act on these insights to make marketing decisions including developing new products, pricing, distribution, and communication activities.

In keeping with the business base in Fairfield County, the proposed Stamford campus Digital Marketing & Analytics major is specifically designed to prepare students for careers in digital marketing strategy and digital marketing analytics, and the curriculum is closely tied to professional practice and industry needs.

Item: **Digital Marketing & Analytics Major - UConn Stamford**

Background and Description

The proposed Digital Marketing & Analytics major is part of the academic expansion initiative for the Stamford campus, and is intended to be offered on the Stamford campus, although students at other regional campuses can complete this major by enrolling in some classes at Stamford. This major is being developed in conjunction with "Next Generation Connecticut," which calls for "state investment in the digital media sector by adding...new degrees in the business program" in Stamford to meet the needs of the southwestern Connecticut business community, while also being different from the mainstream marketing major offered in Storrs. As part of the Stamford campus' efforts to provide students the skills and learning required by the southwestern Connecticut business community, the Dean of the School of Business requested the head of the Marketing Department to work with marketing faculty in Storrs and Stamford to develop the curriculum for an undergraduate Digital Marketing & Analytics major on the Stamford campus. The proposed Digital Marketing & Analytics major, within the Bachelor of Science degree given by the School of Business, will supplement the approved Digital Marketing & Analytics Minor (available beginning in Fall 2014), and builds on the School of Business' strength in training students to apply analytics to business decisions. Consequently, the Digital Marketing & Analytics Major is eligible to be considered for STEM-designation.

Fairfield County has a vibrant business community and is the headquarters location to numerous Fortune 500 and Fortune 1000 companies. Among the larger companies are General Electric (and its financial services unit GE Capital), UBS, Royal Bank of Scotland, Starwood Resorts and Hotels, Pitney Bowes, Xerox, Purdue Pharma, and General Re. Many residents of Fairfield County work in New York City, home to some of the largest firms, many digital marketing and analytics firms as well as a rapidly increasing number of digital platform startups.

Given the rapid growth in social and digital media, there is a great demand for digital marketing and analytics professionals. Currently there is no public AACSB-accredited undergraduate marketing major offered in Fairfield County. Hence, development of the UConn Digital Marketing & Analytics major was both an important and welcome task, as many School of Business faculty and administration on the Stamford Campus strongly believe that a marketing major is needed on this regional campus for two primary reasons:

- Students have continually requested a marketing major, and the campus has lost students to other area universities when they realize they cannot complete a marketing major in Stamford.
- The Stamford business community has growing internship and hiring needs for individuals who can successfully use digital analytics to gain insights into consumer search, decision making, purchase activities, and the success of marketing activities; and to strategically act on these insights to make marketing decisions including developing new products, pricing, distribution, and communication activities.

In keeping with the business base in Fairfield County, the proposed Stamford campus Digital Marketing & Analytics major is **specifically designed to prepare students for careers in digital marketing strategy and digital marketing analytics**. The curriculum includes the same general education requirements and business core requirements as the other traditional business majors at the University. The proposed major then focuses on courses designed for careers in digital marketing strategy and marketing analytics. The degree granted is a B.S. in Business Administration.

The curriculum is closely tied to professional practice and industry needs. It has been developed based on

discussions with industry professionals and an analysis of market needs conducted by the Education Advisory Board. Although the Education Advisory Board's "Market Viability" report focuses on "digital" graduate certificate programs, it documents the need for students specializing in business with a focus on digital marketing management. In particular, there is a strong need for graduates with fundamental business training who have solid grounding in marketing and are fluent in the strategic and analytics aspects of digital marketing. This leads to a curriculum that includes all of the core requirements of the UConn business degree—including strong general education requirements, math, economics, and statistics prerequisites, and exposure to the fundamental areas of business (i.e., accounting, finance, management, marketing, operations, information systems, business law and ethics). In addition to this core business base, courses were selected that treat digital marketing as an integrated part of a firm's overall strategy and provide students with sufficient depth in both the analytics and strategic aspects of digital marketing to successfully use these tools to meet marketing and firm objectives. The proposed major equips students with the knowledge and skills to develop and implement digital marketing strategies.

In addition to a solid grounding in business fundamentals and marketing strategy, a distinguishing feature of the proposed Digital Marketing & Analytics major is that UConn School of Business faculty bring state-of-the-art research practice into the classroom. The Marketing faculty in Storrs, Hartford, and Stamford work collaboratively on programmatic course development. Across the campuses, there are 16 marketing faculty (15 PhD, 1 MBA), 12 tenured/tenure-track and 4 in-residence. Seven tenured/tenure-track faculty actively conduct research in the area of digital marketing and analytics and publish in the top academic marketing journals including *Marketing Science*, *Journal of Marketing Research*, *Journal of Consumer Research*, and the *Journal of Marketing*. Our faculty's research on digital marketing and analytics, and our ability to translate this research for students, provides evidence-based insights that are integral to the UConn School of Business student experience.

Reasons for the Proposed Program

The proposed Digital Marketing & Analytics major in Stamford helps to fulfill the promise to develop new business programs at the Stamford campus as part of NextGen Connecticut. There is strong interest in the major among existing UConn Stamford students and within the Stamford business community. The proposed Digital Marketing & Analytics major complements existing programs and initiatives in Storrs and Stamford, and other regional campuses. The proposed program builds on the strength of the Marketing Department in digital marketing and analytics, and the School of Business' strength in strategy and analytics including the development of new majors in Stamford (Financial Management and Business Data Analytics) providing students and their employers with research-driven insights for the real world.

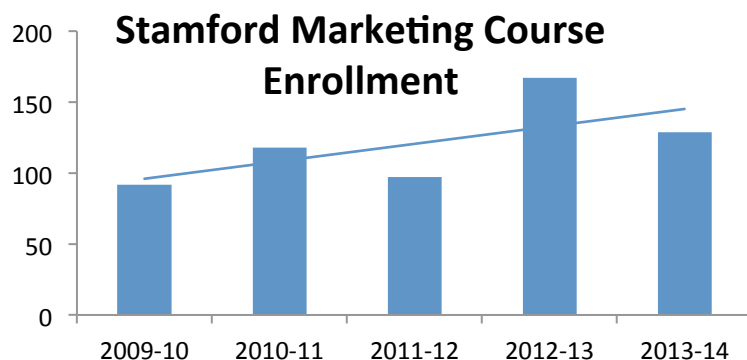
Market Demand. The program's market demand was developed based on discussions with industry professionals and an analysis of market needs conducted by the Education Advisory Board. Although the Education Advisory Board's "Market Viability" report focuses on "digital" graduate certificate programs, this demand bodes well for an undergraduate program on digital marketing, with elective options to focus on digital marketing analytics and/or digital marketing strategy.

Employment Opportunities. Digital is a key to marketing positions, and a search on Indeed.com (3/3/14) indicates 3,787 marketing positions, of which 1,604 could be classified as entry-level (paying less than \$50k). Relatedly, within a 50-mile radius it lists 24,959 marketing positions, of which 8,318 could be classified as entry-level. Job titles for these positions include: head of social media strategy, project/product manager, marketing associate, digital marketing & analytics coordinator. Similar

searches for the more narrow keywords “digital marketing” or “digital media” reveal 1,180 job listings within 25 miles and 10,579 job listings within 50 miles of Stamford.

Business, UConn, and Student Feedback. The proposed Digital Marketing & Analytics major at UConn Stamford has received very positive responses from businesses, UConn Stamford and Storrs faculty, and students.

UConn Stamford Enrollment in Marketing Courses. Enrollment in marketing courses in Stamford continues to grow. We expect that the proposed Digital Marketing & Analytics major will accelerate this growth.



Existing Programs and Initiatives. The proposed Digital Marketing & Analytics major fits well with existing programs and initiatives in the School of Business. These include a certificate program in Digital Marketing & Analytics for business and non-business majors at Storrs, a minor in Digital Marketing & Analytics for non-business students at Storrs and Stamford, and the Business Data Analytics program (offered by the OPIM department) in Stamford. The required marketing courses for the proposed Digital Marketing & Analytics major are already developed and used for the certificate and minor programs at Storrs. This facilitates delivery of these courses in Stamford. Analytically-oriented digital marketing students will be able to take additional analytics electives by enrolling in courses currently offered as part of the existing Business Data Analytics major in Stamford.

In addition to classes offered by the Marketing and OPIM departments, Digital Marketing & Analytics majors have the opportunity to take complementary classes offered by the Digital Media and Communications departments in Stamford.

The Stamford campus offers a growing number of opportunities for Digital Marketing & Analytics majors to engage in experiential learning. These include the Stamford Learning Accelerator, where teams of students from multiple departments come together to work on collaborative learning projects; the Connecticut Information Technology Institute (CITI), which sponsors forums and training events for IT students and professionals; as well as internship and field study opportunities with a number of Fortune 500 companies engaged in digital marketing activities in Stamford and the surrounding region.

Curriculum & Program Outline

The proposed Digital Marketing & Analytics major is within the Bachelor of Science degree given by the School of Business. The degree in business requires a minimum of 120 degree credits of course work. At

least 60 credits presented for the degree must be comprised of courses other than business, including general education course work: no more than 9 credits of economics and no more than 6 credits of statistics may be counted as part of these 60 credits. Students who wish to minor in economics or statistics may do so, but this may require coursework beyond 120 credits to satisfy the requirements of both the major and the minor. For the proposed Digital Marketing & Analytics major, a total of 49 School of Business credits are required. No Digital Marketing & Analytics major may count more than twenty-two Marketing credits beyond MKTG 3101 toward those credits presented for degree requirements.

Bachelor of Science Requirements. Digital Marketing & Analytics majors are required to achieve a cumulative 2.0 grade point average for the total of all Marketing (MKTG) courses for which they have been registered at the University of Connecticut, excluding grades and credits for independent studies and internships

Residence Requirement. In addition to the School of Business residence requirements for all majors, a Digital Marketing & Analytics major must complete the three required Marketing courses, MKTG 3661, MKTG 3665, and MKTG 3208 or MKTG 3260 all in residence at the University of Connecticut. Study Abroad and NSE courses may not be used to meet this requirement.

For the proposed major, three (3-credit) marketing courses and three (3-credit) School of Business electives are required beyond the School of Business Core requirements.

General Education Requirements:

School of Business GENERAL EDUCATION REQUIRED COURSES: *Must be completed by graduation.*

- ☐ ANTH 1000 or GEOG 1700
- ☐ COMM 1000 or 1100
- ☐ HIST 1400
- ☐ PHIL 1101 or 1102 or 1103 or 1104 or 1105 or 1106
- ☐ PSYC 1100

University GENERAL EDUCATION REQUIRED COURSES: *Must be completed by graduation.*

- ☐ 4-credit laboratory science course
- ☐ 3-credit course from Content Area 4 List
- ☐ "W" writing course

School of Business CRITICAL REQUIRED COURSES: *Must be completed before taking 3000/4000-level Business courses.*

- ☐ ENGL 1010 or 1011 (or ENGL 2011 or 3800 for Honors Scholars)
- ☐ MATH 1070Q
- ☐ MATH 1071Q
- ☐ STAT 1000 or 1100
- ☐ ECON 1200 or both ECON 1201 and ECON 1202

School of Business Core Requirements:

Credits

<input type="checkbox"/> ACCT 2001 Principles of Financial Accounting	3
<input type="checkbox"/> ACCT 2101 Principles of Managerial Accounting	3
<input type="checkbox"/> BLAW 3175 Legal and Ethical Environment of Business	3
<input type="checkbox"/> FNCE 3101 Financial Management	3
<input type="checkbox"/> BADM 4075W Business Communications	3
<input type="checkbox"/> BADM 4072 Career Development in Business	1
<input type="checkbox"/> MGMT 3101 Managerial & Interpersonal Behavior	3
<input type="checkbox"/> MGMT 4902 Strategic Analysis	3

___ MKTG 3101 Introduction to Marketing Management	3
___ OPIM 3103C Business Information Systems	3
___ OPIM 3104 Operations Management	3
Total Core Credits	<u>31</u>

Marketing Requirements:

___ MKTG 3665 Digital Marketing	3
___ MKTG 3661 Marketing & Digital Analytics	3
___ MKTG 3208 Consumer Behavior or MKTG 3260 Marketing Research	3
Major Required Credits	<u>9</u>

Selected School of Business Electives: *two 3-credit courses from the following list*:*

___ MKTG 3260 Marketing Research or MKTG 3208 Consumer Behavior (if not used to fulfill Marketing Requirements)	3
___ MKTG 3452 Professional Selling	3
___ MKTG 3625 Integrated Marketing Communication in the Digital Age	3
___ MKTG 3757 Strategic Brand Management	3
___ MKTG 4891 Professional Practice in Marketing	3
___ OPIM 3510 Business Data Analytics I	3
___ OPIM 3511 Business Data Analytics II	3
Selected School of Business Elective Credits	<u>6</u>

Open School of Business Elective: *one 3-credit 3000-4000 level School of Business elective*

___ 3000-4000 level School of Business elective	3
Open School of Business Elective Credits	<u>3</u>

TOTAL REQUIRED BUSINESS CREDITS 49

***Digital Marketing & Analytics majors should choose electives (below) based on their interests.**

All Digital Marketing & Analytics majors are encouraged to complete:

MKTG 3208 Consumer Behavior *and* MKTG 3260 Marketing Research (one of which will fulfill Marketing Requirements and one of which will count as a Business Elective).

Digital Marketing & Analytics majors with a **digital marketing strategy** focus are encouraged to take one or two of the following:

MKTG 3452 Professional Selling;
MKTG 3625 Integrated Marketing Communication in the Digital Age;
MKTG 3757 Strategic Brand Management;
MKTG 4891 Professional Practice in Marketing.

Digital Marketing & Analytics majors with a **digital marketing analytics** focus are encouraged to take the following:

MKTG 3260 Marketing Research;
OPIM 3510 Business Data Analytics I;
OPIM 3511 Business Data Analytics II.

The Digital Marketing & Analytics major Plan of Study (POS) lists School of Business courses and critical prerequisites; other general education requirements are the same as for other business majors.

DIGITAL MARKETING & ANALYTICS
MAJOR PROPOSED PLAN OF STUDY

<u>FIFTH SEMESTER</u>	<u>SIXTH SEMESTER</u>	<u>SEVENTH SEMESTER</u>	<u>EIGHTH SEMESTER</u>
FNCE 3101	MGMT 3101	BUSINESS ELECTIVE	BUSINESS ELECTIVE
MKTG 3101	MKTG 3208/MKTG 3260	BLAW 3175	FREE ELECTIVE
BADM 4075W	OPIM 3103	MKTG 3661/MKTG 3665	MGMT 4902
ACCT 2101	BADM 4072	OPIM 3104	BUSINESS ELECTIVE
	MKTG 3665/MKTG 3661		

¹**ACCT 2101:** Open to sophomores - should be taken as early as possible as it is a pre/co-requisite for FNCE 3101.

General Education Requirements: All School of Business requirements, including:

- ___ ENGL 1010 or 1011 (2011 or 3800 for Honors Scholars)
- ___ MATH 1070Q
- ___ MATH 1071Q
- ___ STAT 1000 or 1100
- ___ ECON 1201
- ___ ECON 1202

School of Business Core Requirements:

	<u>Credits</u>
___ ACCT 2001 Principles of Financial Accounting	3
___ ACCT 2101 Principles of Managerial Accounting	3
___ BADM 4075W Business Communications	3
___ BADM 4072 Career Development in Business	1
___ BLAW 3175 Legal and Ethical Environment of Business	3
___ FNCE 3101 Financial Management	3
___ MGMT 3101 Managerial & Interpersonal Behavior	3
___ MGMT 4902 Strategic Analysis	3
___ MKTG 3101 Introduction to Marketing Management	3
___ OPIM 3103 Business Information Systems	3
___ OPIM 3104 Operations Management	3
Total Core Credits	<u>31</u>

Marketing Requirements:

___ MKTG 3665 Digital Marketing	3
___ MKTG 3661 Marketing & Digital Analytics	3
___ MKTG 3208 Consumer Behavior <i>or</i> MKTG 3260 Market Research	3
Major Required Credits	<u>9</u>

Selected School of Business Electives: *two 3-credit courses from the following list:*

___ MKTG 3260 Marketing Research <i>or</i> MKTG 3208 Consumer Behavior	3
___ MKTG 3452 Professional Selling	3
___ MKTG 3625 Integrated Marketing Communication in the Digital Age	3
___ MKTG 3757 Strategic Brand Management	3
___ MKTG 4891 Professional Practice in Marketing	3
___ OPIM 3510 Business Data Analytics I	3
___ OPIM 3511 Business Data Analytics II	3
Selected School of Business Elective Credits	<u>6</u>

Open School of Business Electives: *one 3-credit School of Business course*

___ 3000-4000 Business course	3
Open School of Business Elective Credits	<u>3</u>

TOTAL REQUIRED SCHOOL OF BUSINESS CREDITS **49**

Course Descriptions for Marketing Requirements and Select School of Business Electives
(All listed courses are three-credit courses currently offered by the School of Business.)

MKTG 3101. Introduction to Marketing Management

An introduction to the marketing system, its foundations, and institutions. Students are exposed to product, promotion, price, distribution decision areas, strategic alliances, relationship marketing, and total marketing quality.

MKTG 3665. Digital Marketing

Provides students a framework and tools to develop integrated digital marketing strategies applied to segmentation, targeting, positioning, branding, and the marketing mix in pursuit of long-term marketing objectives.

MKTG 3661. Marketing and Digital Analytics

Provides students with basic and advanced analytical tools to address strategic marketing concerns, including topics such as consumer profiling and behavioral targeting, media buying, retail forecasting, direct marketing effectiveness, analytics for web and social media engagement, and search. Students gain hands on computer-based experience in analyzing data.

MKTG 3208. Consumer Behavior

The analysis of consumer decision processes as they relate to marketing management decision areas. Several models of consumer behavior are studied as are the psychological phenomena of learning, motivation, and attitude development, and the sociological influences of social class, reference groups and culture.

MKTG 3260. Marketing Research

Covers strategies and techniques for obtaining and using market information from consumer and business-to-business markets. Emphasis on: translating managerial problems into research questions, designing research, selecting alternate research methods, and analyzing and interpreting market research data. Students gain hands on, computer based experience in analyzing market data.

MKTG 3452. Professional Selling

Focuses on the tactical and strategic aspects of the professional selling process with particular emphasis upon managing the complex sale. Topics include account entry strategies, effective investigative techniques, objection prevention, the client decision process, negotiation skills, and account development strategies, and the use of technology to manage a portfolio of sales opportunities. Learning tools will include: participant interaction, role plays, work groups, and case studies.

MKTG 3625. Integrated Marketing Communications in the Digital Age

Provides students an understanding of the design, coordination, integration, and management of marketing communications. Students develop an integrated marketing communications campaign using traditional, social, and mobile media with an emphasis on the competitive and strategic value of communications in the marketplace.

MKTG 3757. Strategic Brand Management

Provides students an understanding of customer behavior in relation to marketing strategies in building, leveraging, and enhancing brand equity and formulating strategic brand decisions, such as positioning and designing brands, building and leveraging brand community, measuring brand assets and brand performance, managing global brands, providing brand stewardship, and managing brand extensions. The course provides concepts and perspectives relevant for any market offering (public/private,

profit/nonprofit, commercial/noncommercial). Students will conduct a brand assessment project - a brand equity audit or brand marketing plan.

MKTG 4891. Professional Practice in Marketing

Provides students with an opportunity for supervised field work in relevant major areas within the Department. Students will work with one or more professionals in the field of marketing. Student performance will be evaluated on the basis of an appraisal by the field supervisor and a detailed written report submitted by the student.

OPIM 3510. Business Data Analytics I

Presents essential data analytics topics. Covers basic programming logic and techniques necessary for developing business data applications. The course will also cover topics related to data preprocessing and data cleaning with a light introduction to data mining and visualization techniques.

OPIM 3511. Business Data Analytics II

Presents data analytics principles and state-of-the-art data mining software, with an emphasis placed on applications in business. The course provides an introduction to a variety of statistical techniques and algorithmic principles used in data mining. Various data mining procedures will be discussed and subsequently implemented using state-of-the-art analytics toolsets.

Learning Outcomes

The proposed Digital Marketing & Analytics curriculum is designed to provide School of Business students with a solid grounding in marketing principles, digital marketing strategy, and digital marketing analytics. School of Business students are also expected to have a fundamental understanding of other business disciplines (i.e., accounting, finance, management, operations, information systems, business law and ethics), be able to use data and quantitative techniques to conduct analysis and make recommendations, think strategically, work well with others, and effectively communicate their ideas. The learning outcomes specific to the proposed Digital Marketing & Analytics major required courses are outlined below. The learning objectives for non-required courses are included on the respective syllabi for these courses.

Learning Outcomes (students will be able to:)	Course
I. Marketing Principles <ul style="list-style-type: none"> • Make recommendations based on marketing concepts; • Use quantitative information to analyze situations and make recommendations; • Apply a systematic process to marketing decisions; • Develop concise and persuasive arguments; • Work successfully in a team. 	Introduction to Marketing Management (MKTG 3101)
II. Digital Marketing Strategy <ul style="list-style-type: none"> • Rethink marketing in the evolving digital age • Understand how digital marketing strategies align with a company's overall marketing strategy; • Develop, implement, and evaluate digital marketing plans; • Understand the major tools of digital marketing: online ads, search engine optimization, paid search ads, organic social media, social media ads, mobile marketing, and others; 	Digital Marketing (MKTG 3665)

<ul style="list-style-type: none"> Explore the future development of digital marketing. 	
III. Digital Analytics <ul style="list-style-type: none"> Know how basic and advanced analytical tools can be used to assess strategic marketing concerns such as sales prediction, retail forecasting, and consumer profiling and segmentation; Use digital analytics to measure web and social media engagement and search and evaluate ad effectiveness; Use statistical programs to analyze digital marketing data. 	Marketing & Digital Analytics (MKTG 3661)

Enrollment & Graduation Projections

School of Business initiatives in Stamford, including the new Financial Management and redesigned Business Data Analytics majors that complement the general Business Administration major, are attracting students to the Stamford campus. Enrollments in School of Business programs at Stamford are expect to continue to grow.

Digital Marketing & Analytics Major Demand Estimation and Graduation Projection

Based on feedback from Stamford Marketing faculty, administrators, and students, there is significant interest among Business Administration majors (i.e., those in the general business major) for a focused major in marketing.

In estimating demand for the proposed Digital Marketing & Analytics major, we consider current undergraduate enrollments for Stamford business majors and current growth rates in Stamford marketing courses (7% per annum). In Spring 2014, the total number of (freshman through senior) undergraduate business majors in Stamford is estimated at 141. This includes 70 (50%) Business Administration majors, 42 (30%) Business Data Analytics majors, and 29 (20%) Financial Management majors.

Spring 2014 enrollments	Freshman	Sophomore	Junior	Senior	Total
Business Administration ^a	3	13	25	29	70
Business and Technology ^b		3	9	30	42
Financial Management		3	12	14	29
Total	3	19	46	73	141

^a Includes five students who identified themselves as Accounting, Marketing, or Management Majors

^b As of Fall 2014, this major is redesigned and renamed as Business Data Analytics.

We further consider the likely impact of the proposed Digital Marketing & Analytics major on existing students in the general Business Administration major, as well as new students, graduation rate and growth in freshmen admissions, including the likely impact of new dorms at the Stamford campus. *The assumptions result in expected cumulative (freshmen through senior) estimated enrollment of 42 in Fall 2015 rising to 90 in fall 2019; graduation projections increase from 7 in Spring 2016 to 13 in Spring 2020.* The table on the following page provides the specific data for these projections.

Digital Marketing & Analytics Majors	Fall 2015 ^a	Fall 2016 ^b	Fall 2017 ^c	Fall 2018 ^d	Fall 2019 ^e
Freshman	12	14	20	24	28
Sophomore	10	12	14	20	24
Junior	10	10	12	14	20
Senior	10	10	10	12	14
Holdover seniors (who did not graduate on time) (33% of previous seniors based on 4-yr grad rate is 67%)	0	3	3	3	4
Cumulative Enrollment	42	49	59	73	90
Estimated Digital Marketing & Analytics Major Graduates^f	7	10	10	11	13

^a Fall 2015 estimates of junior and senior Digital Marketing & Analytics majors assume that approximately 33% of the junior (25) and senior (29) Business Administration majors (based on Spring 2014 enrollments) are likely to switch to the Digital Marketing & Analytics major; sophomores are similarly estimated at 10. Freshmen estimates are based on a 15% growth rate in incoming students for the School of Business in Stamford as a whole, with Digital Marketing & Analytics accounting for 25% of incoming students.

^b Fall 2016 estimates are based on a 15% growth rate.

^c Fall 2017 estimates are based on a 40% growth rate, with expected dorm availability.

^d Fall 2018 estimates are based on a 20% growth rate, with spillover from dorm availability.

^e Fall 2016 estimates are based on a 15% growth rate.

^f Estimated graduates is based on an expected graduation rate of 67% of students enrolled as seniors and the 33% who were supposed to graduate in the previous year (i.e., holdover seniors). For example, in Fall 2019 (i.e., Spring 2020) the estimated number of Digital Marketing & Analytics graduates is 13; calculated as (14 current seniors * 67%) + 4 holdover seniors.

Financial Resources

To fully support the Stamford expansion, including demand for the proposed Digital Marketing & Analytics major, as well as the recently added Financial Management major and redesigned Business Data Analytics major, additional faculty and administrative support are essential. We propose the following:

Required Faculty Resources for the Proposed Digital Marketing & Analytics major. Hire one *in-residence Marketing faculty* member in Stamford. A start date of Fall 2014 would enable the Marketing Department to commence teaching courses needed for the proposed Digital Marketing & Analytics major and enable School of Business students currently enrolled at the Stamford campus to begin taking these classes. This faculty member will serve as the **Digital Marketing & Analytics Coordinator/Academic Counselor** for Digital Marketing & Analytics majors.

Required Support Staff Resources for Stamford School of Business Undergraduate Program. The Stamford School of Business Undergraduate Program, pending approval of this proposal, would have four majors, Digital Marketing & Analytics, Business Administration, Business Data Analytics, and Financial Management. *To fully address the needs of prospective and incoming students to these Stamford majors, additional support staff is required. At a minimum, the support staff should include: Administrative Assistant and Career Counselor.*

Our financial estimates (below) for the proposed Digital Marketing & Analytics major include 1/4 of the costs of these support staff, with the expectation that the remaining 1/4 of these costs will be allocated to the other three majors.

Marketing Support Costs. Awareness and interest, and hence enrollments, will be facilitated by allocating promotional/marketing efforts (social media, web presence, transit advertising). Upon approval, this major should be advertised in the Stamford market area. We estimate budget focused on the Digital Marketing & Analytics major of \$20K in 2015 and 2016 and \$10K in subsequent years to ensure the estimated growth rate of incoming majors. This allocation should be a component of the concerted promotional/marketing funds necessary to drive School of Business major enrollments the UConn Stamford.

Student Demand and Tuition Revenues. Tuition and fees are the sole source of revenue. We use estimates of class size from our demand estimates to estimate revenues. We conservatively estimate revenue from all students at the in-state tuition rate.

Our proposed budget below indicates that the proposed major is revenue generating as of 2016, approaching \$1 million in net income in the fifth year (2019-20).

Proposed Budget	2015-16	2016-17	2017-18	2018-19	2019-20
Expenditures					
• Associate Professor In-Residence (9-month @\$110K + FB)	\$166,320	\$177,419	\$189,162	\$201,584	\$214,721
• Faculty Academic Counselor (1 month salary + FB)	\$18,480	\$19,713	\$21,018	\$22,398	\$23,858
• Career Counselor (25% with FB)	\$28,105	\$30,110	\$32,244	\$34,514	\$36,928
• Administrative Assistant (25% with FB)	\$24,090	\$25,809	\$27,638	\$29,583	\$31,653
Total Personnel Cost	\$236,995	\$253,052	\$270,062	\$288,079	\$307,159
Promotion/Marketing of Major	\$20,000	\$20,000	\$10,000	\$10,000	\$10,000
Total Expenses	\$256,995	\$273,052	\$280,062	\$298,079	\$317,159
Tuition/Fee Revenues					
• Digital Marketing & Analytics Majors	42	49	59	73	90
• University Tuition & Fees (In-State)	\$11,444	\$12,131	\$12,858	\$13,630	\$14,448
Total Tuition/Fee Revenues	\$480,648	\$594,401	\$758,650	\$994,989	\$1,300,301
Net Income	\$223,653	\$321,350	\$478,588	\$696,910	\$983,142

^a Digital Marketing & Analytics major demand estimates.

Facilities/Equipment/Library/Special Resources**Number of volumes, periodicals and other materials in the major field and cognate subject areas.**

The University of Connecticut Libraries' collection consists of 2,941,336 volumes and 200 databases www.lib.uconn.edu/about/publications/annreps/ar2011_2012.pdf. Approximately 35,000 volumes fall under the category of business, including those in marketing, digital marketing, and analytics. By utilizing Document Delivery/Interlibrary Loan Services (DD/ILL), Stamford Regional Campus users have access to thousands of other resources from all UConn campuses, libraries within the OCLC WorldCat system, and those within the Boston Library Consortium (BLC)'s Virtual Catalog. DD/ILL which often provides 24-hour turnaround time, allows Stamford Regional Campus users to have items delivered directly to each campus or other designated location; and articles scanned and available electronically to a campus email account. SkyBox, a virtual desktop, allows students to connect to software such as SPSS, MS Office, and SAS.

A representative listing of periodical literature in the library that will support the program.

UConn Libraries has successfully transitioned to a dynamic electronic environment. We subscribe to some 3,000 print journals; the Stamford Regional Campus users have access to an ever-growing number of periodicals from UConn's subscription databases. UConn Libraries has approximately 35 databases and 24 datasets which focus on business-related topics. Access to subscription-based periodicals is **available to all** Stamford Regional Campus UConn students, staff, and faculty, both on campus and remotely from their personal computers. A complete listing of databases is available at <http://rdl.lib.uconn.edu/subjects/1871;all>.

1. The University of Connecticut Libraries subscribes to over 100,000 journals. These electronic journals are available to all UConn users, both on campus and remotely. Within Business & Economics, Stamford Regional Campus users can access more than 8,500 full text journals, including (a complete listing is available at: <http://tinyurl.com/dh27uk>).

Business Discipline	# Full Text Journals
Advertising	77
Business Communication	33
Demography	57
Marketing & Sales	501
Industries	1250

2. Below is a highly abridged listing of marketing-related electronic journals available to the Stamford Regional Campus from subscription databases:

Advances in Consumer Research	Journal of Health Care Marketing
Advertising Age	Journal of Interactive Advertising
American Demographics	Journal of International Marketing
American Salesman	Journal of Marketing
B to B	Journal of Marketing & Communication
Brand Strategy	Journal of Marketing Communications
Brandweek	Journal of Marketing Management
Consumers' Research Magazine	Journal of Marketing Research
CRM Magazine	Journal of Marketing Theory & Practice
Harvard Business Review	Journal of Medical Marketing
International Journal of Advertising	Journal of Personal Selling & Sales Management
International Journal of Consumer Studies	Journal of Public Relations Research

International Journal of Market Research International Journal of Marketing & Management Research International Journal of Medical Marketing International Journal of Mobile Marketing Journal of Advertising Journal of Advertising Research Journal of Brand Management Journal of Business Strategies Journal of Consumer Affairs Journal of Consumer Behaviour Journal of Consumer Psychology Journal of Consumer Research Journal of Consumer Studies & Home Economics Journal of Current Issues & Research in Advertising Journal of Database Marketing Journal of Database Marketing & Customer Strategy Management Journal of Economics & Management Strategy Journal of Financial Services Marketing	Journal of Social Psychology Journal of Strategic Marketing Journal of Targeting, Measurement & Analysis for Marketing Journal of the Academy of Marketing Science Marketing Bulletin Marketing Education Review Marketing Health Services Marketing Management Marketing Management Marketing Management Journal Marketing News Marketing Research Marketing Review Marketing Science Mediaweek Modern Marketing Precision Marketing Retail Trade Sport Marketing Quarterly
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3. Below are the primary databases designated for business programs at the Stamford Regional Campus:

Key Business Databases:	Coverage
<i>ABI/INFORM Global</i>	full-text articles from scholarly journals and magazines on business and economic conditions, management techniques, theory, practice of business, advertising, marketing, economics, finance, taxation, and computers, 1991-current (fulltext); 1971-current (index & abstracts).
<i>Advertising Red Books</i>	Provides detailed information about domestic and international advertising agencies and advertisers including media types, expenditures on advertising and key personnel.
<i>Business Source Premier</i>	Full-text articles from magazines and scholarly articles as well as industry, market, and company reports.
<i>Factiva</i>	Full-text global news and business information service, combining the content sets of Dow Jones Interactive and Reuters Business Briefing.
<i>Hoover's Company Records</i>	information on 15,000 companies covered by Hoovers
<i>IBISWorld</i>	Covers over 700 industries-- profiles include industry statistics, conditions, key factors, segmentation, market characteristics, etc.
<i>LexisNexis Legal</i>	Primary source materials such as federal and state case law, statutes and codes, federal regulations, international legal materials, and patents. Secondary sources include legal news and law review articles. .
<i>LexisNexis News</i>	National and international newspapers, news transcripts from TV and radio, and company financial reports. .
<i>Mintel Global Navigator</i>	Provides market size, segmentation and market share for thousands of consumer goods categories. Covers 45 countries and 18 industries.
<i>Mergent Online</i>	Business & financial data about U.S. and international public companies. Includes: company data and annual reports. Most recent 15 years; In-depth analysis of industries covering N. America, Asia/Pacific, Europe and Latin America.
<i>Passport GMID (Global Market Information Database)</i>	Statistical data & market research from 205 countries, includes market share and brand share data, industry trends, competitive landscape, demographic and economic data, consumer lifestyles and trends, consumer expenditure, forecasts.

<i>Local Market Audience Analyst</i>	Data on target audience, their attitudes and lifestyles.
<i>Mintel</i>	B2C market research reports on consumer products, lifestyles, retailing, tourism etc. provides market size, market shares, segmentation and forecasts
<i>Standard Rate and Data Service (SRDS)</i>	Find contact information, ad rates and circulation for magazines, newspapers, and radio by Designated Market Areas (DMAs). Also, find demographic profiles for DMAs.
<i>Thomson ONE Banker</i>	Reports by analysts at major investment banking firms from around the world for both companies and industries.

c). New learning materials, which will be added for the program. Indicate when they will be available for student and faculty use.

The proposed Digital Marketing & Analytics major is library resource neutral. No new learning materials are planned at this time.

Program Administration

The proposed Digital Marketing & Analytics major at the Stamford campus will be administered by the Marketing Department at the main campus at Storrs. The Marketing Department Head will have responsibility and authority with respect to the following aspects of the program:

- a. All new/modified courses will be approved by the Marketing Department, the undergraduate committee in the school, and the School of Business faculty
- b. Faculty administration and governance, including performance evaluation, will be under the authority and responsibility of the Marketing Department Head.
- c. All teaching assignments of the program will be the authority and responsibility of the Marketing Department Head.
- d. All academic policies and issues related to the program will be guided by relevant University and School of Business policies and fully ratified by the Marketing Department faculty and School of Business faculty, where appropriate.

The Executive Director of the Stamford campus will serve as the administrator of the major, and the current Stamford staff will provide support for the new major in the following ways:

- a. All recruitment initiatives and admission decisions of the program;
- b. Scheduling of all courses and registration of students;
- c. Counseling of students and guiding them with the requirements of the major leading to graduation;
- d. All routine matters relating to student activities (organizing open houses, meeting during open houses, attendance in classes, conduct in the classroom, transfer credits, routine grading issues, payments of fees and any adjustments thereof, work study, etc.);
- e. All internships (i.e., Professional Practice in Marketing) and placement services;
- f. All promotional and advertising programs and campaigns of the major among business community in the greater Stamford area;
- g. Arranging visits by business professionals to classes and visits by students to area businesses.

As noted in the Financial Resources section, it is imperative that additional support staff, including a faculty member serving as an academic counselor, as well as a Career Counselor and Administrative Assistant, are hired to support the successful delivery of quality School of Business undergraduate education in Stamford.

Faculty

The core School of Business courses in the proposed Digital Marketing & Analytics major are currently being taught as part of the other undergraduate majors in Stamford (Business Administration, Business Data Analytics, and Financial Management) BDA and BSBA programs, and will continue to be taught by existing faculty members. It is anticipated that all Stamford Marketing Faculty will participate in teaching courses relevant to the Digital Marketing & Analytics major. They will be assisted in developing and delivering these courses by faculty who teach these courses in Storrs.

Teaching Faculty

Wynd Harris, Associate Professor In-Residence (Stamford)

Professor Wynd Harris teaches graduate marketing courses in Stamford and leads the Sustainable Community Outreach and Public Engagement (SCOPE) Accelerator, which sponsors entrepreneurship programs for veterans with disabilities, as well as the social entrepreneurship program in Guatemala. She is expected to teach Marketing & Digital Analytics as part of the proposed Digital Marketing & Analytics major. In addition to her work on global marketing and entrepreneurship, Professor Harris specializes in digital marketing, including customer relationship marketing and database marketing. Professor holds a PhD in business administration.

Kevin McEvoy, Assistant Professor In-Residence (Stamford)

Professor Kevin McEvoy teaches Introduction to Marketing Management, Consumer Behavior, and Integrated Marketing Communication in the Digital Age in Stamford. He will continue teaching these courses as part of the proposed Digital Marketing & Analytics major. Professor McEvoy specializes in brand, product and advertising management; sales management, sales force and channel development. He holds an MBA in marketing and a PhD in Business Education.

Proposed New Hire

The proposed Digital Marketing & Analytics major *necessitates* an additional hire at the Stamford campus to support anticipated demand in the marketing core classes (expected with the revision of the Business Data Analytics major, the Financial Management major, and our proposed Digital Marketing & Analytics major), as well as to provide instruction in Digital Marketing classes and expertise in experiential learning initiatives. The proposal is to hire an In-Residence Instructor (Assistant or Associate), with a Ph.D. in business or a business-related field who has both teaching and administrative experience.

Teaching Support Faculty

Zheyin (Jane) Gu, Assistant Professor of Marketing (Storrs; Instructor of Digital Marketing)

Professor Jane Gu teaches Digital Marketing to undergraduate students in Storrs and to graduate students in Hartford. She specializes in digital marketing and analytics, online retailing, social media, and competitive marketing strategy.

Hee Mok Park, Assistant Professor of Marketing (Storrs; Instructor of Marketing and Digital Analytics)

Professor Hee Mok Park teaches MKTG 3101 (Introduction to Marketing Management) and MKTG 3661 (Marketing and Digital Analytics) in Storrs. In addition to holding a PhD in marketing from Michigan, he has a master's degree in statistics from Yonsei University. Professor Park's expertise is in econometrics and digital analytics.

Bill Ryan, Instructor in Residence of Marketing (Storrs, Hartford, and Waterbury)

Bill Ryan teaches Introduction to Marketing Management at the branch campuses and Professional Selling in Storrs. He is expected to teach Digital Marketing in an online format available to Digital Marketing & Analytics majors at Stamford and the other regional campuses. Bill Ryan joined the Marketing faculty in 2011 to head our Professional Sales and Marketing Leadership program. Bill has more than 20 years of private sector experience, most recently at Travelers as Vice President, National Agency Management, where he worked closely with leading brokers and agency networks, representing over \$700 million in annual revenue.

Administrative Support Faculty**Robin A. Coulter, Professor of Marketing and Department Head (Storrs)**

Professor Robin Coulter is Professor of Marketing and Department Head at the University of Connecticut at Storrs. She is also the director of the Executive MBA program. Since joining UConn, Professor Coulter has taught consumer behavior and integrated marketing communications in the undergraduate program, and Market-Driven Management, Global Business Issues, and the Executive Management Project in the Executive M.B.A. program. Professor Coulter also has taught behavioral applications in marketing and research methods in the Marketing Ph.D. program. Professor Coulter's research focuses on consumer behavior issues with strategic marketing implications, with particular attention to global citizenship and cross-cultural consumer behavior, branding in developed and emerging markets, digital imaging and visualization in consumer research, and numerical cognition and pricing.

Nicholas Lurie, Associate Professor of Marketing (Storrs)

Nicholas Lurie is ING Professor and Associate Professor of Marketing at the University of Connecticut in Storrs. He teaches regular and honors sections of MKTG 3101 (Introduction to Marketing Management) as well as a PhD seminar in consumer behavior at the Storrs campus. He coordinates the teaching of MKTG 3101 at Storrs and the branch campuses. Professor Lurie's research focuses on digital marketing. He is particularly interested in the implications of information visualization, mobile devices, consumer-created content, and social media, for digital marketing.

Anticipated Teaching Responsibilities (based on data from Spring 2014)

Course	New /Existing Course	Core/elective	Faculty	New Faculty?
School of Business Core Courses				
ACCT 2001	existing	Core	Hurley	no
ACCT 2101	existing	Core	Orticelli	no
BADM 4075W	existing	Core	Young	no
BADM 4072	existing	Core	Kennedy	no
BLAW 3175	existing	Core	Carrafiello	no
MGMT 3101	existing	Core	Brady	no
MGMT 4902	existing	Core	Noble	no
MKTG 3101	existing	Core	McEvoy	no
OPIM 3103	existing	Core	Dowding	no
OPIM 3104	existing	Core	Dowding	no
FNCE 3101	existing	Core	Knopf	no
Required Marketing Electives				
MKTG 3208 or MKTG 3260	existing	Elective	McEvoy/Rajan	No/adjunct
MKTG 3665			New faculty	new
MKTG 3661			New faculty	new
Other School of Business Electives				
MKTG 3452			McEvoy	no
MKTG 3757			TBD	
MKTG 3625			McEvoy	no
MKTG 4891			New Faculty	new
OPIM 3510			TBD	
OPIM 3511			TBD	
*To be taught by new full-time faculty member **To be taught by adjunct faculty until new full-time faculty is hired.				

The Directors at the Stamford and Waterbury campuses report that all general education and core School of Business requirements of the proposed Digital Marketing & Analytics major are currently being offered in Stamford.

Similar Programs in Connecticut

We expect that the proposed Digital Marketing & Analytics major will draw students mainly from the greater Fairfield County and the business corridor from Stamford to New Haven. Four-year degree granting institutions in southwestern Connecticut that offer undergraduate programs in marketing are listed below. We classify the schools in groups of AACSB-Accredited and non-AACSB Accredited

programs. The location of the School of Business in Stamford, with many corporate headquarters, will be an important draw for students.

Institution	Location	Program
AACSB Accredited		
Fairfield University	Fairfield	Marketing Major
Sacred Heart University	Fairfield	Marketing Major (concentration in digital advertising)
Quinnipiac University	Hamden	BS in Marketing
Non-AACSB Accredited		
Albertus Magnus College	New Haven	Marketing Concentration
Post University	Waterbury and online	B.S. in Marketing
Southern CT State University	New Haven	Marketing Concentration
University of Bridgeport	Bridgeport	B.S. in Marketing
University of New Haven	West Haven	B.S. in Marketing
Western CT State University	Danbury	Marketing Major (interactive marketing option)

We note that UConn is offering a BA and BFA in Digital Media and Design. The majority of courses in this major are focused on design, art, and creativity, and thus are excellent complements to the proposed Digital Marketing & Analytics major—which focuses on marketing, business strategy, and analytics, supported by the full undergraduate core School of Business curriculum.

Conclusion

The proposed Digital Marketing & Analytics major has much to offer to UConn, existing and prospective students and employers. UConn has Storrs-based and Stamford-based faculty who have assisted with program and curriculum development. Further, many of the faculty have a vested research interest in digital marketing. With the growing digital marketing and analytics job opportunities in the greater Stamford area, our large alumni base between New York City and Stamford, our research-oriented faculty, the persistent feedback from our students requesting a marketing major, and the large investment in the UConn-Stamford campus by the University and the state government, the delivery of this proposed major is timely, and has great potential to play a significant strategic role in the economic development of the greater Fairfield County area, and continues the State's investment in STEM-related activities.

ATTACHMENT 7

June 25, 2014

TO: Members of the Board of Trustees
FROM: Mun Y. Choi, Provost
RE: Master of Science in Human Resource Management in the School of Business

RECOMMENDATION:

That the Board of Trustees approve the Master of Science in Human Resource Management in the School of Business.

BACKGROUND:

The current Master of Professional Studies in Human Resource Management (MPS HRM) is a 36-credit online-only program previously offered by the Center of Continuing Studies and transferred in 2012 to the School of Business. The redesigned program is a Master of Science degree requiring 33 credits and will be a part-time hybrid on-campus program, initially located at the Graduate Business Learning Center in Hartford. The program is designed for professionals seeking skills to effectively lead and manage the complexity of human resources in a dynamic global environment.

The proposed degree has been designed, to the extent possible, to draw on existing courses, faculty, and resources while complementing other graduate offerings by the School of Business, particularly the MBA programs. Specific faculty are currently being identified for the courses based on expertise, availability, and interest in the curriculum. A blend of full-time research-active, full-time practice-based, and adjunct faculty will teach in the program in keeping with AACSB-accreditation standards. Previously, the program was not subject to AACSB-accreditation standards and offered courses taught primarily by adjunct instructors. This is a significant change that will improve the learning outcomes for the students and ensure that the MS HRM program meets the School of Business's standards. The program is expected to be self-sustaining by fiscal year 2016.

Item: **Master of Science in Human Resource Management**

Background & Description

The School of Business proposes a redesign of the current Master of Professional Studies in Human Resource Management (MPS HRM), a 36-credit online-only program previously offered by the Center of Continuing Studies, currently transitioning to the School of Business. As part of that transition, the School of Business is proposing curriculum and degree changes. We are seeking to change the degree to a 33-credit Master of Science in Human Resource Management (MS HRM).

The Master's in Human Resource Management is a part-time on-campus program designed for professionals seeking skills to effectively lead and manage the complexity of human resources in a dynamic global environment. Courses will be offered at the Graduate Business Learning Center in Hartford, or at regional campuses in Stamford and Waterbury as demand is expressed. Nearly all courses will be available to MBA students as space permits. The program is designed for cohort of 20-30 students to complete the degree requirements in 22 months starting in the fall semester.

Courses will be offered online to support legacy MPS HRM students' completion of degree requirements. It is anticipated that most students in the MPS HRM degree program will complete their requirements by spring 2015.

Reasons for the Proposed Program/Modification/Discontinuation

A benchmark market study completed this fall indicated that of the fourteen programs reviewed from peer, aspirant, and other universities, one university (Minnesota) offered a Master of Arts program, one university (Penn State's World Campus) offered a Master of Professional Studies, and all of the other programs offered a Master of Human Resources/Industrial Relations or a Master of Science in Human Resources. In discussions with industry leaders, faculty, and potential students, it was expressed that a Master of Science is considered a more valuable degree than a Master of Professional Studies. Additionally, all of the other specialized Master's programs in the School of Business are Master of Science degrees.

Curriculum & Program Outline

MS HRM Degree Requirements (33 credits)

- **Baseline Knowledge (6 credits required)**
 - MGMT 5675 Business Acumen and Strategic Management of Human Resources
 - MGMT 5138 Managing Organizations
- **Core Functional Skills (9 credits required)**
 - MGMT 5678 Total Rewards and Performance Management
 - MGMT 5676 Human Capital and Workforce Capability Development
 - MGMT 5680 Talent Management Through the Employee Lifecycle
- **Core Cross-Functional Skills (9 credits required)**
 - MGMT 5650 Interpersonal Relations, Influence, and Ethical Leadership

- MGMT 5401 Managing Risk in the Workplace
- MGMT 5377 Human Resource Metrics and Talent Analytics
- **Electives (6 credits required)**
 - MGMT 5420 Employee and Labor Relations
 - MGMT 5674 Negotiation Strategies
 - MGMT 5223 Managing Innovation and Change
 - BLAW 5202 Employment Law
 - MGMT 5639 Global Diversity and Inclusion
 - MGMT 5672 Leading Yourself
 - MGMT 5250 Consultative Management for Business Function Professionals
 - MGMT 5893 Management Internship (number of credits varies)
 - Other graduate business courses
- **Capstone (3 credits required)**
 - MGMT 5805 Human Resources Management Capstone

Offered courses will vary as MPS HRM students complete their degree requirements and anticipated cross-enrollment with the part-time MBA program. Some of the HRM courses will continue to be offered by the part-time MBA programs in Hartford, Waterbury, and Stamford. Generally, 4-5 courses will be offered by the HRM program each fall and spring term, and 3-4 courses will be offered for summer session.

Learning Outcomes

Upon completion of the MS HRM program, students will be able to develop the skills and knowledge needed to become a strategic HR leader which include:

- Design appropriate HRM metrics and other HRM analytics to make informed decisions that enhance the effectiveness of the recruitment, training, development, and retention of human resources and align the HRM strategy with the overall organizational strategy and purpose;
- Integrate HR and business best practices to enable human capital acquisition, development, and retention;
- Appraise and apply techniques in talent management that human resource professionals may use to facilitate effective position planning, talent selection, placement, compensation and rewards, as well as retention;
- Develop reasoned recommendations based on professional standards and practices for ethical conduct, legal requirements, and regulatory guidelines in human resource management that are in the best interest of the individual, the organization, and the macro environment;
- Develop effective solutions to complex business problems related to human capital and human resources needs and issues by applying critical-thinking and analytical skills;
- Use best practices in HRM to promote strategic organizational design, culture, and change.

Enrollment & Graduation Projections

Admission to the current MPS HRM program occurs for all semesters; in the proposed MS HRM, admissions will occur only for fall term.

Currently, 62 students are enrolled in the MPS HRM program. More than 40 are expected to graduate over the next two years. 19 current students are anticipated to transition to the new degree program or the certificate program and complete their studies by summer 2016. We are expecting to recruit a cohort of 20 students for fall 2014 who will also graduate in summer 2016.

	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Summer 2016	Fall 2016	Summer 2017
New Students	6	20	0	35	0	35	0
Ongoing MSHRM Students		14	34	34	35	35	35
Legacy MPS HRM Students	34	26	0	0	0	0	0
Graduates	14	0	26	0	34	0	35
Incomplete/Inactive	8	0	0	0	0	0	0
Total Enrollment	62	60	60	69	69	70	70

Financial Resources

The HRM program is currently managed by the Department of Management in the School of Business. After an initial investment by the School of Business in course development, curriculum updates, marketing and recruitment, the program is expected to be self-sustaining by FY16. The program will utilize the \$750/credit hour fee structure.

Facilities/Equipment/Library/Special Resources

The program will be offered at the Graduate Business Learning Center in Hartford. Support will be provided by program staff within the Department of Management in the School of Business. Students will have access to all of the School of Business and UConn resources but will not require any special resources or equipment.

Program Administration

Greg Reilly, Academic Director
 Melissa Carver Sottile, Assistant Director
 Cheri Dondero, Program Administrator

Faculty

Specific faculty are currently being identified for the courses based on expertise, availability, and interest in the curriculum. A blend of full-time research-active, full-time practice-based, and

adjunct faculty will be teach in the program in keeping with AACSB-accreditation standards. Previously, the program was not subject to AACSB-accreditation standards and thus was able to offer courses taught primarily by adjunct instructors. This is a significant change that will improve the learning outcomes for the students and ensure that the MS HRM program meets the School of Business's standards.

Similar Programs in Connecticut or Region

Most master's programs in human resources are full-time, on-campus programs. The only part-time program offered by an AACSB-accredited business school in the region is Sacred Heart. HR programs in the region are:

- Sacred Heart University (starting fall 2014 – on-campus only)
- Eastern Connecticut State University (Bachelor's degree only)
- University of New Haven (MS in Labor Relations – on-campus only)
- Walden University (MS in Human Resource Management – online only)

There are several national online master's programs, only one of which (Utah State) is offered by an AACSB-accredited business school. While Penn State's business school is also AACSB-accredited, its program is offered by their World Campus, an online-only college separate from the business school, and not AACSB-accredited. Online part-time master's programs include:

- Utah State (Master of Science in Human Resources executive hybrid program)
- Penn State (MPS in Human Resources and Employment Relations)
- Pace University (MS in Strategic Global HR Management)
- DeVry University (Master of Human Resource Management)
- Southern New Hampshire University (MS in Human Resource Management)

ATTACHMENT 8

June 25, 2014

TO: Members of the Board of Trustees
FROM: Mun Y. Choi, Provost
RE: Advanced Business Certificate in Human Resource Management in the School of Business

RECOMMENDATION:

That the Board of Trustees approve the Advanced Business Certificate in Human Resource Management in the School of Business.

BACKGROUND:

The Advanced Business Certificate in Human Resource Management (ABC HRM) is an on-campus option for graduate business students seeking a concentration in Human Resources and for current professionals seeking a focused study in Human Resources. With an expected completion time of two semesters, the Certificate consists of four courses. As all of the Certificate courses are also part of the Master's degree, the Certificate is designed to support students who choose to transition from the Certificate to the full-degree program.

Traditionally, demand for human resource management courses outside of the degree program has been high, not only within the MBA programs but also with non-degree students. The Certificate in Human Resource Management will offer an attractive four-course sequence for students who want to either supplement their graduate degree work or would like to gain some exposure to Human Resources without committing to the full degree program. Some of the courses will be offered by the part-time MBA programs in Hartford, Waterbury, and Stamford, and some will be offered in a hybrid format by the Master of Science in Human Resource Management program.

No additional resources will be required for the certificate.

Item: **Advanced Business Certificate in Human Resource Management**

Background & Description

The Advanced Business Certificate in Human Resource Management (ABC HRM) is an on-campus option for graduate business students seeking a concentration in Human Resources and for current professionals looking for a focused study in Human Resources. The certificate consists of four courses described below, one of which – MGMT 5138 – is required of all students. Expected completion time for the certificate is two semesters.

The Society for Human Resource Management (SHRM) offers a series of certificates, accreditations, and exams. We are investigating alignment with SHRM's curriculum and/or offering elements of SHRM's non-degree certificate program in the future. Currently, the Connecticut chapter of SHRM offers these programs in partnership with University of Saint Joseph, Eastern Connecticut State University, Fairfield University, and Pace University. The cost of the 12-week certification course ranges from \$1,125 to \$1,399, with a similar cost for recertification courses.

Reasons for the Proposed Program/Modification/Discontinuation

The current HRM program was offered by the Center for Continuing Studies, and transitioned to the School of Business this year. In the past, some limited enrollment in a few HRM classes was offered to Business graduate students. Each class had a waitlist, and many students were turned away from the class because of limited seats. Demand for these courses outside of the degree program is high, within the MBA programs and from non-degree students. The certificate will offer an attractive four-course sequence for students who want to either supplement their graduate degree work or would like to gain some exposure to Human Resources without committing to the full degree program.

Curriculum & Program Outline

Required course

- MGMT 5138 Managing Organizations

Elective courses

- **Baseline Knowledge**
 - MGMT 5675 Business Acumen and Strategic Management of Human Resources
 - MGMT 5138 Managing Organizations (required)
- **Core Functional Skills**
 - MGMT 5678 Total Rewards and Performance Management
 - MGMT 5676 Human Capital and Workforce Capability Development
 - MGMT 5680 Talent Management Through the Employee Lifecycle
- **Core Cross-Functional Skills**
 - MGMT 5650 Interpersonal Relations, Influence, and Ethical Leadership
 - MGMT 5401 Managing Risk in the Workplace

- MGMT 5377 Human Resource Metrics and Talent Analytics
- **Area-specific Skills**
 - MGMT 5420 Employee and Labor Relations
 - MGMT 5674 Negotiation Strategies
 - MGMT 5223 Managing Innovation and Change
 - BLAW 5202 Employment Law
 - MGMT 5639 Global Diversity and Inclusion
 - MGMT 5672 Leading Yourself
 - MGMT 5250 Consultative Management for Business Function Professionals
 - MGMT 5893 Management Internship

Some of the courses will be offered by the part-time MBA programs in Hartford, Waterbury, and Stamford, and some will be offered on-campus through the proposed Master's in Human Resources Management program, or online through the legacy Master's of Professional Studies in Human Resources Management program. Students will not be able to complete the entire certificate online, but may be able to take a few of the courses online.

Learning Outcomes

Upon completion of the ABC in HRM, students will be able to demonstrate some of the skills and knowledge needed to become a strategic HR partner which include:

- Develop effective solutions to complex business problems related to human capital and human resources needs and issues by applying critical-thinking and analytical skills;
- Use best practices in HRM to promote strategic organizational design, culture, and change.

Enrollment & Graduation Projections

It is expected that 5-10 students will complete the ABC HRM per year in the program's steady state. This will supplement the MS HRM and MBA programs, as the courses offered are part of those degree programs.

Financial Resources

The HRM program is currently managed by the Department of Management in the School of Business, and the program will utilize the \$750/credit hour fee structure.

Facilities/Equipment/Library/Special Resources

The program will be offered at the Graduate Business Learning Center in Hartford. Program staff within the Department of Management in the School of Business will provide administrative support. Students will have access to all of the School of Business and UConn resources, and the program will not require any special resources or equipment.

Program Administration

Greg Reilly, Academic Director
Melissa Carver Sottile, Assistant Director
Cheri Dondero, Program Administrator

Faculty

Specific faculty are currently being identified for the courses based on expertise, availability, and interest in the curriculum. A blend of full-time research-active, full-time practice-based, and adjunct faculty will be teach in the program in keeping with AACSB-accreditation standards.

Similar Programs in Connecticut or Region

- Fairfield University – Graduate Certificate
- University of Bridgeport – Undergraduate Certificate
- University of New Haven – Graduate Certificate
- Post University – Undergraduate Certificate
- Sacred Heart University – Graduate Certificate

ATTACHMENT 9

June 25, 2014

TO: Members of the Board of Trustees
FROM: Mun Y. Choi, Provost
RE: Certificate Program in Holistic Nursing

RECOMMENDATION:

That the Board of Trustees approve the Certificate Program in Holistic Nursing.

BACKGROUND:

Holistic Nursing focuses on healing the whole person and recognizes the interrelationship of the bio-psychosocial-cultural-spiritual-energetic-environmental dimensions of the person. It emphasizes promoting health and wellness, and supporting people to evoke their maximum potential. The holistic nurse partners with individuals, families, and communities to promote healing while honoring the individual's subjective experience about health and illness.

The UConn School of Nursing proposes a Certificate in Holistic Nursing for nurses who are interested in gaining a holistic perspective in nursing practice and everyday living. The certificate program is also appropriate for nurse leaders who are responsible for educational programs. The primary audience is individuals in the nursing profession practicing in area health care organizations and UConn students pursuing graduate degrees in nursing. A limited number of seats will also be available for UConn honors undergraduate students.

The Certificate is comprised of a three-course sequence. Courses are a mix of online and in-person meetings. It is anticipated that the program will have approximately 30 enrollments per year. This figure is based on approximately 10 students in each of the three courses offered per year. It is expected that the revenue generated by program enrollments will cover expenses incurred. Enrollment will be reserved for students matriculated in the graduate certificate program with seats made available to other matriculated graduate students on the basis of availability. The typical student will be able to complete all requirements for the certificate in one year. The \$750/credit hour comprehensive fee applies to enrollments in this certificate program.

Item: **Certificate Program in Holistic Nursing**

Background & Description

The field of holistic nursing is growing rapidly due to the changing health care climate and a recognition of the benefits of integrating traditional health care with a patient-centered approach that is focused on health and healing, and integrates complementary and alternative modalities. According to the American Holistic Nurses Association, which serves over 4,500 members throughout the U.S., holistic nursing is defined as “all nursing practice that has healing the whole person as its goal” (American Holistic Nurses’ Association, 1998, Description of Holistic Nursing; <http://www.ahna.org/About-Us/What-is-Holistic-Nursing>). With the increased interest in alternative medicine, holistic nursing has risen in visibility and importance to both patients and practitioners alike, but it typically is not covered in standard nursing programs.

Holistic Nursing focuses on healing the whole person and recognizes the interrelationship of the bio–psychosocial-cultural-spiritual-energetic-environmental dimensions of the person. It emphasizes promoting health and wellness, and supporting people to evoke their maximum potential. The holistic nurse partners with individuals, families, and communities, to promote healing while honoring the individual's subjective experience about health and illness.

The Certificate Program in Holistic Nursing is designed to be a hybrid program whose primary targeted audience is individuals with a BS in the nursing profession practicing in area health care organizations and UConn students pursuing graduate degrees in nursing.

Program Description

The School of Nursing proposes a Certificate Program in Holistic Nursing for nurses interested in integrating holistic principles and evidence-based modalities in their professional practice. The certificate program is also appropriate for nurse leaders who are responsible for educational programs. The program is open to non-UConn students and UConn nurses and nursing students. The certificate program is comprised of a three-course sequence. Courses are a mix of online and in-person meetings.

Reasons for the Proposed Program/Modification/Discontinuation

The Certificate Program in Holistic Nursing conforms to a national priority and meets an educational need at UConn, regionally, and nationally. No comparable program exists at UConn.

Curriculum & Program Outline

The Certificate Program in Holistic Nursing is comprised of three required courses (9 credits):

NURS 5001 Holistic Nursing Part 1: Basic Concepts (Fall)

Students will learn about the science of holistic care and the latest research on the efficacy and safety of a variety of complementary and alternative modalities (CAM). This course was developed around the five core values and scope and standards of holistic nursing and provides

nurses with the educational foundation required to take the national board certification examination in holistic nursing.

Course learning objectives:

1. Describe the scope and standards of holistic nursing.
2. Describe psycho-physiological responses to stress and relaxation.
3. Explore nutrition as a health maintenance and disease prevention strategy.
4. Integrate the use of therapeutic communication into practice.
5. Critically evaluate ways in which complementary and alternative modalities such as guided imagery, meditation, and music promotes healing with patients using evidence based research.
6. Apply the nursing process to design, implement, and evaluate holistic nursing interventions to provide preventative, curative, supportive, and restorative care for individuals, families, and groups.

NURS 5002 Holistic Nursing Part 2: Advanced Concepts (Spring)

This course introduces students to advanced concepts in holistic nursing. Major concepts of health and wellness, body-mind healing, spirituality and health, selected complementary and alternative modalities, and evidenced-based practice are highlighted. Participants engage in experiential activities that explore and analyze a range of practices that are applicable for providing holistic care in a variety of health care settings.

Course learning objectives:

1. Demonstrate knowledge of holistic health practices related to mind-body healing.
2. Examine the interconnections of mind modulation and the autonomic, endocrine, immune, and neuropeptide systems.
3. Examine the concepts of spirituality and intentionality as aspects of holistic nursing to promote self-healing and wellness.
4. Critically evaluate ways in which holistic modalities such as Reiki, healing touch, aromatherapy, and yoga promote healing with patients using evidence-based research.
5. Explore transformational leadership to serve as leaders, change agents, and role models in holistic nursing.
6. Analyze local and national health care trends and issues and their affect on the role of the holistic nurse in achieving the goals of Healthy People 2020.

NURS 5003 Holistic Nursing Practicum (Spring and Summer)

This course provides students with an opportunity to apply theory from holistic nursing to individuals, families, and community groups in a variety of health care settings. Focus is on relationship-centered holistic care and selected CAM modalities applied across the wellness-illness continuum in collaboration with other members of the health care team. Selected readings, clinical experiences, and practicum project are determined in collaboration with faculty. Course may be taken concurrently or following Holistic Nursing Part 2: Advanced Concepts.

Course learning objectives:

1. Apply the nursing process in the holistic care of individuals, families, groups and populations.
2. Demonstrates ability to make clinical decisions based on scientific, theoretical, legal and ethical knowledge of holistic nursing.
3. Validate clinical decisions with appropriate preceptors.
4. Incorporate lived experience in caring for individuals, families, groups and/or populations.
5. Demonstrate respect for the values and beliefs of self and others in care-giving situations.
6. Collaborate with members of the health care team in delivering holistic focused nursing care to clients.

Learning Outcomes

At the completion of the program, students will be able to:

1. Gain knowledge in the core principles and scope and standards of practice related to holistic nursing.
2. Gain knowledge in the historic and contemporary theories and models, definitions, and popular perceptions of holistic nursing, and apply them in addressing issues in health systems, services, practices, policy and research.
3. Gain knowledge in the methods, effectiveness, and impact of holistic-based research, and apply them in developing evidence-based programs, policy, advocacy, and dissemination of information related to holistic nursing.
4. Gain knowledge and skills in selected complementary and alternative modalities relevant to holistic nursing.
5. Integrate concepts and modalities of holistic nursing into professional nursing care for individuals, families, groups and populations

Enrollment & Graduation Projections

The \$750/credit hour comprehensive fee applies to enrollments in this certificate program.

It is anticipated that the program will have approximately 30 enrollments per year. This figure is based on approximately 10 students in each of the three courses offered per year. It is expected that the revenue generated by program enrollments will cover expenses incurred. Enrollment will be reserved for students matriculated in the Certificate Program with seats made available to other matriculated graduate students on the basis of availability.

The typical student will be able to complete all requirements for the certificate program in one year.

Financial Resources

The School of Nursing will coordinate the Certificate Program in Holistic Nursing.

eCampus will provide instructional design support and stipends to course developers. A portion of the revenue generated by student fees will be returned to the School, allowing the program to be self-sustaining.

Facilities//Equipment/Library/Special Resources

Students in the program will have access to UConn library resources and other resources available to all other matriculated students (HuskyCT, technical support, etc.)

Classrooms will be needed for live components of the program.

Program Administration

Lead program administration will be provided by Colleen Delaney, Associate Professor in the School of Nursing.

Faculty

Colleen Delaney PhD, RN, AHN-BC

Dr. Delaney is an elected member of the Board of Directors of the American Holistic Nurses Association and is board-certified in Advanced Holistic Nursing.

Selected topics in the two courses will be taught by guest instructors with nationally recognized expertise in the subject areas. In addition, practicum preceptors will be arranged by Dr. Delaney with holistic nurses with MS degrees in nursing and specialized knowledge and expertise in an area of holistic nursing selected by students.

Similar Programs in Connecticut or Region

The UConn Center for Excellence in Teaching and Learning eCampus completed an analysis to ensure that the program not only met a Connecticut and regional educational need, but also did not duplicate or otherwise conflict with other academic initiatives.

From an academic perspective, many undergraduate schools of nursing in the U.S. are offering elective courses in holistic nursing and there are a growing number of graduate programs in holistic nursing as well. Some continuing education courses in this nursing specialty are offered regionally and nationally. In Connecticut, Quinnipiac University undergraduate and graduate nursing programs are endorsed by the American Holistic Nurses Association; however, the content is integrated throughout the curriculum without specific courses devoted to holistic nursing. Existing continuing education programs in holistic nursing are either completely online or live rather than presented in a hybrid format. No other similar courses are offered in Connecticut universities.

Based on the above, it is concluded that the Certificate Program in Holistic Nursing meets a substantial need in Connecticut and regionally, as no comparable academic programs exist in Connecticut, and although similar courses in holistic nursing do exist nationally and regionally, the Certificate Program in Holistic Nursing is unique in its focus, design, and content.

ATTACHMENT 10

June 25, 2014

TO: Members of the Board of Trustees
FROM: Susan Herbst 
RE: Re-Appointment of Board Representative to the Connecticut Agricultural
Experiment Station Board of Control

RECOMMENDATION:

That pursuant to Connecticut General Statutes Chapter 426, Sec. 22-79, Mr. Paul C. Larson be reappointed as the Board representative to the Connecticut Agricultural Experiment Station Board of Control for a three-year term beginning July 1, 2014.

BACKGROUND:

Mr. Larson was first appointed in 2008. He is a 1983 graduate of the College of Agriculture and Natural Resources and is a member of several horticulture organizations. In 2003, Mr. Larson was appointed by the Legislature to serve on the newly formed Connecticut Invasive Plants Council to address the issue of non-native invasive plants in Connecticut.

The following is the State statute, Chapter 426, Sec. 22-79, which authorizes the Board of Trustees to appoint an appropriate representative to the Connecticut Agricultural Experiment Station Board of Control.

“Sec. 22-79. Connecticut Agricultural Experiment Station. Board of control. The Connecticut Agricultural Experiment Station shall be within the Department of Agriculture for administrative purposes only. The management of the Connecticut Agricultural Experiment Station shall be vested in a board of control, consisting of eight members, one of whom shall be the Commissioner of Agriculture or some person to be selected by him, one of whom shall be selected by the Board of Trustees of The University of Connecticut, one by the governing board of the Sheffield Scientific School and one by the Board of Trustees of Wesleyan University, and two of whom shall be appointed by the Governor. The Governor and the director of the station shall be, ex officio, members of said board of control. The members of the board shall continue in office for the term of three years from the first day of July next succeeding their appointment. Upon the death or resignation of a member of the board, the authority or institution by which such member was appointed shall fill the vacancy.”

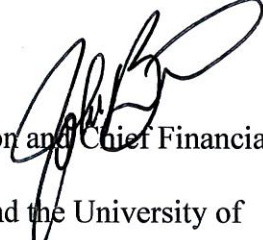
ATTACHMENT 11

June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

RE: Agreement between the Law School Foundation and the University of Connecticut



RECOMMENDATION

The University recommends that the Board of Trustees approve the Agreement between the University of Connecticut Law School Foundation ("LSF") and the University of Connecticut School of Law.

BACKGROUND

The LSF is a standalone legal entity, separate from the University of Connecticut Foundation, Inc. (the "**Foundation**"). The LSF has its own board and maintains separate finances.

The University and the Foundation have long had a written agreement between them. The LSF has not had such an agreement. A written agreement is required by Section 4-37f(9) of the General Statutes. The statute defines the minimum provisions of such an agreement.

The recommendation is that the Board of Trustees approve what will be the initial written Agreement between the LSF and the University. The primary objective of this Agreement is to comply with the statute. Accordingly, the proposed Agreement tracks closely the requirements of Section 4-37f(9).

This LSF Agreement is less comprehensive than the agreement between UConn and the Foundation. For example, the LSF Agreement does not address fundraising objectives, investment objectives and similar matters.

The expectation is that during the next fiscal year, the LSF and the University will work on developing a more comprehensive agreement that addresses these matters.

Nevertheless, the proposed Agreement does commit the LSF to do a number of things to the benefit of the Law School, even though it does not do all of the things that the Foundation-UConn agreement does. For example, the LSF commits to establish and maintain an investment policy that conforms to the Uniform Prudent Management of Institutional Funds Act. The LSF gives the Law School a prospective release of liability for LSF activities. The LSF makes commitments respecting the reimbursement of certain Law School expenses. The LSF commits to follow the Law School's rules respecting the use of state property.

Accordingly, it is recommended that the Board of Trustees authorize the University to enter into a written Agreement with the LSF in order to comply with statutory requirements, but with the expectation that a more comprehensive agreement will be developed no later than the 2015-16 Fiscal Year.

AGREEMENT

This Agreement is entered into by and between The University of Connecticut Law School Foundation, Inc. (the "Foundation") and the University of Connecticut School of Law (the "Law School"), effective on the Effective Date as hereinafter defined. Throughout this Agreement, the term "Party" shall refer to the Foundation or the Law School, and the term "Parties" shall refer to the Foundation and the Law School.

WHEREAS, the Foundation is a non-stock corporation organized under the laws of the State of Connecticut; and

WHEREAS, the Foundation was established for the principal purpose of supporting and improving the Law School; and

WHEREAS, the Law School is a "State agency" and a "public institution of higher education," as those terms are defined in Section 4-37e of the Connecticut General Statutes; and

WHEREAS, Section 4-37f(9) of the Connecticut General Statutes requires that there be a written agreement between any State agency and any foundation established for the principal purpose of supporting or improving such State agency;

NOW, THEREFORE, for good and sufficient consideration, the sufficiency and receipt of which is hereby acknowledged, the Parties, intending to comply with Section 4-37f(9) of the Connecticut General Statutes, enter into this Agreement.

1. USE BY THE FOUNDATION OF THE LAW SCHOOL'S FACILITIES AND RESOURCES.

1. The Foundation recites that it is a party to a lease with the University of Connecticut, entered into on July 21, 2008 and amended on or about November 19, 2013, by which it leased certain office space located in Rooms 233 and 234 of the building known as Starr Hall, 45 Elizabeth St., Hartford, Connecticut, together with the right to means of ingress into and egress out of the building, through October 15, 2018 (the "Lease"). This Agreement does not alter, and is not intended to alter, any term of the Lease, which remains in effect in accordance with its terms.
2. The Law School shall provide storage space, office furniture and equipment, utilities, photocopying services and computer systems used by the Foundation and/or the Foundation's employees. The Foundation and its employees shall comply with Law School and/or State of Connecticut statutes, regulations or rules respecting the use of state-owned or Law School-owned property, including provisions that, in substance, prohibit the use of such property for personal purposes.
3. The Law School shall have no obligation to maintain any books and records of the Foundation, except as required by statute or other applicable law, and except as provided in Article 5.2.

2. EACH PARTY NOT LIABLE FOR ACTS OR OMISSIONS OF THE OTHER.

Neither Party shall be liable for the obligations, acts or omissions of the other Party, or for the obligations, acts or omissions of the trustees, officers, employees and/or agents of the other Party.

3. REIMBURSEMENT OF EXPENSES.

The Foundation shall reimburse the Law School for expenses the Law School incurs as a result of Foundation operations, if the Law School would not have otherwise incurred such expenses.

4. INVESTMENT AND SPENDING POLICY.

The Foundation shall establish and adhere to a written investment policy and a written spending policy. The investment policy and the spending policy shall, at all times, comport with the Connecticut Uniform Prudent Management of Institutional Funds Act, Conn. Gen. Stat. 45a-535 *et seq.*

5. CESSATION OF FOUNDATION ACTIVITIES.

In the event that the Foundation ceases to exist, or ceases to be a foundation as defined in Section 4-37e of the Connecticut General Statutes:

1. The Foundation shall be prohibited from using the name of the Law School in its own name or for any other continuing business or commercial purpose.
2. The records of the Foundation, or copies of such records, shall be made available to and may be retained by the Law School, provided any such records or copies which are retained by the Law School shall not be deemed to be public records and shall not be subject to disclosure pursuant to the provisions of Section 1-210 of the Connecticut General Statutes.
3. The Foundation's Board of Directors will, in consultation with the Law School, dispose of the Foundation's assets, consistent with the Foundation's certificate of incorporation, its bylaws, state and federal laws, and such restrictions as may have been imposed by donors.

6. EFFECTIVE DATE.

The "Effective Date" of this Agreement is the first date on which all of the following conditions obtain:

1. The Agreement has been signed by the authorized representative of the Foundation.

2. The Agreement has been signed by the Dean of the Law School.
3. The Agreement has been approved by the Board of Trustees of the University of Connecticut pursuant to Section 4-37f(9) of the Connecticut General Statutes.

7. NON-DISCRIMINATION.

1. The Foundation agrees and warrants that in the performance of the Agreement it will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Foundation that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the State of Connecticut; and the Foundation further agrees to take affirmative action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by the Foundation that such disability prevents performance of the work involved.
2. The Foundation agrees and warrants that in the performance of the Agreement it will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the state of Connecticut, and that employees are treated when employed without regard to their sexual orientation.
3. The Foundation agrees, in all solicitations or advertisements for employees placed by or on behalf of the Foundation, to state that it is an “affirmative action-equal opportunity employer” in accordance with regulations adopted by the Connecticut Commission on Human Rights and Opportunities (the “Commission”).
3. The Foundation agrees to provide each labor union or representative of workers with which the Foundation has a collective bargaining agreement or other agreement or understanding and each vendor with which the Foundation has an agreement or understanding, a notice to be provided by the Commission, advising the labor union or workers’ representative of the Foundation’s commitments under this section and to post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The Foundation agrees to comply with each provision of Sections 4-60 and 4-60a of the Connecticut General Statutes; with Sections 46a-68e and 46a-68f, and with each regulation or relevant order issued by the Commission pursuant to Sections 46a-56, 46a-68e and 46a-68f.
5. The Foundation agrees to provide the Commission with such information requested by the Commission, and permit access to pertinent books, records and

accounts, concerning the employment practices and procedures of the Foundation as relate to the provisions of Sections 4-60, 4-60a and 46a-56 of the Connecticut General Statutes.

8. EXECUTIVE ORDERS OF THE GOVERNOR.

This Agreement is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of this Agreement as if they had been fully set forth in it. At the Foundation's request, the Law School shall provide a copy of these orders to the Foundation. The Agreement may also be subject to Executive Order Nos. 3 of Governor M. Jodi Rell, promulgated December 15, 2004, concerning state government contracting process and procedures, Executive Order No. 7C of Governor M. Jodi Rell, promulgated July 13, 2006, concerning contracting reforms and Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services, in accordance with their respective terms and conditions.

9. GENERAL PROVISIONS.

1. This Agreement shall be governed by the laws of the State of Connecticut.
2. This Agreement may be revoked, altered or amended only in a writing:
 - a. signed by a duly authorized representative of the Foundation;
 - b. signed by the then-serving Dean of the Law School; and
 - c. approved by the Board of Trustees of the University of Connecticut in accordance with Section 4-37f(9) of the Connecticut General Statutes.
3. In interpreting this Agreement:
 - a. the Agreement shall be deemed to have been drafted jointly by both Parties, and no ambiguity or uncertainty arising herein shall be presumptively construed against one Party or the other on the basis of authorship;
 - b. interpretations that comply with, but do no more than comply with, Section 4-37f(9) of the Connecticut General Statutes and other applicable law are to be preferred over interpretations that (i) do not comply with Section 4-37f(9) and other applicable law, or (ii) would require compliance beyond that required by Section 4-37f(9) or other applicable law. The Parties state that it is their intention that this Agreement constitute compliance with Section 4-37f(9) but impose no obligations on

either Party beyond those required by Section 4-37f(9) and other applicable law; and

- c. the headings used in this Agreement are included for convenience and organizational purposes only, and do not constitute any portion of the terms of this Agreement, and shall not control or affect the meaning, interpretation or construction of any of the Agreement's provisions.
4. This Agreement contains the entire agreement and understanding between and among the Parties regarding the matters set forth herein and supersedes all previous negotiations, discussions and understandings regarding such matters. Each of the Parties acknowledges and represents that it has not relied on any promise, inducement, representation or other statement made in connection with this Agreement that is not expressly contained herein.
5. If any portion, provision or part of this Agreement is held, determined or adjudicated by any court of competent jurisdiction to be invalid, unenforceable, void, or non-compliant with Section 4-37f(9) of the Connecticut General Statutes, each such portion, provision or part shall be severed from the remaining portions, provisions or parts of this Agreement, and such holding, determination or adjudication shall not affect the validity or enforceability of such remaining portions, provisions or parts.
6. This Agreement may be signed in multiple counterparts, each of which shall be deemed to be a part of this Agreement.

FOR THE UNIVERSITY OF CONNECTICUT LAW SCHOOL

Timothy S. Fisher, Dean

Date

FOR THE UNIVERSITY OF CONNECTICUT LAW SCHOOL FOUNDATION

Steven M. Greenspan, President-Elect. Board of Trustees

Date

ATTACHMENT 12



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

RE: Master Agreement and Statement of Work between the University of Connecticut Foundation and the University of Connecticut for Fiscal Year 2015

RECOMMENDATION:

That the Board of Trustees approve the Master Agreement and Statement of Work (SOW) for Fiscal Year 2015 between the University of Connecticut Foundation and the University of Connecticut. The SOW establishes fundraising goals, provides for financial support from the University to the Foundation and addresses certain other matters.

BACKGROUND:

In 1994, UConn Foundation and the University entered into a so called "Master" Agreement that outlines the relationship between the two entities and the responsibilities of the Foundation with respect to performing development, investment and other services for the University. The Foundation is a 501(c)(3) organization that exists solely to support the University.

The July 1, 2014 Master Agreement completely replaces the 1994 Agreement.

The Master Agreement provides that the Foundation and the University will enter into a SOW that outlines fundraising goals and the financial arrangements to accomplish goals.

Key Provisions of the Master Agreement:

- The Foundation is the primary fundraising entity for the University.
- The Foundation and University will enter into "Statement of Work" agreements, which outline the specific fundraising goals and the annual amount to be paid to the Foundation for each fiscal year.

Office of the Executive Vice President for
Administration and Chief Financial Officer
352 MANSFIELD ROAD, UNIT 1122
GULLEY HALL
STORRS, CT 06269-1122
PHONE 860.486.3455
FAX 860.486.1070

- The Foundation will manage endowed funds donated directly to the University.
- The Foundation will assess an endowment administrative fee on University endowment funds.
- The Foundation will assess gift fees on new gifts received.

The FY2015 SOW is a one year agreement (July 1, 2014 to June 30, 2015). The SOW can be for a period up to five years.

Key Provisions of the SOW:

- The fundraising goal for FY2015 is \$70 million.
- The University agrees to provide financial support to the Foundation in the amount of \$7,120,000 and UConn Health agrees to provide \$945,000 in support. These amounts are the same as FY2014.
- The Foundation will establish appropriate investment benchmarks. The target return will be 5.5% plus inflation.
- Annual strategies for donor engagement, aligning fundraising with University priorities, increasing operational efficiencies, and enhancing external and internal communications.

Master Agreement

Whereas the UNIVERSITY OF CONNECTICUT (hereinafter the “University” or “UConn”), Connecticut's land grant university, whose statutory authority is set forth in Chapter 185b of the Connecticut General Statutes and THE UNIVERSITY OF CONNECTICUT FOUNDATION, INC. (hereinafter the “Foundation”), a Connecticut non-stock corporation that is exempt from taxation under Section 501(c) (3) of the Internal Revenue Code of 1986, as amended, entered into an agreement effective December 1, 1994 (“1994 Agreement”) to outline the relationship between the parties and to assure compliance with the provision of CONN. GEN. STAT. § 4-37e et seq., as they may be amended, and other applicable laws;

Whereas, pursuant to the 1994 Agreement the University designated the Foundation to assume primary responsibility for the University’s development efforts and the investment and administration of endowment funds established to benefit the University, and the Foundation agreed to undertake these responsibilities;

Whereas, the mission of the Foundation is to solicit, receive, invest and administer gifts and financial resources from private sources for the benefit of all campuses and programs of the University (inclusive of the University’s Health Center); and the Foundation operates exclusively to promote the educational, research, cultural, and recreational objectives of the University; and as a primary fundraising vehicle to solicit and administer private gifts and grants which will enhance the University’s mission, the Foundation supports the University’s pursuit of excellence in teaching, research and public service;

Whereas, paragraph 22 of the 1994 Agreement provides that it may be amended from time to time upon mutual written agreement of the parties respective governing boards;

Now, therefore, the 1994 Agreement is hereby replaces and supersedes in its entirety by the execution of this Master Agreement dated effective July 1, 2014 (“Agreement”), entered into by the University and the Foundation:

1.0 Relationship of the Parties

1.1 The University and the Foundation acknowledge that the University is a constituent unit of the State of Connecticut's system of public higher education, as defined in CONN. GEN. STAT. §10a-1; and the Foundation is an independent Connecticut non-stock corporation exempt from federal taxation under Section 501(c)(3) of the Internal Revenue Code of 1986, as amended (“Code”), and a foundation as defined under CONN. GEN. STAT§ 4-37e(2) ; that each entity is governed by separate governing boards; that each entity is permitted only to deposit funds to their respective accounts which are properly designated for that specific entity; and that each entity is subject to separate accounting, disbursement, and disclosure requirements as a matter of internal governance regulations and applicable state and federal law.

1.2 The Foundation and University are each independent entities and agree that neither shall have any liability for the obligations, acts or omissions of the other party, or the other’s trustees, directors, officers, employees and agents.

1.3 The Foundation will be governed, in accordance with its bylaws as amended from time to time, by a volunteer board of elected directors and ten ex-officio non-voting (except as otherwise indicated)

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directors (President of the University, University's chief academic officer, senior administrator from the University Health Center, chief financial officer of the University, chief administrator from the Department of Athletics, Chair of the Institutional Advancement Committee of the University Board of Trustees or any other member of the Institutional Advancement Committee as designated by the Chair of the Institutional Advancement Committee, President of the Alumni Association (voting), President of the Foundation (voting), a student enrolled at the University and elected by enrolled students, and a faculty member of the University (elected by the faculty). With respect to the University positions serving as ex-officio members of the Foundation board of directors, the positions will be identified consistent with titles in the University's bylaws as amended by the University from time to time. The Foundation reserves all rights and powers granted to it under its charter and bylaws, the Connecticut non-stock corporation law and federal law.

1.4 This Agreement provides the terms and conditions of the relationship between the University and Foundation. From time to time, but in no event less frequently than every five years, the Foundation and University will enter into agreements ("Statements of Work") which outline the specific fundraising goals and objectives that the University and Foundation have agreed upon and the annual amount to be paid to the Foundation for each fiscal year (Fiscal Year: July 1 – June 30) in consideration of the Foundation's fundraising, investment management and other services described in this Agreement.

1.5 The University and the Foundation will use their best efforts to ensure that Foundation fundraising activities comply with the Internal Revenue Code, particularly, Section 501(c)(3) and its regulations, and applicable state law, including without limitation CONN. GEN. STAT. § 21a-175 et seq.

2.0 Fundraising Services

2.1 The University designates the Foundation as the primary entity to raise private financial support, manage philanthropic assets, and steward donors. All University fundraising shall be directed by the Foundation. The parties will work closely to create a culture of philanthropy and provide the transformational support necessary for UConn to achieve its aspirations within all of the University's schools, colleges, athletic programs and the University Health Center. The University will engage the Foundation in strategic planning to develop University and unit priorities, long-range goals and associated fundraising needs. The University will advise and include the Foundation in matters related to the University's marketing, branding and other communications strategies to the extent that they are relevant to the Foundation's mission.

2.2 As set forth in the Statements of Work ("SOW") entered into between the parties from time to time, the Foundation will use its best efforts to increase total voluntary support (gifts raised by the Foundation, the Alumni Association, the Law School Foundation, and the University (including non-governmental philanthropic research grants)); the Foundation will strengthen its principal, major, planned, and corporate and foundation giving programs; and the Foundation will also use its best efforts to enhance prospect identification, alumni participation rates, donor retention rates, and volunteer engagement.

2.3 The Foundation in its discretion will assign Foundation employees to work primarily with potential donors and with the administration and faculty of particular University schools, colleges and programs for the purpose of raising funds for the benefit of such schools, colleges, and programs. The Foundation agrees that it will collaborate with the Deans and Directors of such schools, colleges, and programs in establishing objectives and performance expectations of such employees. The employees will also be permitted to perform general advancement work as assigned by the school, college and program and agreed to by the Foundation. As an independent organization the Foundation has the authority to hire employees and otherwise develop its own human resources infrastructure and compensation policies to accomplish the mission of the Foundation.

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2.4 At times the University may request the use of financial services of the Foundation to facilitate special fundraising events or other University projects, in accordance with best practices, that extend beyond the normal fiscal functions of the Foundation to serve as the primary fundraising entity for the University, to deposit and account for private gifts and to process routine disbursements. In such cases, the University shall request prior approval from the Foundation for the use of these services. The parties agree that the Foundation will be entitled to reasonable and appropriate compensation for such services. The University and Foundation agree to make no commitment to a third party on behalf of the other without expressed permission.

3.0 Acceptance and Stewardship of Gifts

3.1 The Foundation will in its discretion establish and maintain gift acceptance policies. The Foundation shall make its best efforts to ensure that any monies received by the Foundation and defined in CONN. GEN. STAT. § 4-37g as “funds for deposit and retention in state accounts” are transferred to the University in a timely manner. The University and Foundation will jointly develop and maintain guidelines for determining the proper deposit of funds.

3.2 The Foundation will provide receipts and acknowledgments, as required by the Code, for all private gifts made for the benefit of the University, including gifts that will be assets of the University.

3.3 The Foundation will be responsible for coordinating University and Foundation activities related to thanking, acknowledging and stewarding donors. The University will assist the Foundation in such activity by, without limitation, providing to the Foundation, upon request, appropriate information on the use of charitable funds by the University.

3.4 The Foundation owns a private home located at 61 Scarborough Street in Hartford, Connecticut (“Foundation House”). The primary purpose of Foundation House is to advance the mission of the Foundation in support of the University by supporting fundraising, stewardship and engagement activities. For so long as the Foundation chooses to own Foundation House, it may be made available by the Foundation, in its discretion, to the University in support of University business under the terms of a separate agreement between the parties establishing terms and conditions for Foundation House’s use.

3.5 As appropriate, and in the best interest of the University, the Foundation in its discretion and in consultation with University Communications will be responsible for arranging press conferences, releases, print, web, radio, and television communications to acknowledge significant gifts to all University schools, colleges, departments and units.

4.0 Investment of Funds

4.1 The University and Foundation entered a separate Endowment Management Agreement, dated April 28, 1996, authorizing the Foundation to manage endowed funds donated directly to the University as the University’s agent. This Agreement replaces and supersedes the Endowment Management Agreement in its entirety. The University designates the Foundation as the investment manager of all University endowment fund assets, including without limitation those of the Health Center, but excluding those of the UConn Law School Foundation. The Foundation will in its sole discretion maintain and modify investment and spending policies for such University endowment fund assets and for all Foundation assets (both endowed and non-endowed) that adhere to applicable federal and state laws, including the Uniform Prudent Investor Act (CONN. GEN. STAT. § 45-541 et seq.) and the Uniform Prudent Management of Institutional Funds Act (CONN. GEN. STAT. § 45a-535 et seq.). The

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Foundation as agent for the University in managing University endowment fund assets shall also have the following powers:

- (a) To invest and re-invest the University endowment assets in such securities and property as are from time to time legal investments for the Foundation;
- (b) To purchase, manage and sell property;
- (c) To exercise all conversion and subscription rights pertaining to any property;
- (d) To exercise all voting rights with respect to any investment and to grant proxies, discretionary or otherwise;
- (e) To cause any investments to be registered and held in the name of one or more of its nominees, or one or more nominees of any system for the central handling of securities, without increase or decrease of liability;
- (f) To collect and receive any and all money and other property due to the University endowment assets and to give full discharge therefore;
- (g) To commence or defend suits or legal proceedings to protect any interest of the University endowment assets; and to represent the University endowment assets in all suits or legal proceedings in any court or before any other body or tribunal, except that to the extent the interests of the University are implicated in any such suit or proceeding, the Office of the University's General Counsel and the Office of the Attorney General shall be notified of such suit or proceeding and shall provide legal representation to the University in connection therewith;
- (h) To employ agents and depositories, to delegate to them discretionary powers, to compensate them for their services and to reimburse their reasonable expenses; and
- (i) Generally to do all acts, whether or not expressly authorized, which the Foundation may deem necessary or desirable for the protection of the University endowment assets.

4.2 The Foundation's current endowment investment and spending policies aim to preserve intergenerational equity (purchasing power) and provide a relatively stable spending stream to meet the needs of the University and comply with donor intent. The Foundation will, in its discretion, establish and achieve a reasonable endowment benchmark rate of return based on prudent levels of risk, targeted spending and an inflation factor calculated over a relevant rolling period. Such returns may also be benchmarked, in the Foundation's discretion, for a risk adjusted return defined by strategic asset allocation policy long-term targets using measurable market and manager benchmarks. Specific benchmarks may be identified in the SOW.

4.3 The Foundation's current non-endowed investment policy aims to provide sufficient liquidity and preserve capital for University needs. Specific benchmarks may be identified in the SOW.

4.4 The Foundation also agrees that it will act as the University's agent for gifts of securities or other non-cash gifts that are donated to the University with the intention to be liquidated.

4.5 The Foundation will maintain such reasonable operating reserve as it determines appropriate to ensure continuity of its business operations in periods of economic uncertainty.

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5.0 Expenditure of Funds

5.1 The University will use its best efforts to ensure that all available Foundation funds are timely utilized in accordance with donor intent. The Foundation will only approve disbursement requests received from the University that are properly authorized and in compliance with Foundation disbursement policies, which may include, without limitation, requirements that the request: complies with all donor imposed restrictions on the fund; supports the University's mission and programs; represents a reasonable, legitimate and arm's length business transaction; is properly authorized in the context of CONN. GEN. STAT. § 4-37(e) et seq.; and is compliant with all state laws applicable to University employees.

5.2 Annually, the President of the University shall certify to the Foundation a list (which shall be updated as changes occur) of University employees who are authorized to request disbursements from the Foundation ("Authorized Officials"). Requests for disbursements by the Foundation from an Authorized Official shall constitute a representation and certification by the Authorized Official that the disbursement is being made in accordance with University policies and procedures.

5.3 Requests for disbursement from the Foundation for the benefit of University employees or officers for any salary, fee, fringe benefit, loan or other compensation item (collectively "Compensation Items") must be approved by the University President or his or her delegate, and paid by the Foundation, in accordance with CONN. GEN. STAT. § 4-37i and the University's Policy Regarding Financial Transactions with the Foundation, adopted by the University Board of Trustees, and as amended from time to time ("University's Policy Regarding Financial Transactions with the Foundation") which defines the proper use of the Foundation's fiscal services. Requests for disbursement from the Foundation for the benefit of the University President for any Compensation Item due him or her must be approved by the Chairman of the University Board of Trustees in accordance with CONN. GEN. STAT. § 4-37i and the University's Policy Regarding Financial Transactions with the Foundation.

5.4 The President of the University shall submit a plan to the Foundation by May 1 of each year for the utilization in the following fiscal year of the unrestricted gifts received by the Foundation for the benefit of the University in the prior fiscal year. The Foundation shall review and approve the University's plan and oversee expenditures of all unrestricted gifts accordingly.

5.5 The Foundation agrees to provide to the University, on a semi-annual basis, a summary of all fund balances held for the benefit of the University, disbursements provided to the University, and expenditures made on behalf of the University to third parties during the preceding six months.

5.6 In order to assist the University in its reporting responsibilities, the Foundation agrees to report annually to the University Controller all fixed asset expenditures made on behalf of the University.

6.0 Compensation for Foundation Services

6.1 In consideration for the Foundation's fundraising, investment management, and other services described herein the University will provide the following compensation:

- (a) Annual Payment: The University will provide an annual payment to support the Foundation's general operations. Payments will be made quarterly in advance as provided in the SOW.

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- (b) Endowment Administrative Fee: The Foundation will assess an endowment administrative fee on Foundation endowment and University endowment funds as determined in the Foundation's discretion. The current rate for such fees will be provided in the SOW.
- (c) Gift Fees: The Foundation in its discretion will assess gift fees on new gifts received. The current rate for such fees will be provided in the SOW.
- (d) Retained Earnings: The Foundation will retain all investment earnings on non-endowed funds.

6.2 The University will also provide the following in-kind support without fee, charge, or reimbursement:

- (a) Alumni Lists: The University agrees to provide an electronic interface to enable the Foundation to extract, on a regular basis and in an automated fashion exclusively for the purpose of enabling the Foundation to achieve its mission, which mission may require, without limitation, the release of such information to third parties, the following: (1) student directory information pertaining to current and past University students consistent with its established Family Educational Rights and Privacy Act of 1974 (20 U.S.C. §1232g; 34 CFR Part 99) ("FERPA") policy, (2) demographic information and protected health information pertaining to current and past patients of the University's Health Center ("Patient Information") consistent with the Health Insurance Portability and Accountability Act ("HIPAA") of 1996 and related rules and regulations related to institutionally related foundations, as amended from time to time, (3) University employee names and campus contact information consistent with University personnel policies, (4) University students' parents' contact information, exclusive of any parents who have opted out of providing such information for Foundation purposes.
- (b) Computer Network & Telecommunications Infrastructure: The University will provide to the Foundation standard University network and telecommunications infrastructure including, but not limited to, networking, internet access (including band width), and server rack space and power in the same manner as are provided to University departments and programs. The Foundation and University acknowledge and agree that the Foundation will be assessed fees or charges by the University for services other than the standard infrastructure described above, but that such fees or charges will not exceed the rates paid for such services, in accordance with University policy, by University departments or programs.
- (c) Event Planning: The University will provide standard University Event services to the Foundation to assist in its fundraising and stewardship efforts.
- (d) Facilities: Employees of the Foundation will have the same privileges for parking and the use of University facilities as similarly situated employees of the University. Facilities include, but are not limited to, recreational and library facilities. The University will provide office space, furniture, printers, photocopiers, telephone service, storage space, and utilities used by Foundation employees assigned to fundraise for, and physically work in, the University's schools, colleges and units. The Foundation agrees that it will advise Foundation employees against the misuse or abuse of state equipment, including the prohibition against the use of state equipment for personal purposes, and require employees to report any misuse of which they become aware.

Pursuant to a Land Lease dated November 1, 1998, the University leased land located at 2390 Alumni Drive, Storrs, Connecticut to the Foundation for the purpose of constructing the Foundation's main office building, which is owned and operated by the Foundation. The Land Lease remains in effect in accordance with its terms.

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- (e) University Personnel: The University agrees to allow the Foundation to utilize University employees for the Foundation's fundraising without additional compensation or reimbursement from the Foundation (except that out of pocket business expenses incurred thereby may be reimbursed by the Foundation in accordance with its policies) including, without limitation, the President, Provost, Associate Provosts, Executive Vice Presidents, Vice Presidents, Deans, Director of Athletics, Directors, Associate Directors, Department Heads, faculty and support staff. The University also agrees that the Foundation is allowed to utilize University employees (including those of the Health Center) presently employed in positions that are primarily fundraising positions, for the Foundation's fundraising provided that in the event the incumbents in such primarily fundraising positions are no longer employed in such positions by the University or Health Center, and the Foundation chooses to hire a new employee to perform the Foundation-related duties of this position, the new hire will be a Foundation employee, subject to restrictions imposed by any applicable collective bargaining agreement.
- (f) Mail Services: To the extent that it can do so, consistent with U.S. Postal Service statutes and regulations, the Foundation may use the University's mail system.
- (g) Intellectual Property: The University agrees that the Foundation may in connection with its lawful business and activities use the name of the University as well as the University's logo, seal, and other marks consistent with University restrictions applicable to University departments.

6.3 Except as otherwise provided herein or agreed to by the parties, the Foundation will reimburse the University for expenses the University incurs as a result of Foundation operations, if the University would not have otherwise incurred such expenses including, without limitation, expenses related to the maintenance and operation of the Foundation's facilities. The Foundation may in its discretion and subject to its policies make its facilities available to University schools, colleges and units (and organizations which are affiliated with the University and which support the furtherance of the University's purpose) for events and programs primarily related to fundraising and other meetings. The Foundation may charge any fees for such usage directly to the relevant school, college, unit or organization.

7.0 Ownership and Management of Records

7.1 The Foundation will maintain appropriate financial and business records related to fundraising, investment, and other Foundation operations in a prudent manner. This will include, without limitation, a comprehensive, secure, state-of-the art electronic prospect management system and donor database, for which the Foundation will establish and maintain data integrity standards.

7.2 The University acknowledges and agrees that it does not have any ownership rights with respect to any Foundation information, records, documents or other materials provided to the University, including, but not limited to, donor records, gift records, financial records, or other Foundation business information which may have been derived from or related to information initially provided to the Foundation by the University. Any such Foundation information, records, documents or other materials including, without limitation, those maintained by the University will not be deemed public records and shall not be subject to disclosure pursuant to CONN. GEN. STAT. § 1-210. The Foundation will establish and enforce policies to protect the confidentiality of its records to the fullest extent allowable by law.

7.3 The Foundation may release information to third-parties exclusively for the purpose of accomplishing its mission provided that any such release is consistent with Foundation policies and

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applicable provisions of law, including without limitation, the applicable provisions of FERPA and HIPAA.

7.4 Without limiting the foregoing, the Foundation agrees (1) to enter into a data use and confidentiality agreement with any third-parties that will receive Patient Information, requiring such third-parties to hold such Patient Information confidential and to implement safeguards against further disclosure in a manner consistent with HIPAA, or (2) at the election of the Health Center, to allow the Health Center to enter into a business associate agreement with such third-parties and permit the Health Center to provide such Patient Information to such third-parties directly. The Foundation agrees that it will include in any fundraising materials sent using Patient Information a description in accordance with HIPAA of how individuals may opt-out of receiving further fundraising communications. The Foundation also agrees to honor opt-out requests received. The Foundation agrees to maintain any Patient Information received from the Health Center in a manner consistent with the requirements of 45 C.F.R. Parts 160 and 164 (the “HIPAA Privacy Rule”) pertaining to institutionally related foundations. The Foundation agrees to establish processes and procedures sufficient to limit access to such Patient Information to Foundation personnel with a need to access such information. The University’s Health Center, through its Privacy and Security Offices, agrees to periodically offer, and provide at no cost to the Foundation, training to Foundation personnel on the HIPAA Privacy Rule and its implications for institutionally related foundations and the Foundation will require Foundation personnel who will have access to Patient Information to attend such HIPAA training.

7.5 The Foundation agrees not to share or disclose information with third parties in a manner inconsistent with this Memorandum of Understanding, unless required to do so by law or other agency regulations.

7.6 The Foundation is aware of and supports the University’s Identity Theft Prevention Program as approved by the University’s Board of Trustees. The Foundation agrees to report any violations of the University’s Identity Theft Prevention Program which it becomes aware of to the University’s Office of Audit, Compliance and Ethics (“OACE”) as soon as possible.

8.0 Audits and Legal Advice

8.1 The Foundation shall be responsible for retaining and compensating the independent auditing firm required by CONN. GEN. STAT. §4-37f(8). The audit report shall include financial statements, a management letter and an audit opinion which address the conformance of the operating procedures of the Foundation with the provisions of sections 4-37e to 4-37i (including, without limitation, whether funds for deposit and retention in state accounts have been deposited and retained in Foundation accounts in violation of 4-37g), and recommend any corrective actions needed to ensure such conformance.

8.2 The Foundation will permit the University’s OACE to conduct, if it so chooses, an annual examination of Foundation disbursements for compliance with the University’s Policy Regarding Financial Transactions with the Foundation. The Foundation will also permit the University’s OACE to conduct, if it so chooses, a post-deposit review of any gift, including reviewing checks, gifts, agreements and other supporting documentation for compliance with CONN. GEN. STAT. § 4-37 et seq. and the policy concerning the University Role and Review of Foundation Deposit of Funds, approved by the University and Foundation as of August 2006, as amended from time to time.

8.3 The Foundation shall provide a copy of each audit report completed pursuant to CONN. GEN. STAT. § 4-37f(8) to the President of the University.

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8.4 The Foundation shall have its own legal counsel and shall be responsible for all costs for Foundation legal services.

9.0 Non-discrimination and Executive Orders

9.1 References in this section to “Contract” shall mean this “Master Agreement” and references to “Contractor” shall mean the “Foundation.”

(a) For purposes of this Section, the following terms are defined as follows:

- (i) "Commission" means the Commission on Human Rights and Opportunities;
- (ii) "Contract" and “contract” include any extension or modification of the Contract or contract;
- (iii) "Contractor" and “contractor” include any successors or assigns of the Contractor or contractor;
- (iv) "gender identity or expression" means a person's gender-related identity, appearance or behavior, whether or not that gender-related identity, appearance or behavior is different from that traditionally associated with the person's physiology or assigned sex at birth, which gender-related identity can be shown by providing evidence including, but not limited to, medical history, care or treatment of the gender-related identity, consistent and uniform assertion of the gender-related identity or any other evidence that the gender-related identity is sincerely held, part of a person's core identity or not being asserted for an improper purpose.
- (v) “good faith” means that degree of diligence which a reasonable person would exercise in the performance of legal duties and obligations;
- (vi) "good faith efforts" shall include, but not be limited to, those reasonable initial efforts necessary to comply with statutory or regulatory requirements and additional or substituted efforts when it is determined that such initial efforts will not be sufficient to comply with such requirements;
- (vii) "marital status" means being single, married as recognized by the State of Connecticut, widowed, separated or divorced;
- (viii) "mental disability" means one or more mental disorders, as defined in the most recent edition of the American Psychiatric Association's "Diagnostic and Statistical Manual of Mental Disorders", or a record of or regarding a person as having one or more such disorders;
- (ix) "minority business enterprise" means any small contractor or supplier of materials fifty-one percent or more of the capital stock, if any, or assets of which is owned by a person or persons: (1) who are active in the daily affairs of the enterprise, (2) who have the power to direct the management and policies of the enterprise, and (3) who are members of a minority, as such term is defined in subsection (a) of Connecticut General Statutes § 32-9n; and
- (x) "public works contract" means any agreement between any individual, firm or corporation and the State or any political subdivision of the State other than a municipality for construction, rehabilitation, conversion, extension, demolition or repair of a public building, highway or other changes or improvements in real property, or which is financed in whole or in part by the

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State, including, but not limited to, matching expenditures, grants, loans, insurance or guarantees.

For purposes of this Section, the terms "Contract" and "contract" do not include a contract where each contractor is (1) a political subdivision of the state, including, but not limited to, a municipality, (2) a quasi-public agency, as defined in Conn. Gen. Stat. Section 1-120, (3) any other state, including but not limited to any federally recognized Indian tribal governments, as defined in Conn. Gen. Stat. Section 1-267, (4) the federal government, (5) a foreign government, or (6) an agency of a subdivision, agency, state or government described in the immediately preceding enumerated items (1), (2), (3), (4) or (5).

- (b) (1) The Contractor agrees and warrants that in the performance of the Contract such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the State of Connecticut; and the Contractor further agrees to take affirmative action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by the Contractor that such disability prevents performance of the work involved; (2) the Contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission; (3) the Contractor agrees to provide each labor union or representative of workers with which the Contractor has a collective bargaining Agreement or other contract or understanding and each vendor with which the Contractor has a contract or understanding, a notice to be provided by the Commission, advising the labor union or workers' representative of the Contractor's commitments under this section and to post copies of the notice in conspicuous places available to employees and applicants for employment; (4) the Contractor agrees to comply with each provision of this Section and Connecticut General Statutes §§ 46a-68e and 46a-68f and with each regulation or relevant order issued by said Commission pursuant to Connecticut General Statutes §§ 46a-56, 46a-68e and 46a-68f; and (5) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor as relate to the provisions of this Section and Connecticut General Statutes § 46a-56. If the contract is a public works contract, the Contractor agrees and warrants that he will

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make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works projects.

- (c) Determination of the Contractor's good faith efforts shall include, but shall not be limited to, the following factors: The Contractor's employment and subcontracting policies, patterns and practices; affirmative advertising, recruitment and training; technical assistance activities and such other reasonable activities or efforts as the Commission may prescribe that are designed to ensure the participation of minority business enterprises in public works projects.
- (d) The Contractor shall develop and maintain adequate documentation, in a manner prescribed by the Commission, of its good faith efforts.
- (e) The Contractor shall include the provisions of subsection (b) of this Section in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes §46a-56; provided if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Commission, the Contractor may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.
- (f) The Contractor agrees to comply with the regulations referred to in this Section as they exist on the date of this Contract and as they may be adopted or amended from time to time during the term of this Contract and any amendments thereto.
- (g) (1) The Contractor agrees and warrants that in the performance of the Contract such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or the State of Connecticut, and that employees are treated when employed without regard to their sexual orientation; (2) the Contractor agrees to provide each labor union or representative of workers with which such Contractor has a collective bargaining Agreement or other contract or understanding and each vendor with which such Contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the Contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment; (3) the Contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said Commission pursuant to Connecticut General Statutes § 46a-56; and (4) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information

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requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor which relate to the provisions of this Section and Connecticut General Statutes § 46a-56.

- (h) The Contractor shall include the provisions of the foregoing paragraph in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes § 46a-56; provided, if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Commission, the Contractor may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.

9.2 This Agreement is subject to the provisions of Executive Order No. 7C of Governor M. Jodi Rell, promulgated July 13, 2006, concerning contracting reforms, Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services, Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, all of which are incorporated into and are made a part of this Agreement as if they had been fully set forth in it. At the Foundation's request, the University shall provide a copy of these orders to the Foundation.

10.0 General

10.1 The Foundation may in its discretion enter into written agreements, for such purposes as it determines necessary or appropriate, with other University affiliates including, without limitation, the University of Connecticut Alumni Association, Inc., the Law School Foundation, Inc., and the UConn Advocates.

10.2 This Agreement may be amended from time to time at the request of either party. Any such amendment shall be set forth in writing and shall require the approval of both governing boards approval as to form by the Office of the Attorney General.

10.3 This Agreement is governed by the laws of the State of Connecticut.

10.4 No right or duty, in whole or in part, of either party to this agreement may be assigned or delegated without the prior written consent of the other party.

10.5 The term of this Agreement shall commence on July 1, 2014, subject to approval as to form by the Office of the Attorney General, and shall continue for a period of six years (6) years. The term of this Master Agreement may be extended for an additional period of six (6) years with the mutual agreement of the parties. This Agreement may be terminated by either party upon one year's written notice, and requires the approval of the respective governing board. If the Foundation ceases to exist, or ceases to be a foundation as defined in CONN. GEN. STAT. § 4-37e(2), then (a) the Foundation shall be prohibited

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from using the name of the University, (b) the records of the Foundation, or copies of such records, shall be made available to and may be retained by the University, provided any such records or copies which are retained by the University shall not be deemed to be public records and shall not be subject to disclosure pursuant to the provisions of CONN. GEN. STAT. § 1-210, and (c) the Foundation's Board of Directors will, in consultation with the University, dispose of the Foundation's assets, consistent with the Foundation's certificate of incorporation, its bylaws, state and federal laws, and such restrictions as may have been imposed by donors.

FOR THE UNIVERSITY OF CONNECTICUT

Susan Herbst, Ph.D.
President, University of Connecticut

Date

John Biancamano
Executive Vice President and
Chief Financial Officer, University of Connecticut

Date

FOR THE UNIVERSITY OF CONNECTICUT FOUNDATION, INC.

Coleman Levy
Chair, The University of Connecticut Foundation, Inc.

Date

Joshua R. Newton
President, The University of Connecticut
Foundation, Inc.

Date

AGREED AND CONSENTED TO BY THE UNIVERSITY OF CONNECTICUT HEALTH CENTER

Frank M. Torti, M.D., M.P.H.
Executive Vice President for Health Affairs and
Dean of the School of Medicine,
University of Connecticut Health Center

Date

APPROVED AS TO FORM

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By,
Associate Attorney General,
Connecticut State Attorney General's Office

Date

Draft 6-2-14 Statement of Work

This Statement of Work effective the 1st day of July, 2014 is made among the UNIVERSITY OF CONNECTICUT ("University"), Connecticut's land grant university, whose statutory authority is set forth in Chapter 185b of the Connecticut General Statutes, and the UNIVERSITY OF CONNECTICUT HEALTH CENTER ("Health Center"), a component part of the University, and THE UNIVERSITY OF CONNECTICUT FOUNDATION, INC. ("Foundation"), a Connecticut nonstock corporation that is exempt from taxation under 501(c)(3) of the Internal Revenue Code of 1986, as amended.

The University and the Foundation have entered into an agreement dated _____, _____ (the "Operating Agreement") under which the Foundation has responsibility for development efforts for the benefit of the University and responsibility for management of endowment funds designated to benefit the University.

The Operating Agreement stipulates that the University and Foundation will from time to time, but in no event less frequently than every five (5) years, enter into agreements ("Statements of Work") which outline the specific fundraising goals and objectives that the University and Foundation have agreed upon and the consideration to be provided to the Foundation each fiscal year. This Statement of Work covers the period July 1, 2014 through June 30, 2015 ("Period").

1. Payments

The University and Health Center have agreed to provide certain in-kind consideration to the Foundation for its services under the terms of the Operating Agreement. In addition to agreeing to provide such in-kind consideration, the University and the Health Center further agree to provide the following consideration to the Foundation for each year of the Period:

- a) Annual Payment: The University will pay a guaranteed amount to the Foundation of seven million one hundred twenty thousand dollars (\$7,120,000) during the Period. The Health Center will provide an additional guaranteed amount to the Foundation of nine hundred forty five thousand dollars (\$945,000) during the Period. Together these payments total eight million sixty five thousand dollars (\$8,065,000) ("Annual Payment"). The Annual Payment will be made quarterly in advance in equal installments during the Period.

The University agrees that in addition to the Annual Payment, the University will provide an additional one hundred thousand (\$100,000), of which fifty thousand dollars (\$50,000) will support increased Foundation communications and marketing activity and fifty thousand (\$50,000) will support additional staffing to enhance the coordination of University and Foundation fundraising communications and messaging to constituents.

- b) Fees: The University and Health Center agree that Foundation operations will also be funded by earnings on non-endowed Foundation assets, an annual endowment administrative fee, and a gift fee on contributions.
 - 1) The Foundation will retain all investment earnings on non-endowed Foundation assets.
 - 2) The Foundation will assess and retain an endowment administrative fee, as reasonably determined by the Foundation. The Foundation's endowment administrative fee is calculated annually on March 31st

("Calculation Date") and presently equals one and one-quarter percent (1.25%) of the rolling prior twelve (12) quarter average unitized market value of the long-term pooled investment portfolio multiplied by the number of units held by each endowed fund. The endowment administrative fee is assessed on all endowment assets (University, Foundation, and Health Center assets) invested by the Foundation. The endowment administrative fee owing to the Foundation will be transferred to Foundation operating funds in four equal installments on the first day of each quarter following the Calculation Date (April 1st, July 1st, October 1st, and January 1st).

- 3) The Foundation will assess and retain gift fees on all gifts deposited in the Foundation, as reasonably determined by the Foundation. The Foundation's gift fee for endowed gifts is presently three percent (3%) of the value of the gift as of the date of receipt. The Foundation's gift fee for non-endowed gifts is presently five percent (5%) of the value of the gift as of the date of receipt. Twenty-five percent (25%) of any non-endowed gift fee (or 1.25%) may be transferred to Foundation operating accounts supporting the school, college or unit supported by the fund to which the original gift was designated. The remaining seventy-five percent (75%) of any non-endowed gift fees (3.75%) is retained by the Foundation to support its operations.

2. Foundation Mission

The Foundation operates to support the University and fulfills this mission primarily through fundraising, asset management and related support activities. Among such activities the Foundation cultivates, solicits, acknowledges and receipts gifts; administers, invests and disburses funds; maintains constituent records; manages and coordinates communications with constituents; and presently serves as the sole shareholder of The University of Connecticut Research and Development Corporation d/b/a UConn Ventures ("UConn Ventures"), a Connecticut for-profit stock corporation incorporated in the State of Connecticut for the purpose of facilitating the commercialization of University research and technology.

3. Fundraising Goals and Benchmarks

In consideration of the compensation provided to Foundation by the University and Health Center under the terms of the Operating Agreement and this SOW, the Foundation, consistent with its mission, agrees as follows:

The Foundation will continue its efforts to increase total private gift revenue toward an annual target of seventy million dollars (\$70M) in new gifts and commitments for the University (inclusive of support for the Health Center), by June 30, 2015, such amount to be calculated in accordance with the Foundation's reasonably established gift counting policy, as amended from time to time. The Foundation will emphasize increasing strategic donor engagement across the University, including the Health Center and Athletics, and assist the UConn Law School Foundation to support front-line fundraising and direct response. The annual strategies will include:

a) Increase donor engagement

- 1) Utilize the University President, Provost, Deans and Program Directors in strategic donor outreach at the six-figure level and above.
- 2) Strengthen UConn Foundation Board of Directors giving with a target of surpassing the national average of 14% of total annual commitments.
- 3) Increase the role of Health Center Board of Directors in fundraising for all health science programs, with a focus on BioScience CT.

- 4) Increase contact and deepen engagement of donors and prospects at the \$50K+ rated level through more efficient deployment of appropriate numbers of full time frontline fundraisers, effectively utilizing prospect research and screening data.
- 5) Facilitate stronger collaboration in donor strategy working across the Foundation and the University, using Prospect Management meetings to review and discuss the status of top donor strategies and package comprehensive proposals. Engage deans and directors in strategy discussions and direct implementation of fundraising. Increase engagement of University President and Provost with key University stakeholders.

b) Align fundraising with University priorities

- 1) Complete funding for Basketball Champions Center and supporting UConn Athletic development with multiple capital fundraising initiatives: hockey, baseball, soccer and softball
- 2) Leverage Connecticut's investment in STEM programs through Next Generation CT and increasing merit scholarships to students through enrollment management
- 3) Work closely with the UConn Alumni Association, and using best practices, to attain and maintain an average undergraduate alumni participation rate of between seventeen and eighteen percent (17-18%)
- 4) Maintain an emphasis on endowment fundraising to improve on the current three year average of \$17.3M per year
- 5) Launch Health Sciences and University Programs team practices and expectations
- 6) Define goal and build out fundraising plan for Bioscience CT
- 7) Identify School and College fundraising priorities
- 8) Communicate constituent fundraising priorities to central gift officers

c) Increase operational efficiencies

- 1) Integrate Law School fundraising with Felix database
- 2) Lead goal setting process for Schools and Colleges, as well as personal metrics
- 3) Work toward optimizing caseload assignments

d) Enhance external and internal communications

- 1) Distribute the University's new academic plan and solicit prospect and donor feedback
- 2) Help educate faculty and staff across the University community about the important role of cultivating and stewarding private support
- 3) Develop fundraising focused companion communication material related to the academic vision

4. Investment Benchmarks

- a) The Foundation in its discretion will establish appropriate investment benchmarks for assets invested for the benefit of the University, both those owned by the Foundation and those owned by the University. The Foundation will provide to the University's President and Chief Financial Officer a summary report of its investment risk and return benchmarks during the Period. The Foundation will use reasonable efforts to maintain the following benchmarks during the Period:

- 1) The target return on Foundation investments will be 5.5% plus inflation.

- 2) The Foundation will limit to 12% the level of volatility on an annualized basis based on the Foundation's Board of Director's policy. The current target is 6%.
 - 3) The Foundation's target risk adjusted return measured by Sharpe ratio will be 1.0 or greater measured over rolling periods.
- b) The Foundation will, for so long as it determines it to be in its best interests and those of the University, continue to retain its 100% ownership interest in UConn Ventures. The Foundation will exercise its rights as a shareholder, including but not limited to election of directors and approval of auditors. The Foundation will obtain from UConn Ventures an annual financial report and narrative report on operations and activities and will share this information with the University.

5. State Contract

References in this section to "Contract" shall mean this "Statement of Work" and references to "Contractor" shall mean the "Foundation." This section is inserted in connection with subsection (a) of Section 4a-60 of the General Statutes of Connecticut, as revised:

a) The following subsections are set forth here as required by section 4a-60 of the Connecticut General Statutes:

1) The Contractor agrees and warrants that in the performance of the Contract such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the state of Connecticut. The Contractor further agrees to take affirmative action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Contractor that such disability prevents performance of the work involved; 2) the Contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the commission; 3) the Contractor agrees to provide each labor union or representative of workers with which such Contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such Contractor has a contract or understanding, a notice to be provided by the commission advising the labor union or workers' representative of the Contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment; 4) the Contractor agrees to comply with each provision of this section and sections 46a-68e and 46a-68f and with each regulation or relevant order issued by said commission pursuant to sections 46a-56, 46a-68e and 46a-68f; 5) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor as relate to the provisions of this section and section 46a-56.

b) If the Contract is a public works contract, the Contractor agrees and warrants that he will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works project.

c) "Minority business enterprise" means any small contractor or supplier of materials fifty-one per cent or more of the capital stock, if any, or assets of which is owned by a person or persons:

1) Who are active in the daily affairs of the enterprise, 2) who have the power to direct the management and policies of the enterprise and 3) who are members of a minority, as such term is defined in subsection (a) of section 32-9n; and "good faith" means that degree of diligence which a reasonable person would exercise in the performance of legal duties and obligations. "Good faith efforts" shall include, but not be limited to, those reasonable initial efforts necessary to comply with statutory or regulatory requirements and additional or substituted efforts when it is determined that such initial efforts will not be sufficient to comply with such requirements.

d) Determination of the Contractor's good faith efforts shall include but shall not be limited to the following factors: The Contractor's employment and subcontracting policies, patterns and practices; affirmative advertising, recruitment and training; technical assistance activities and such other reasonable activities or efforts as the commission may prescribe that are designed to ensure the participation of minority business enterprises in public works projects.

e) The Contractor shall develop and maintain adequate documentation, in a manner prescribed by the commission, of its good faith efforts.

f) The Contractor shall include the provisions of sections (a) and (b) above in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the state and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with section 46a-56; provided, if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the commission, the Contractor may request the state of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the state and the state may so enter.

g) The following subsections are set forth here as required by section 4a-60a of the Connecticut General Statutes:

1) The Contractor agrees and warrants that in the performance of the Contract such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the state of Connecticut, and that employees are treated when employed without regard to their sexual orientation; 2) the Contractor agrees to provide each labor union or representative of workers with which such Contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such Contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the Contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment; 3) the Contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said commission pursuant to section 46a-56; and 4) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor which relate to the provisions of this section and section 46a-56.

h) The Contractor shall include the provisions of section (g) above in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the state and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with section 46a-56; provided, if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the commission, the Contractor may request the state of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the state and the state may so enter.

i) For the purposes of this entire Non-Discrimination section, "Contract" or "contract" includes any extension or modification of the Contract or contract, "Contractor" or "contractor" includes any successors or assigns of the Contractor or contractor, "marital status" means being single, married as recognized by the state of Connecticut, widowed, separated or divorced, and "mental disability" means one or more mental disorders, as defined in the most recent edition of the American Psychiatric Association's "Diagnostic and Statistical Manual of Mental Disorders", or a record of or regarding a person as having one or more such disorders. For the purposes of this section, "Contract" does not include a contract where each contractor is 1) a political subdivision of the state, including, but not limited to, a municipality, 2) a quasi-public agency, as defined in Conn. Gen. Stat. Section 1-120, 3) any other state, including but not limited to any federally recognized Indian tribal governments, as defined in Conn. Gen. Stat. Section 1-267, 4) the federal government, 5) a foreign government, or 6) an agency of a subdivision, agency, state or government described in the immediately preceding enumerated items (1), (2), (3), (4) or (5).

6. Amendment

This Statement of Work may be modified or amended in whole or in part by mutual written agreement signed by duly authorized representatives of each of the parties.

7. Governing Law

This Agreement is governed by the laws of the State of Connecticut. If there shall be any inconsistency between the provisions of this Statement of Work and the 2014 Master Agreement, the 2014 Master Agreement shall control.

FOR THE UNIVERSITY OF CONNECTICUT

Susan Herbst, Ph.D.
President, University of Connecticut

Date

John Biancamano
Executive Vice President for Administration and
Chief Financial Officer, University of Connecticut

Date

FOR THE UNIVERSITY OF CONNECTICUT HEALTH CENTER

Frank M. Torti, M.D., M.P.H.
Executive Vice President for Health Affairs and
Dean of the School of Medicine,
University of Connecticut Health Center

Date

FOR THE UNIVERSITY OF CONNECTICUT FOUNDATION, INC.

Coleman Levy
Chair, The University of Connecticut Foundation, Inc.

Date

Joshua R. Newton
President, The University of Connecticut Foundation, Inc.

Date

APPROVED AS TO FORM

Associate Attorney General,
Connecticut State Attorney General's Office

Date

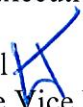
ATTACHMENT 13



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Lysa Teal 
Associate Vice President of Finance and Budget

RE: Revised Spending Plan for Fiscal Year 2015 for the University of Connecticut,
Storrs & Regional Campuses

RECOMMENDATION:

That the Board of Trustees approve the Spending Plan for Fiscal Year 2015 of \$1,188.8 million for the University of Connecticut, Storrs and Regional Campuses.

BACKGROUND:

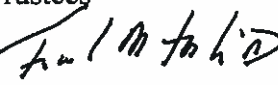
The Fiscal Year 2015 Spending Plan includes \$1,188.8 million of revenue, including State support of \$348.7 million to cover \$1,188.8 million in expenses, yielding a balanced budget.


ATTACHMENT 14

UConn HEALTH

June 25, 2014

TO: Members of the Board of Trustees

FROM: Frank M. Torti, MD, MPH 
Executive Vice President for Health Affairs
Dean, School of Medicine

Jeffrey P. Geoghegan 
Interim Chief Financial Officer

RE: Spending Plan for Fiscal Year 2015 for UConn Health

RECOMMENDATION:

That the Board of Trustees approve the Spending Plan for Fiscal Year 2015 of \$947.1 million for UConn Health.

BACKGROUND:

The Fiscal Year 2015 Spending Plan includes \$938.9 million of revenue, including State funding of \$227.0 million (including fringe benefits) and \$8.2 million of restricted capital balances to cover \$947.1 million in operating and capital spending for Fiscal Year 2015.

This request was reviewed and endorsed by the UConn Health Finance Subcommittee and UConn Health Board of Directors on June 18, 2014.


ATTACHMENT 15



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Lysa Teal 
Associate Vice President of Finance and Budget

RE: State Appropriation Request for the Biennium Fiscal Years 2016
and 2017 for the University of Connecticut, Storrs & Regional Campuses

RECOMMENDATION:

That the Board of Trustees approve a State Appropriation Request for the Biennium Fiscal Years 2016 and 2017 as follows: \$258.9 million for Fiscal Year 2016 and \$279.9 million for Fiscal Year 2017 for the UConn program.

BACKGROUND:

The FY 2016 State Appropriation Request is \$258.9 million. The University is requesting Collective Bargaining funding for settled contracts of \$10.8 million, *Next Generation Connecticut* funding of \$18.8 million and New Building Openings Operating and Maintenance (O&M) funding of \$0.2 million. Also, the University has budgeted \$130.7 million for fringe benefits, which are not appropriated directly to the University. The FY 2016 State Appropriation Request represents an increase over the FY 2015 level of \$29.8 million.

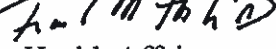
The FY 2017 State Appropriation Request of \$279.9 million is predicated upon the FY 2016 State Appropriation request of \$258.9 million. In addition, the University is requesting *Next Generation Connecticut* funding of \$20.2 million and New Building Openings Operating and Maintenance (O&M) funding of \$0.8 million. Also, the University has budgeted \$135.4 million for fringe benefits, which are not appropriated directly to the University. The FY 2017 State Appropriation Request represents an increase over the FY 2016 level of \$21.0 million.

ATTACHMENT 16

UConn HEALTH

DATE: June 25, 2014

TO: Members of the Board of Trustees

FROM: Frank M. Torti, MD, MPH 
Executive Vice President for Health Affairs
Dean, School of Medicine

Jeffrey P. Geoghegan 
Interim Chief Financial Officer

RE: State Appropriation Request for the Biennium Fiscal Years 2016 and 2017 for UConn Health

RECOMMENDATION:

That the Board of Trustees approve a State Appropriation Request for the Biennium Fiscal Years 2016 and 2017 as follows: \$141.5 million for Fiscal Year 2016 and \$141.5 million for Fiscal Year 2017 for UConn Health.

BACKGROUND:

The FY 2016 State Appropriation request is \$141.5 million. UConn Health is requesting Collective Bargaining funding for settled contracts of \$6.1 million.

The FY 2017 State Appropriation request is \$141.5 million. At this time, there are no settled contracts for 2017.

This request was reviewed and endorsed by the UConn Health Finance Subcommittee and UConn Health Board of Directors on June 18, 2014.

ATTACHMENT 17



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Operating Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: UCONN 2000 Fiscal Year 2015 Capital Budget

RECOMMENDATION:

That the Board of Trustees approve a capital budget in the amount of \$315,500,000 in UCONN 2000 General Obligation Bonds for Fiscal Year 2015.

BACKGROUND:

The proposed capital budget for UCONN 2000 Phase III (also known as 21st Century UConn) for FY15 reflects the statutory authorization "cap" of \$315,500,000. This amount includes \$205,000,000 for the UConn program and \$110,500,000 for UConn Health. To support this capital activity we are also submitting to the Board the Twentieth Supplemental Indenture authorizing University of Connecticut General Obligation Bonds for the twentieth issuance under the Master Indenture in an amount not to exceed \$315,500,000 plus cost of issuance and amounts carried forward from the Nineteenth Supplemental Indenture. As with previous issuances these funds support cash flows for both current year projects and prior years' projects where bonding has not yet occurred.

The proposed FY15 capital budget is Attachment A. Also enclosed for your information is a document updated annually (and sometimes more frequently): the UCONN 2000 Phase III Preliminary Outline, which reflects our plan by statutory named line.

Office of the Executive Vice President for
Administration and Chief Financial Officer
352 MANSFIELD ROAD, UNIT 1122
GULLEY HALL
STORRS, CT 06269-1122
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The key elements underlying the revisions to the phasing outline are detailed below. These changes are driven by academic priorities, economic realities and the importance of spending bond proceeds in a timely manner.

1. Program & Planning Adjustments:

Significant changes have been made to the UConn preliminary phasing schedule due to the *Next Generation Connecticut* initiative. *Next Generation Connecticut* is a transformational investment in the University of the sort most academic communities only dream of; it adds \$1.5 billion to the UCONN 2000 program. It will enable the University to build more laboratories, classrooms and dorms, enroll many more students, secure advanced scientific equipment, create an outstanding campus in downtown Hartford, enhance our operations in Stamford, and attend to deferred maintenance needs across all campuses. This initiative will launch UConn into the very top tier of international universities not only in the fields of Science, Technology, Engineering and Math, but in every single discipline in this modern age, where disciplines are increasingly intertwined. In addition, the University has committed existing UCONN 2000 funds toward this initiative. The UCONN 2000 Phasing Outline by Fiscal Year reflects the reallocation of existing funds and the \$1.5 billion of new funds. Thoughtful work went into designing this plan, but much more will be required to implement it properly. Planning for *Next Generation Connecticut* will be thoroughly integrated into academic planning for the entire University in the months and years to come.

The Master Plan is currently undergoing a comprehensive review and update that will reflect the impacts of the projects included in the *Next Generation Connecticut* program and account for the development of the Storrs campus for the twenty (20) year period between 2015 and 2035. The scope of the current Master Plan update will document the state of existing conditions on campus, and identify issues related to land use. Space needs for academic, research, student life and administrative uses will be identified. The master plan will include recommendations for deferred maintenance and capital investments in the physical plant, and identify environmental issues incorporating sustainable design principles for future development. Overall parking, circulation and transportation issues will be evaluated and resolved through advanced planning. Specific strategies to improve landscape quality and open spaces will be integrated with all aspects of the master plan. The planning effort will reference the programmatic ties to the Regional campuses, but will not prepare separate master plans for those locations. An Environmental Impact Evaluation (EIE) is being conducted simultaneously with the Master Plan to provide further input and complete the public engagement process for the Storrs planning efforts.

2. Cash flow:

We have made changes to accommodate revised cash flow needs, actual and projected, keeping in mind IRS requirements related to spending. Generally speaking, any delay in a large project means a delay in a significant amount of expenditure. The revised program plan and timetable was primarily adjusted for the Deferred Maintenance and Equipment needs, the Hartford Campus relocation, the new Residential Life Facilities, the new Academic and Research Facilities planning activities and the UConn Health New Construction and Renovation project. In addition, the phasing plan continues funding for larger projects already underway.

The phasing outline displays how funding is fluid in terms of meeting UConn and UConn Health needs. As long as we operate within the annual bond caps, and as long as the plan totals \$777.9 million for the Health Center and \$2.543 billion for Storrs, the authority to make these adjustments is assigned to the Trustees by law. This statutory flexibility is absolutely critical to managing the budgets and financing of the building program.

3. Indenture Amendments:

As you know, the law specifically gives the Board the authority to make revisions to project budgets and related indentures. It would be virtually impossible to manage a twenty-nine year capital program without the authority to make such adjustments. These revisions are complex because 1) we have many projects, 2) we must operate within statutory annual bond caps, 3) we must observe tax-related expenditure requirements and 4) the adjustment to the equipment and deferred maintenance lines generally involves projects which span a number of years. While revisions may affect current projects, given the annual bond caps, they also have a rollout effect over the next decade. The Board of Trustees also has the authority to amend past indentures in order to reflect changes as project budgets are finalized, audit adjustments are required, or other events affect the capital budget for a given prior fiscal year. At this time, we are not requesting changes to any Supplemental Indentures.

Below you will find a brief description of each of the projects in the FY15 capital budget. These are very general summaries; individual project budget descriptions (which are acted upon separately) provide much more detail regarding project scope, timetable, cost and funding sources. As always, the proposed use of capital funds for UConn Health is forwarded to you with the recommendation and endorsement of UConn Health's Board of Directors, who discussed and acted on these items on June 18, 2014.

Thank you. We look forward to discussing these and many other aspects of the capital budget with you at the meeting.

Storrs and the Regional Campuses

Academic and Research Facilities

New Science, Technology, Engineering & Math (STEM) facilities will provide state of the art research space to accommodate a growing number of research faculty and the increasing student enrollments in these disciplines. To enable the University to recruit outstanding faculty and develop emerging interdisciplinary research collaborations, expansion of research space is necessary. This includes multi-disciplinary laboratories, centralized core facilities and equipment. FY15 funding will construct a new Main Accumulation Area for short-term storage of regulated wastes from academic labs and support operations, and allow planning for new academic and research facilities to move forward.

Arjona and Monteith

These two buildings, located at perhaps the most highly visible sites on campus, were constructed in 1959 with each having 68,600 square feet of space on four levels. Connected to the Monteith building is the Schenker Lecture Hall, which has 5,000 square feet of space. Two new classroom facilities were constructed (Oak and Laurel Halls) to meet the continuing and increased demand for teaching space. The planned renovation of the Arjona Building was completed in time for occupancy prior to the start of the 2013 fall semester. The scope of work included installation of air conditioning throughout the building and in the two ground floor auditoria; architectural finish upgrades, lighting, electrical systems, information technology, plumbing upgrades, window renovations and the installation of a new fire alarm system were also included in the project scope. The FY15 funding will allow similar renovations to begin in the Monteith building to provide attractive and functional office and classroom space to utilize as swing space during the renovations of currently occupied buildings and for new faculty hires.

Avery Point Renovation

Buildings 21/23 are located at the center of the Avery Point Campus. They are approximately 460,000 square feet in total area combined and were formerly known as the Coast Guard Research & Development Building Barracks and Mess Hall. The buildings were built in the 1930's and were actively used until the early 1970's. Over the last 30 years, the use of the buildings has diminished and ultimately came to an end in 2006. Due to their size and current condition, FY15 funding will be utilized to demolish the structures.

Beach Hall Renovations

Beach Hall was constructed in 1929. This four-story facility contains research labs, offices and classrooms for various schools in the College of Liberal Arts and Sciences. It has 83,500 square feet of space. A general renovation of the building is required to meet its current use. Over the past few years, limited renovation projects have been completed. The FY15 funding will provide for additional programmatic renovations.

Biobehavioral Complex Replacement

At the Biobehavioral complex on Horsebarn Hill Road are a series of eight metal prefab buildings that are used as research laboratories. Many of the buildings are well beyond their useful life. Recently, a renovation project was completed that included repairs to both the original building and annex addition. FY15 funding is needed to replace the annex roof.

Bishop Renovation

The Merlin D. Bishop Center was opened in 1971 and served as the Center for Continuing Studies until late spring 2012. This three-story, 36,000 square foot facility has had minimal renovation since its original construction and was heavily used as a conference center over the last several years. Portions of

the building were re-assigned to the School of Fine Arts to provide academic program space for Printmaking and Digital Media and Design in summer 2012. Additional renovation of classroom and lab upgrades was completed in January 2014. The funds set-aside in FY15 will address issues with the roof and mechanical system.

Deferred Maintenance/Code/ADA 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 general, projects fall into one or more of the following categories:

- 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

Engineering/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 planning study has identified program components for a new Engineering & Science building which will be a state-of-the-art laboratory for transdisciplinary research in Bio-Nano Engineering, Cyber-Physical System Engineering, Chemical Engineering and other Sciences that will catalyze research advances in convergence technologies. The new building will be located on the site of the Old Central Warehouse. Demolition of this building will take place over the summer and work on the new site access road and utility relocations are to begin in August 2014 in advance of the construction of the new building which will begin in January 2015 and be completed in December 2016.

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 outdated 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.

Family Studies (DRM) Renovation

This four story building has 33,600 square feet of offices and classrooms. It was constructed in 1942 with the major occupant being the School of Family Studies. The only major construction on the building in the past twenty years was the replacement of its roof, windows and elevator. The interior of the building is in very poor condition. Funds set aside in FY15 will be utilized for repairs to the electrical system.

Fine Arts Phase II

In 1991 a Facilities Master Plan was developed with the School of Fine Arts to identify their space needs. It was proposed that a building of 20,000 square feet be constructed on Coventry Road that would connect the Fine Arts Building to the Drama Music Building. Located in this new building would be space for expanded programs. Also proposed was another project to consolidate their programs currently scattered

across the campus in facilities that are outdated and in serious disrepair. At this point, planning funds have been set-aside to address façade integrity issues at the main Fine Arts Building as well as construction of a new Production Center.

Gant Building Renovations

This complex, which includes the Institute of Materials Science, Physics and Math buildings, was completed in the early 1970's. The complex has a total of 238,000 square feet of space with offices, research labs, classrooms and computer facilities. The building now operates beyond its useful life. A major renovation or replacement of the space is required to address the physical deterioration, to update the facilities and to meet current program requirements. A recent project repaired major façade issues that impacted the safety at the two main entrances of the building.

In addition, the Data Center Stabilization project is underway. This project addresses the multiple single mechanical and electrical elements that can fail and cause the entire operating environment to crash as well as provide additional power for needed equipment upgrades. During FY15, funds will be used for ongoing mechanical system updates as well as limited programmatic renovations. In addition, planning will begin for a project to address issues throughout the building.

Hartford Relocation Acquisition/Renovation

The Greater Hartford Campus serves the most diverse student group at UConn. The existing facilities have deteriorated and the cost to repair and restore them is tremendous. Some of the repairs are so extensive that they cannot be accommodated while the buildings are occupied. Relocating the Greater Hartford Campus to Hartford will provide enhanced service learning & internship opportunities for undergraduate & graduate education programs; expanded economic activity through increased interaction with local businesses; it will consolidate undergraduate programs, Public Administration, School of Social Work and School of Business into one downtown location; and proximity will increase transfer access for community college students. FY15 funding will continue to support planning and design efforts currently underway.

Heating Plant Upgrade

The University completed an expansion to the existing heating plant, a new Cogeneration system in 2006. At the time of construction, space to accommodate a future chiller and emergency generator were made should the University require additional cooling, electrical standby capacity and reliability improvements. The University will need additional chilled water, emergency power for life safety as well as emergency power for business continuity purposes. FY15 funds will allow for the chilled water system and emergency power projects to continue as well as provide for replacement of the roof.

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. At this point, FY15 funding will provide support for limited repairs and renewal of the HVAC system.

Manchester Hall Renovation

The Harry Grant Manchester Hall is a 28,500 square foot office and classroom building constructed in 1940 and required various upgrades and repairs to the exterior envelope. The building is listed on the National Historic Register and the design team worked closely with the State's Historic Commission

Officer to ensure compliance. The University developed contract documents for the installation of new windows and repair to the façade and roof. The work was completed in the summer of 2012. A minor project to address deficiencies to the electrical distribution within the building was completed in the summer of 2013. During FY15, the water intrusion issue will be addressed.

Mansfield Training School Improvements

The Mansfield Training School site, also known as the Depot Campus, has a variety of facilities in mostly fair to poor condition. Several of the buildings have been moderately renovated to serve as incubator or transition space for some academic and administrative purposes, some spaces to be used as storage facilities, and others to be used by operations for maintenance shops, storage and office space. Some of the oldest facilities are no longer in use, have been permanently closed and are in various stages of disrepair and degradation. This project, in its two phases, will stabilize some of the facilities that comprise the former Mansfield Training School. Funding to date has been used for renovations in the Longley building (for Engineering research functions and the Technology Incubator Program), the Thompson building (for Fine Arts functions), Merritt Hall (for research incubator technology programs and other administrative activities), a campus-wide high voltage electrical system, mechanical and electrical system improvements to various cottages, roof repairs and the construction of new student recreation fields. Additional renovations, electrical improvements and demolition of uninhabitable buildings will be included in later years of the program. In addition to the improvements that have been made to the useable facilities outlined above, the next phase of work will focus on identifying the buildings to be demolished, securing the buildings that will remain but are not actively used in the near term, and developing a strategy for the long term university use of the property.

North Hillside Road Completion

This project provides for the extension of North Hillside Road by 5,300 lineal feet to Route 44. The project also provides for related utilities including gas, electrical, water, sewer and telecommunications to the new extension. The project will enhance access to the Storrs campus directly from Route 44 and provide sorely needed relief from traffic congestion on Route 195. Additionally, both the road and accompanying utilities will permit future development of more than 200 acres. The North Campus is envisioned as the primary area of expansion for the main campus, permitting new research buildings and public/private partnerships such as incubator space including the Innovation Partnership Building, which is the first building of the UConn Technology Park, and other initiatives. The Town of Mansfield is supportive of the road project. UCONN 2000 funds will be augmented by \$5.8 million in Federal funds granted to the University for this project as well as funds set-aside in the Technology Park State GO Bonds. FY15 funds will continue to support this project which is underway. Construction is anticipated to begin in July 2014 and the road will be open to traffic in December 2015.

North Superblock Site and Utilities

During the course of planning for the Next Generation Connecticut initiative, it became clear that the University may need to address utility issues in the North end of campus. The Master Plan process currently underway will determine the specific needs for this project. At that point, FY15 funds will allow planning activities to begin on a new Supplemental Utility Plant.

Parking Garage #3

The University's Facilities Master Plan identified the need for and recommended a proposed site for a third parking garage. In the UCONN 2000 program, the North Parking Garage was constructed in the north side of the campus and the South Parking Garage was constructed in the campus core next to Gampel Pavilion. The location of this third garage will be determined through the new Master Plan process.

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, code improvements and sprinkler installations 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 developments of two new residence halls are currently in the planning stages. One residence hall will be dedicated to the STEM initiative and have a living/learning community, as well as, approximately 700 beds. A bridging architect was chosen, completed Concept Design and the project is out to bid, with the current target completion date for the project in the Fall 2016. The second residence hall will house Honors students and is in the preliminary site planning stage on the South side of campus. In addition to funding these ongoing projects, FY15 funding will support façade repairs at the South Campus complex as well as other deferred maintenance needs in all of the residential facilities.

Stamford Campus Improvements/Housing

When the Stamford Downtown Campus was constructed, the majority of funds were spent on academic building and site work. The University has commenced an evaluation process to provide residential housing at or near the UConn Stamford campus. A Request for Expressions of Interest was published in December 2013 and the University has published a Request for Proposal based on the initial responses. The current goal is to have housing available for the Fall 2017 semester. FY15 funding will support this initiative.

Support Facility (Architectural & Engineering Services)

Architectural and Engineering Services has occupied a temporary modular building since 1987. Unfortunately, this temporary structure is in need of many repairs. During FY15, deferred maintenance work will be completed on the roof and building skirt.

Torrey Renovation Completion & Biology Expansion

The Torrey Life Sciences Building was constructed in 1961. The six level facility has 148,000 square feet of research labs, teaching labs, offices and classrooms. The primary occupant of the building is the Biology Department. Major internal and external repairs are needed in this facility. In addition to limited programmatic renovation work, FY15 funds will address the leaking roof.

Torrington Campus Improvements

The Torrington Campus Academic Building was constructed in 1965. It has 37,000 square feet of classrooms, teaching labs, library, office and cafeteria space. The facility has had only minor renovations since its completion. This project would provide funds in FY15 for ongoing deferred maintenance needs.

Waterbury Downtown Campus

The Waterbury Downtown Campus was completed in 2002. This project provides funding for ongoing deferred maintenance repairs to the facility as well as funds for the renovation of the newly leased Waterbury Rectory facility.

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 replacement; masonry repointing; restroom renovations; and mechanical system upgrades (including laboratory ventilation), and the project was completed in August 2013. In January 2014, the University began the design of the exterior envelope repair and construction is planned to be completed in the Fall of 2014. FY15 funds will support this initiative.

UConn Health

CLAC Renovation Biosafety Level 3 Lab

This project entails renovations to the “B” building, housing the Center for Comparative Medicine (formerly known as the Center for Laboratory Animal Care (CLAC)). The 59,000 square foot facility was built in 1972. The focus of the renovation work for the facility is the replacement of the aged mechanical systems and renovations to the research space. The project is in construction and is scheduled for completion in April 2015.

Deferred Maintenance/Code/ADA Renovation Lump Sum

The 2007 amendments to the law define the “deferred maintenance” 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 fall into one or more of the following categories:

- 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

Equipment, Library Collections & Telecommunications

These funds are allocated to support the UConn Health’s equipment, needs and telecommunications infrastructure improvements. More specifically, the project line covers computers, management information systems, research equipment, instructional equipment, furnishings, and operational and public safety support. 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 Health Center services.

Main Building Renovation

UConn Health’s Main building includes access 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 research area of the facility consists of seven floors, which house over 200 laboratories and support space. Over the life of the building, no substantial renovations or upgrades have been undertaken.

An early phase of this project, the Clinical Skills Renovation, was completed in December 2007. This 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 next phase of the Main Building renovation focuses on UConn Health's largest research facility, the "L" (LAB) building, which houses over 200,000 square feet of research labs and support space. The goal of the project is the phased replacement of the building heating and air conditioning, electrical, and plumbing systems and renovations to the lab spaces across seven floors of the building.

This project's scope is expanded as part of the Bioscience Connecticut initiative. The original scope of work included renovation to approximately 50% of the space on floors 1-7 in the L building. The renovations will be completed in two projects and each project will have 3 phases. The first phase of Project 1 began as scheduled in December 2012 and construction for the majority of this phase is complete. The next phase is underway and is scheduled for completion in December 2014.

Planning for Project 2 will begin in June 2014 and construction will begin after the completion on Project 1 in July 2015.

UCHC New Construction and Renovation

The existing John Dempsey Hospital (JDH) building lacks 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, has never been substantially renovated. The addition and renovation will provide 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.

Under this project, construction is underway for a new 169 patient bed tower as an addition to the existing main Hospital (H) Building. The addition will include space for 13 new operating rooms and a new 42 bay Emergency Department. The renovation work will relocate the Clinical Lab and the Clinical Pharmacy programs and will replace or refurbish the mechanical and electrical infrastructure for much of the existing H building.

The project is being implemented in phases as follows:

- Phase 1: New Parking Garage 3 and site utility work. This phase was completed in April 2013.
- Phase 2: Construction of the new bed tower, Emergency Department, Operating Room suite, and the new Parking Garage2. Construction is underway and scheduled for completion in January 2016.
- Phase 3: Renovations to the existing Hospital (H) building. Construction to begin after the completion of the bed tower in 2016.

UCHC New Construction and Renovation: Clinic (C Building) Renovations:

This project is in design and the scope of work includes renovations for the Dental School, the Pat and Jim Calhoun Cardiology Center, the Clinical Research Center, and a multi-specialty clinic area. In addition to the program renovations, the mechanical, electrical and plumbing systems serving these areas will be replaced or upgraded. Design will continue through March 2015 and construction will follow.

UCONN 2000 Year 20 Proposed FY 2015 Authorized Projects

Storrs & Regional Campuses

<u>Project Name</u>	<u>Phase III Funding</u>
Academic and Research Facilities	\$ 14,599,327
Arjona and Monteith	5,563,769
Avery Point Renovation	10,014,536
Beach Hall Renovations	550,000
Biobehavioral Complex Replacement	556,000
Bishop Renovation	1,300,000
Deferred Maintenance/Code/ADA Renovation Lump Sum	30,682,615
Engineering Building	20,970,913
Equipment, Library Collections & Telecommunications	34,500,000
Family Studies (DRM) Renovation	25,000
Fine Arts Phase II	26,509
Gant Building Renovations	1,075,000
Hartford Relocation Acquisition/Renovation	13,299,682
Heating Plant Upgrade	9,828,824
Jorgensen Renovation	50,000
Manchester Hall Renovation	75,000
Mansfield Training School Improvements	1,643,242
North Hillside Road Completion	1,500,000
North Superblock Site and Utilities	450,000
Parking Garage #3	106,034
Residential Life Facilities	38,393,495
Stamford Campus Improvements/Housing	9,170,616
Support Facility (Architectural & Engineering Services)	250,000
Torrey Renovation Completion & Biology Expansion	1,269,368
Torrington Campus Improvements	250,000
Waterbury Downtown Campus	1,420,846
Young Building Renovation/Addition	7,429,224
Subtotal of Storrs & Regional Campuses	<u>\$ 205,000,000</u>

UConn Health

<u>Project Name</u>	<u>Phase III Funding</u>
CLAC Renovation Biosafety Level 3 Lab	\$ 5,810,000
Deferred Maintenance/Code/ADA Renovation Sum	2,900,000
Equipment, Library Collections & Telecommunications	4,125,000
Main Building Renovation	11,679,000
UCHC New Construction and Renovation	85,986,000
Subtotal of UConn Health	<u>\$ 110,500,000</u>
Grand Total FY 2015	\$ 315,500,000

ATTACHMENT 18



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost & Executive Vice President for Academic Affairs

RE: Fiscal Year 2015 Deferred Maintenance/Code/ADA Renovation
Lump Sum Project List

RECOMMENDATION:

That the Board of Trustees approve the Deferred Maintenance/Code/ADA Renovation Lump Sum Project List for FY15 in the total amount of \$30,682,615 for UConn and \$2,900,000 for UConn Health.

BACKGROUND:

The attached FY15 proposed Deferred Maintenance/Code/ADA Renovation Lump Sum Project lists for UConn and UConn Health represent the priority projects. The UConn Health Board of Directors, at its June 18, 2014 meeting, endorsed and recommended the Health Center project list. All capital projects costing \$500,000 or more are submitted for Board action on a project by project basis.

It is anticipated that during the fiscal year some projects may change in priority, scope and cost. There may also be unexpected additions, since the Deferred Maintenance budget is often the appropriate means to address emergencies. It is for this reason that the Board reviews and acts upon Deferred Maintenance twice every year: a proposed list for the coming fiscal year and a final list for the fiscal year just closed. Board of Trustee policy requires that an annual contingency be reserved for budget over runs which, in some cases, is not utilized if the project is completed at or below budget. Upon project close out these funds are retained in deferred maintenance reserve for reallocation at a later date.

The proposed lists for FY15 are attached for your consideration and approval.

University of Connecticut
Storrs & Regional Campuses
FY15 Deferred Maintenance/Code/ADA Renovation Lump Sum Projects

Buildings

Annual Lifecycle - Building Envelopes, Elevators, Mechanical Systems, Life Safety
Annual Lifecycle - Classroom Renewals
Annual Lifecycle - Parking Garage Renewals
Alumni Quad - Replace Air Scoops & Expansion Tanks
Gampel - Cooling Tower & Chiller Replacement and HVAC Upgrades
Bio-Physics - Laboratory Hood Control System Renewal: Phase I
Bio-Physics - Sprinkler Corrosion Protection Study
Castleman - HVAC Controls, Mechanical Room Ventilation & Fume Hood Access
Co-op - Canopy Fire Protection Coating Repair
Fieldhouse - HVAC Upgrades, Return Air Units, Steam Traps
Phillips - HVAC System Repair & Spline Ceiling Replacement

Subtotal \$5,310,000

Infrastructure

Annual Lifecycle - Water Supply, WPCF, Utilities
Hillside Road & Gilbert Road Infrastructure
North Eagleville Road Area Infrastructure Repair/Replacement
North West Quadrant Infrastructure
Sewage Treatment Plant Main Transfer Switch & Priority 1 Repairs
Sewer Lift Station near Central Utility Plant
Sewer Line Replacement @ Storrs Road Pump Station
Water Line Replacement - Phase I & II

Subtotal \$8,900,095

Code / ADA

Code Corrections
Environmental Compliance-Asbestos Abatement, Mold Remediation, Restoration

Subtotal \$4,750,000

Access, Appearance & Safety

Annual Landscape Maintenance & Repair
Strategic Campus Imaging & Landscape Programs
Surface Parking Repairs

Subtotal \$4,285,000

Renovation and Lump Sum Projects

Bergin Renovation
Engineering Lab Renovations
Hammer / Discus Throw Relocation
Master Plan
New Faculty Renovations
Putnam Refectory Renovation

Subtotal \$4,450,305

Total Project Allocations **\$27,695,400**
Emergency / Reserve 2,987,215
Total **\$30,682,615**

UConn Health
Farmington Campus
FY15 Deferred Maintenance/Code/ADA Renovation Lump Sum Projects

Deferred Maintenance - Buildings/Infrastructure

600C/B Boilers Refractory

MARB Replace 2 Steam Boilers

MARB Exterior Joint Sealant

New Hospital Main Lobby Carpeting

H Building Replace Domestic Water Pumps

Emergency Power Generator Shrouds

Fire Alarm Upgrades

Replace Dental Spencer Turbine & Van/Dental Oral Suction Pumps

Beacon Medaes Upgrade Hospital Medical Gas Systems

Check Valves Marley Cooling Tower

LSB2 Drain Sump Pump Replacement

Parking Lot Repaving

Bioscience Connecticut Start Up Faculty Renovations

Total Project Allocations	\$2,625,000
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Emergency/Reserve	275,000
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Total	\$2,900,000
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ATTACHMENT 19



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

RE: Twentieth Supplemental Indenture Authorizing University of Connecticut
General Obligation Bonds

RECOMMENDATION:

That the Board of Trustees approve the Twentieth Supplemental Indenture, substantially in the form attached hereto, authorizing University of Connecticut General Obligation Bonds secured by the State of Connecticut's (the "State") Debt Service Commitment in an amount not to exceed \$315,500,000 plus costs of issuance, plus amounts carried forward from the Nineteenth Supplemental Indenture.

BACKGROUND:

The University of Connecticut's (the "University") General Obligation Bonds authorized by the UCONN 2000 Act (Sections 10a-109a to 10a-109y, inclusive, of the Connecticut General Statutes, as amended) are secured by a Master Indenture of Trust by and between the University and U.S. Bank National Association, dated as of November 1, 1995, as amended (the "Master Indenture") which provides that each new issue of bonds be issued pursuant to a supplemental indenture. For bonds secured by the State Debt Service Commitment, the law sets maximum annual amounts that the University, through its Board of Trustees, may issue.

The Twentieth Supplemental Indenture authorizes the appropriations for and issuance of bonds in the maximum amount of \$315,500,000 plus costs of issuance to finance fiscal year 2015 Phase III projects, plus amounts carried forward from the Nineteenth Supplemental Indenture. Phase III includes projects at Storrs, the regional campuses and UConn Health.

The Twentieth Supplemental Indenture also authorizes that the exact amount of the bonds be determined at the time of issuance depending on cash expenditure requirements for twelve months or less following issuance. Appendix A of the Twentieth Supplemental Indenture lists the UCONN 2000 projects that may be financed by the bonds (excluding the projects financed by the carry forward amounts).

Office of the Executive Vice President for
Administration and Chief Financial Officer
352 MANSFIELD ROAD, UNIT 1122
GULLEY HALL
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FAX 860.486.1070

This recommendation, if approved, will serve as the Board of Trustees' resolution for approval of the Twentieth Supplemental Indenture and for the series of bonds to be issued in accordance therewith. The resolution, with supplemental information, as appropriate, will be sent to the Governor for approval. If the Governor chooses not to exercise his statutory authority to approve or disapprove the resolution within 30 days of its submission, it will be deemed approved in accordance with the Act.

UNIVERSITY OF CONNECTICUT

as Issuer

and

U.S. BANK NATIONAL ASSOCIATION

as Trustee

TWENTIETH SUPPLEMENTAL INDENTURE

AUTHORIZING

THE UNIVERSITY OF CONNECTICUT
GENERAL OBLIGATION BONDS

(Secured by the State Debt Service Commitment)

Dated as of _____

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**TWENTIETH SUPPLEMENTAL INDENTURE
AUTHORIZING THE ISSUANCE OF
THE UNIVERSITY OF CONNECTICUT
GENERAL OBLIGATION BONDS
(SECURED BY THE STATE DEBT SERVICE COMMITMENT)**

ARTICLE I

Definitions and Statutory Authority

101. **Twentieth Supplemental Indenture.** This Twentieth Supplemental Indenture authorizing the Bonds is supplemental to, and constitutes a Supplemental Indenture within the meaning of, and is adopted in accordance with Article X of the General Obligation Master Indenture of Trust between the University of Connecticut (the “University”) and the Trustee dated as of November 1, 1995 (the “Indenture”) as amended and supplemented to the date hereof, the form of which was approved by the State Bond Commission as required by Section 10a-109g of the General Statutes of Connecticut.

102. **Definitions.** All terms defined, and the rules of construction set forth, in Article I of the Indenture shall have the same meanings in this Twentieth Supplemental Indenture as such terms are given in such Article I except that, as used in this Twentieth Supplemental Indenture, the following terms shall have the following respective meanings, unless the context shall otherwise require:

“**Authorized Officer’s Certificate**” means a copy of a resolution of the Board of Trustees certified by an Authorized Officer.

“**Authorized Officer for Sale Purposes**” means the Authorized Officer, who shall be an officer, official or trustee serving on the financial affairs committee of the Board of Trustees.

“**Bond Insurance Policy**” means the municipal bond insurance policy, if any, issued by the Bond Insurer that guarantees payment of principal of and interest on the Bonds and constitutes a Bond Facility under the Indenture.

“**Bond Insurer**” means a financial guaranty insurance company, if any, or any successor thereto which insures the Bonds as provided in the Certificate of Determination.

“**Bonds**” means any series of bonds issued pursuant to this Twentieth Supplemental Indenture.

“**Certificate of Determination**” means the certificate of determination of the Treasurer required by section 502 hereof and otherwise referenced herein.

“**Twentieth Supplemental Indenture**” means this Twentieth Supplemental Indenture dated as of _____, as may be amended from time to time, authorizing the Bonds.

“Indenture” means the General Obligation Master Indenture of Trust between the University and the Trustee dated as of November 1, 1995, as from time to time amended or supplemented.

“Insured Bonds” means any series or certain maturities in any series of bonds to be insured by a municipal bond new issue insurance policy to be issued simultaneously with the delivery of Bonds by the Bond Insurer.

“Official Statement” means the official statement of the University relating to the Bonds.

“Preliminary Official Statement” means the preliminary official statement of the University relating to the Bonds.

“Principal” or **“principal”** means the principal amount of each Bond payable at maturity.

“Principal Amount” means the outstanding principal of a Bond.

“Underwriters” means the initial purchasers of the Bonds pursuant to a bond purchase agreement duly executed by the University, the Treasurer and such purchasers.

103. **Authority for the Twentieth Supplemental Indenture.** This Twentieth Supplemental Indenture is entered into by the University and the Trustee pursuant to the provisions of the Act and the Indenture.

ARTICLE II

Authorization, Terms and Issuance of Bonds

201. **Authorization of Fiscal Year 2014-2015 Bonds, Maximum Amount, Delegation, Designation and Pledge.** Bonds for Fiscal Year ending June 30, 2015 entitled to the benefit, protection and security of the Act and Indenture, and constituting Bonds to be secured by the State Debt Service Commitment are hereby authorized to be issued under the Indenture and pursuant to the Act in a maximum amount not to exceed \$315,500,000 for the UConn Projects as set forth in Appendix A (attached hereto and hereby made a part hereof) and constituting UConn 2000 Projects (provided nothing herein shall preclude the amendment of Appendix A pursuant to the Act and in accordance with the Indenture and as provided by Appendix A), plus the amount of the Costs of Issuance to be funded from the proceeds of such Bonds.

All of the principal amount of bonds authorized but unissued under the Nineteenth Supplemental Indenture approved by Governor Malloy on July 11, 2013, as amended and as set forth in the Certificate of Determination executed in connection with the bonds issued pursuant to the Nineteenth Supplemental Indenture is carried forward to Fiscal Year 2014-2015 in accordance with the Act.

The exact amount of the Bonds to be issued under this Twentieth Supplemental Indenture is hereby delegated to and is to be determined by a certificate of, the Authorized Officer for Sale Purposes in accordance with Section 7(a)(2) of the Act respecting the anticipated cash expenditure requirements for authorized UConn 2000 Projects within the year following issuance plus not more

than twenty (20%) percent in excess thereof, provided that such amount shall not exceed \$315,500,000 (plus Costs of Issuance and any carry forward amounts). The amount of the balance of Bonds herein authorized for Fiscal Year ending 2015 and not funded by the Bonds shall be issued subsequently pursuant to an additional Certificate of Authorized Officer for Sale Purposes as an additional series of Bonds hereunder or pursuant to a Supplemental Indenture or Supplemental Indentures depending on the remaining cash expenditure requirements respecting each UConn 2000 Project theretofore authorized by a Supplemental Indenture.

The Bonds shall be designated as and shall be distinguished from other Bonds by the additional title “_____ Series ____” or such other designation or designations of “Series ____” inserting the applicable number and letter, respectively, reflecting the year and series issued, as provided in the Certificate of Determination, pursuant to and subject to the terms, conditions and limitations established in the Indenture, this Twentieth Supplemental Indenture, an Authorized Officer’s Certificate and the Treasurer’s Certificate of Determination. In accordance with the Act, the amount of the State Debt Service Commitment in each fiscal year is hereby pledged for the punctual payment of the Special Debt Service Requirements on the Bonds as the same arise and shall become due and payable.

202. **Purposes.** The Bonds will be issued and used to provide funds for deposit in the following accounts of the Bond Proceeds Fund: (i) Construction Account, which, pursuant to Section 602 of the Indenture unless otherwise provided by a Supplemental Indenture, shall be held and maintained by the Trustee, for construction and equipping of certain facilities (or reimbursement to the University for funds expended therefor) that are included and that have been authorized as a UCONN 2000 Project by the Board of Trustees and (ii) Cost of Issuance Account, which, pursuant to Section 602 of the Indenture unless otherwise provided by a Supplemental Resolution, shall be held and maintained by the Treasurer, to pay or provide for the Bonds costs of issuance. The Treasurer and University shall cause the proceeds from the sale of the Bonds to be so deposited in the Bond Proceeds Fund. Monies in the Construction Account respecting the proceeds of the Bonds heretofore issued may be disbursed from time to time pursuant to Section 603 of the Master Indenture, particularly paragraph (5) thereof, for any such UConn 2000 Project but not in excess of the aggregate amount authorized for such UConn 2000 Project by the Board of Trustees.

203. **Interest Payments.** The Bonds shall bear interest from their respective dates, payable on the date or dates, and at the rates as shall be determined by the Treasurer in the Certificate of Determination. Except as otherwise may be provided in such Certificates, interest shall be computed on the basis of a 360-day year consisting of 12 months of 30 days each.

204. **Form, Denomination, Numbers and Letters.** The Bonds shall be in fully registered form and shall initially be registered in the name of Cede & Co., as nominee of The Depository Trust Company, New York, New York (“DTC”), which will act as securities depository for the Bonds. The Bonds shall be in denominations to be determined by the Treasurer in the Certificate of Determination. The Bonds shall be lettered “AR-____” or such other letters provided in the Certificate of Determination. Each such letter shall be followed by the number of the Bonds. The Bonds shall be numbered consecutively from one upward in order of issuance.

205. **Places of Payment and Paying Agent.** So long as all of the Bonds are registered in the name of Cede & Co., as nominee of DTC, or any other nominee of DTC or its successor as securities depository, Principal, Sinking Fund Installments, if any, Redemption Price of and interest

on the Bonds shall be payable from the Trustee to DTC or its successor as securities depository for the Bonds, as determined by the Treasurer in the Certificate of Determination. If any of the Bonds shall no longer be registered in the name of a nominee of DTC or any successor securities depository or its nominee, interest on the Bonds shall be payable by check mailed to the registered owners of the Bonds, and Principal, Sinking Fund Installments, if any, or Redemption Price of the Bonds shall be payable at the principal corporate trust office of the Paying Agent for the Bonds.

206. **Sale.** Pursuant to Sections 7(e) and (f) of the Act, the Treasurer is authorized by the Act to sell the Bonds by negotiation or public competitive sale, in such manner, at such price or prices, at such time or times, in one or more series, and on such terms and conditions as the Treasurer shall determine to be in the best interests of the State and University. The terms and particulars of each such sale, the receipt of each proposal and each award of the Bonds and all other action appropriate or necessary in connection therewith shall be set by the Treasurer, including the selection of the Trustee pursuant to Article VIII of the Indenture, in conjunction with the Authorized Officer for Sale Purposes to whom such matters are hereby delegated and shall be recited in the Treasurer's Certificate of Determination, and confirmed by the Authorized Officer for Sale Purposes.

207. **Execution.** The Bonds shall be signed in the name of the University by the manual or facsimile signature of its President and the seal of the University (or a facsimile thereof) shall be affixed, imprinted, engraved or otherwise reproduced thereon and attested by an Authorized Officer. The Bonds shall be authenticated manually by the Trustee in accordance with the provisions of the Indenture.

208. **Delivery and Application of Bond Proceeds.** After their execution as provided herein and in the Indenture, the Bonds shall be delivered to the Trustee for authentication as provided in the Indenture and shall thereupon be delivered to the Underwriters upon receipt by the Trustee of the purchase price therefor in accordance with the documents of sale and upon satisfaction of the conditions contained therein and in the Indenture. The proceeds of the Bonds shall be deposited in the Bond Proceeds Fund in the amounts and for the Construction Account and Costs of Issuance Account, as more particularly set forth in the Certificate of Determination of the Treasurer.

209. **Defeasance.** Pursuant to Section 1001(1)(b) of the Master Indenture, for purposes of the Bonds, Section 1402(c) of the Master Indenture is hereby amended in its entirety as follows.

(c) in the event said Bonds are not by their terms subject to redemption within the next succeeding 60 days, the University shall have given the Trustee in form satisfactory to it irrevocable instructions to mail at least once, or to publish at least twice at an interval of not less than seven days between publications in an Authorized Newspaper, as soon as practicable, a notice to the Holders of such Bonds that the deposit required by (b) above has been made with the Trustee and that said Bonds are deemed to have been paid in accordance with this Section and stating such maturity or redemption date upon which moneys are to be available for the payment of the principal or Redemption Price, if applicable, on said Bonds.

ARTICLE III

Form of the Bonds

301. **Form of the Bonds.** The Bonds shall be substantially in the form set forth in the Indenture with such additions or deletions anticipated by this Twentieth Supplemental Indenture as are set forth in the Certificate of Determination.

ARTICLE IV

Tax Covenant

401. **Tax Exemption.** In order to maintain the exclusion from gross income for purposes of federal income taxation of interest on the Bonds, the University hereby covenants to comply with the provisions of the Code, and any regulations or rulings issued thereunder, applicable to the Bonds. Further, the University covenants that it will not take any action or fail to take any action that would cause the Bonds to be “arbitrage bonds” within the meaning of Section 148(a) of the Code. In fulfilling the covenants set forth in this Section, the University hereby agrees to instruct all parties acting by or on behalf of the University or in any manner with respect to the Bonds regarding all acts necessary to satisfy and fulfill such covenants.

ARTICLE V

Miscellaneous

501. **No Recourse.** No recourse shall be had for the payment of the principal of or interest on the Bonds or for any claim based thereon or on this Twentieth Supplemental Indenture against any member of the Board of Trustees, nor the State Bond Commission or any officer of the University or the State or any person executing the Bonds and neither the members of the Board of Trustees or the State Bond Commission nor officers of the University or the State nor any person executing the Bonds, or with respect to execution of documents hereinafter mentioned, including the Preliminary Official Statement, the Official Statement and any Bond Purchase Agreement, Tax Regulatory Agreement or documents in connection with the authorization, issuance and sale of the Bonds shall be liable personally thereon or be subject to any personal liability or accountability by reason of the issuance or execution thereof. Pursuant to Section 19 of the Act, the provisions of Sections 4-165 and 5-141d of the General Statutes shall apply to any employee or official of the University or other State agency who is discharging his duties or acting within the scope of his employment in furtherance of the UCONN 2000 Infrastructure Improvement Program.

502. **Delegation of Authority to Treasurer and to Authorized Officer for Sale Purposes.**

(A) The Treasurer is delegated, pursuant to the Act on behalf of the University and subject in all respects to the Indenture, the authority to determine with respect to the Bonds the date or dates and maturities (provided, however, that the Bonds issued to finance equipment and

collections shall mature not later than five (5) years from their dated date and the Bonds issued to finance any other purpose shall mature not later than thirty (30) years from their dated date); provisions for either serial or term bonds, sinking fund requirements, if any; due dates of interest; denominations; the terms, if any, of optional or extraordinary redemption, with or without premium; time or times of sale (subject to the cash flow requirements of the University to cover the cost of the UCONN 2000 Infrastructure Improvement Program) and manner of sale; interest rates and limitations with respect thereto; provisions for receipt and deposit or investment of the good faith deposit pending delivery; and such other terms and conditions of the Bonds and of the issuance and sale thereof as the Treasurer may determine to be in the best interests of the State and University. The Treasurer shall file a Certificate of Determination with the University and Secretary of the State Bond Commission on or before the date of delivery of the Bonds setting forth the details and particulars of the Bonds determined by her in accordance with this delegation. Such Certificate of Determination shall be delivered to the Trustee on or before the date of closing of the Bonds.

(B) The Treasurer is also delegated, pursuant to the Act and, in accordance with Section 4(a)(5) of the Act pursuant to certain provisions of Section 3-20 of the General Statutes of the State of Connecticut, as amended, the authority to enter into agreements in consultation with the University (through an Authorized Officer) with respect to the issuance and sale of the Bonds, including financial advisory agreements, bond purchase agreements, tax regulatory agreements, and agreements with respect to security for the Bonds.

(C) The Authorized Officer for Sale Purposes or the Executive Vice President for Administration and Chief Financial Officer is hereby delegated and the Treasurer is further delegated, pursuant to the Act, the authority to approve the final terms of and publication and distribution of the Official Statement in connection with the offering and sale of the Bonds and to sign and certify that the Preliminary Official Statement is an official statement that the University deems final as of its date for purposes of Rule 15c-2-12 of the Securities and Exchange Commission ("Rule 15c-2-12"), except for certain permitted omissions described in paragraph (b)(1) of Rule 15c-2-12. The mailing, publication and distribution of the Preliminary Official Statement is hereby approved. The Treasurer, in conjunction with the Authorized Officer for Sale Purposes or the Executive Vice President for Administration and Chief Financial Officer, is further authorized and directed to sign any amendment or supplement or certificate with respect to the Official Statement or the Preliminary Official Statement that may, in the Treasurer's judgment, be necessary or appropriate on or before the date of delivery of the Bonds.

(D) Subsequent to adoption of the resolution of the Board of Trustees authorizing the Twentieth Supplemental Indenture, the Authorized Officer for Sale Purposes is hereby authorized to make such changes, insertions, deletions or provisions to the Twentieth Supplemental Indenture, not materially inconsistent with the intent of the provisions of the Twentieth Supplemental Indenture as so adopted as may be necessary or appropriate to respond to the requirements of the Governor, the Treasurer, the Underwriters of the Bonds, the Bond Insurer, if any, or the rating agencies with respect to the Twentieth Supplemental Indenture as evidenced by approval of the Certificate of Determination and may rely on a Counsel's Opinion for advice with respect to the foregoing. In addition, any Authorized Officer is authorized and directed to sign other documents ancillary to the authorization, issuance and delivery of the Bonds within the scope of such Authorized Officer's duties at the University and under the Act.

503. **Declaration of Official Intent.** The University reasonably expects to incur expenditures (the "Expenditures") in connection with the Bond projects of which a general functional description is contained in Appendix A attached hereto (collectively, the "Project"). The University reasonably expects to reimburse itself for the cost of Expenditures with respect to the Project with the proceeds of Bonds, tax-exempt obligations to be issued by the University, not later than eighteen (18) months after the later of the date the original Expenditure is paid or the date the Project is placed in service or abandoned, but in no event more than three (3) years after the original Expenditure is paid. The maximum principal amount of such debt with respect to the Project is not expected to exceed \$315,500,000. This declaration of official intent is a declaration of official intent made pursuant to Section 1.150-2 of the Regulations.

IN WITNESS WHEREOF, the University of Connecticut has caused this Twentieth Supplemental Indenture to be signed by its President and sealed the same with its seal attested by an Authorized Officer, and the Trustee, for itself and its successor or successors, has caused this Twentieth Supplemental Indenture to be signed and sealed by its duly authorized officer and has by its execution hereof signified its acceptance of the trust hereby created and imposed.

THE UNIVERSITY OF CONNECTICUT

By: _____
Susan Herbst
Its President

(SEAL)

ATTEST:

By: _____
Its Executive Vice President for Administration and Chief Financial Officer

U.S. BANK NATIONAL ASSOCIATION,
as Trustee

Date: _____

By: _____
Name:
Title:

APPENDIX A¹

**TWENTIETH SUPPLEMENTAL INDENTURE
UCONN 2000 INFRASTRUCTURE IMPROVEMENT PROGRAM
FISCAL YEAR 2014-2015
UCONN 2000 BOND AUTHORIZATIONS
_____ SERIES ____ BOND PROJECTS**

UCONN 2000 Projects*	UCONN 2000 Phase III Total (\$) Needed - D.S.C. Bonds**	Fiscal Year 2014-2015 Bond Authorization ⁽²⁾	UCONN 2000 Phase III Prior D.S.C. Bond Authorization ***
--<u>Storrs and Regional Campuses</u>			
Academic and Research Facilities	\$488,449,827	\$14,599,327	\$1,000,000.00
Arjona and Monteith (new classroom buildings)	131,615,885	5,563,769	107,000,000.00
Avery Point Renovation	32,909,345	10,014,536	1,016,469.54
Beach Hall Renovations	5,292,695	550,000	4,742,695.33
Biobehavioral Complex Replacement	3,343,975	556,000	2,787,975.00
Bishop Renovation	3,850,000	1,300,000	2,550,000.00
Deferred Maintenance/Code/ADA Renovation Lump Sum	667,864,993.63	30,682,615	184,698,524.77
Engineering Building (with Environmental Research Institute)	92,659,050	20,970,913	7,000,000.00
Equipment, Library Collections & Telecommunications	242,741,496.00	34,500,000	79,141,496.00
Family Studies (DRM) Renovation	2,893,306	25,000	2,868,306.20
Fine Arts Phase II	22,738,572	26,509	4,575,000.00
Gant Building Renovations	162,269,050	1,075,000	15,250,000.00
Hartford Relocation Acquisition/Renovation	115,000,000	13,299,682	3,125,317.59
Heating Plant Upgrade	49,014,045	9,828,824	2,875,000.00
Jorgensen Renovation	2,134,475	50,000	2,084,474.58
Manchester Hall Renovation	882,264	75,000	807,264.00
Mansfield Training School Improvements	11,643,242	1,643,242	3,000,000.00
North Hillside Road Completion	8,200,000	1,500,000	6,700,000.00
North Superblock Site and Utilities	49,137,428	450,000	-
Parking Garage #3	69,965,961	106,034	-
Residential Life Facilities	182,939,499	38,393,495	18,117,722.01
Stamford Campus Improvements/Housing	10,670,616	9,170,616	1,500,000.00
Support Facility (Architectural and Engineering Services)	250,000	250,000	-
Torrey Renovation Completion and Biology Expansion	15,314,826	1,269,368	1,500,000.00
Torrington Campus Improvements	619,156	250,000	369,156.42
Waterbury Downtown Campus	1,899,783	1,420,846	478,937.00
Young Building Renovation/Addition	26,682,955	7,429,224	19,223,430.00
<u>Subtotal – Storrs and Regional Campuses</u>		<u>\$205,000,000</u>	

--<u>Health Center</u>			
CLAC Renovation Biosafety Level 3 Lab	\$16,835,000	\$5,810,000	11,025,000.00
Deferred Maintenance/Code/ADA Renovation Sum — Health Center	44,766,150	2,900,000	39,337,125.00
Equipment, Library Collections & Telecommunications — Health Center	68,295,850	4,125,000	56,295,725.00
Main Building Renovation	139,184,500	11,679,000	76,597,500.00
The University of Connecticut Health Center New Construction and Renovation	364,070,000	85,986,000	171,272,000.00
<u>Subtotal – Health Center</u>		<u>\$110,500,000</u>	
Total Fiscal Year 2014-2015 Bond Authorization		\$315,500,000	

*Reflects amendments to project names by Public Act No 02-3 of the May 2002 Special Session and by Public Act No 07-108 of the 2007 Session of the Connecticut General Assembly.

**Includes only Phase III General Obligation Debt Service Commitment amounts needed from 7/1/2005 forward

***Does not reflect borrowings under Phase I & II including \$50,000,000 of Phase II Project authorizations issued after 7/1/2005 pursuant to the Eleventh Supplemental Indenture.

⁽¹⁾ The Board of Trustees approved the Twentieth Supplemental Indenture on June 25, 2014.

⁽²⁾ The amounts presented herein may vary (1) by resolution of the Board of Trustees provided that such reallocation does not result in the expenditure of proceeds in excess of the total aggregate amount approved as set forth in this supplemental indenture, and (2) by up to 5% upon a written determination by the Executive Vice President for Administration and Chief Financial Officer, as an Authorized Officer pursuant to the Master Indenture as supplemented, including Section 805 thereof, provided any reallocation shall (i) not result in the expenditure of proceeds in excess of the total aggregate amount approved by the Board of Trustees for all projects as set forth in the Master Indenture as supplemented approving such total expenditures; (ii) shall not result in any adverse tax consequences to the University; (iii) be made only that the UCONN 2000 Projects affected by the reallocation can still be completed within the reallocated amounts, together with any other amounts allocated by the Board of Trustees in subsequent supplemental indentures; and (iv) be reported to the Board of Trustees at its next scheduled meeting.

ATTACHMENT 20



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Academic and Research Facilities – Main Accumulation Area
for Regulated Wastes (Revised Planning Budget: \$5,255,580)

RECOMMENDATION:

That the Board of Trustees approve the Revised Planning Budget in the amount of \$5,255,580 for the planning, design and construction of a Main Accumulation Area (MAA) for regulated wastes.

BACKGROUND:

The University's existing Main Accumulation Area (MAA) has been used since 1989 for short-term storage of regulated wastes that come from academic labs and support operations.

The MAA's location off Horsebarn Hill Road is within a public drinking water supply watershed and has been a long-standing public concern. The existing facility is composed of modular trailers and containers and is inefficient and insufficient for current and future use. The current facility comprises 4,200 square feet in permanent and four modular structures.

The new facility will be sized to adequately handle the (3) three types of waste that are generated, including biological, chemical, and low level radioactive. The diversity of waste dictates certain building design features that promote the safety of operation.

The University commissioned a design team to prepare the plans and specifications for the project. After a thorough discussion, it has been determined that the University's requirement is for approximately 8,200 square feet of space on two floors. The attached Project Budget is based

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on the consultants' scope of work and preliminary estimate. The University anticipates construction during calendar year 2015.

This Revised Planning Budget is attached for your consideration and approval.

Attachment

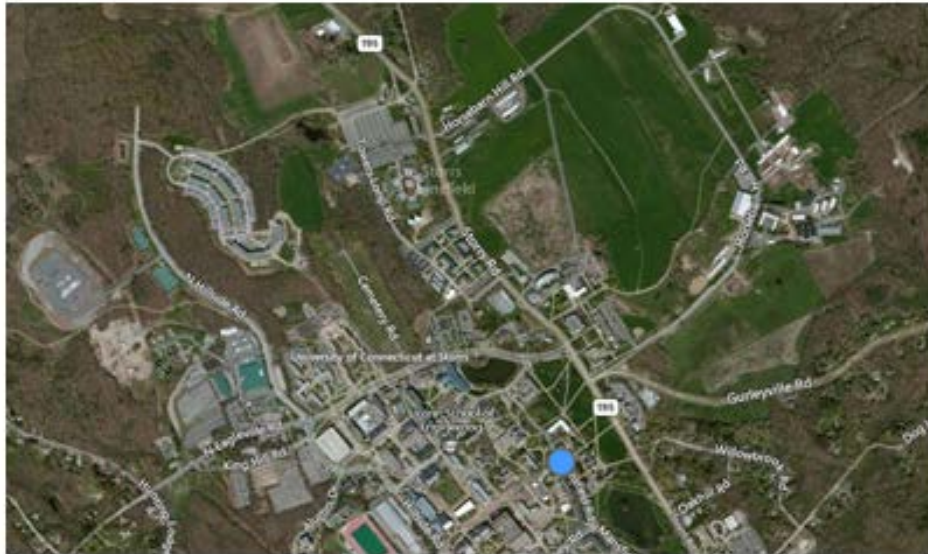
CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: REVISED PLANNING

PROJECT NAME: ACADEMIC AND RESEARCH FACILITIES - MAIN ACCUMULATION AREA FOR REGULATED WASTES

	APPROVED PLANNING 10/29/2013	PROPOSED REVISED PLANNING 6/25/2014
<u>BUDGETED EXPENDITURES</u>		
	EVPACFO	
CONSTRUCTION (including escalation)	\$ -	\$ 3,905,580
DESIGN SERVICES	84,805	475,000
TELECOMMUNICATIONS	-	25,000
FURNITURE, FIXTURES AND EQUIPMENT	-	54,000
CONSTRUCTION ADMINISTRATION	2,000	150,000
OTHER AE SERVICES (including Project Management)	3,500	140,000
ART	-	-
RELOCATION	-	10,000
ENVIRONMENTAL	-	-
INSURANCE AND LEGAL	5,000	10,000
MISCELLANEOUS	5,000	10,000
OTHER SOFT COSTS	-	-
SUBTOTAL	\$ 100,305	\$ 4,779,580
PROJECT CONTINGENCY	74,695	476,000
TOTAL BUDGETED EXPENDITURES	\$ 175,000	\$ 5,255,580
<u>SOURCE(S) OF FUNDING</u>		
UConn 2000 PHASE III	\$ 175,000	\$ 5,255,580
TOTAL BUDGETED FUNDING	\$ 175,000	\$ 5,255,580

ACADEMIC AND RESEARCH FACILITIES –
MAIN ACCUMULATION AREA FOR REGULATED WASTES
Project Budget (Revised Planning)
06/25/2014



PROPOSED LOCATION EXISTING LOCATION



ATTACHMENT 21



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Arjona and Monteith – Monteith Renovations
(Revised Planning: \$25,000,000)

RECOMMENDATION:

That the Board of Trustees approve the Revised Planning Budget in the amount of \$25,000,000 for the planning, design and construction of renovations to the Henry Ruthven Monteith Building and its attached auditorium known as Andre Schenker Lecture Hall.

BACKGROUND:

The Monteith Building (circa 1959) has provided faculty office and classroom space to various academic departments. The recent completion of Oak and Laurel Halls allowed the University to relocate the majority of the academic units from Monteith into new or renovated space. The buildings are currently vacant.

As a result of the planning for the implementation of the Next Generation Connecticut program, the University has realized the need for attractive and functional office and classroom space to utilize as swing space during the renovations of currently occupied buildings and for new faculty hires. A judicious investment in Monteith with a project occupancy timeframe of ten to fifteen years will provide the University with over 68,000 square feet of much needed academic space, and an additional 5,000 square feet in Schenker Lecture Hall.

Monteith lacks modern building mechanical systems, including electrical distribution and air conditioning for offices and classroom and requires repair of well-worn finishes. The scope includes the installation of new central air conditioning systems, improved electrical systems to support the air conditioning and other programmatic needs, installation of new floor coverings,

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lighting and ceilings and upgraded tele/data systems. The entire building interior will be painted to improve the aesthetics. Exterior windows will be caulked and weather stripped. ADA access, code deficiencies and an out-of-date fire detection system will also be addressed.

The University has commissioned an architect to execute the design. The University's goal is to complete the construction project and have the building ready for occupancy during summer 2016. The purpose of this Revised Planning Resolution is to clarify that the project budget and scope include the Andre Schenker Lecture Hall as well as the Monteith Building proper. There is no change to the attached budget.

This Revised Planning Budget is attached for your consideration and approval.

Attachment

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: REVISED PLANNING

PROJECT NAME: ARJONA AND MONTEITH - MONTEITH RENOVATIONS

	APPROVED PLANNING 12/7/2012	APPROVED REVISED PLANNING 2/26/2014	PROPOSED REVISED PLANNING 6/25/2014
<u>BUDGETED EXPENDITURES</u>			
	BY EVPACFO		
CONSTRUCTION	\$ -	\$ 16,600,000	\$ 16,600,000
DESIGN SERVICES	329,000	2,000,000	2,000,000
TELECOMMUNICATIONS	-	500,000	500,000
FURNITURE, FIXTURES AND EQUIPMENT	-	2,000,000	2,000,000
CONSTRUCTION ADMINISTRATION	-	500,000	500,000
OTHER AE SERVICES (including Project Management)	16,000	600,000	600,000
ART	-	-	-
RELOCATION	-	50,000	50,000
ENVIRONMENTAL	50,000	120,000	120,000
INSURANCE AND LEGAL	10,000	15,000	15,000
MISCELLANEOUS	-	115,000	115,000
OTHER SOFT COSTS	-	-	-
SUBTOTAL	\$ 405,000	\$ 22,500,000	\$ 22,500,000
PROJECT CONTINGENCY	45,000	2,500,000	2,500,000
TOTAL BUDGETED EXPENDITURES	\$ 450,000	\$ 25,000,000	\$ 25,000,000
<u>SOURCE(S) OF FUNDING</u>			
UConn 2000 PHASE III	\$ 450,000	\$ 25,000,000	\$ 25,000,000
TOTAL BUDGETED FUNDING	\$ 450,000	\$ 25,000,000	\$ 25,000,000

ARJONA AND MONTEITH – MONTEITH RENOVATIONS

Project Budget (Revised Planning)

6/25/2014



Interior View at Schenker Auditorium



Deteriorating roof slab between Schenker Hall and Monteith

ATTACHMENT 22



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Heating Plant Upgrade – Power System
(Revised Planning: \$2,500,000)

RECOMMENDATION:

That the Board of Trustees approve the Revised Planning Budget in the amount of \$2,500,000 for the planning, design and construction of an additional standby power generator at the Central Utility Plant (CUP).

BACKGROUND:

The Central Utility Plant (CUP) was constructed with the intent to supply emergency and standby power to newer science buildings. The CUP generation capacity is four (4) megawatts (MW) using three individual generators and there is one unused space left for a fourth unit. The purpose of this project is to design, purchase and install the fourth +/- 1.5 megawatt unit and modify the controls to allow for synchronous operation of all four units. This additional unit will be necessary to supply required emergency standby power for the new Engineering and Science building.

The University commissioned a design team to prepare the plans and specifications for the project. The attached Project Budget is based on the consultants' scope of work and preliminary estimate. The University anticipates installation during late 2015 due to the long lead time for the generator.

This Revised Planning Budget is attached for your consideration and approval.

Attachment

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CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: REVISED PLANNING

PROJECT NAME: HEATING PLANT UPGRADE - EMERGENCY POWER SYSTEM UPGRADE

	APPROVED PLANNING 9/2/2011	PROPOSED REVISED PLANNING 6/25/2014
<u>BUDGETED EXPENDITURES</u>	<u>BY EVPACFO</u>	
CONSTRUCTION	\$ -	\$ 1,500,000
DESIGN SERVICES	55,000	125,000
TELECOMMUNICATIONS	-	-
FURNITURE, FIXTURES AND EQUIPMENT	-	-
CONSTRUCTION ADMINISTRATION	-	125,000
OTHER AE SERVICES (including Project Management)	5,000	75,000
ART	-	-
RELOCATION	-	-
ENVIRONMENTAL	-	20,000
INSURANCE AND LEGAL	-	10,000
MISCELLANEOUS	-	20,000
OTHER SOFT COSTS	5,000	20,000
SUBTOTAL	\$ 65,000	\$ 1,895,000
PROJECT CONTINGENCY	70,000	605,000
TOTAL BUDGETED EXPENDITURES	<u>\$ 135,000</u>	<u>\$ 2,500,000</u>
<u>SOURCE(S) OF FUNDING</u>		
UCONN 2000 PHASE III	\$ 135,000	\$ 2,500,000
TOTAL BUDGETED FUNDING	<u>\$ 135,000</u>	<u>\$ 2,500,000</u>

HEATING PLANT UPGRADE - POWER SYSTEM
Project Budget (Revised Planning)
06/25/2014



Central Utility Plant (CUP)

ATTACHMENT 23



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost & Executive Vice President for Academic Affairs

RE: Project Budget for Heating Plant Upgrade – Upgrade Chilled Water System
(Design: \$7,000,000)

RECOMMENDATION:

That the Board of Trustees approve the Design Budget in the amount of \$7,000,000 for the planning, design and construction of an additional chilled water generator at the Central Utility Plant (CUP).

BACKGROUND:

The University CUP produces 8,000 tons of chilled water for twenty buildings across campus. The original CUP building was constructed with available space for one additional chiller. The purpose of this project is to install a new 2,000 ton chiller and associated equipment bringing the total generation capacity to 10,000 tons.

The increased capacity will allow new and existing buildings to be added to the system. The first of these building will be the new Engineering and Science Building. The remaining capacity will be used for existing or new construction as the Next Generation Master Plan is developed.

This project does not expand the distribution network. The budget for each new connection (building) will be funded by individual projects.

The University commissioned a design team to prepare the plans and specifications for the project. The attached Project Budget is based on the consultants' scope of work and construction estimate. The increase from the Revised Planning Budget to the current Design

Budget is based on additional control work for the existing installed equipment. This will increase efficiency and controllability of the plant as a whole. The project is currently in the procurement process. The University anticipates an award during August 2014 with installation during the summer of 2015.

This Design Budget is attached for your consideration and approval.

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: DESIGN

PROJECT NAME: HEATING PLANT UPGRADE - UPGRADE CHILLED WATER SYSTEM

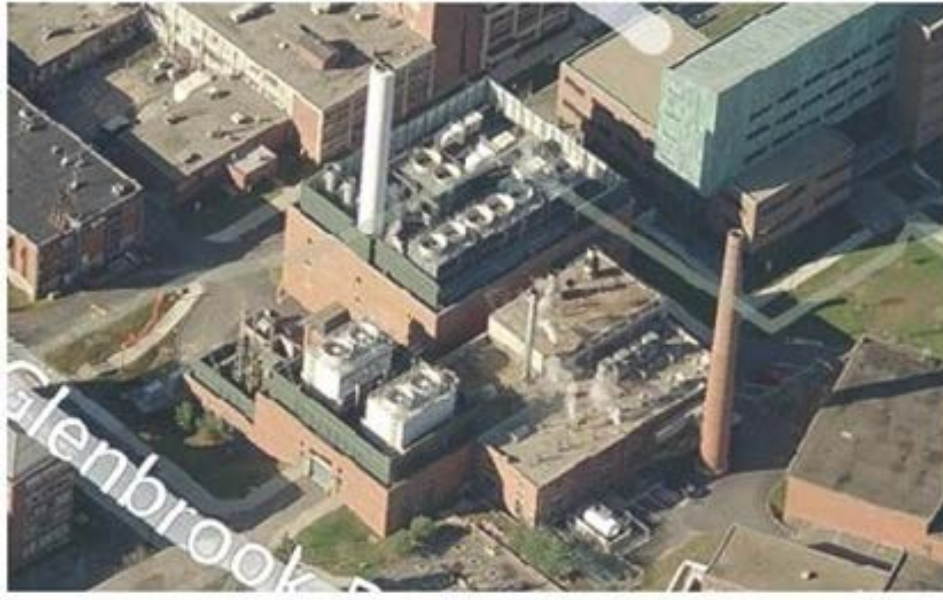
	APPROVED PLANNING 9/2/2011	APPROVED REVISED PLANNING 11/13/2013	PROPOSED DESIGN 6/25/2014
<u>BUDGETED EXPENDITURES</u>			
	BY EVPACFO		
CONSTRUCTION	\$ 152,125	\$ 4,500,000	\$ 5,400,000
DESIGN SERVICES	240,000	300,000	290,000
TELECOMMUNICATIONS	-	-	-
FURNITURE, FIXTURES AND EQUIPMENT	-	-	5,000
CONSTRUCTION ADMINISTRATION	-	100,000	200,000
OTHER AE SERVICES (including Project Management)	7,875	50,000	175,500
ART	-	-	-
RELOCATION	-	-	-
ENVIRONMENTAL	-	10,000	25,000
INSURANCE AND LEGAL	-	10,000	1,000
MISCELLANEOUS	-	150,000	103,500
OTHER SOFT COSTS	-	80,000	-
SUBTOTAL	\$ 400,000	\$ 5,200,000	\$ 6,200,000
PROJECT CONTINGENCY	50,000	800,000	800,000
TOTAL BUDGETED EXPENDITURES	\$ 450,000	\$ 6,000,000	\$ 7,000,000
<u>SOURCE(S) OF FUNDING</u>			
UConn 2000 PHASE III	\$ 450,000	\$ 6,000,000	\$ 7,000,000
TOTAL BUDGETED FUNDING	\$ 450,000	\$ 6,000,000	\$ 7,000,000

HEATING PLANT UPGRADE - UPGRADE CHILLED WATER SYSTEM

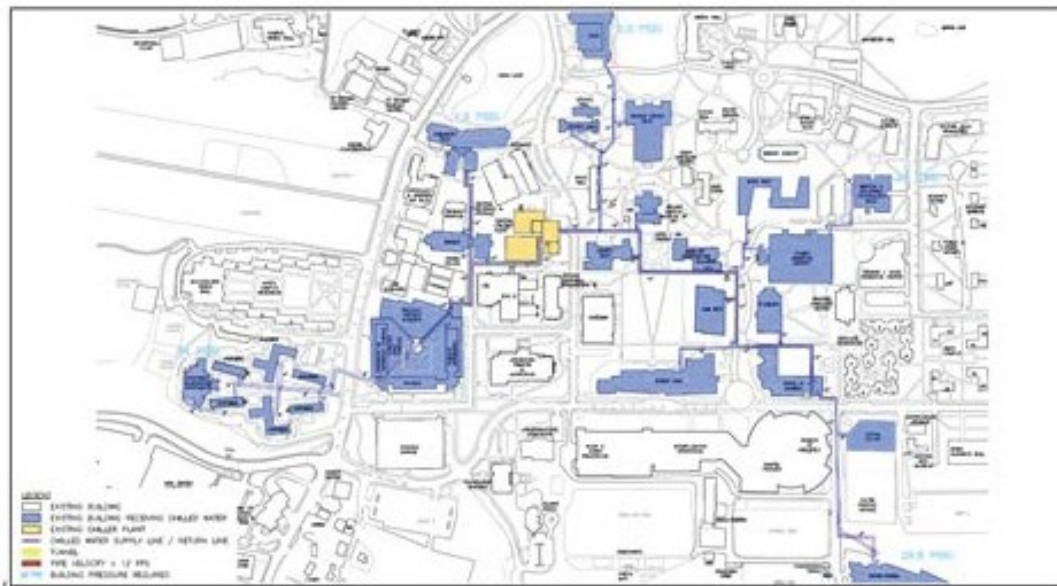
Project Budget (Design)

06/25/2014

Central Utility Plant (CUP)



Existing Distribution System



ATTACHMENT 24



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Fats, Oils and Grease (FOG) Compliance – Phase I
(Final Budget: \$2,000,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget in the amount of \$2,000,000 for the planning, design and construction for Fats, Oils and Grease (FOG) Compliance.

BACKGROUND:

The University food service operations discharge kitchen waters into the publicly owned sewage treatment facilities. The State of Connecticut Department of Public Health regulations require these facilities to pretreat the discharge to reduce or eliminate the amount of Fats, Oils and Greases that go into the Sewage Treatment Plant. The purpose of this project is to install pretreatment devices in five (5) of the food service operations that do not currently have pretreatment equipment. This project will bring the five (5) into compliance. The food service operations that are included in this project are: Commissary Warehouse, North Campus Dining Hall, Whitney Dining Hall, the Dairy Bar and Buckley Dining Hall. The scope of work for the first four buildings is entirely interior work. The fifth location (Buckley Dining Hall) includes extensive exterior site work. Because of the diversity of work, the University has determined that Buckley Dining Hall should be procured separately.

There are seven remaining campus food service operations not in this project. Six (6) of these have pretreatment installations that require design improvements. The improvement to these will be accomplished in a follow up project. The remaining non-treated unit (Putnam Refectory) will be completed as part of an on-going renovation project.

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The University commissioned a design firm to prepare project plans and specifications for this project. The project design is now complete.

The Final Budget is based on project estimates. The project will be submitted for competitive bidding in June 2014 with construction starting immediately after that process is complete. The University will notify the Board should competitive bidding result in a greater project cost.

This Final Budget is attached for your consideration and approval.

Attachment

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: FINAL

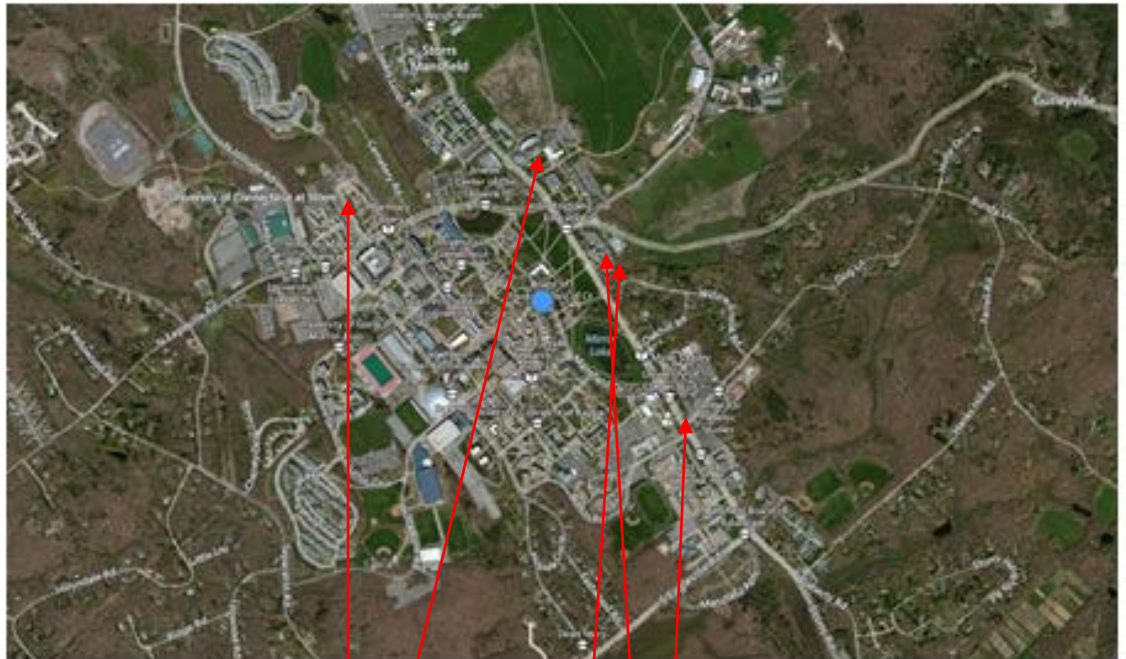
PROJECT NAME: FATS, OIL AND GREASE (FOG) COMPLIANCE - PHASE I

	APPROVED PLANNING 9/26/2013	APPROVED DESIGN 4/23/2014	PROPOSED FINAL 6/25/2014
<u>BUDGETED EXPENDITURES</u>			
	SARCC		
CONSTRUCTION	\$ -	\$ 1,260,000	\$ 1,250,000
DESIGN SERVICES	395,000	243,000	168,000
TELECOMMUNICATIONS	-	-	-
FURNITURE, FIXTURES AND EQUIPMENT	-	-	-
CONSTRUCTION ADMINISTRATION	-	-	125,000
OTHER AE SERVICES (including Project Management)	5,000	50,000	40,000
ART	-	-	-
RELOCATION	-	-	-
ENVIRONMENTAL	-	10,000	5,000
INSURANCE AND LEGAL	5,000	15,000	5,000
MISCELLANEOUS	-	75,000	7,000
OTHER SOFT COSTS	-	-	-
SUBTOTAL	\$ 405,000	\$ 1,653,000	\$ 1,600,000
PROJECT CONTINGENCY	35,000	347,000	400,000
TOTAL BUDGETED EXPENDITURES	\$ 440,000	\$ 2,000,000	\$ 2,000,000
<u>SOURCE(S) OF FUNDING</u>			
DEPARTMENTAL FUNDS-DINING SERVICES	\$ 440,000	\$ 2,000,000	\$ 2,000,000
TOTAL BUDGETED FUNDING	\$ 440,000	\$ 2,000,000	\$ 2,000,000

FATS, OILS AND GREASE (FOG) COMPLIANCE – PHASE I

Project Budget (Final Budget)

6/25/2014



NORTH CAMPUS
DINING HALL



COMMISSARY
WAREHOUSE
AND WHITNEY
DINING HALL



DAIRY BAR



BUCKLEY
DINING HALL



ATTACHMENT 25



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for fMRI – Acquisition and Installation
(Final Budget: \$7,893,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget in the amount of \$7,893,000 for the acquisition of the fMRI (Functional Magnetic Resonance Imaging) equipment; as well as the installation to include planning, design, and construction of space to house the equipment at the University of Connecticut.

BACKGROUND:

UConn has a growing faculty base that uses Functional Magnetic Resonance Imaging (fMRI) equipment in research. The UConn faculty do not have access to a Storrs-based unit and expend grant funding to purchase time at fMRI centers at other institutions. The purpose of this project is to develop fMRI capability for human subjects at the University of Connecticut.

New collaborations and new external funding opportunities may be available if an fMRI Center is located on the UConn campus, convenient to the UConn faculty. In addition, such a center would enhance recruitment of faculty and graduate students. The continuing evolution of fMRI technology and methods creates research opportunities for physicists, engineers, computer scientists, and statisticians in other departments and from other institutions.

The University has commissioned a design team to prepare plans and specifications for a new fMRI suite in the Philips Communication Sciences Building. The project is on schedule and on budget. The design will be completed during June 2014 and will be submitted for competitive bidding at that time. The Final Budget is based on the project estimates. The University will notify the Board should competitive bidding result in a greater project cost.

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PHONE 860.486.3455
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CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: FINAL

PROJECT NAME: FMRI-ACQUISITION AND INSTALLATION

	APPROVED PLANNING 10/23/2013	APPROVED DESIGN 4/23/2014	PROPOSED FINAL 6/25/2014
<u>BUDGETED EXPENDITURES</u>			
CONSTRUCTION	\$ 3,500,000	\$ 3,564,000	\$ 3,575,000
DESIGN SERVICES	350,000	370,000	405,000
TELECOMMUNICATIONS	35,000	40,000	35,000
FURNITURE, FIXTURES AND EQUIPMENT*	3,225,000	3,161,000	3,118,000
CONSTRUCTION ADMINISTRATION	90,000	90,000	90,000
OTHER AE SERVICES (including Project Management)	150,000	170,000	170,000
ART	-	-	-
RELOCATION	10,000	5,000	5,000
ENVIRONMENTAL	60,000	15,000	22,000
INSURANCE AND LEGAL	10,000	10,000	10,000
MISCELLANEOUS	20,000	25,000	20,000
OTHER SOFT COSTS	-	-	-
SUBTOTAL	\$ 7,450,000	\$ 7,450,000	\$ 7,450,000
PROJECT CONTINGENCY	550,000	550,000	443,000
TOTAL BUDGETED EXPENDITURES	\$ 8,000,000	\$ 8,000,000	\$ 7,893,000
<u>SOURCE(S) OF FUNDING</u>			
UConn 2000 PHASE III - FY14 DM	\$ 4,700,000	\$ 4,700,000	\$ 4,700,000
UConn 2000 EQUIPMENT*	3,225,000	3,225,000	3,118,000
UNIVERSITY PLANT FUNDS	75,000	75,000	75,000
TOTAL BUDGETED FUNDING	\$ 8,000,000	\$ 8,000,000	\$ 7,893,000

* The Equipment will be purchased outside of the project budget process and in accordance with standard UConn procurement policies and procedures

fMRI – ACQUISITION AND INSTALLATION

Project Budget (Final)

6/25/2014

Exterior Improvements – Equipment Screens and Glazing Systems



Exterior Improvements – Equipment Rooms and Screens



ATTACHMENT 26



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Main Water Line Replacement – Phase I
(Final Budget: \$7,000,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget in the amount of \$7,000,000 for the planning, design and construction of a replacement Main Water Line.

BACKGROUND:

The University produces, treats and distributes water for the Storrs campus and associated users. The primary source of water is a well field located adjacent to the Willimantic River, at the Spring Manor Farm. This water is transmitted to the Storrs campus through a single four mile, 16" cast iron water line installed during the 1970's. There have been at least three (3) instances of line failure during the past four (4) years, and the University commissioned a firm to investigate the cause of failures and predict the vulnerability of this mission critical resource. The firm concluded that the poor condition is a result of corrosive soil conditions along almost the entire four (4) mile route that the pipe takes from the Willimantic River to the campus and that, unless corrected; the line would continue to fail.

The University proposes to replace this line in a two phase project. The first phase is the replacement of approximately 13,300 linear feet of the line from the treatment plant at the well field to Hunting Lodge Road.

The University consultants recommended replacing the line with a new sixteen (16) inch cast iron line, properly protected to withstand the corrosive environment. The University commissioned a design firm to prepare project plans and specifications for this project which are now complete.

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The Final Budget is based on the project estimates. The project will be submitted for competitive bidding in June 2014 with construction starting immediately after that process is complete. The University will notify the Board should competitive bidding result in a greater project cost.

This Final Budget is attached for your consideration and approval.

Attachment

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: FINAL

PROJECT NAME: MAIN WATER SUPPLY LINE REPLACEMENT - PHASE I

	APPROVED PLANNING 6/23/2011	APPROVED REVISED PLANNING 2/26/2014	APPROVED DESIGN 4/23/2014	PROPOSED FINAL 6/25/2014
<u>BUDGETED EXPENDITURES</u>				
BOT DM LIST				
CONSTRUCTION	\$ -	\$ 4,860,000	\$ 5,200,000	\$ 5,200,000
DESIGN SERVICES	395,000	440,000	440,000	440,000
TELECOMMUNICATIONS	-	-	-	-
FURNITURE, FIXTURES AND EQUIPMENT	-	-	-	-
CONSTRUCTION ADMINISTRATION	-	-	-	-
OTHER AE SERVICES (including Project Management)	5,000	215,000	215,000	215,000
ART	-	-	-	-
RELOCATION	-	-	-	-
ENVIRONMENTAL	-	80,000	80,000	80,000
INSURANCE AND LEGAL	5,000	15,000	15,000	15,000
MISCELLANEOUS	-	115,000	50,000	50,000
OTHER SOFT COSTS	-	-	-	-
SUBTOTAL	\$ 405,000	\$ 5,725,000	\$ 6,000,000	\$ 6,000,000
PROJECT CONTINGENCY	45,000	1,275,000	1,000,000	1,000,000
TOTAL BUDGETED EXPENDITURES	\$ 450,000	\$ 7,000,000	\$ 7,000,000	\$ 7,000,000
<u>SOURCE(S) OF FUNDING</u>				
UConn 2000 PHASE III - FY05 DM	\$ 50,000	\$ 69,857	\$ 69,857	\$ 69,857
UConn 2000 PHASE III - FY12 DM	400,000	6,360,048	6,360,048	6,360,048
UConn 2000 PHASE III - FY15 DM		570,095	570,095	570,095
TOTAL BUDGETED FUNDING	\$ 450,000	\$ 7,000,000	\$ 7,000,000	\$ 7,000,000

ATTACHMENT 27



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Operating Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for OSFM Code Remediation: Babbidge Library Emergency Lights
(Final Budget \$4,000,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget of \$4,000,000 for upgrading the emergency lighting system in the Homer Babbidge Library.

BACKGROUND:

Homer Babbidge Library is the main campus library located on the Storrs campus. A recent inspection by the Office of the State Fire Marshal (OSFM) concluded that the existing emergency lighting system was not in compliance with the Connecticut State Fire Safety Code and OSFM issued a corrective order to remediate the condition.

In the interim, to ensure that the building could be safely occupied, the University collaborated with OSFM to design and install an interim system acceptable to OSFM in advance of the permanent corrective action. This interim upgrade was started on December 16, 2013 and completed on January 27, 2014. The design and construction was undertaken at a cost of \$272,000.

The University solicited a design firm to undertake an evaluation of the emergency lighting system and to prepare a design for the required upgrades. During the course of the evaluation it was also discovered that the existing on-site emergency generator was unreliable and in need of replacement. As a result, the building will be connected to the Central Utility Plant emergency generator and the existing generator will be disconnected and removed from service.

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The project design has been reviewed by the University Office of Fire Marshal and Building Inspector and OSFM and a Building Permit issued on May 21, 2014. The University is currently soliciting competitive bids from prequalified electrical contractors and anticipates construction to begin in July 2014 once approved by the Board of Trustees. Construction duration of approximately six months is anticipated.

Due to unforeseeable constraints placed on project timing, and the public safety nature of the work, the University also requests that the three stage budget approval process be waived at this time and intends to execute a construction contract upon receipt and evaluation of bids provided that the bids are within the requested budget.

This Final Budget is attached for your consideration and approval.

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: FINAL

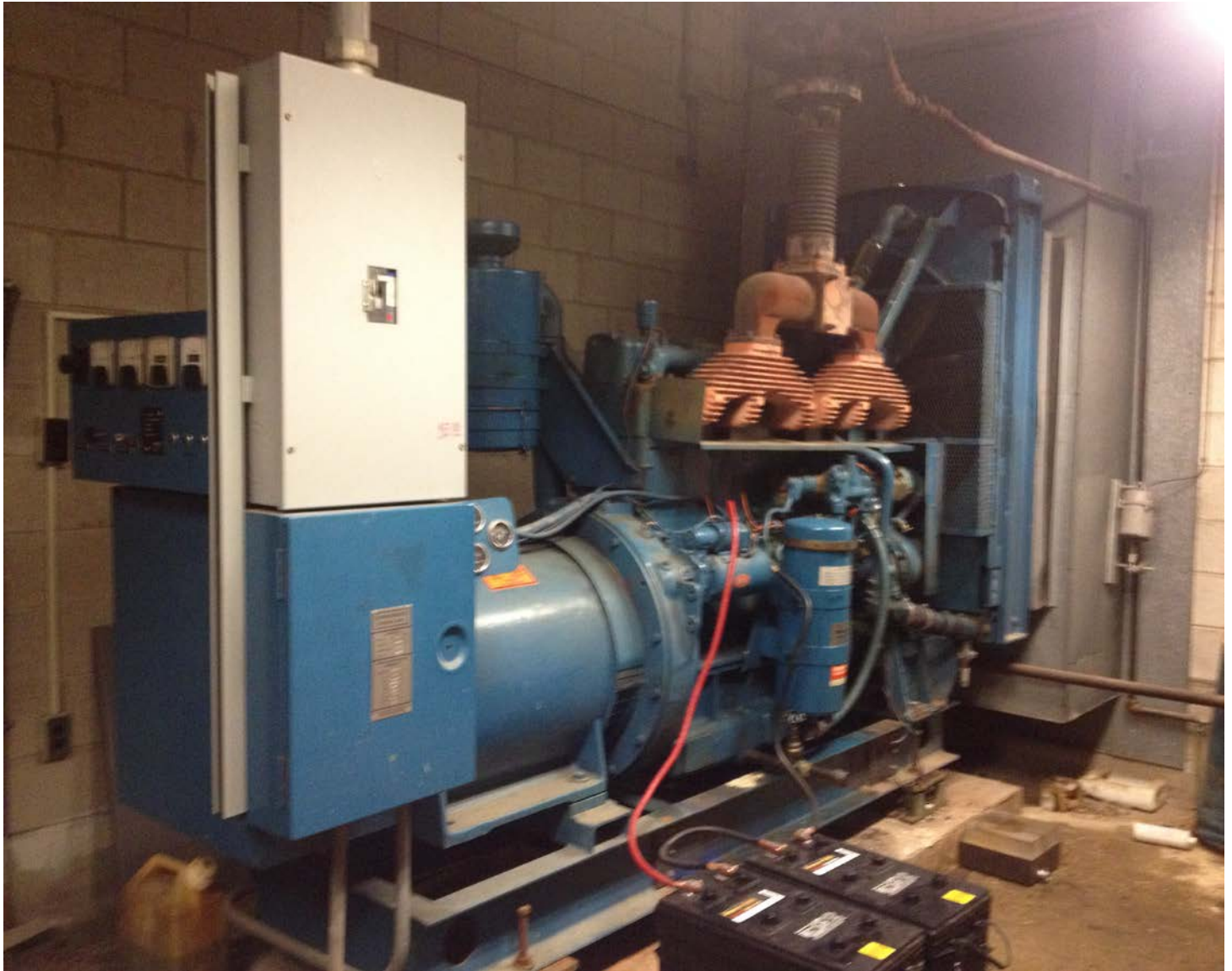
**PROJECT NAME: OSFM CODE REMEDIATION: BABBIDGE LIBRARY
EMERGENCY LIGHTS**

<u>BUDGETED EXPENDITURES</u>	PROPOSED FINAL 6/25/2014
CONSTRUCTION	\$ 3,250,000
DESIGN SERVICES	63,000
TELECOMMUNICATIONS	10,000
FURNITURE, FIXTURES AND EQUIPMENT	-
CONSTRUCTION ADMINISTRATION	150,000
OTHER AE SERVICES (including Project Management)	110,000
ART	-
RELOCATION	-
ENVIRONMENTAL	-
INSURANCE AND LEGAL	2,500
MISCELLANEOUS	14,500
OTHER SOFT COSTS	-
SUBTOTAL	\$ 3,600,000
PROJECT CONTINGENCY	400,000
TOTAL BUDGETED EXPENDITURES	\$ 4,000,000
<u>SOURCE(S) OF FUNDING</u>	
UConn 2000 PHASE III-FY09 DM	\$ 51,952
UConn 2000 PHASE III-FY12 DM	272,000
UConn 2000 PHASE III-FY14 DM	625,000
UConn 2000 PHASE III-FY15 DM	3,051,048
TOTAL BUDGETED FUNDING	\$ 4,000,000

OFSM CODE REMEDIATION BABBIDGE LIBRARY EMERGENCY LIGHTING UPGRADE

Project Budget (Final)

6/25/2014



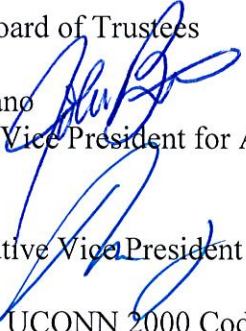
On Site Emergency Generator


ATTACHMENT 28



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano 
Interim Executive Vice President for Administration and Chief Operating Officer

Mun Y. Choi 
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for UCONN 2000 Code Remediation: Alumni Quad
(Final Budget: \$766,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget in the amount of \$766,000 for the remediation of code discrepancies at the Alumni Quad Residential Complex.

BACKGROUND:

The University Office of Fire Marshal and Building Inspector, following plan review and field inspection of the UCONN 2000 Alumni Quad project, cited code discrepancies relating to the original construction project. The University has corrected a majority of the cited discrepancies through negotiated in kind services from the original project architect and original contractor where discrepancies were determined to be attributable to the original design professional or contractor. The University has also corrected other discrepancies, not attributable to the original design professional or contractor at the University's cost. This Project Budget request will result in the completion of the remaining discrepancies.

Construction documents have been completed and competitive bidding is in progress with bids anticipated to be received by the end of June 2014. Construction is scheduled to begin in mid-July 2014 and will be completed in January of 2015. The Final Budget was developed incorporating professional estimates of construction based on the completed construction documents.

Due to unforeseeable constraints placed on project timing, and the public safety nature of the work, the University also requests that the three stage budget approval process be waived at this time and intends to proceed with construction provided bids are within the approved budget.

The Final Budget is attached for your consideration and approval.

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CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: FINAL

PROJECT NAME: UCONN 2000 CODE REMEDIATION: ALUMNI QUAD

<u>BUDGETED EXPENDITURES</u>	PROPOSED FINAL 6/25/2014
CONSTRUCTION	\$ 469,000
DESIGN SERVICES	10,000
TELECOMMUNICATIONS	-
FURNITURE, FIXTURES AND EQUIPMENT	100
CONSTRUCTION ADMINISTRATION	-
OTHER AE SERVICES (including Project Management)	151,000
ART	-
RELOCATION	-
ENVIRONMENTAL	-
INSURANCE AND LEGAL	20,000
MISCELLANEOUS	45,900
OTHER SOFT COSTS	-
SUBTOTAL	\$ 696,000
PROJECT CONTINGENCY	70,000
TOTAL BUDGETED EXPENDITURES	\$ 766,000
<u>SOURCE(S) OF FUNDING</u>	
UNIVERSITY OPERATING FUNDS	\$ 766,000
TOTAL BUDGETED FUNDING	\$ 766,000

ATTACHMENT 29



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Operating Officer

Mun Y. Choi
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for UCONN 2000 Code Remediation: Starr Hall
(Final Budget: \$612,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget in the amount of \$612,000 for the remediation of code discrepancies at Starr Hall on the UConn School of Law campus in Hartford.

BACKGROUND:

The University Office of Fire Marshal and Building Inspector, following a plan review and field inspection of the UCONN 2000 Starr Hall Renovations project, cited code discrepancies relating to the original project. The University has corrected a majority of the cited discrepancies through negotiated in kind services from the original project architect and original contractor where discrepancies were determined to be attributable to the original design professional or contractor. The University has also corrected other discrepancies, not attributable to the original design professional or contractor, at its cost. This Project Budget will result in the completion of the remaining discrepancies.

The original budget developed to complete the project was \$400,000. However, during the course of construction latent conditions were encountered which will result in the project costs increasing to \$612,000.

The project is already in construction and the work needs to be completed during the summer recess. Due to unforeseeable constraints placed on project timing, and the public safety nature of the work, the University also requests that the three stage budget approval process be waived at this time.

This Final Budget is attached for your consideration and approval.

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CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: FINAL

PROJECT NAME: UCONN 2000 CODE REMEDIATION: STARR HALL

<u>BUDGETED EXPENDITURES</u>	PROPOSED FINAL 6/25/2014
CONSTRUCTION	\$ 359,000
DESIGN SERVICES	38,000
TELECOMMUNICATIONS	-
FURNITURE, FIXTURES AND EQUIPMENT	1,776
CONSTRUCTION ADMINISTRATION	10,000
OTHER AE SERVICES (including Project Management)	139,000
ART	-
RELOCATION	-
ENVIRONMENTAL	20,000
INSURANCE AND LEGAL	13,683
MISCELLANEOUS	541
OTHER SOFT COSTS	-
SUBTOTAL	\$ 582,000
PROJECT CONTINGENCY	30,000
TOTAL BUDGETED EXPENDITURES	\$ 612,000
<u>SOURCE(S) OF FUNDING</u>	
UNIVERSITY OPERATING FUNDS	\$ 612,000
TOTAL BUDGETED FUNDING	\$ 612,000

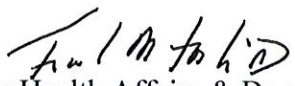
ATTACHMENT 30


UConn

HEALTH CENTER

June 25, 2014

TO: Members of the Board of Trustees

FROM: Frank M. Torti, MD, MPH 
Executive Vice President for Health Affairs & Dean, School of Medicine

John M. Biancamano 
Interim Executive Vice President for Administration and Chief Financial Officer

RE: Project Budget for the UConn Health (UCH) Research Tower – Incubator Lab
Addition to the Cell and Genome Sciences Building (CGSB) (Design: \$19,400,000)

RECOMMENDATION:

That the Board of Trustees approve the Design Budget in the amount of \$19,400,000 for the UCH Addition to the Cell and Genome Sciences Building (CGSB).

BACKGROUND:

As part of the Bioscience Connecticut initiative UCHC will build 28,000 gross square feet (gsf) of research incubator lab space. A Planning Budget for this project was approved by you in September 2012 based upon initial conceptual planning. The initial planning called for creating the incubator labs in two locations; renovated space in the UCHC Main Lab building and a newly constructed addition to the CGSB.

As the planning effort began, a reassessment of the space implications for the proposed split location of the labs was completed. It was determined that it would be beneficial to build all of the 28,000 GSF as an addition to the CGSB, resulting in a larger quantity of UCHC research space available in the Main Building.

The addition to the CGSB will be constructed in the northwest corner of the existing structure, adjacent to the building's existing incubator lab space. The labs will be similar to the existing CGSB incubator labs, providing a variety of sizes for startup companies to lease.

The design includes provisions for a Data Center disaster recovery (DR) room to be built in the penthouse space of the existing building. Funding for the construction of the DR room is not

included in the proposed budget. The work will be bid as an “alternate” with separate pricing and the award of the work will require a funding source and approval of a Revised Final budget.

The addition will incorporate best practices for sustainability and will achieve a minimum of LEED Silver certification.

The Design Budget is attached for your consideration. The Design Budget reflects the estimates prepared by the design team. The Design Budget is anticipated to be approved by the Board of Directors Finance Committee and the UCH Board of Directors at their meetings on June 18, 2014.

Attachment

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: DESIGN

PROJECT NAME: UCH RESEARCH TOWER: INCUBATOR LAB ADDITION TO THE CELL & GENOME SCIENCES BUILDING

	APPROVED PLANNING 9/27/2012	APPROVED REVISED PLANNING 12/12/2012	PROPOSED DESIGN 6/25/2014
<u>BUDGETED EXPENDITURES</u>			
CONSTRUCTION	\$ 7,863,000	\$ 14,020,000	\$ 14,598,000
DESIGN SERVICES	1,043,000	1,380,000	1,490,000
TELECOMMUNICATIONS	286,000	780,000	252,000
FURNITURE, FIXTURES AND EQUIPMENT	400,000	800,000	225,000
CONSTRUCTION ADMINISTRATION	-	-	250,000
OTHER AE SERVICES (including Project Management)	483,000	575,000	475,000
ART	-	-	-
RELOCATION	-	-	-
ENVIRONMENTAL	-	-	20,000
INSURANCE AND LEGAL	50,000	50,000	240,000
MISCELLANEOUS	30,000	30,000	85,000
SUBTOTAL	\$ 10,155,000	\$ 17,635,000	\$ 17,635,000
PROJECT CONTINGENCY	1,015,000	1,765,000	1,765,000
TOTAL BUDGETED EXPENDITURES	\$ 11,170,000	\$ 19,400,000	\$ 19,400,000
<u>SOURCE(S) OF FUNDING</u>			
UCONN 2000 PHASE III	\$ 11,170,000	\$ 19,400,000	\$ 19,400,000
TOTAL BUDGETED FUNDING	\$ 11,170,000	\$ 19,400,000	\$ 19,400,000

UCH RESEARCH TOWER – INCUBATION LAB ADDITION
TO THE CELL AND GENOME SCIENCES BUILDING (CGSB)
Project Budget (Design)
06/25/2014



Site Plan – Area of Addition



View of New Entry to Addition

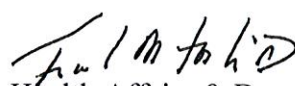
ATTACHMENT 31

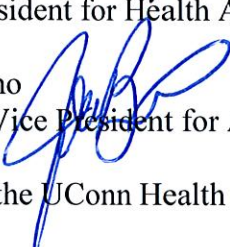
UConn

HEALTH CENTER

June 25, 2014

TO: Members of the Board of Trustees

FROM: Frank M. Torti, MD, MPH 
Executive Vice President for Health Affairs & Dean, School of Medicine

John M. Biancamano 
Interim Executive Vice President for Administration and Chief Financial Officer

RE: Project Budget for the UConn Health (UCH) 195 Farmington Avenue Renovation
(Final: \$3,600,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget in the amount of \$3,600,000 for the UConn Health (UCH) 195 Farmington Avenue Renovations.

BACKGROUND:

UCH purchased a 44,000 square foot office building located at 195 Farmington Avenue in January 2013. As part of the due diligence for the property purchase a Facilities Conditions Assessment (FCA) was completed by consulting engineers. The FCA identified building conditions that UCH would need to address including deferred maintenance items related to the building mechanical systems. Additionally program related renovations were known to be required as UCH moved departments into the building, however the scope of the renovations would require more definition during the planning phase of the project.

In September 2013, UCH requested and the Board approved a planning budget in the amount of \$1,000,000 to allow the planning of the project to begin. The \$1,000,000 budget was limited by the funds available for the project in FY 14.

During the planning phase the scope of the project was more clearly defined. The primary objectives were defined as:

1. Collocate programs in the building that have a public health related missions, especially programs from the Dowling North and Dowling South buildings (buildings that will be demolished in 2015) and East Hartford
2. Replace aged mechanical systems including the roof top air handling units
3. Install new Fire Alarm system compatible with the UCH campus system
4. Upgrade IT systems to support the new occupants and the anticipated data intensive work

The majority of the programs in the building will be relocated from the Dowling North and Dowling South buildings which are slated for demolition in early 2015 per the ground lease agreement with Jackson Laboratories under the Bioscience Connecticut initiative. The renovations of 195 Farmington Avenue must be completed by January 2015 to allow the Dowling Buildings to be vacated and the demolition to occur on schedule.

The Planning phase is now complete and based up on the scope of work identified during the planning process the budget is now \$3,600,000. The additional funding for the project will be allocated as part of the FY 15 Capital Budget.

In order to meet the January 2015 occupancy date we are requesting a waiver to the normal "three stage" budget approval process, moving this project from Planning to Final Budget approval

The Final Budget is attached for your consideration and approval. This Design Budget is anticipated to be approved by the Board of Directors Finance Committee and the UCH Board of Directors at their meetings on June 18, 2014.

Attachment

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: PLANNING

PROJECT NAME: UCH 195 FARMINGTON AVENUE RENOVATION

	APPROVED PLANNING 9/25/2013	PROPOSED FINAL 6/25/2014
<u>BUDGETED EXPENDITURES</u>		
CONSTRUCTION	\$ 600,000	\$ 2,378,000
DESIGN SERVICES	79,000	235,000
TELECOMMUNICATIONS	100,000	87,000
FURNITURE, FIXTURES AND EQUIPMENT	80,000	447,000
CONSTRUCTION ADMINISTRATION	-	-
OTHER AE SERVICES (including Project Management)	10,000	15,000
ART	-	-
RELOCATION	20,000	43,000
ENVIRONMENTAL	-	30,000
INSURANCE AND LEGAL	5,000	5,000
MISCELLANEOUS	15,000	33,000
OTHER SOFT COSTS	-	-
SUBTOTAL	\$ 909,000	\$ 3,273,000
PROJECT CONTINGENCY	91,000	327,000
TOTAL BUDGETED EXPENDITURES	<u>\$ 1,000,000</u>	<u>\$ 3,600,000</u>
<u>SOURCE(S) OF FUNDING</u>		
UCONN 2000 PHASE III - FY14 DM	\$ 500,000	\$ 500,000
UCONN 2000 PHASE III - FY15 DM (BIOSCIENCE START-UP)	-	1,300,000
UCH CAPITAL	500,000	500,000
UCH RESEARCH USE ALLOWANCE	-	1,300,000
TOTAL BUDGETED FUNDING	<u>\$ 1,000,000</u>	<u>\$ 3,600,000</u>

UCH 195 FARMINGTON AVENUE RELOCATION
Project Budget (Final)
06/25/2014

PARTIAL VIEW OF 195 FARMINGTON AVE BUILDING



ATTACHMENT 32



TO: Members of the Board of Trustees

FROM: Josh Newton, President & CEO, UConn Foundation

DATE: June 25, 2014

RE: UConn Foundation Report

The UConn Foundation will finish booking FY '14 gifts by mid-July and will provide a complete fundraising report for FY '14 to the Board of Trustees in August.

Fundraising continues to gain momentum, due in large part to several important operational activities. The following core principles are a guide for strengthening Foundation performance, and they have been shared with the Foundation Board of Directors and Staff as the backdrop for a major staff reorganization six months ago. In total, 15 staff members were reassigned to new jobs, 6 positions were eliminated, 24 positions modified, and 18 positions had a title or reporting change. It should be noted that while the changes were significant, they did not represent any additional headcount. This activity was a necessary first step to realign the Foundation staff in support of a more ambitious fundraising platform.

1. Increasing donor engagement
 - a. Implemented small dinners to thank donors
 - b. Conducted regional alumni events in California, Florida, New York and D.C.
 - c. Increased the number of strategic personal visits
2. Aligning fundraising with University priorities
 - a. Academic Plan – Prioritization of funding priorities for the University
3. Performance and Accountability
 - a. New strategic engagement goals and visit metrics
 - b. Caseload assessment
 - c. Integration of prospect screening data
4. Enhancing external relations and communications
 - a. Created a new position and in the process of recruiting an AVP for External Relations and Communications

Clearly, a great deal of time has been spent over the past eight months looking inward, doing a full analysis of the staff, resources, and potential of the Foundation.

We could not be more excited by the progress we have made in such a short period of time, and enter the new fiscal year with a great deal of optimism about the future of the UConn Foundation and its readiness and ability to meet the increased demands and challenges to support the University.

INFORMATIONAL ITEMS

University of Connecticut Department of Human Resources
New Hires Processed from April 5, 2014 to June 11, 2014
Presented to the Board of Trustees for Information on Professional Employees

NAME	TITLE	DEPARTMENT	DATE
BALDWIN, ROBERT	RESEARCH ASSISTANT 1	CHIP	5/7/2014
BALLARD, SHELBY L.	UC PROFESSIONAL 05 - ACADEMIC ADVISOR I	COMMUNICATION	5/2/2014
BOLDUC, MARK L.	UC PROFESSIONAL 08 - ENVIRON COMP ANALYST	ENVIRONMENTAL POLICY	4/11/2014
CAMPBELL, JEREMY J.	UC PROFESSIONAL 09 - BUDGET ANALYST III	BUDGET OFC	5/30/2014
CARROLL, ANN MARIE	RESEARCH ASSISTANT 1	PHYSICS	6/2/2014
CERRIGIONE, CHRISTOPHER M	UC PROFESSIONAL 06 - PROGRAM SPEC I	VP INFORMATION SERVICES	5/23/2014
CHIRIBOGA, CHRISTIAN A.	ASST COOP EXT EDUC	PLANT SCI & LANDSCAPE ARC	5/30/2014
CULLEN, SARAH	SPECIALIST IA	ATHLETICS WMNS INTERCOL	4/16/2014
D'LIMA, NADIA G.	U POST DOC FEL 1	MOLECULAR & CELL BIOLOGY	5/10/2014
DODGE, THOMAS M.	UC PROFESSIONAL 04 - LAB TECHNICIAN II	PHYSICS	5/2/2014
DOUGLAS, HEIDI S.	UC PROFESSIONAL 07 - PROGRAM SPEC II	ENGINEERING DEAN OFC	5/16/2014
DUGGAN, KATIE E.	UC PROFESSIONAL 08 - ENVIRON COMP ANALYST	ENVIRONMENTAL POLICY	4/11/2014
DUNCAN, MARVYANN M.	UC PROFESSIONAL 04 - ADMIN SERV ASST III	ENGINEERING DEAN OFC	3/29/2014
DUROCHER, SHELLEY N.	UC PROFESSIONAL 01 - RESEARCH LAB AIDE	PLANT SCI & LANDSCAPE ARC	5/23/2014
ETIER, CHARLOTTE M.	UC PROFESSIONAL 06 - FIN AID OFFICER	FINANCIAL AID OFC	4/18/2014
FERRON, NICHOLAS W.	U STAFF PROF III	CONTROLLER OFC	5/16/2014
FLYNN, MARK A.	UC PROFESSIONAL 05 - SA PROG COORD II	STUDENT ACTIVITIES	4/18/2014
GALFANO, CARLA A.	UC PROFESSIONAL 05 - ART MUSEUM REGISTRAR	BENTON MUSEUM OF ART	5/30/2014
GARCIA, ALFRED JR	UC PROFESSIONAL 04 - ADMIN SERV SPEC II	BUDGET OFC	5/30/2014
GIELO-PERCZAK, KRYSTYNA	ASST PROF IN RES	BIOMEDICAL ENGINEERING	8/23/2011
GRIFFIN, CHARLES A.	UC PROFESSIONAL 05 - DNG SERV AR AST MGR	DINING SERVICES	5/16/2014
GRUDER, KAY K.	UC PROFESSIONAL 06 - PROGRAM SPEC I	CAREER DEVELOPMENT	5/30/2014
GRUNWALD, KRISTOPHER A.	SPECIALIST IIA	ATHLETICS WMNS INTERCOL	4/1/2014
GUANTE, ALFRED	UC PROFESSIONAL 02 - PROG ASST-ED OUTRCH	VISITORS CENTER	5/2/2014
HALPERT, JAMES R.	DEAN	PHARMACY DEAN OFC	6/1/2014
HARDIN, JOSHUA T.	UC PROFESSIONAL 04 - COMP TECH SUP CONS 1	CHIP	6/2/2014
HERMAN, ELLEN C.	SPECIALIST IA	ATHLETICS WMNS INTERCOL	5/3/2014

University of Connecticut Department of Human Resources
New Hires Processed from April 5, 2014 to June 11, 2014
Presented to the Board of Trustees for Information on Professional Employees

NAME	TITLE	DEPARTMENT	DATE
HREN, MICHAEL T.	ASSISTANT PROFESSOR	INTEGRATIVE GEOSCIENCE	8/23/2012
INVERNALE, MICHAEL A.	U POST DOC FEL 1	CHEMISTRY	5/16/2014
JAGANATHAN, SIVAKUMAR	U STAFF PROF IV - DIRECTOR	INST RESEARCH & EFFECTIVE	5/30/2014
JUKKOLA, PETER I.	U POST DOC FEL 1	PHYSIOLOGY & NEUROBIOLOGY	5/27/2014
KAUR, SANGMEET	UC PROFESSIONAL 05 - ADMIN COORDINATOR	CT INFO TECH INST	3/21/2014
KIM, CHIHO	U POST DOC FEL 1	MATERIALS SCIENCE INST	4/4/2014
KRISHNAN, SRIDEVI	U POST DOC FEL 1	MATERIALS SCIENCE INST	5/8/2014
LAPP, DANIEL	UC PROFESSIONAL 09 - DATABASE ADMIN 2	ENTERPRISE ADMIN SYSTEMS	5/30/2014
LISKA, DONNA H.	UC PROFESSIONAL 01 - PROGRAM AIDE	DEPARTMENT OF EXTENSION	5/16/2014
LONGCORE, MATTHEW J.	UC PROFESSIONAL 06 - PROGRAM ADMIN	BUSINESS MBA PROGRAM	4/14/2014
MAHESHGURU, SHILPA	UC PROFESSIONAL 08 - COMP PROG/ANAL 2	ENTERPRISE ADMIN SYSTEMS	5/30/2014
MALINOSKI, CHRISTOPHER P.	U POST DOC FEL 1	MOLECULAR & CELL BIOLOGY	4/4/2014
MAMUN, MD. S.	U POST DOC FEL 1	CT TRANSPORTATION INST	5/16/2014
MATTINGLY, ASHLEY R.	UC PROFESSIONAL 05 - WRITER/EDITOR III	VP INFORMATION SERVICES	5/30/2014
MCGARRY, FELICIA S.	UC PROFESSIONAL 06 - FIN AID OFFICER	FINANCIAL AID OFC	4/18/2014
MCKEOWN, KIMBERLY A.	UC PROFESSIONAL 07 - PROGRAM SPEC II	CTR STUDENTS DISABILITIES	5/2/2014
MERRITT, EMILY K.	UC PROFESSIONAL 06 - CAREER CONSULTANT	CAREER DEVELOPMENT	5/30/2014
NEARY, KYLE	UC PROFESSIONAL 05 - SA PROG COORD II	STUDENT ACTIVITIES	6/2/2014
O'DONOVAN, STEPHEN	UC PROFESSIONAL 07 - U ACCOUNTANT II	ACCOUNTING OFC	4/28/2014
PETERSON, ERAN E.	UC PROFESSIONAL 04 - CAREER COUNSELOR	CAREER DEVELOPMENT	4/4/2014
ROGERS, IAN A.	UC PROFESSIONAL 07 - NETWORK TECHNICIAN 2	UNIVERSITY SECURITY	5/16/2014
SAGUN, VERNIE G.	U POST DOC FEL 1	PLANT SCI & LANDSCAPE ARC	5/2/2014
SARGENT, SHIRLEY A.	ASST CLIN PROF	NURSING DEAN OFC	5/1/2014
SEGALL, DANA M.	RESEARCH ASSISTANT 1	SOCIAL WORK INSTR & RES	5/12/2014
SHARMIN, EFFAT	RESEARCH ASSISTANT 2	ALLIED HEALTH SCIENCES	5/16/2014
STAGIS, JULIE A.	UC PROFESSIONAL 05 - WRITER/EDITOR III	UNIVERSITY COMMUNICATIONS	5/6/2014
TAFFE, NGOZI	U STAFF PROF III - DIRECTOR	CONTROLLER OFC	5/30/2014

University of Connecticut Department of Human Resources
New Hires Processed from April 5, 2014 to June 11, 2014
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NAME	TITLE	DEPARTMENT	DATE
WALKER, VINCENT G.	UC PROFESSIONAL 05 - ASSIGNMENTS COORD	RESIDENTIAL LIFE OFC	5/30/2014
WARREN, DANIEL	U STAFF PROF III	ACCOUNTS PAYABLE	5/12/2014
WEIR, WILLIAM L.	UC PROFESSIONAL 08 - WRITER/EDITOR IV	ENGINEERING DEAN OFC	5/2/2014
WILMOT, PAULA L.	UC PROFESSIONAL 07 - PROGRAM MANAGER	ENRICHMENT PROGRAMS	8/13/2010
ZABEL, CHELSEA L.	UC PROFESSIONAL 03 - PROG ASSISTANT I	UCAELI	6/2/2014
ZEHNER, ANDREW G.	ASST VICE PRESIDENT	VICE PRES FOR RESEARCH	4/4/2014
ZISSIS, CHRISTOPHER P.	UC PROFESSIONAL 07 - COMP TECH SUP CONS 2	BUSINESS DEAN OFC	6/9/2014
ZONGOL, COLBY M.	UC PROFESSIONAL 07 - SUBS ABU PREV EDUC	WELLNESS & PREVENTION	5/16/2014

University of Connecticut Department of Human Resources
Leaves of Absence Processed through 6/9/14
Presented to the Board of Trustees for Information on Professional Employees

NAME	TITLE	DEPARTMENT	DATES	REASON FOR LEAVE
Aguero, Jorge	Assistant Professor	Economics & El Instituto	8/23/14 - 8/22/14	Visiting Scholar InterAmerican Dev Bank
Barbeau, Evelyn	Program Assistant I (UCP III)	Speech, Language & Hearing	5/20/14 - 5/22/14	Medical leave with pay
Bazzani, Janice	Training/Dev Coordinator (UCP VII)	Enterprise Admin System	4/28/14 - 5/9/14	Medical leave with pay
Beasley, Maya	Associate Professor	Sociology	8/23/14 - 8/22/15	Personal leave without pay
Boucher, Thomas Jude	Cooperative Extension Educator	Department of Extension	4/7/14 - 5/19/14	Medical leave with pay
Ferriss, Veronica	Info Systems Analyst III (UCP VIII)	Enterprise Admin System	3/26/14 - 4/3/14	Medical leave with pay
Fitzgerald, Rosanne	Program Assistant II (UCP IV)	Economics	3/13/14 - 3/17/14	Medical leave with pay
Howard, Elizabeth	Associate Professor	Curriculum & Instruct. , Education	8/23/14 - 5/22/15	Personal leave without pay
Kvale, Helene	Assistant Professor in Residence	Dramatic Arts	8/23/14 - 6/7/15	Other - Write 12 part television series
Macki Braconi, Adrienne	Assistant Professor	Dramatic Arts	4/1/14 - 5/13/14	Medical leave with pay
Martin, Elaine	Financial Assistant II (UCP V)	Accounting Office	4/4/14 - 5/27/14	Medical leave with pay
Niderno, Linda	Financial Aid Officer	Financial Aid Office	5/2/14 - 5/12/14	Medical leave with pay
Nye, Lori	Business Manager II (UCP VII)	Design & Document Production	5/27/14 - 5/27/14	Medical leave with pay
Van Deveire, Katherine	Clinical Faculty & Physical Therapist	Kinesiology	5/26/14 - 8/15/14	Medical leave with pay
Waite, Carrol	Administrative Coordinator (UCP V)	Ctr for Students with Disabilities	4/14/14 - 6/4/14	Medical leave with pay
Wheeler, Kathryn	Associate Professor	Pharmacy Practice	4/4/14 - 5/30/14	Medical leave with pay
Wilson, Cristina	Assistant Professor	Social Work	8/07/14 - 10/30/14	Medical leave with pay

University of Connecticut Department of Human Resources
Separations Processed from April 5, 2014 to June 11, 2014
Presented to the Board of Trustees for Information on Professional Employees

NAME	TITLE	SEPARATION REASON	DEPT	DATE
ADAMS, CINNAMON K.	UC PROFESSIONAL 07 - PROGRAM ASSOCIATE	RESIGNATION (GOOD STANDING)	CMTYSD	6/12/2014
ALLEN, RODNEY G.	ASST EXT PROF	RETIREMENT (55/W 10-24 YEARS)	AHS	5/31/2014
ANDREW, KATHRYN A.	UC PROFESSIONAL 07 - ACAD COUNSELOR/COORD	RESIGNATION (GOOD STANDING)	HDFS	6/12/2014
CAPOZZIELLO, MATTHEW T.	RESEARCH ASSISTANT 2	RESIGNATION (GOOD STANDING)	MCB	5/9/2014
CARELLO, CLAUDIA A.	PROFESSOR	RETIREMENT (25+ YRS SERVICE)	PSYC	5/31/2014
CHAFFIN, ROGER	PROFESSOR	RETIREMENT (55/W 10-24 YEARS)	RG CMP	5/31/2014
COLEMAN, BRENDA C.	UC PROFESSIONAL 06 - GRANTS/CONTR SPEC I	RESIGNATION (GOOD STANDING)	OSP	5/1/2014
COSTA, BARRY	UC PROFESSIONAL 08 - COMP PROG/ANAL 2	RESIGNATION (GOOD STANDING)	COMM	4/10/2014
CRIBBEN, JENNIFER	UC PROFESSIONAL 03 - TECH RECORDS COORD	RESIGNATION (GOOD STANDING)	CLAS	6/12/2014
CROWELL, KENNETH	U DIRECTOR	RESIGNATION (GOOD STANDING)	FACIL	5/31/2014
D'AGATA, EDWARD A.	UC PROFESSIONAL 08 - COMP TECH SUP CONS 3	RETIREMENT (55/W 10-24 YEARS)	PSYC	4/30/2014
DESROSIERS, KRISTINE	UC PROFESSIONAL 04 - ADMIN SERV SPEC II	RESIGNATION (GOOD STANDING)	ACTPAY	4/11/2014
DOLDE, WALTER C. JR	ASSOCIATE PROFESSOR	RETIREMENT (55/W 10-24 YEARS)	SBMBA	5/31/2014
DONG, LIANG	U POST DOC FEL 1	RESIGNATION (GOOD STANDING)	IMS	5/30/2014
DRUCKENBROD, LAURENCE	UC PROFESSIONAL 07 - PROGRAM ASSOCIATE	RETIREMENT (55/W 10-24 YEARS)	CAREER	4/30/2014
FINLEY, JILL M.	UC PROFESSIONAL 05 - FINANCIAL ASST II	RETIREMENT (55/W 10-24 YEARS)	NURS	5/31/2014
GALONSKA, ANN L.	UC PROFESSIONAL 04 - ADMIN SERV SPEC II	RETIREMENT (55/W 10-24 YEARS)	LIB	4/30/2014
GROUT, SARAH E.	RESEARCH ASSISTANT 1	RESIGNATION (GOOD STANDING)	MCB	5/30/2014
HALL, MATTHEW L.	U POST DOC FEL 1	RESIGNATION (GOOD STANDING)	LING	12/12/2013
HARRIS, SHARON	PROFESSOR - DIRECTOR	RETIREMENT (TIER2 62/W5-25 YRS OR	ENGL	5/31/2014
JONES, CYNTHIA F.	ASST VICE PRESIDENT	RETIREMENT (55/W 10-24 YEARS)	VPSTU	5/31/2014
JONES, DONNA S.	UC PROFESSIONAL 05 - FINANCIAL ASST II	RETIREMENT (55/W 10-24 YEARS)	OSP	5/31/2014
KAPSCH, MICHAEL	UC PROFESSIONAL 05 - DNG SERV AR AST MGR	RETIREMENT (TIER2 62/W5-25 YRS OR	FOOD	5/31/2014
KIRSCH, GARY J.	UC PROFESSIONAL 05 - PROGRAM COORD	RESIGNATION (GOOD STANDING)	CSARTS	5/13/2014
KLEIN, LINDA S.	PROFESSOR	RETIREMENT (25+ YRS SERVICE)	FNCE	5/31/2014
KLEIN, WALDO C.	PROFESSOR	RETIREMENT (55/W 10-24 YEARS)	SW	5/31/2014
LESSARD, TERRI K.	UC PROFESSIONAL 03 - PROG ASSISTANT I	RESIGNATION (GOOD STANDING)	MUSI	4/16/2014

University of Connecticut Department of Human Resources
Separations Processed from April 5, 2014 to June 11, 2014
Presented to the Board of Trustees for Information on Professional Employees

NAME	TITLE	SEPARATION REASON	DEPT	DATE
LOKESH KUMAR, FNU	U POST DOC FEL 1	RESIGNATION (GOOD STANDING)	PHSCI	4/10/2014
LOWREY, GREGORY	U STAFF PROF II	RESIGNATION (GOOD STANDING)	CONTRL	5/1/2014
LU, JACK J.	RESEARCH ASSISTANT 2	RESIGNATION (GOOD STANDING)	SW	5/2/2014
MARCUS, HARRIS L.	PROFESSOR	RETIREMENT (55/W 10-24 YEARS)	IMS	5/31/2014
MARTINEZ, JUDYTH A.	UC PROFESSIONAL 05 - ACADEMIC ADVISOR I	RESIGNATION (GOOD STANDING)	CLAS	4/4/2014
MASCIANDARO, FRANCO	PROFESSOR	RETIREMENT (55/W 10-24 YEARS)	LCL	5/31/2014
MCGRATH, PATRICK B.	UC PROFESSIONAL 01 - PROGRAM AIDE	RESIGNATION (GOOD STANDING)	ATH	5/15/2014
MCNERNEY, MEGAN	RESEARCH ASSISTANT 1	RESIGNATION (GOOD STANDING)	CHIP	5/9/2014
METIVIER, PAMELA A.	UC PROFESSIONAL 09 - SR COMP PROG/ANAL	RETIREMENT (55/W 10-24 YEARS)	EAS	4/30/2014
MILLETT, ABRAHAM A.	UC PROFESSIONAL 04 - COMP TECH SUP CONS 1	RESIGNATION (GOOD STANDING)	ECAMPU	5/30/2014
MONTI, ALBERT J.	UC PROFESSIONAL 08 - PROGRAM DIRECTOR	RESIGNATION (GOOD STANDING)	HTFD	5/21/2014
MUSIEK, FRANK E.	PROFESSOR - DIRECTOR	RETIREMENT (55/W 10-24 YEARS)	SPEECH	5/31/2014
NARDI, JOHN P.	ASSOCIATE PROFESSOR	RETIREMENT (25+ YRS SERVICE)	DRAM	5/31/2014
PANT, RIMA	RESEARCH ASSISTANT 2	RESIGNATION (GOOD STANDING)	PNB	6/4/2014
POTTER, GAVIN	UC PROFESSIONAL 07 - ACAD COUNSELOR/COORD	RESIGNATION (GOOD STANDING)	CPIA	6/2/2014
RYKER, KAREN	PROFESSOR	RETIREMENT (55/W 10-24 YEARS)	DRAM	5/31/2014
SALORIO, SAMUEL	UC PROFESSIONAL 04 - COMP TECH SUP CONS 1	RESIGNATION (GOOD STANDING)	CHIP	4/7/2014
SCHREIBER, DAVID JR	UC PROFESSIONAL 08 - TECHNICAL ASSOC	RETIREMENT (25+ YRS SERVICE)	ANSC	4/30/2014
SHEEHAN, NANCY W.	ASSOCIATE PROFESSOR	RETIREMENT (25+ YRS SERVICE)	HDFS	5/31/2014
SIMPSON, AMY	UC PROFESSIONAL 05 - FINANCIAL ASST II	RESIGNATION (GOOD STANDING)	CLAS	6/4/2014
SINGHA, SUMAN	PROFESSOR	RETIREMENT (55/W 10-24 YEARS)	PLSC	5/31/2014
SORRENTINO, KATHERINA E.	U ASST DIRECTOR	RESIGNATION (GOOD STANDING)	CSR	5/31/2014
SULLIVAN, MARY LOU	UC PROFESSIONAL 07 - PUBLICITY/MKTG MGR	RETIREMENT (55/W 10-24 YEARS)	ECAMPU	5/31/2014
SUN, LI	UC PROFESSIONAL 09 - U ACCOUNTANT III	RETIREMENT (55/W 10-24 YEARS)	ACTOFC	5/31/2014
SWANSON, MARK S.	PROFESSOR	RETIREMENT (25+ YRS SERVICE)	RG CMP	5/31/2014
VILLA ICEA, YOLANDA	U STAFF PROF IV	RESIGNATION (GOOD STANDING)	PROCUR	5/2/2014
ZIZKA, BARBARA A.	UC PROFESSIONAL 09 - EXECUTIVE ASST II	RETIREMENT (25+ YRS SERVICE)	DRAM	5/31/2014

COMMITTEE AGENDAS

AGENDA

Meeting of the
BUILDINGS, GROUNDS AND ENVIRONMENT COMMITTEE
June 2, 2014, 10:45 a.m.*
University of Connecticut
Rome Commons Ballroom
Storrs, Connecticut

Call In Number: (866) 776-6259 Participant Passcode: 7151229

** Presentations of Project Updates will be made at approximately **10:30 a.m.**
to both the BGE and CMOC Committees.*

PRESENTATION ITEMS (10:30 a.m.) *:

ATTACHMENT

- | | |
|---|---|
| 1) Project Updates | |
| • UConn Health | |
| ➤ Bio Science Connecticut | |
| ➤ Owner Controlled Insurance Program (OCIP) | 3 |
| ➤ BioScience Connecticut Monthly Capital Projects
Report (<i>Informational</i>) | 4 |
| • Storrs | |
| ➤ Next Generation Connecticut | |
| 2) University Master Plan | |
| 3) Fiscal Year 2015 Deferred Maintenance/Code/ADA Renovation
Lump Sum Project List | 5 |

ACTION ITEMS:

- | | |
|---|---|
| 4) Approval of the Minutes of the Buildings, Grounds and Environment
Committee Meetings of April 10, 2014, as circulated | 6 |
|---|---|

OTHER BUSINESS

EXECUTIVE SESSION

Note: Project Update Presentations will be made at approximately **10:30 a.m.*

AGENDA

Meeting of the
CONSTRUCTION MANAGEMENT OVERSIGHT COMMITTEE (CMOC)
June 2, 2014, 10:00 a.m.*
University of Connecticut
Rome Commons Ballroom
Storrs, Connecticut

Call In Number: (866) 776-6259 Participant Passcode: 7151229

** Presentations of Project Updates will be made at approximately **10:30 a.m.**
to both the BGE and CMOC Committees.*

ATTACHMENT

PUBLIC COMMENTS:

PRESENTATIONS AND DISCUSSIONS:

1. May 2014 Quarterly Reports on Construction Performance Reported by the Office of Construction Assurance 1
2. Updates On Operational & Organizational Activities & Improvements:
 - Laura A. Cruickshank, University Master Planner and Chief Architect, Office of Planning, Architecture & Engineering Services (PAES)
 - Matthew Larson, Director of Procurement Services, Capital Project and Contract Administration (CPCA)
 - On-Call Professional Services Contracts Utilization Report (*Informational*) 2
3. Status of Code Correction Projects:
 - Construction Management Oversight Committee Monthly Code Correction Status Report – Comments/Questions
4. March 31, 2014 Quarterly Construction Status Report – Comments/Questions
5. Update of Current Construction Project Progress
 - UCHC
 - Bio Science Connecticut
 - Owner Controlled Insurance Program (OCIP) 3
 - BioScience Connecticut Monthly Capital Projects Report (*Informational*) 4
 - Storrs
 - Next Generation Connecticut
 - University Master Plan
6. Fiscal Year 2015 Deferred Maintenance/Code/ADA Renovation Lump Sum Project List 5

**University of Connecticut Board of Trustees
Institutional Advancement Committee**

Tuesday, June 10, 2014
1:30 p.m.

School of Law
Hosmer Hall Conference Room
55 Elizabeth Street
Hartford, Ct

1. IA Committee Membership Ms. Gandara
Attachment 1

2. Acceptance of the Minutes from March 11, 2014..... Ms. Gandara
Attachment 2

3. UConn Foundation Report.....Mr. Newton
Attachment 3

4. Proposed Amendments to Named Gift GuidelinesMr. Newton
Attachment 4

5. Agreement between the University of Connecticut Law School Foundation, Inc.
and the University of Connecticut School of Law Mr. Biancamano
Separate Cover

6. Agreements between the University of Connecticut Foundation, Inc.
and the University of Connecticut..... Mr. Biancamano
Separate Cover

7. Legislative Update.....Ms. Lombardo

Joint Audit & Compliance Committee Agenda

10:00 am – 10:45 am – Executive Session

10:45 am – 12:00 pm - Public Meeting

May 20, 2014

Issue	Proposed Action	Tab
<p>Executive Session to discuss:</p> <ul style="list-style-type: none"> C.G.S. 1-200(6)(E) – A discussion of any matter which would result in the disclosure of public records or the information contained therein pertaining to preliminary drafts or notes that the public agency has determined the public's interest in withholding outweighs the public's interest in disclosure. [1-210(b)(1)] C.G.S. 1-200(6)(E) - A discussion of any matter which would result in the disclosure of public records or the information contained therein pertaining to strategy and negotiations with respect to pending claims regarding Recovery Audit Contractor (RAC) Audits. [1-210(b)(4)] C.G.S. 1-200(6)(E) - A discussion of any matter which would result in the disclosure of public records or the information contained therein pertaining to or communications privileged by the attorney-client relationship. [1-210(b)(10)] C.G.S. 1-200(6)(c) – Matters concerning standards, processes and codes not available to the public the disclosure of which would compromise the security of integrity of information technology systems. 	Approval	None
Opportunity for Public Comment		None
Minutes of the February 11, 2014 JACC Meeting	Approval	1
Storrs & UConn Health Significant Compliance Activities	Update	2
Athletics	Presentation	
ICD-10 Transition	Update	3
Significant Audit Activities		4
<ul style="list-style-type: none"> Status of Audit Assignments (Storrs & UConn Health) 	Update	
<ul style="list-style-type: none"> Audit Follow-up Activity 	Update	

Joint Audit & Compliance Committee Agenda

10:00 am – 10:45 am – Executive Session

10:45 am – 12:00 pm - Public Meeting

Issue	Proposed Action	Tab
http://cga.ct.gov/apa/reports/statewide/STATEWIDE_20140328_FY2013.pdf (Pages 276-319) Statewide Single Audit Findings and Management Responses for the JACC: <ul style="list-style-type: none"> • University of Connecticut Federal Financial Aid Assistance Programs • University of Connecticut Research and Development • University of Connecticut Health Center Research and Development 	Presentation	5
External Engagements <ul style="list-style-type: none"> • McGladrey – Audit and agreed upon procedures of UConn 2000 project expenditures for Fiscal Year 2013 	Update Approval (To be sent separately)	6
Informational/Educational Items <ul style="list-style-type: none"> • Article – ‘2014 State of the Internal Audit Profession Study’, published March 2014, www.pwc.com • Compliance Newsletter – UConn Health and Storrs • JACC Agenda Forecast 	Information Only	7
Conclusion of Full Meeting		
Information Session with OACE's Interim Chief Audit & Compliance Officer and Direct Reports		

The next meeting of the JACC will be held on Friday, September 12, 2014 at 10:00 am
Rome Commons Ballroom, Storrs

Individual Responsibility, Institutional Success

May 20, 2014

Academic Affairs

AGENDA
Board of Trustees
ACADEMIC AFFAIRS COMMITTEE
Wednesday, June 25, 2014
Rome Commons Ballroom
Storrs, CT
9:00 a.m. – 9:15 a.m.

	<u>COMMITTEE</u>	<u>ATTACHMENT</u>
1) Minutes of the Academic Affairs Committee Meeting of April 23, 2014, as circulated	A	

ACTION ITEMS:

2) Promotion and Tenure	2
3) Designation of Emeritus Status	3
4) Sabbatical Leave Recommendations	4
5) Appointment of Dr. Anjana Bhat to the Livieri Physical Therapy Professorship in the Neag School of Education	5
6) Digital Marketing and Analytics Major at the Stamford Campus in the School of Business	6
7) Master of Science in Human Resource Management in the School of Business	7
8) Advanced Business Certificate in Human Resource Management in the School of Business	8
9) Certificate Program in Holistic Nursing	9

EXECUTIVE SESSION (*As Needed*)

ATTACHMENT A

MINUTES
MEETING OF THE ACADEMIC AFFAIRS COMMITTEE
April 23, 2014

Trustees: Bailey, Barham, Bessette, Cantor, Carbray, Daniels, Dennis-LaVigne, Gandara, Handley, James, Kruger, Lobo, Marshall, McHugh, Nayden, Ritter

Staff: Andrews, Armstrong, Bansal, Beal, Biancamano, Britner, Burgess, Callahan, Carone, Chiaputti, Choi, Cruickshank, D'Alleva, Donahue, Fazio, Fearney, Fuerst, Gelston, Geoghegan, Gilbert, Gray, Gregorio, Healy, Herbst, Holsinger, Jednak, Kendig, Kirk, Korbel, Larson, Locke, Locust, Lucas, Luh, Moiseff, Mundrane, Ogbar, Orr, Reis, Reitz, Ross, Rubin, Simsek, Slowik, Stwalley, Teitelbaum, Torti, Trutter, Weidemann, Weiner, Wetstone, Williams, Wohl, Wynn, Yang

Committee Chairwoman Dennis-LaVigne convened the meeting at 9:00 a.m. at the University of Connecticut, Rome Commons Ballroom, Storrs Campus. On a motion by Trustee Carbray, seconded by Trustee Barham, the minutes of the March 26, 2014, meeting were approved as circulated.

Provost Choi introduced ***Action Item #2, Promotion and Tenure***. Moved by Trustee James, seconded by Trustee Barham, the Committee recommended approval of all promotion and tenure cases to the full Board.

Provost Choi introduced ***Action Item #3, Appointment of Dr. Richard Sosis to the James Barnett Professorship in Humanistic Anthropology in the College of Liberal Arts and Sciences***. Provost Choi introduced Dr. Richard Sosis and highlighted his career accomplishments. Moved by Trustee Lobo, seconded by Trustee Bailey, the Committee recommended appointment of Dr. Richard Sosis to the James Barnett Professorship in Humanistic Anthropology to the full Board.

Provost Choi introduced ***Action Item #4, Appointment of Dr. Brenton Graveley to the John and Donna Krenicki Endowed Professorship in Genomics and Personalized Healthcare in the Institute for Systems Genomics***. Provost Choi introduced Dr. Brenton Graveley and highlighted his career accomplishments. Moved by Trustee Carbray, seconded by Trustee James, the Committee recommended appointment of Dr. Brenton Graveley to the John and Donna Krenicki Endowed Professorship in Genomics and Personalized Healthcare to the full Board.

Provost Choi introduced ***Action Item #5, Relocate the Department of Kinesiology from the Neag School of Education to the College of Agriculture and Natural Resources***. Provost Choi introduced Dr. Lawrence Armstrong, Professor and Acting Department Head of Kinesiology, who explained the relocation from the Neag School to the College of Agriculture and Natural Resources. Moved by Trustee Barham, seconded by Trustee Carbray, the Committee recommended relocation of the Department of Kinesiology from the Neag School of Education to the College of Agriculture and Natural Resources to the full Board.

Provost Choi introduced ***Action Item #6, Rename the College of Agriculture and Natural Resources to the College of Agriculture, Health, and Natural Resources***. Provost Choi introduced Dean Gregory Weidemann, who explained the College's desire to be renamed, as its focus has shifted toward health through the Departments of Allied Health Sciences, Kinesiology, and Nutritional Sciences. Moved by Trustee James, seconded by Trustee Bailey, the Committee recommended renaming the College of

Agriculture and Natural Resources to the College of Agriculture, Health, and Natural Resources to the full Board.

Provost Choi introduced ***Action Item #7, Chinese Major in the College of Liberal Arts and Sciences.*** Provost Choi introduced Dr. Chunsheng Yang, Assistant Professor of Chinese, who gave a brief outline of the new program to the Committee. Moved by Trustee James, seconded by Trustee Carbray, the Committee recommended approval of the Chinese Major to the full Board.

Provost Choi introduced ***Action Item #8, Certificate in Foundations of Public Health.*** Provost Choi introduced Dr. David Gregorio, Professor of Community Medicine and Health Care, who gave a brief outline of the new program to the Committee. Moved by Trustee Carbray, seconded by Trustee James, the Committee recommended approval of the Certificate in Foundations of Public Health to the full Board.

Provost Choi introduced ***Action Item #9, Graduate Certificate in School Law.*** Provost Choi introduced Dr. Preston Green, Professor of Educational Leadership and Law, who gave a brief outline of the new online program to the Committee. Moved by Trustee Carbray, seconded by Trustee Barham, the Committee recommended approval of the Graduate Certificate in School Law to the full Board.

Provost Choi introduced ***Action Item #10, Creating Our Future: UConn's Path to Excellence.*** Provost Choi gave a brief overview of the strategic initiatives linked to the Academic Vision, and he introduced members of the University Academic Vision Committee, including Dr. Richard Schwab, Professor of Educational Leadership and Chair of the University Academic Vision Committee. Provost Choi noted that Dr. Schwab would present the Academic Vision to the full Board. Moved by Trustee Bailey, seconded by Trustee Barham, the Committee recommended review and approval of Creating Our Future: UConn's Path to Excellence to the full Board.

Provost Choi introduced ***Informational Item #11, Procedures on Consulting for Faculty and Members of the Faculty Bargaining Unit.***

Provost Choi introduced ***Informational Item #12, Tenure-Track Reappointments.***

Committee Chairwoman Dennis-LaVigne adjourned the meeting at 9:22 a.m.

Respectfully submitted,

Brandon L. Murray
Committee Secretary

Financial Affairs

AGENDA
Meeting of the
FINANCIAL AFFAIRS COMMITTEE – BUDGET WORKSHOP
June 25, 2014 at 9:30 a.m.
University of Connecticut
Rome Commons Ballroom
Storrs, Connecticut

ATTACHMENT

EXECUTIVE SESSION

PRESENTATION ITEM:

- 1) Budget Presentation

ACTION ITEMS:

- | | |
|---|----|
| 2) Approval of the Minutes of the Financial Affairs Committee Meeting of April 23, 2014, as circulated | A |
| 3) Contracts and Agreements for Approval | 1 |
| 4) Memorandum of Understanding between the University of Connecticut Law School Foundation and the University of Connecticut for Fiscal Year 2015 | 11 |
| 5) Master Agreement and Statement of Work between the University of Connecticut Foundation and the University of Connecticut for Fiscal Year 2015 | 12 |
| 6) Revised Spending Plan for Fiscal Year 2015 for the University of Connecticut, Storrs and Regional Campuses | 13 |
| 7) Spending Plan for Fiscal Year 2015 for UConn Health | 14 |
| 8) State Appropriation Request for the Biennium Fiscal Years 2016 and 2017 for the University of Connecticut, Storrs & Regional Campuses | 15 |
| 9) State Appropriation Request for the Biennium Fiscal Years 2016 and 2017 for UConn Health | 16 |
| 10) UCONN 2000 Fiscal Year 2015 Capital Budget | 17 |

ATTACHMENT

- | | |
|--|----|
| 1) Fiscal Year 2015 Deferred Maintenance/Code/ADA Renovation Lump Sum Project List | 18 |
| 2) Twentieth Supplemental Indenture Authorizing University of Connecticut General Obligation Bonds | 19 |

PROJECT BUDGETS FOR APPROVAL:

<i>STORRS BASED PROGRAMS</i>		<i><u>Phase</u></i>	<i><u>Budget</u></i>	<i><u>Tab</u></i>
3) Academic and Research Facilities – Main Accumulation Area for Regulated Wastes		Revised Planning	\$5,255,580	20
4) Arjona and Monteith – Monteith Renovations		Revised Planning	\$25,000,000	21
5) Heating Plant Upgrade – Power System		Revised Planning	\$2,500,000	22
6) Heating Plant Upgrade – Upgrade Chilled Water System		Design	\$7,000,000	23
7) Fats, Oils and Grease (FOG) Compliance – Phase I		Final	\$2,000,000	24
8) fMRI – Acquisition and Installation		Final	\$7,893,000	25
9) Main Water Line Replacement – Phase I		Final	\$7,000,000	26
10) OSFM Code Remediation: Babbidge Library Emergency Lights		Final	\$4,000,000	27
11) UCONN 2000 Code Remediation: Alumni Quad		Final	\$766,000	28
12) UCONN 2000 Code Remediation: Starr Hall		Final	\$612,000	29
<i>UCONN HEALTH</i>				
13) UCH Research Tower: Incubator Lab Addition to the Cell & Genome Sciences Building		Design	\$19,400,000	30
14) UCH 195 Farmington Avenue Renovation		Final	\$3,600,000	31

INFORMATION ITEMS:

15) UCONN 2000 – Book 38 <http://uc2000.uconn.edu/reports/report38/report38.pdf>

16) Construction Project Status Report (Under Separate Cover)

ATTACHMENT A

MINUTES
MEETING OF THE FINANCIAL AFFAIRS COMMITTEE
April 23, 2014

TRUSTEES PRESENT: Louise Bailey, Rose Barham, Andy Bessette, Charles Bunnell, Shari Cantor, Richard Carbray, Sanford Cloud (*via Telephone*), Michael Daniels, Andrea Dennis-LaVigne, Marilda Gandara, Juanita James, Thomas Kruger, Rebecca Lobo(*via Telephone*), Donny Marshall, Larry McHugh, Denis Nayden (*via Telephone*), Steven Reviczky (*via Telephone*) and Thomas Ritter

STAFF PRESENT: Carolle Andrews, John Biancamano, Thomas Callahan, Debbie Carone, Cheryl Chiaputti, Mun Choi, Robert Corbett, Laura Cruickshank, Amy Donahue, Kim Fearney, Nathan Fuerst, Nicole Gelston, Michael Gilbert, Brian Gore, Richard Gray, Susan Herbst, Kent Holsinger, Tysen Kendig, Michael Kirk, Matthew Larson, Susan Locke, Wayne Locust, Michael Mundrane, Brandon Murray, Richard Orr, Sally Reis, Stephanie Reitz, Rachel Rubin, Eli Strassfeld, Jack Sullivan, Frank Torti, Thomas Trutter and Reka Wrynn

UNIVERSITY SENATE MEMBERS PRESENT:
Rajeev Bansal, Lynne Healey, Donna Korbel Zeki Simsek and William Stwalley

Committee Chairman Thomas Kruger convened the meeting of the Financial Affairs Committee at 9:22 a.m. in the Lewis B. Rome Commons Ballroom on the University of Connecticut campus in Storrs, Connecticut.

Mr. Kruger directed the committee to a revised agenda; which was revised to add an exigent Final Project Budget for Residential Life Facilities – South Campus Envelope – Precast Stone Repair for \$4.5 million. On a motion by Trustee Cantor and seconded by Trustee Carbray the revised agenda was accepted as circulated.

Mr. Kruger directed the committee to agenda *Item #1, Approval of the Minutes of the Financial Affairs Committee Meeting of March 26, 2014*. On a motion by Trustee Cantor and seconded by Trustee Bessette the minutes were approved as circulated.

Matthew Larson, Director of Procurement, reviewed the contracts presented for approval on agenda *Item #2, Contracts and Agreements for Approval*. Kyle Muncy, Assistant Athletic Director and Trademark Licensing Officer, detailed the University's collegiate trademark licensing agreement with CLC Licensing which is contracted with, to promote, protect and to ensure the University profits from UConn's trademark portfolio. On a motion by Trustee Cantor and seconded by Trustee Bessette the item was recommended to the full Board for approval.

Laura Cruickshank, University Master Planner and Chief Architect, provided information on the project budgets for Storrs based programs presented for approval which included: *Hartford Relocation Acquisition/Renovation (Revised Planning: \$10.0M); Fats, Oils and Grease (FOG)*

Compliance – Phase I (Design: \$2.0M); fMRI – Acquisition and Installation (Design: \$8.0M); Sewer Replacement Storrs Road Pump Station (Design: \$3.15M); Main Water Line Replacement – Phase I (Design: \$7.0M); Ecology and Evolutionary Biology (EEB) Greenhouse Renovations (Final: \$1.0M); Fine Arts Gateway and Pedestrian Access (Final \$1.5M); Gant Building Renovations – Mechanical Repairs (Final: \$600K); Mansfield Apartment Bathrooms – Phase II (Final: \$500K); Young Building Renovation/Addition – Envelope Repairs (Final \$5.0M); and Residential Life Facilities – South Campus Envelope: Precast Stone Repair (Final: \$4.5M). On a motion by Trustee Cantor and seconded by Trustee Bessette the items were recommended to the full Board for approval.

Richard Orr, University General Counsel, introduced agenda ***Item #13, Update on Standard Lease for Technology Incubation Program (TIP).*** As a result of an internal audit there was a question about export control compliance for TIP lease tenants. The concern has been addressed which necessitates changes to the leases for those tenants. This item is presented to inform the Board of the clarification within the standard TIP lease template.

Mr. Gray directed the committee to the remainder of the agenda items presented for information: ***Contracts and Agreements for Information; Construction Project Status Report; Master Schedule for UCONN 2000 Phases I, II & III (as of 3/31/14); and Status of Capital Projects > \$500,000.***

Trustee Kruger adjourned the meeting at 9:50 a.m. on a motion by Trustee Cantor and seconded by Trustee Carbray.

Respectfully submitted,

Debbie L. Carone

Debbie L. Carone,
Secretary to the Committee

Buildings, Grounds and Environment

AGENDA

Special Meeting of the BUILDING, GROUNDS & ENVIRONMENT COMMITTEE

June 25, 2014, 9:15 a.m.

University of Connecticut
Rome Commons Ballroom
Storrs, Connecticut

ATTACHMENT

DISCUSSION ITEM:

1. LEED Update

ACTION ITEMS:

2. Environmental Impact Evaluation (EIE) – Engineering
and Science Building (Separate cover)
3. Environmental Impact Evaluation (EIE) – Science Technology
Engineering and Math (STEM) Residence Hall, Storrs, Connecticut (Separate cover)

EXECUTIVE SESSION *(As Needed)*



Board of Trustees

ADDITIONAL MATERIALS

The following documents were not noticed with the original Agenda. These include items that were provided under separate cover or presented and/or amended during the meeting of

Wednesday, June 25, 2014



Board of Trustees

**PRESENTED UNDER BUILDINGS, GROUNDS AND
ENVIRONMENT COMMITTEE REPORT**

Wednesday, June 25, 2014



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

A handwritten signature in blue ink, reading "John M. Biancamano".

Thomas Callahan
Associate Vice President

A handwritten signature in blue ink, reading "Thomas Callahan".

RE: Environmental Impact Evaluation (EIE) – Engineering and Science Building

RECOMMENDATION:

That the Board of Trustees endorse the draft Record of Decision and associated Environmental Impact Evaluation (EIE) for the proposed construction of a new Engineering and Science Building on the Storrs campus.

BACKGROUND:

The proposed project will provide a new centralized facility for an engineering and interdisciplinary science lab building for bioengineering, computer simulation, chemical engineering and other sciences, designed to foster collaboration between the fields of research. The new building will be an 118,000± square foot (SF), 5-story structure, with the majority of the space devoted to laboratories.

The new facility is proposed to be within the general footprint of the existing Old Central Warehouse, between Glenbrook Road and North Eagleville Road in the Research Neighborhood portion of the Storrs Campus (see the Site Layout figure in Attachment A).

The purpose of the Proposed Action is to satisfy existing and future needs of students enrolled in the Science, Technology, Engineering and Math (STEM) program at the University. The Proposed Action will also provide for much needed “swing space” for professors and students that may be temporarily displaced as a result of future STEM construction and renovation projects.

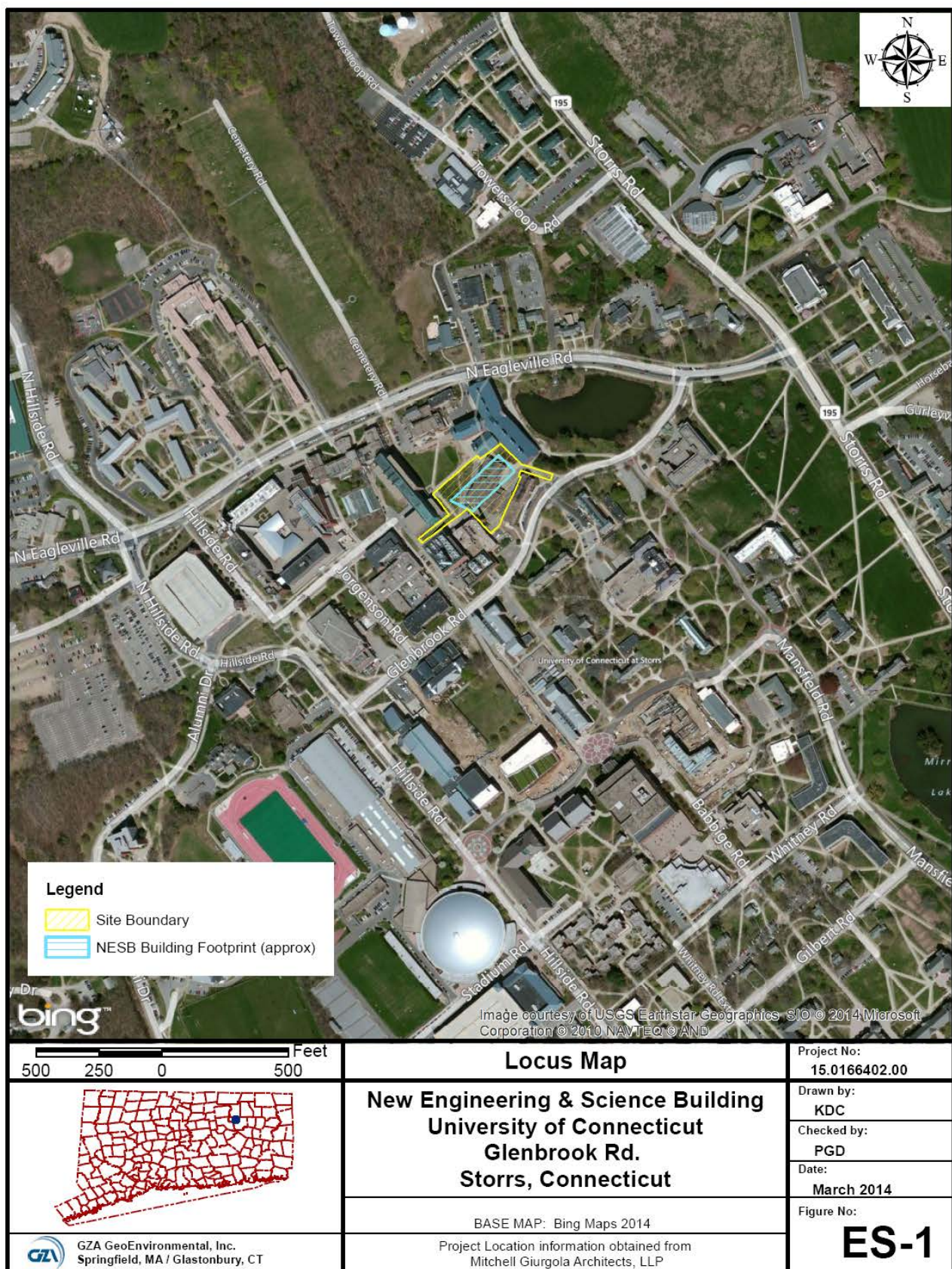
The building construction will incorporate best practices of sustainability with a minimum goal of Leadership in Energy & Environmental Design (LEED) Silver, and will address the guidelines and requirements of the Connecticut High Performance Building Standards. The building and site design will incorporate features that materially improve stormwater management (both volume and quality) on this site. The building also incorporates the use of reclaimed water for toilet use to reduce the campus demand for potable water.

The EIE was published for public comment from April 22, 2014 through June 6, 2014. A public hearing was held on May 29th; hearing materials are available for Board members' review and can be requested through Thomas Callahan. Public comments on the EIE were received from the Connecticut Department of Energy and Environmental Protection (CTDEEP), the Town of Mansfield, the Connecticut Department of Public Health (CTDPH) and the Willimantic River Alliance. As a result of these activities, the University received substantive comments regarding UConn's plans for managing stormwater runoff. These issues are addressed in the Responses to Comments attached to the Record of Decision.

No significant impacts to the environment are anticipated as a result of the proposed action. All practicable means to avoid or minimize any associated environmental impacts that are identified in the EIE will be adopted. The mitigation measures identified in the EIE, and in the responses to comments on the EIE, have been adopted and will be implemented as part of the proposed action.

ATTACHMENT A

SITE LOCATION FIGURE



Attachment A: Site Location Figures

RECORD OF DECISION

Prepared in accordance with the Connecticut Environmental Policy Act

Environmental Impact Evaluation New Engineering and Science Building

**University of Connecticut
Storrs, Connecticut**

UNIVERSITY PROJECT #901376



Prepared for:

UNIVERSITY OF CONNECTICUT
Office of Environmental Policy
31 LeDoyt Road, U-3055
Storrs, CT 06269-3055

Prepared by:

GZA GEOENVIRONMENTAL, INC.
655 Winding Brook Drive, Suite 402
Glastonbury, CT 06033

JUNE 2014

Record of Decision

Environmental Impact Evaluation
New Engineering and Science Building
University of Connecticut
Storrs, Connecticut

Table of Contents

I.	Decision	1
II.	Statement of Environmental Impact	1
III.	Summary of Consultation with Agencies and other Persons	1

Attachment A:	<i>Environmental Impact Evaluation (EIE)</i> , Executive Summary (GZA GeoEnvironmental, Inc., April 2014)
Attachment B:	EIE Public Review Period Notice and Advertisements with Affidavits
Attachment C:	EIE Comment Letters, Public Hearing Transcripts and Responses to Comments
Attachment D:	Public Hearing Presentation

I. DECISION

The University of Connecticut (the University) intends to continue with implementing the Proposed Action, which is construction of a New Engineering and Science Building (NESB) and associated perimeter site improvements at the University of Connecticut's (the University's) Storrs Campus. This decision is based upon the *Environmental Impact Evaluation* (EIE) (GZA GeoEnvironmental, Inc., April 2014) that was prepared for the Proposed Action and the comments received during the public review period for the EIE (April 22, 2014-June 6, 2014). A copy of the EIE's Executive Summary is included as Attachment A.

II. STATEMENT OF ENVIRONMENTAL IMPACT

There will be no significant impacts to the environment as a result of the Proposed Action. All practicable means to avoid or minimize environmental harm have been adopted. The mitigation measures identified in the EIE and, where applicable, the responses to comments, have been adopted.

III. SUMMARY OF CONSULTATION WITH AGENCIES AND OTHER PERSONS

Consultation with various agencies and other persons was initiated as part of the public scoping process which began on January 21, 2014, with the publication of a Public Scoping Notice and Notice of Scoping Meeting in the *Environmental Monitor* per CGS 22a-1b. The purpose of the notice was to inform and solicit comments from agency reviewers and other interested parties of the Proposed Action. A public scoping meeting was scheduled for February 5, 2014; however, it was cancelled due to inclement weather. A revised Scoping Notice was published in the March 3, 2014, *Environmental Monitor*, indicating a new public hearing date of March 17, 2014, and an extended comment period termination date of March 22, 2014. As a result, the public scoping comment period encompassed a total of 60 days, from January 21 to March 22, 2014.

Written scoping comments were provided during the scoping period. Written scoping comments were received by the following agencies: CT Department of Energy & Environmental Protection (DEEP), CT Department of Public Health (DPH), and the Town of Mansfield. A Public Scoping Meeting was held on Monday, March 17, 2014, at 7:00PM at the Merlin Bishop Center at the Storrs, CT campus. Written and oral comments were also received from the Meg Reich of the Willimantic River Alliance. Oral comments were received from Steven Squires, a resident of Mansfield.

After review of the scoping comments and a screening-level environmental analysis, it was determined that preparation of an EIE was warranted. The issues of concern that affected this decision were stormwater management and, to a lesser degree, water supply.

The following were provided with copies of the EIE:

- Department of Energy and Environmental Protection (DEEP)
- Department of Public Health (DPH)
- Office of Policy and Management
- Council on Environmental Quality
- Commission on Culture and Tourism
- Mansfield Town Clerk
- Mansfield Public Library

A notice of availability for the EIE and notice for a public hearing was advertised in the *Environmental Monitor* on April 22, 2014, and was also advertised in the Willimantic Chronicle on April 23, April 30, and May 7 (see Attachment B). The public review and comment period closed on June 6, 2014. The EIE was available for inspection during the entire comment period at the Mansfield Public Library, the Mansfield Town Clerk's Office, and on the Council on Environmental Quality (CEQ) website at http://www.ct.gov/ceq/lib/ceq/Final_EIE_NESB.pdf and the University's website at <http://www.envpolicy.uconn.edu/Final%20EIE%20NESB.pdf>.

A Public Hearing was held for the Project on May 29, 2014, at 7:00PM in Room 146 of the Merlin Bishop Center at the Storrs, CT campus. Oral comments were received from Meg Reich, representing the Willimantic River Alliance, and Steven Squires. Written comments were submitted by the following parties and these comments and the public hearing transcripts are contained in Attachment C:

- Willimantic River Alliance
- Town of Mansfield
- DEEP
- DPH

Responses to all substantive comments are included in Attachment C, organized by comment date.

ATTACHMENT A

Environmental Impact Evaluation Executive Summary

EXECUTIVE SUMMARY

Introduction

The Proposed Action is the construction of a New Engineering and Science Building (NESB) and associated perimeter site improvements at the University's Storrs Campus. The NESB would be a 5-story structure encompassing approximately 118,000 square feet (SF) of space. Because the Proposed Action may significantly affect the environment in an adverse manner, and in consideration of the fact that the project involves more than 100,000 SF of new construction in an area that would have been considered a "Neighborhood Growth Area" under the 2005-2010 State Plan of Conservation and Development's Locational Guide Map, this Environment Impact Evaluation (EIE) has been prepared pursuant to the requirements of the CEPA as promulgated under Section 22a-1 to 22a-1h of the Connecticut General Statutes (CGS) and as amended by Public Act 02-121.

Public Participation

A Public Scoping Notice was published on January 21, 2014 on the Council on Environmental Quality's (CEQ) Environmental Monitor web page as per CGS 22a-1b. A public hearing was scheduled for February 5, however it was cancelled due to inclement weather. A revised Scoping Notice was published in the March 3, 2014 Environmental Monitor indicating the new Public Hearing date of March 17, 2014 and an extended comment period termination date of March 22, 2014. Therefore, the public scoping comment period encompassed a total of 60 days, from January 21 to March 22.

Written scoping comments were received by the following agencies: Connecticut Department of Energy & Environmental Protection (DEEP), Connecticut Department of Public Health (DPH), State Historic Preservation Office (SHPO) and the Town of Mansfield. A public scoping meeting was held on Monday, March 17, 2014 at 7:00 PM at the Merlin Bishop Center at the Storrs Campus. One person, Meg Reich, representing the Willimantic River Alliance provided comments. Oral and written scoping comments appear in Appendix A.

After review of the scoping comments and a screening-level environmental analysis, it was determined that preparation of an EIE is warranted. The particular issues of concern that affected this decision were stormwater management and, to a lesser degree, water supply availability and traffic/transportation.

Purpose and Need

The purpose of the Proposed Action is to satisfy existing and future needs of students enrolled in the Science, Technology, Engineering and Math (STEM) program at the University. Construction of a building for this program was identified in the 2006 Campus Master Plan. The Proposed Action would also provide for much needed "swing space" for

professors and students that may be temporarily displaced as a result of future STEM construction and renovation projects.

Project Description

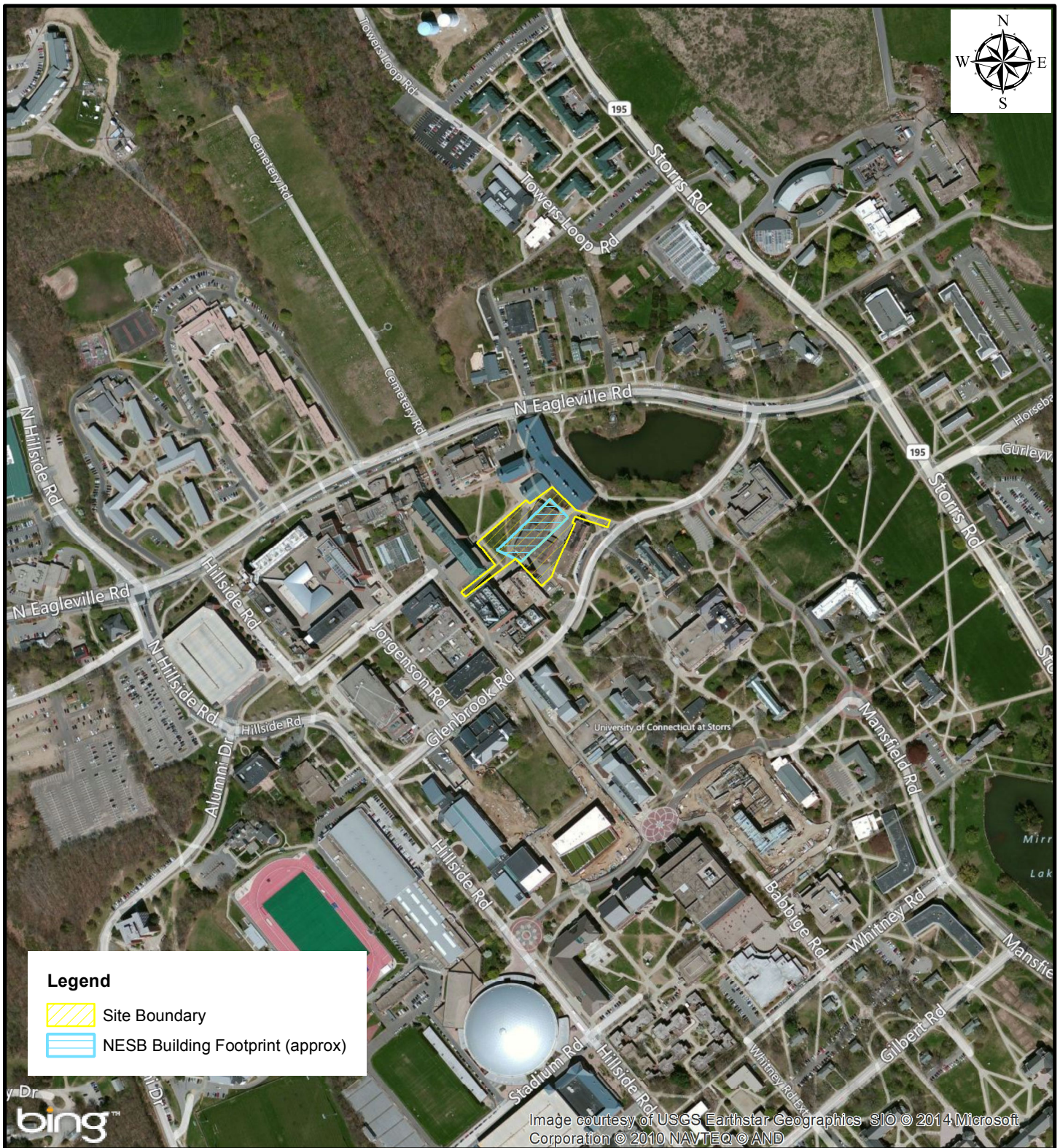
The Proposed Action is the construction and operation of a New Engineering & Science Building (NESB) at the University of Connecticut Storrs Campus in Mansfield, CT. The NESB would be an engineering and interdisciplinary science lab building for bioengineering, computer simulation, chemical engineering and other sciences, designed to foster collaboration between the fields of research. The NESB would be an 118,000± square foot (SF), 5-story structure, with the majority of the space devoted to laboratories. This project would achieve the Leadership in Energy and Environmental Design's (LEED®) Silver and High Performance Building Standards at a minimum.

The preferred Site for the NESB is the footprint of the existing Old Central Warehouse (OCW) located between Glenbrook Road and North Eagleville Road in the Research Neighborhood portion of the Storrs Campus (Figure ES-1).

The OCW has been slated for demolition in 2014 and is not an element of the Proposed Action. Regardless of whether or not the NESB is constructed at this site, the OCW will be demolished.

The University is proposing to complete construction of the NESB and associated perimeter site improvements in time for the Spring 2017 semester. The total project cost is a \$91.3 million of which the estimated construction cost is \$68 million. Funding for this project would come from UConn 2000, now known as Next Generation Connecticut (NextGenCT), pursuant to the provisions of CGS 10a-109 through 10a-109y most recently amended by Public Act 13-233.

The Proposed Action is expected to enable the University to hire more faculty within the STEM program. It is expected that an additional 182 students and 11 faculty/staff would be added to the University roster.



<p>500 250 0 500 Feet</p>	<p>Locus Map</p>		<p>Project No: 15.0166402.00</p>
	<p>New Engineering & Science Building University of Connecticut Glenbrook Rd. Storrs, Connecticut</p>		<p>Drawn by: KDC</p>
	<p>BASE MAP: Bing Maps 2014</p>		<p>Checked by: PGD</p>
<p>GZA GeoEnvironmental, Inc. Springfield, MA / Glastonbury, CT</p>	<p>Project Location information obtained from Mitchell Giurgola Architects, LLP</p>		<p>Date: March 2014</p>
	<p>Figure No: ES-1</p>		

Alternatives

As required by CEPA, alternatives to the Proposed Action were considered. They included:

- Construction of new building between the Arthur B. Bronwell Building (Bronwell) and Engineering II (E2) buildings; and
- No Action

The environmental impacts of the preferred alternative and the E2/Bronwell alternative are similar. Both alternatives would not significantly change the amount of Impervious Cover (IC) cover in the Eagleville Brook watershed and both would require approximately the same amount of water for operation. Similar positive socioeconomic impacts would be provided by both alternatives.

The primary difference between these two alternatives is that the E2/Bronwell expansion would require demolition of two wings of the E2 building that currently consist of existing usable academic and research space. Therefore, the net increase in STEM related space on campus would not be as great as that of the preferred alternative which is to supplant existing storage space (the OCW) which has already been provided elsewhere on campus.

The No Action alternative does not meet the project goal of improving and expanding the STEM program at the University, therefore it was dismissed.

Existing Conditions

The Site of the Proposed Action is the footprint of the existing OCW and its perimeter which consists of paved walkways, lawn and a small parking area. The Site contains no wetlands or state-protected species. There are no open waterbodies in or near the site, although a piped segment of Eagleville Brook traverses under the Quad that borders the Site. The 100-year floodplain for Eagleville Brook is mapped on the Site according to Federal Emergency Management Agency (FEMA) mapping. However, it is clear that FEMA has not updated the mapping for this area because Eagleville Brook was piped underground before 1951 and FEMA did not properly modify its 1981 mapping effort.

Sensitive receptors near the Site include several educational buildings and the adjacent Student Health Services Building. University housing is not present or adjacent to the Site and all land contiguous to the Site is University-owned.

There are utilities available at the site and they include: water supply, sanitary sewer, electricity, heat, cooling, telecommunications and stormwater. Heating, cooling and electricity will be provided by the Central Utility Plant (CUP) which is adjacent to the Site.

The Site is within a Priority Funding Area (PFA) according to the State Plan of Conservation and Development's Locational Guide Map (LGM).

Environmental Impacts and Mitigation

Public scoping comments were received from DEEP, DPH, the Town of Mansfield and the Willimantic River Alliance. The primary issues of concern raised by these entities were:

- Potential stormwater runoff impacts to Eagleville Brook, an impaired water with a Total Maximum Daily Loads (TMDLs) for Impervious Cover (IC) and bacteria; and,
- Capacity of the University's water supply system to meet the water demands of the NESB.

Stormwater Runoff

The Proposed Action would result in a net decrease in IC compared to existing conditions. Approximately 3,000 SF of additional pervious surface in the form of lawn, gardens and tree plantings would be constructed where there are currently hard (impervious) surfaces. The Proposed Action is consistent with the TMDL goals of reducing IC within the Eagleville Brook watershed. Shallow groundwater at the site relative to the proposed depth of the NESB's lowest level (which will be deeper than that of the OCW) necessitates that groundwater be diverted through a collection system. The intended discharge location for the collected groundwater is the storm sewer system that contributes to Eagleville Brook.

Before the Proposed Action is scheduled to be complete, the University will have also completed an updated Master Plan and a corresponding Environmental Impact Evaluation that will evaluate the broader changes to the campus environment, such as any significant stormwater mitigation. The area of the NESB will be reviewed for its cumulative impacts as well as for cumulative mitigation opportunities, including the conceptual stormwater management techniques such as bio-infiltration where possible, green roofs, permeable or porous pavements, cistern collection for landscape irrigation, and treatment.

Water Supply

The Site of the Proposed Action is currently serviced by the University's water supply. The University's 2011 Water Supply Plan (Milone & MacBroom, 2011a) indicated that new water supply sources would be required to maintain margins of safety and provide for supplemental supply to meet increased demands in conjunction with expected expansions. The University prepared an EIE and Record of Decision (ROD) (Milone and MacBroom, 2012 & 2013) for a more detailed study of alternatives to address future needs of the campus and surrounding areas of the Town of Mansfield. Interconnection with the Connecticut Water Company's (CWC) water supply system was selected as the preferred alternative in the EIE. CWC is in the process of preparing a Diversion Permit for CT DEEP with the University as a co-applicant.

The average daily demand associated with the NESB is estimated to be 4,800 GPD, of which 1,600 GPD would be for new hires and additional enrollment enabled by the

Proposed Action. The Proposed Action would create a demand for approximately 182 new students and 11 new faculty/staff. Cumulative impacts, including those on water supply, of the entire NextGenCT program will be evaluated in a Master Plan EIE. However for the purpose of this NESB EIE's evaluation of water supply impacts, consideration must be given to the two other projects that will be opening around the same time as NESB. The total average daily demand associated with NESB, the Innovation Partnership Building (expected to be complete by the end of 2016) and STEM Residence Hall (expected to be complete by August 2016) is 58,400 GPD.

The CWC interconnection is anticipated to come online by the end of the 2016 calendar year, in advance of the expected opening of the NESB in January 2017. The University's additional water supply needs will be met by augmenting its supply with water to be provided pursuant with its contract with the Connecticut Water Company (CWC).

In the case that the proposed NESB is completed prior to the additional water supply being available from CWC, mitigation would be required in order to meet the *peak* day demand, including a system-wide 15% margin of safety. Although the water demand for the NESB is small, it could marginally exacerbate the existing deficiency in the system relative to peak demand if water from the CWC interconnection was not available, as would demands for the STEM Residence Hall and Innovation Partnership Building.

Mitigation will consist of:

- a) Connecting NESB will to the University's reclaimed water utility. Deducting toilet flushing from the average day demand reduces the buildings average daily demand for potable water from 4,800 GPD to 2800 GPD and the net new demand from 1,600 GPD to 920 GPD;
- b) Continuing to promote water conservation throughout the system; and,
- c) Taking steps including securing appropriate regulatory approvals to ensure that peak day margin of safety could be demonstrated by having Fenton Well D approved for use during the time that peak demand is expected.

Traffic/Transportation

There would be a slight increase in traffic and parking as a result of the Proposed Action. NESB will also include space that will enable new hires and some increased enrollment. Those new hires and additional enrollment would be considered as potential additional trips to campus.

The increase in the number of vehicles on the local roadway network is estimated to be approximately 332. During the peak traffic hours, vehicles entering and leaving the campus daily will increase by approximately 30 vehicles during the AM peak hour and 27 vehicles during the PM peak hour.

Relative to the conditions reviewed by in the most recent traffic analysis performed by the University as part of the Innovation Partnership Building, the percentage of potential trips associated with the Proposed Action increases the volume at key intersection by 1-3% or which can be considered minor, especially because the existing intersections operate *overall* at very good levels of service (i.e. very little congestion).

Nevertheless there will be a nominal increase in passenger vehicle traffic and in the demand for parking spaces on-campus associated with the Proposed Action. Impacts will have to be adequately quantified, especially to support the requisite approval from OSTA. Cumulative impacts, including those on traffic and parking, of the entire NextGenCT program will be evaluated in a Master Plan EIE.

The impacts of increased parking demand and traffic can be mitigated through various means. The preferred means of mitigation would be to: broadly promoting ride-share/carpooling programs community-wide to dampen demand; increase public transportation options locally through the on-campus bus and shuttle services and regionally through partnerships with other transit authorities; price residential parking permits to discourage demand; ensure that adhering to lawful parking on and off-campus can be properly enforced.

In the event that the preferred means of mitigation for the overall Master Plan do not adequately address the traffic and parking impacts, major roadway improvements and new structured/surface parking would potentially be needed. Before the Proposed Action is scheduled to be complete, the University will have also completed an updated Master Plan and a corresponding Environmental Impact Evaluation that will evaluate the broader changes to the campus environment, such as any significant parking or traffic mitigation.

As required by CEPA, other potential impacts to the physical, socioeconomic and natural environment were also evaluated, commensurate with the level of expected impact and the degree to which they were raised as potential issues during the scoping process. Table ES-1 summarizes the environmental impacts of the Proposed Action and any mitigation measures that may be needed to minimize or avoid such impacts.

As shown, none of the environmental impacts associated with the Proposed Action would be significant. The University recognizes that the impact of the Proposed Action, combined with other planned projects as part of the NextGenCT program, and the STEM-related projects in particular, need to be addressed in a more comprehensive manner. The University's Master Plan Update, which is on-going, will be the subject of an EIE that addresses these cumulative impacts.

TABLE ES-1. ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

Environmental Element	Impacts	Mitigation
Climate, Topography, Geology & Soils	Disturbance of fill soils, minor grading required	Installation of erosion control measures as required by Construction General Permit
Surface and Groundwater	Reduction of 3,000 SF of Impervious Cover	Not warranted. Net positive impact.
	Direct discharge of groundwater to Eagleville Brook	
Wetlands	No wetlands on or near Site.	Not warranted
Floodplains	Technically within 100-year floodplain but Eagleville Brook piped underground.	Not warranted but DEEP Flood Management Certification required.
Flora and Fauna	No significant impact. Area densely developed.	Not warranted.
State Protected Species	None at or near site per DEEP.	Not warranted.
Air Quality	No direct significant impact. Tie into existing CUP. Insignificant increase in emissions from new emergency generator for Student Health Services Building.	Not warranted.
	Student Health Services Building emergency generator to be replaced with a larger emission source.	Generator to be Tier 4 compliant
Noise & Vibration	Temporary increase in noise and vibration during construction.	Prohibit blasting.
Light/Shadow	Slight increase in shadow and lighting demand in Quad.	Not warranted.
Traffic and Transportation	Nominal increase in parking demand traffic generation.	Broadly promote ride-share/carpooling; Increase public transportation options; Price residential parking permits to discourage demand; Ensuring that adhering to lawful parking on and off-campus can be properly enforced.
Water Supply	Approximately 1,600 GPD in additional demand.	Reclaimed water will be used for NESB toilets to reduce the stated GPD. Reduction of 680± GPD expected for net demand increase of 920±. Continue to promote water conservation and obtain approvals to use Fenton Well D even during low stream flow as proposed in the 2011 Water Supply Plan in order to mitigate peak day demand conflicts in the event the CWC water not yet available at the time NESB is complete.

Environmental Element	Impacts	Mitigation
Stormwater	Approximately 3,000 SF less of impervious area compared to existing	Not warranted. Positive impact.
	Direct discharge of groundwater to Eagleville Brook	
Utilities	Utilities present at or near site.	Not warranted.
Solid & Hazardous Waste	Additional solid waste and some hazardous waste generated.	Managed in accordance with current University practices.
Public Health & Safety	No significant change in emergency service needs.	Not warranted.
Aesthetics	Improved aesthetic of Quad area and removal of dated OCW.	Not warranted.
Cultural Resources	No cultural resources affected. Site is disturbed.	Not warranted.
Socioeconomics	Positive economic benefit.	Not warranted.
Consistency with Plans	Proposed land use is consistent with State Plan of Conservation & Development. Project identified in University 2006 Master Plan.	Not warranted.

ATTACHMENT B

EIE Public Review Period Notices and Advertisements

ATTACHMENT C

Environmental Impact Evaluation Comments and Responses



Elizabeth C. Paterson, Mayor

AUDREY P. BECK BUILDING
FOUR SOUTH EAGLEVILLE ROAD
MANSFIELD, CT 06268-2599
(860) 429-3330
Fax: (860) 429-6863

May 28, 2014

Mr. Jason Coite
UConn Office of Environmental Policy
31 LeDoyt Road, U-3055
Storrs, Connecticut 06269

Subject: Engineering and Science Building Environmental Impact Evaluation (EIE)

Dear Mr. Coite:

The Mansfield Town Council and Planning and Zoning Commission (PZC) offer the following recommendations with regard to the proposed Engineering and Science Building. These comments should be considered in addition to our March 19, 2014 comments provided in response to the scoping process.

- *Traffic and Transportation.* We strongly encourage the University to implement the mitigation measures identified in the report prior to opening the building. Transportation Demand Management, expansion of public transportation options and decreasing resident students demand for cars can all serve to mitigate traffic as the University expands. Additionally, the University should periodically evaluate and reassess the effectiveness of these approaches and provide the Town with a report detailing the results.

M-1

Given the extent of future expansion contemplated by *NextGenCT*, we restate our request that the campus-wide master plan currently being prepared include a comprehensive, multi-modal transportation plan for the build-out of the campus that considers impacts to the local transportation network, including off-campus improvements for vehicular, pedestrian, bike and transit circulation. Transportation initiatives should be designed to integrate with the Nash Zimmer Transportation Center at Storrs Center. This facility currently provides a central location for students, faculty and town residents to access University, WRTD and Peter Pan bus services. As noted above with regard to the mitigation measures proposed for this project, the transportation plan should also include performance measures and a framework for reporting and modifying approaches as needed.

M-2

With regard to enforcement of off-campus parking, the Town has three primary programs that it is actively implementing.

- *Residential Parking.* As part of the Town's rental certification program, owners of structures containing up to 3 rental units are required to prepare and implement a parking plan for both resident and guest parking. Compliance is monitored by the Department of Building

- *Lighting.* All new lighting installed as part of this project should be Dark Sky compliant with full shield cutoffs to reduce light pollution. M-9

- *Factual Corrections.* The following sections of the EIE should be corrected to reflect current conditions:
 - Section 3.2.4-Stormwater. Correct second to last sentence of first paragraph under Existing Conditions to remove reference to Dairy Mart and specify property address as the location instead of business names as businesses change over time. M-10
 - Section 3.2.8-Public Health and Safety. Replace the language in the third paragraph related to Mansfield fire services with the paragraph contained in the EIE for the STEM Residence Hall. The information contained in this document is outdated and incorrect; Mansfield no longer has three separate volunteer fire departments. M-11

If you have any questions regarding these comments, please contact Linda Painter, Director of Planning and Development.

Sincerely,


 Elizabeth C. Paterson
 Mayor


 JoAnn Goodwin
 Chair, Mansfield PZC

Cc: Town Council
 Planning and Zoning Commission
 Conservation Commission



Willimantic River Alliance, Inc.

info@WillimanticRiver.org www.WillimanticRiver.org

P.O. Box 9193, Bolton, CT 06043

May 29, 2014

To: Jason Coite, UCONN Office of Environmental Policy, Storrs, CT

From: Meg Reich, President, Willimantic River Alliance

Subject: **Comments on EIE for New Engineering and Science Building (NESB), April 2014**

The Willimantic River Alliance (WRA) is concerned that plans for the proposed New Engineering and Science Building (NESB), as described in the Environmental Impact Evaluation (EIE), do not currently include adequate measures for preventing further degradation to Eagleville Brook, the impaired water body that flows from the UCONN campus in Storrs to the Willimantic River.

The EIE for the NESB states that no new surface or groundwater improvements or actions are proposed, since no mitigation measures are warranted. The current infrastructure of catch basins and yard drains are proposed to be used for this new building, directing stormwater runoff to be piped directly into Eagleville Brook, which flows through a large underground culvert beneath the site. Indeed, all the buildings around this quadrangle and in this section of campus dispose of roof runoff and stormwater runoff from paved surfaces in this manner. These do not adequately filter the dirt, sand, salt, oil, grease or urban debris washed off of the impervious cover of the paved portions of campus; the grime of the urban campus is piped directly into the brook. This impervious cover (IC) is why Eagleville Brook has impaired water quality, cannot support aquatic life, and is the subject of a TMDL (Total Maximum Daily Load) calculation and a watershed management plan.

WRA-1

The NESB EIE Executive Summary says that before the building is scheduled to be complete, the University's Master Plan & EIE will have been completed and that this project will be reviewed for its impacts and mitigation opportunities for 'conceptual' stormwater management techniques such as bio-infiltration, green roofs, permeable or porous pavements, cistern collection and treatment. That will be too little and too late. Stormwater planning needs to be done now, as soon as possible, particularly since the Design Team says that opportunities for infiltration could be limited in this area.

WRA-2

The current campus stormwater management plan has not yet been updated to include the NESB and other new STEM program buildings being planned. The campus master plan is currently being updated and the consultants acknowledge that stormwater management is one of the 'challenges' to future campus development. New building projects on the Storrs Campus are on hold until these plans are completed, then one EIE for all new buildings is envisioned to be submitted, instead of preparing an EIE for each new major structure. The NESB and the new STEM Residence Hall projects, however, are going forward in advance of the completed master plan, since they are critical to accommodate the anticipated additional STEM students and faculty.

WRA does acknowledge that previous campus plans have envisioned such uses at the locations now under consideration, and the need to expedite these two buildings, in advance of the campus master plan being completed, may be warranted.

The EIE for the STEM Residence Hall, however, includes stormwater and Low Impact Development (LID) improvements while the EIE for the NESB states that no surface or groundwater mitigation measures are warranted, and that stormwater management plans and LID actions for this building be developed after the campus master and stormwater management plans are completed.

The Willimantic River Alliance disagrees with the NESB EIE, and recommends that the stormwater runoff management plans for the NESB site and adjacent areas be expedited so that stormwater and LID Best Management Practices (BMP) can be included in the pre-construction plans for the NESB. Plans for the new pedestrian quadrangle also need to be developed at the same time, since it will undoubtedly host the measures for the NESB, as well as the retrofits needed to disconnect runoff from the adjacent Chemistry, Pathobiology and Pharmacy buildings around the planned 'new' pedestrian quadrangle. While the renovation of the quadrangle is not be a part of this NESB project, consideration needs to be given and preliminary plans made to place stormwater management improvements in and under the quadrangle space in the future, not only for the NESB building, but for the other buildings around the quadrangle.

It is no longer appropriate to direct unfiltered hot dirty urban stormwater runoff from this, the most intensely developed section of the campus, to the virtually unfiltered catch basins and yard drains of the existing eroding quadrangle.

The University has planned for and constructed a number of LID projects throughout the campus, which serve to disconnect and/or filter the stormwater runoff from the buildings and pavement before it enters the natural streams which drain water from the campus to the Willimantic and Fenton Rivers. Some of these projects are quite a distance from Eagleville Brook. The NESB project site is directly above this brook, which is channeled in an underground culvert. Measures put in place on this site will have more direct impact on improving the water quality of the brook, need to be planned now, and cannot wait for the update of the other plans.

WRA recommends that the stormwater plans for this section of the campus be expedited, in order to go forward with the NESB project. At a minimum, raised and filtered catch basins need to replace the existing infrastructure for the entire NESB site. If not, then the NESB project should be put on hold until the campus plans are all completed, just like the other projects on campus. The appropriate stormwater and LID projects can then be planned and financed to accommodate this new building in the more distant future.

The University has adopted a Sustainable Design & Construction Policy, LEED standards, guidelines for sustainable design and low impact development goals. These need to be fully applied to the stormwater runoff 'challenges' of the NESB site, the adjacent 'new' pedestrian quadrangle, and to retrofit the stormwater runoff from buildings surrounding the quadrangle which contribute to the degradation of water quality in Eagleville Brook and thus the Willimantic River.

Feel free to contact me at 860-455-0532 with any questions

WRA-2
CONT'D

WRA-3

WRA-4



STATE OF CONNECTICUT

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION

OFFICE OF ENVIRONMENTAL REVIEW

79 ELM STREET, HARTFORD, CT 06106-5127

To: Jason Coite - Environmental Compliance Analyst
UConn - Office of Environmental Policy, 31 LeDoyt Road, U-3055, Storrs, CT

From: David J. Fox - Senior Environmental Analyst **Telephone:** 860-424-4111

Date: June 6, 2014 **E-Mail:** david.fox@ct.gov

Subject: Engineering & Science Building

The Department of Energy & Environmental Protection (DEEP) has reviewed the Environmental Impact Evaluation for the proposed construction of a New Engineering and Science Building (NESB) on Glenbrook Road on the Storrs campus. The following commentary is submitted for your consideration.

In our comments on the STEM dormitory, the Department expressed concerns over the University's ability to reliably provide water supply to meet the increased demand of that project, in conjunction with this new building and the Innovative Partnership Building, without the proposed interconnection with the Connecticut Water Company. Because this project is not anticipated to be operational until 2017 and its water usage is by far the smallest of the three projects, water supply does not appear to be as serious a concern for this EIE.

As discussed in the EIE, the site is mapped as a 100-year flood zone on the Flood Insurance Rate Map despite the undergrounding of Eagleville Brook sometime prior to 1951. The application for Flood Management Certification should include a demonstration that the underground 48" pipe has the capacity to convey the 100-year flood flow. In addition, groundwater is proposed to be directed away from the proposed building's foundation and discharged to the stormwater system, which flows into the piped brook. The application should also demonstrate that the pipe has the capacity to convey this additional flow, which is judged to be nominal in the document, during the 100-year event.

DEEP-1

The EIE calculated that redevelopment of the site of the former warehouse would result in a net loss of 3000 sq.ft. of impervious surface and explains that potential LID opportunities may be included in stormwater design to meet LEED requirements. The project site will reportedly be reviewed for cumulative mitigation measures as part of the upcoming Master Plan CEPA process. The Department suggests that reconsideration be given to including LID techniques as integral components of the building design, as opposed to subsequent retrofitting. As noted in our scoping comments, having construction equipment on-site for the building would, at a minimum, eliminate mobilization costs for installing LID measures. Incorporating LID techniques during project design would also allow a wider range of options to be considered. DEEP recommends reconsideration of the stormwater management system during final design of the NESB, to include review of a fuller suite of stormwater practices including infiltration, bioretention, evapo-transpiration, extended detention, and rainwater harvesting and reuse

DEEP-2

options. If the University demonstrates the inability to incorporate such suite of practices into this project, then this should be addressed in the University's Master Planning EIE.

DEEP-2
Cont'd

The TMDL for Eagleville Brook (2007) investigated a number of potential causes for the documented degradation of downstream aquatic habitat, low fish abundance and lack of sensitive benthic stream invertebrate taxa that resulted in a non supporting assessment of aquatic life for the mid and lower waterbody segments of Eagleville Brook. There is ample data to support the theory that impervious cover with a watershed alters the natural stream hydrograph, resulting in decreased groundwater recharge. That recharge is predominately responsible for the baseflow conditions of the receiving surface water streams. The complex relationship of groundwater recharge and surface stream flow is compounded by increases of impervious surface area, as has occurred in recent decades on the University campus. By relying on quickly shunting rainfall and snow melt runoff directly into a receiving stream, as is proposed by the NESB project, the groundwater recharge functions are bypassed, to the detriment of the natural stream hydrograph (and the downstream aquatic organisms dependant on that stream flow regime).

The Eagleville Brook Watershed Team, which includes representatives of several University departments and programs, DEEP and the Town of Mansfield, has reviewed the TMDL for Eagleville Brook and subsequent response documents (2010 and 2011). The Team is pursuing approvable project proposals to implement several of the "top ten" stormwater retrofit and low impact development priority site recommendations. Over the last several years the University has accomplished a number of related retrofits and incorporation of LID measures across several new and redeveloped sites on the main campus. The education and outreach has expanded well beyond the University campus footprint, and a diverse audience of students, land use commissioners, designers, engineers and community planners have visited these installations, in person or through the virtual LID campus tour developed by the University's Natural Resources Academy students in 2013. The local community and watershed stakeholders are closely tracking the University actions to further implement the Eagleville Brook Impervious Cover TMDL and are expecting that some of the original "top ten" priority recommended actions will be implemented soon. This is especially true for (re)development projects with stormwater management needs that are in close proximity to the Eagleville Brook corridor. This EIE states the initial recommendation of a bioretention installation on a portion of this NESB site will be deferred until a new Master Plan EIE is completed. DEEP, as a member of the Eagleville Brook Watershed Team, recommends the University incorporate some practical LID design elements and stormwater management treatment during the construction phase of this project, and not defer such action until a later date.

DEEP-3

DEEP further recommends the University continue to report on Eagleville Brook Impervious Cover TMDL implementation activities, as an element of tracking changes in impervious surface areas and their connections to the Eagleville Brook drainage system, through the CLEAR program.

DEEP-4

The EIE states that the additional laboratory wastewater streams will be managed in accordance with existing University protocols, which include compliance the DEEP *General Permit for Miscellaneous Discharges of Sewer Compatible Wastewater* (MISC). If the flow of wastewater from the laboratories is less than 1,000 gpd, the facility would not have to be registered under the MISC General Permit. Registration will be required if the flow equals or is greater than 1,000 gpd.

DEEP-5

The new building will be equipped with a diesel fueled emergency generator to replace the old smaller unit at the adjacent Student Health Services Building that will be displaced by construction. Based on the recent information submitted by Mr. Mark Bolduc, Environmental Compliance Analyst from UCONN, the emergency engine for the new engineering and science building will operate under Regulations of Connecticut State Agencies (RCSA) §22a-174-3b(e), "Permit by rule."

In discussing mitigation of air quality impacts, the document lists retrofitting non-road construction equipment, complying with existing regulations regarding exhaust and the idling regulation. As noted in our scoping comments, the Department typically encourages the use of newer off-road construction equipment that meets the latest EPA or California Air Resources Board (CARB) standards. If that newer equipment cannot be used, equipment with the best available controls on diesel emissions including retrofitting with diesel oxidation catalysts or particulate filters in addition to the use of ultra-low sulfur fuel would be the second choice that can be effective in reducing exhaust emissions. The use of newer equipment that meets EPA standards would obviate the need for retrofits.

DEEP-6

The Department also encourages the use of newer on-road vehicles that meet either the latest EPA or California Air Resources Board (CARB) standards for construction projects. These on-road vehicles include dump trucks, fuel delivery trucks and other vehicles typically found at construction sites. On-road vehicles older than the 2007-model year typically should be retrofitted with diesel oxidation catalysts or diesel particulate filters for projects. Again, the use of newer vehicles that meet EPA standards would eliminate the need for retrofits.

Additionally, Section 22a-174-18(b)(3)(C) of the RCSA limits the idling of mobile sources to 3 minutes. This regulation applies to most vehicles such as trucks and other diesel engine-powered vehicles commonly used on construction sites. Adhering to the regulation will reduce unnecessary idling at truck staging zones, delivery or truck dumping areas and further reduce on-road and construction equipment emissions. Use of posted signs indicating the three-minute idling limit is recommended. It should be noted that only DEEP can enforce Section 22a-174-18(b)(3)(C) of the RCSA. Therefore, it is recommended that the project sponsor include language similar to the anti-idling regulations in the contract specifications for construction in order to allow them to enforce idling restrictions at the project site without the involvement of the Department.

DEEP-7

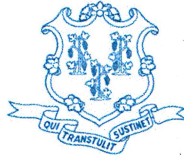
Thank you for the opportunity to review this proposal. If there are any questions concerning these comments, please contact me.

cc: Jeff Caiola, DEEP/IWRD
Corinne Fitting, DEEP/WPSD
Robert Hannon, DEEP/OPPD
Lidia Howard, DEEP/AEED
Rob Hust, DEEP/WPSD
Nisha Patel, DEEP/WPED
Ellen Pierce, DEEP/APSD
Peter Ploch, DEEP/WPED
Eric Thomas, DEEP/WPSD

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Jewel Mullen, M.D., M.P.H., M.P.A.
Commissioner



Dannel P. Malloy
Governor
Nancy Wyman
Lt. Governor

June 6, 2014

Jason Coite
UCONN—Office of Environmental Policy
31 LeDoyt Road, U-3055
Storrs, CT 06269

Re: Notice of Environmental Impact Evaluation (EIE) for the New Engineering and Science Building at the University of Connecticut

Dear Mr. Coite:

The Department of Public Health (DPH) Drinking Water Section (DWS) has reviewed the above Notice for the New Engineering and Science Building at the University of Connecticut, proposed to be located off of Glenbrook Road at the Storrs Campus. The new building will be a five-story, 108,000 gross square foot structure with a full basement and penthouse. The New Engineering and Science Building will serve the university staff and students, offering new laboratories and offices, classrooms, and meeting rooms. The New Engineering and Science Building is anticipated to tie into central utilities for all electrical, heating, and cooling needs. The DWS understands that the New Engineering and Science Building was originally planned to be built as a part of the UCONN 2000 initiative and it will also be receiving partial funding through Next Generation Connecticut (NextGenCT).

Based upon the information provided at the Public Scoping meeting held in March, UCONN is currently developing a Master Plan for NextGenCT that will be publicly vetted through the Connecticut Environmental Policy Act process of Scoping and Environmental Impact Evaluation development. However, UCONN anticipates the need for this building prior to completion of the Master Plan; therefore it is being noticed separately from the Master Plan.

The DWS offers the following comments for your consideration:

- The New Engineering and Science Building will not be located within a public water supply source water area; therefore the DWS has no source protection related comments to offer.
- As noted in the EIE, the timing of activation of the interconnection with the Connecticut Water Company (CWC) is critical to ensure an adequate supply of drinking water with a margin of safety during peak use periods. The DWS understands that CWC is currently on track to meet its schedule and is currently going through the environmental permitting

DPH-1



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Affirmative Action/Equal Opportunity Employer

process for numerous aspects of the interconnection. UCONN is encouraged to continue to coordinate with CWC on scheduling of the implementation of this interconnection.

DPH-1
Cont'd

- If CWC's progress is stalled and the interconnection is not available for use prior to the opening of the New Engineering and Science Building along with the Innovative Partnership Building (IPB) and the Science, Technology, Engineering and Math (STEM) Residence Hall, UCONN has proposed mitigation measures meant to accommodate maximum day demands. UCONN should provide additional documentation that demonstrates that these mitigation measures will achieve the goal of reliably meeting maximum day demands with the margin of safety as noted by the EIE. Specifically:

- UCONN should provide details of its efforts to date be able to use of Fenton Well D during low stream flow periods and the action items remaining. A schedule for achieving the action items and an estimate of the anticipated quantity of water that will be available under this scenario should be provided.
- The EIE indicates that UCONN may be able to meet maximum day demands by drawing "modestly" on its storage capacity. UCONN should quantify what is meant by "modestly" and indicate how this modest withdrawal will be replaced during low stream flow, high demand periods.
- In the DWS scoping comments, it was requested that the EIE explore the feasibility of using reclaimed water from the Reclaimed Water Facility for non-potable uses. The EIE indicates that reclaimed water will be used for toilet flushing at the New Engineering and Science Building, the IPB and the STEM Residence Hall; however the feasibility remains to be quantified. The DWS is concerned that peak use of reclaimed water for the Central Utility Plant could coincide with low sanitary sewerage flows, limiting the amount waste water available for reclamation and distribution. UCONN should provide estimates that indicate that the anticipated reclaimed water demand in the New Engineering and Science Building, the IPB and the STEM Residence Hall can be met year-round and especially under the noted scenario.

DPH-2

DPH-3

DPH-4

If you have any questions regarding these comments, you may contact me at (860)509-7333.

Sincerely,



Lori Mathieu
Public Health Section Chief
Drinking Water Section

Cc: Robert Miller, Eastern Highlands Health District
David Radka, Connecticut Water Company
Mandy Smith, DWS

and Housing Inspection.

- *On-Street Parking.* On street parking is monitored and enforced by Central Parking and the Resident Trooper in Storrs Center and by the Resident Trooper in other areas.
- *Commercial Parking.* As part of Storrs Center, the Town has created a parking collaborative that provides for enforcement of time limitations on both public and private property. Under this new collaborative, private lot owners have the ability to ticket vehicles in addition to having vehicles towed.

Lastly, it is imperative that the University instruct its construction contractors to use state roads, not local roads, to access the site to minimize the potential for disturbance in neighborhoods adjacent to campus.

M-3

- *Water Supply.* As the University is well aware, Mansfield has long been concerned with the impact of the Fenton River wellfield on the river and particularly since the events of 2005. We understand that the reference to using Well D intermittently is said in order to demonstrate that the University can meet Margin of Safety requirements on peak demand days and that actual use of Well D would not be needed unless the University's stored water supplies were unavailable. However, should the well need to be put into production during drought conditions, our concerns regarding impacts to streamflow remain. Accordingly, we offer the following comments:

- If the Connecticut Water Company interconnection has not been completed prior to the opening of this building, any use of Well D should be only with prior approval by CT DEEP. The University should provide DEEP with detailed operational plans that include ceasing use of the well if impacts to streamflow are identified during drought periods and the planned restrictions on water usage that would be implemented if well production was ceased.

M-4

- Streamflow monitoring stations should be installed in appropriate locations to ensure that use of Well D does not negatively impact streamflow. DEEP should be actively involved in monitoring streamflow when the well is in use during drought periods.

M-5

- The University should continue to promote water conservation through mandatory water usage restrictions during droughts, make improvements to facilities to reduce water consumption, connect additional buildings to the Reclaimed Water Facility and make operational changes.

M-6

- *Stormwater.* While the site is located within the Eagleville Brook watershed, we understand that site conditions make use of stormwater management techniques such as rain gardens difficult in this area. However, the University does have the opportunity to reduce effective impervious cover and stormwater runoff through the installation of a green roof on this new building. As such, we urge you to consider this option as part of the building design.

M-7

Additionally, given the importance of this issue, the University should prepare a stormwater master plan as part of the campus-wide master planning effort. The plan should emphasize the use of Low Impact Development (LID) stormwater management practices and reductions to effective impervious cover. These approaches should be used throughout campus and not only within the Eagleville Brook watershed.

M-8

**University of Connecticut
New Science and Engineering Building
EIE Record of Decision
Responses to Comments**

**Town of Mansfield (M)
May 28, 2014**

M-1 *Comment: We strongly encourage the University to implement the mitigation measures identified in the report prior to opening the building. Transportation Demand Management, expansion of public transportation options and decreasing resident students demand for cars can all serve to mitigate traffic as the University expands. Additionally, the University should periodically evaluate and reassess the effectiveness of these approaches and provide the Town with a report detailing the results.*

Response: The mitigation measures stated in the comment and in the EIE are on-going efforts by the University to reduce traffic demand on state and local roadways in and near the campus. These measures will continue regardless of the outcome of the NESB project and will be reviewed during the Master Planning process. These measures are described below.

UConn actively discourages resident students from bringing personal vehicles to campus. Only upper-class resident students with more than 54 academic credit hours may purchase parking permits. As a result, only 23% of on-campus residents bring their vehicles to campus. The on-campus resident student permit parking capacity has been reached. A wait-list has been established for those hoping for future accommodation.

Resident student parking permits do not provide access to parking that is conveniently located to most classroom spaces. For this reason, there is no logistical incentive for resident students to drive from their residences to class. The use of vehicles by resident students who bring their vehicles to campus is typically greatest after business hours, when few classes are held and traffic volume on the roadways is relatively low.

The first and second year residents assigned housing at the University will lack the earned academic credit hours needed to pre-qualify them for on-campus parking. The residential student parking demand will therefore be unchanged by the opening of the NESB.

The impact to parking, traffic as well as the construction project, will be periodically assessed throughout the project. The University will continue to pursue the following on-going, long-term efforts associated with transportation and parking, that will also help to avoid or mitigate any adverse impacts: 1) The aggressive promotion of campus-wide ride-share/carpooling programs, 2) The enhancement or increase of the available public transportation options both locally through the on-campus shuttle and commercial bus services and regionally through partnerships with other transit authorities, 3) The stringent enforcement of on-campus parking regulations to control and reduce on- and off-campus scofflaw parking.

M-2 *Comment: Given the extent of future expansion contemplated by NextGenCT, we restate our request that the campus-wide master plan currently being prepared include a comprehensive, multi-modal transportation plan for the build-out of the campus that considers impacts to the local transportation network, including off-campus improvements for vehicular, pedestrian, bike and transit circulation. Transportation initiatives should be designed to integrate with the Nash Zimmer Transportation Center at Storrs Center. This facility currently provides a central location for students, faculty and town residents to access University, WRTD and Peter Pan bus services. As noted above with regard to the mitigation measures proposed for this project, the transportation plan should also include performance measures and a framework for reporting and modifying approaches as needed.*

Response: As stated in the EIE, the Master Plan EIE will include an evaluation of impacts on and off-campus that are directly or indirectly the result of the NextGEN projects. These impacts will be evaluated for all modes of transportation that currently service the University including the Nash Zimmer Transportation Center. An emphasis of the Master Plan will be to evaluate means of reducing traffic and parking demand at the University through the maximization of transit ridership.

M-3 *Comment: Lastly, it is imperative that the University instruct its construction contractors to use state roads, not local roads, to access the site to minimize the potential for disturbance in neighborhoods adjacent to campus.*

Response: Construction vehicle access to the site will be stipulated in the Construction Specification documents. Within the Town of Mansfield, construction vehicles will be required to use only State or institutional roads. The vast majority of construction workers will be required to be on their work site by 7:00 a.m. each morning. The majority of the construction team members will depart the campus between the hours of 3:00 p.m. and 4:00 p.m. each weekday afternoon. The resulting travel patterns will fall before both the morning and evening peak commute periods. For these reasons, parking and transportation mitigation plans have not been proposed for immediate implementation. In addition, the feasibility of requiring the construction team to park on the Depot Campus and to use a University-provided shuttle service to reach their construction site is also under review.

M-4 *Comment: If the Connecticut Water Company interconnection has not been completed prior to the opening of this building, any use of Well D should be only with prior approval by CT DEEP. The University should provide DEEP with detailed operational plans that include ceasing use of the well if impacts to streamflow are identified during drought periods and the planned restrictions on water usage that would be implemented if well production was ceased.*

Response: The University anticipates submitting a proposed plan to DEEP for the use of Well D during low-flow periods no later than August 2014. The University will seek approval for use of Well D as outlined in the Water Supply Plan, and will work with DEEP to develop a well management plan that includes river monitoring. The plan will

provide guidance for well production that guards against adverse impacts to the river streamflow. The plan will be based on field data, and the data will inform a long term management strategy including permissible pump rates, frequency of use, and rest periods.

M-5 *Comment: Streamflow monitoring stations should be installed in appropriate locations to ensure that use of Well D does not negatively impact streamflow. DEEP should be actively involved in monitoring streamflow when the well is in use during drought periods.*

Response: As requested by DEEP, the University will provide a detailed plan for monitoring streamflow at locations to be determined to better define the streamflow gain of the river, as well as a plan for monitoring ground water levels in the vicinities of Well D and the river to assess and the river's response to pumping. The plan will also identify the usage patterns for discontinuing use or resting Well D, since it is dependent upon streamflow, weather and other considerations. The University expects to provide monitoring data collected in connection with the use of Well D during low flow periods to the DEEP at least on a weekly basis or as otherwise requested by DEEP.

M-6 *Comment: The University should continue to promote water conservation through mandatory water usage restrictions during droughts, make improvements to facilities to reduce water consumption, connect additional buildings to the Reclaimed Water Facility and make operational changes.*

Response: The University is committed to adhering to its Wellfield Management Plan and Water Conservation Plan which include requesting voluntary and requiring mandatory water conservation in response to low streamflow triggers. As stated in the EIE, the NESB will make use of reclaimed water for toilet flushing which will significantly reduce water demand of the NESB. The University is also committed to using reclaimed water for the cooling towers associated with the Innovation Partnership Building (IPB) and for cooling towers and toilet flushing at the STEM Residence Hall.

In addition, the University is committed to mitigating shortfall in peak day water demands that are projected to occur if the Connecticut Water Company connection is not finalized as scheduled. The University will identify and implement new water saving and conservation measures prior to August 2016. These measures will reduce on campus water consumption by accelerating ongoing water conservation efforts and replacing older, existing fixtures so that the overall reduction would offset the approximately 53,400 gpd average day demand expected to be attributable to the opening of the three new buildings.

M-7 *Comment: While the site is located within the Eagleville Brook watershed, we understand that site conditions make use of stormwater management techniques such as rain gardens difficult in this area. However, the University does have the opportunity to reduce effective impervious cover and stormwater runoff through the installation of a green roof on this new building. As such, we urge you to consider this option as part of the building design.*

M-7 *Response:* In response to comments received from the Town of Mansfield, the WRA, and others, the University has developed additional strategies that will effectively disconnect a significantly larger portion of the project's impervious cover than what had been proposed in the NESB's original project description. Since the date of publication of the EIE, the project architect and landscape architect have proposed three conceptual low impact development (LID) /green infrastructure (GI) strategies to address stormwater runoff from the NESB site. The application of pervious concrete and/or pavers will be dependent on appropriate soils and the engineering of an appropriate subsurface medium. In addition, a green roof would be added to a portion of the NESB roof, with the remainder being considered for photovoltaic applications to further improve sustainability onsite. The total amount of treated or disconnected Impervious Cover (IC) for these strategies would be at least 11,000 SF (which is in addition to the 3,000 SF of IC reduction for the NESB project stated in the EIE). The requisite Flood Management Certificate application to DEEP for this project will include documentation referencing the use the *Guidance Document and Checklist for Low Impact Development Best Management Practices for UConn*, developed by the UConn CLEAR program staff as part of the Response Plan for the Eagleville Brook Impervious Cover TMDL.

In addition, the University affirms that it will maintain its stormwater infrastructure and LID/GI elements in accordance with industry standards and best management practices, including but not limited to regular inspections and cleanings of catch basins and proprietary stormwater devices (such as swirl concentrators) and porous pavements, as well as weeding, pruning, and mulching of rain gardens, bioretention swales, and vegetated roofs, all in a manner consistent with current appropriations.

M-8 *Comment: Additionally, given the importance of this issue, the University should prepare a stormwater master plan as part of the campus-wide master planning effort. The plan should emphasize the use of Low Impact Development (LID) stormwater management practices and reductions to effective impervious cover. These approaches should be used throughout campus and not only within the Eagleville Brook watershed.*

M-8 *Response:* The University will consider the impact of the NextGen program on stormwater utilities and water quality within Eagleville Brook, Roberts Brook and other receiving waters as part of its Master Plan process. During the master plan, the feasibility of LID and stormwater BMPs will be examined on a conceptual scale in order to reduce the quantity and improve quality to the above mentioned waters. Then as the Master Plan

projects are designed, these conceptual plans will be designed and constructed either as part of the individual projects or as separate stormwater improvements.

M-9 Comment: *All new lighting installed as part of this project should be Dark Sky compliant with full shield cutoffs to reduce light pollution.*

M-9 Response: New lighting for the project will incorporate measures to reduce light pollution trespass and skyglow. The University's *Campus Sustainable Design Guidelines* cite a goal of providing site lighting that is sensitive to light pollution of the night sky and minimizes impacts on nocturnal environments. Listed strategies in this plan include the following (as cited from the Guidelines):

- Meet the light levels and uniformity ratios recommended by the Illuminating Engineering Society of North America (IESNA) Recommended Practice Manual: Lighting for Exterior Environments.²
- Design exterior light fixtures with shielding to prevent light spillage to the night sky per the following standards:
 - Exterior fixtures with output greater than 3500 lumens shall be Full Cutoff.
 - Exterior fixtures with output less than 3500 lumens shall be Cutoff or Full Cutoff.
 - Locate, aim, and shield all exterior light fixtures to minimize light trespass across campus boundaries.

The *University of Connecticut at Storrs Landscape Master Plan and Design Guidelines* also provide guidance relative to standardized exterior fixture selection.

Finally, since the building will be pursuing LEED certification, additional requirements relative to lighting will need to be followed to meet that certification as well.

M-10 Comment: *Correct second to last sentence of first paragraph under Existing Conditions to remove reference to Dairy Mart and specify property address as the location instead of business names as businesses change over time.*

M-10 Response: Comment noted. The property henceforth will be referred to by its address (125 North Eagleville Road).

M-11 Comment: *Replace the language in the third paragraph related to Mansfield fire services with the paragraph contained in the EIE for the STEM Residence Hall. The information contained in this document is outdated and incorrect; Mansfield no longer has three separate volunteer fire departments.*

M-11 Response: Comment noted.

Willimantic River Alliance, Inc. (WRA)
May 29, 2014

WRA-1 Comment: *“The Willimantic River Alliance (WRA) is concerned that the plans for the proposed New Engineering and Science Building (NESB), as described in the Environmental Impact Evaluation (EIE), do not currently include adequate measures for preventing further degradation to Eagleville Brook, the impaired water body that flows from the UCONN campus in Storrs to the Willimantic River. The EIE for the NESB states that no new surface or groundwater improvements or actions are proposed, since no mitigation measures are warranted. The current infrastructure of catch basins and yard drains are proposed to be used for this new building, directing stormwater runoff to be piped directly into Eagleville Brook, which flows through a large underground culvert beneath the site. Indeed, all the buildings around this quadrangle and in this section of campus dispose of roof runoff and stormwater runoff from paved surfaces in this manner. These do not adequately filter the dirt, sand, salt, oil, grease, or urban debris washed off the impervious cover of the paved portions of campus; the grime of the urban campus is piped directly into the brook. This impervious cover (IC) is why Eagleville Brook has impaired water quality, cannot support aquatic life, and is the subject of a TMDL (Total Maximum Daily Load) calculation and a watershed management plan.”*

WRA-1 Response: The NESB EIE proposed a net decrease in IC of approximately 3,000 SF which was in keeping with the goal of removing IC in the Eagleville Brook watershed. However, in response to comments received from the Town of Mansfield, the WRA, and others, the University has developed additional strategies that will effectively disconnect a significantly larger portion of the project’s impervious cover than what had been proposed in the NESB’s original project description. Since the date of the EIE, the Design Team for the Project has continued their design and proposed additional conceptual LID/GI concepts for the NESB site: a green roof and porous concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion.

The University, separate from this project, is continuing to follow the Eagleville Brook Watershed Management Plan through the use of LID projects and retrofits within the watershed (see response to WRA-3 below).

WRA-2 Comment: *“The NESB EIE Executive Summary says that before the building is scheduled to be complete, the University's Master Plan & EIE will have been completed and that this project will be reviewed for its impacts and mitigation opportunities for “conceptual” stormwater management techniques such as bio-infiltration, green roofs, permeable or porous pavements, cistern collection and treatment. That will be too little and too late. Stormwater planning needs to be done now, as soon as possible, particularly since the Design Team says that opportunities for infiltration could be limited in this area.*

The current campus stormwater management plan has not yet been updated to include the NESB and other new STEM program buildings being planned. The campus master plan is

currently being updated and the consultants acknowledge that stormwater management is one of the 'Challenges' to future campus development. New building projects on the Storrs Campus are on hold until these plans are completed, then one EIE for all new buildings is envisioned to be submitted, instead of preparing an EIE for each new major structure. The NESB and the new STEM Residence Hall projects, however, are going forward in advance of the completed master plan, since they are critical to accommodate the anticipated additional STEM students and faculty.

WRA does acknowledge that previous campus plans have envisioned such uses at the locations now under consideration, and the need to expedite these two buildings, in advance of the campus master plan being completed, may be warranted.

The EIE for the STEM Residence Hall, however, includes stormwater and Low Impact Development (LID) improvements while the EIE for the NESB states that no surface or groundwater mitigation measures are warranted, and that stormwater management plans and LID actions for this building be developed after the campus master and stormwater management plans are completed.

The Willimantic River Alliance disagrees with the NESB EIE, and recommends that the stormwater runoff management plans for the NESB site and adjacent areas be expedited so that stormwater and LID Best Management Practices (BMP) can be included in the pre-construction plans for the NESB. Plans for the new pedestrian quadrangle also need to be developed at the same time, since it will undoubtedly host the measures for the NESB, as well as the retrofits needed to disconnect runoff from the adjacent Chemistry, Pathobiology and Pharmacy buildings around the planned 'new' pedestrian quadrangle. While the renovation of the quadrangle is not be a part of this NESB project, consideration needs to be given and preliminary plans made to place stormwater management improvements in and under the quadrangle space in the future, not only for the NESB building, but for the other buildings around the quadrangle.”

WRA-2 Response: The STEM Residence Hall, a separate project being considered under its own CEPA review, will result in an increase in impervious cover. As a result, mitigation to control runoff and prevent an increase in peak flow rates and total runoff volume for the STEM site were necessary to offset any potential negative impacts related to the increase in impervious cover for that project. The NESB project as proposed in the EIE would result in a decrease in impervious cover. Hence, mitigation to control runoff and prevent an increase in peak flow rates was not presented in the EIE.

However, since the date of the EIE, the Design Team for the Project has continued their design and proposed additional conceptual LID/GI concepts for the NESB site: a green roof and porous concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion.

WRA-3 Comment: *“The University has planned for and constructed a number of LID projects throughout the campus, which serve to disconnect and/or filter the stormwater runoff from the buildings and pavement before it enters the natural streams which drain water from*

the campus to the Willimantic and Fenton Rivers. Some of these projects are quite a distance from Eagleville Brook. The NESB project site is directly above this brook, which is channeled in an underground culvert. Measures put in place on this site will have more direct impact on improving the water quality of the brook, need to be planned now, and cannot wait for the update of the other plans. WRA recommends that the stormwater plans for this section of the campus be expedited, in order to go forward with the NESB project. At a minimum, raised and filtered catch basins need to replace the existing infrastructure for the entire NESB site. If not, then the NESB project should be put on hold until the campus plans are all completed, just like the other projects on campus. The appropriate stormwater and LID projects can then be planned and financed to accommodate this new building in the more distant future.”

WRA-3 Response: The University has constructed multiple LID projects on the Storrs Campus within the Eagleville Brook watershed as part of new development and as retrofits for existing development on campus. Several of these are in close proximity to the NESB, including rain gardens at Towers Residence Halls, vegetated roofs on portions of the Gant Science Complex Plaza and the recent Storrs Hall addition, and pavers/porous pavement at the Lakeside Building, the Field House, Storrs Hall, and Towers. Documentation of many of the implemented projects is available on the following website: <http://clear.uconn.edu/projects/TMDL/progress/index.htm>.

The NESB project presents a net benefit for stormwater, by reducing impervious cover on the limited site area through building design and also through the use of LID in the form of a green roof and porous concrete/pavers. Please see the response to comment M-7 for a more complete discussion.

WRA-4 Comment: *“The University has adopted a Sustainable Design & Construction Policy, LEED standards, guidelines for sustainable design and low impact development goals. These need to be fully applied to the stormwater runoff 'challenges' of the NESB site, the adjacent 'new' pedestrian quadrangle, and to retrofit the stormwater runoff from buildings surrounding the quadrangle which contribute to the degradation of water quality in Eagleville Brook and thus the Willimantic River.”*

WRA-4 Response: The Campus Sustainable Design Guidelines have been applied by the University to the NESB project. The Guidelines indicate that the University will select strategies from the Guidelines for incorporation into projects if “the University determines that those strategies are prudent and feasible given the unique site and building characteristics.” The Guidelines list a goal of reducing stormwater runoff impacts to water resources relative to stormwater quantity and quality from development projects. Several strategies cited to achieve this goal, as presented in the Guidelines, were considered and have been incorporated into the design for the project. Since the date of the EIE, the Design Team for the Project has continued their design and proposed additional conceptual LID/GI concepts for the NESB site: a green roof and porous concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion.

Meg Reich, President of the Willimantic River Alliance, Inc. (WRA-ORAL)
Oral Comments Provide at the Public Hearing on May 29, 2014

WRA-ORAL-1 Comment: *“And also because last week I took a walk around the central warehouse and in the area that is the existing quadrangle between the old central warehouse, which still exists, and the chemistry building, pathobiology building and pharmacy building, and I looked at each of the catch basins and yard drains and was surprised, even though it’s May, that they haven’t been cleaned out. And while they’re not clogged up with sand and gravel and salt and dirt from the area, they definitely need to be cleaned out.”*

WRA-ORAL-1 Response: The University affirms that it will maintain its stormwater infrastructure and LID/GI elements in accordance with industry standards and best management practices, including but not limited to regular inspections and cleanings of catch basins and proprietary stormwater devices (such as swirl concentrators) and porous pavements, as well as weeding, pruning, and mulching of rain gardens, bioretention swales, and vegetated roofs, all in a manner consistent with current appropriations.

WRA-ORAL-2 Comment: *“And the storm drains that are there are pretty normal for the installation of when they probably were put in, in the 1950’s, maybe in the 40’s. And with improvements over time similar kinds of structures have been put in, but they’re not up to speed and they don’t’ serve the purpose of filtering the stormwater and the runoff of the impervious cover. They don’t – they may catch some sand and gravel, but they certainly do not filter out the urban oils and solvents and grease and salt and the – some of the finds of the eroding pedestrian quadrangle that exists there now. And so, the Willimantic River Alliance is concerned that the proposed stormwater management plans, as detailed in the EIE document for the new Engineering and Science Building do not adequately prevent further degradation of Eagleville Brook.”*

WRA-ORAL-2 Response: Since the date of the EIE, the Design Team for the Project has continued their design and proposed additional conceptual LID/GI concepts for the NESB site: a green roof and porous concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion.

WRA-ORAL-3 Comment: *“The EIE states and the presentation just made indicates that no new surface or groundwater improvements or actions are proposed since no mitigation measures are warranted. We don’t feel that’s the case. We feel new mitigation measures are warranted.”*

WRA-ORAL-3 Response: Since the date of the EIE, the Design Team for the Project has continued their design and proposed additional conceptual LID/GI concepts for the NESB site: a green roof and porous concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion. .

WRA-ORAL-4 Comment: *“The executive summary of the EIE says that before the building is scheduled to be complete, the University’s Master Plan and Environmental Impact Evaluation will have been completed and this project will be reviewed for its impacts and mitigation opportunities for “conceptual stormwater management techniques”, such as bio-infiltration, green roofs, permeable or porous pavements, cisterns collection and treatment. Well, we think that that will be too little too late. The stormwater planning needs to be done now, as soon as possible, particularly since the design team, on page 42 of the EIE document, says that opportunities for infiltration could be limited in this site. And indeed, since we learned that part of the pharmacy building has underground rooms and with all the utilities and other structures that are under the existing quadrangle among the existing buildings, yeah, there probably isn’t much room for infiltration.”*

WRA-ORAL-4 Response: Since the date of the EIE, the Design Team for the Project has continued their design and proposed additional conceptual LID/GI concepts for the NESB site: a green roof and porous concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion.

With respect to the quadrangle adjacent to the NESB and the surrounding area, opportunities for stormwater improvements will be evaluated as part of the master planning currently underway. Please see the response to comment M-8 for a more complete discussion. .

WRA-ORAL-5 Comment: *“But the EIE for the STEM Residence Hall includes stormwater and low impact development improvements, while the EIE for the new Engineering and Science building states that no surface and groundwater mitigations are warranted, and that the stormwater management plans and low impact development actions for this building be developed after the Campus Master and Stormwater Management Plans are completed. We disagree with this, and we recommend that the stormwater runoff management plans for the Engineering and Science building, as well as the site and for adjacent areas, be expedited so that stormwater and low impact development best management practices can be included in the pre-construction plans for this building.*

We also think that plans for the new pedestrian quadrangle that’s proposed here, but is not proposed to be funded in this project, need to be developed, at least in schematic form, very

preliminary form, at the same time, since the new quadrangle will undoubtedly host the measures that are going to be needed for this new building, as well as the retrofits needed to disconnect the runoff from the adjacent chemistry pathobiology and pharmacy buildings around this planned new pedestrian quadrangle.”

WRA-ORAL-5 Response: With respect to the STEM Residence Hall, please see the response to comment WRA-2. With respect to stormwater management at the Engineering and Science Building, please see the response to comment M-7. With respect to the quadrangle adjacent to the NESB and the surrounding area, opportunities for stormwater improvements will be evaluated as part of the master planning currently underway. Please see the response to comment M-8 for a more complete discussion.

WRA-ORAL-6 Comment: *“While the renovation of the quadrangle, as I mentioned, is not part of this project, consideration needs to be given at this time and preliminary plans made to place stormwater management improvements in and under the quadrangle space in the future, not only for this building, but for all those other buildings. It’s no longer appropriate to continue to direct unfiltered, hot dirty, urban stormwater runoff from this building, or the adjacent buildings or any of the buildings that flow stormwater into Eagleville Brook.”*

WRA-ORAL-6 Response: With respect to the quadrangle adjacent to the NESB and the surrounding area, opportunities for stormwater improvements will be evaluated as part of the master planning currently underway. Please see the response to comment M-8 for a more complete discussion.

WRA-ORAL-7 Comment: *“And as I mentioned, the existing catch basins and yard drains are not up to snuff with current standards or with the TMDL Plan, the Watershed Management Plan or any other things.”*

WRA-ORAL-7 Response: Please see the response to comment WRA-ORAL-1.

WRA-ORAL-8 Comment: *“This building, and its site, is directly above, or within inches of the culverted brook. And measures put in place on this site will have more direct impact on improving the water quality of the brook since it’s so adjacent to the brook – directly adjacent to it that it needs to be planned now, and it cannot wait for the update of other plans.”*

WRA-ORAL-8 Response: For clarification, the NESB is separated from a piped, underground segment of the brook by a passive grassed and walk lined quadrangle area; stormwater from the site does currently discharge to the brook, as discussed in the EIE.

Since the date of the EIE, the Design Team for the Project has continued their design and proposed additional conceptual LID/GI concepts for the NESB site: a green roof and porous

concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion.

WRA-ORAL-9 Comment: *“So, we recommend that the stormwater plans for this section of the campus be expedited in order to go forward with this project. At a minimum we suggest raised and/or filtered catch basins to replace the existing infrastructure for the entire new Engineering and Science building site. If not, then this project should be put on hold until the campus plans are all completed, just like the other projects on campus. The appropriate stormwater and low impact development projects can then be planned and financed to accommodate this new building in the more distant future.”*

WRA-ORAL-9 Response: With respect to the quadrangle adjacent to the NESB and the surrounding area, opportunities for stormwater improvements will be evaluated as part of the master planning currently underway; please see the response to comment M-8 for a more complete discussion. With respect to the existing infrastructure, please see the response to comment WRS-ORAL-1. With respect to the low impact development incorporated into the NESB design, please see the response to comment M-7...

WRA-ORAL-10 Comment: *“The University has adopted a sustainable design and construction policy – LEED standards, and it’s seeking LEED certification for this building – and guidelines for sustainable design and low impact development goals, and these need to be fully applied to the stormwater runoff challenges of this building and its site and for the adjacent new pedestrian quadrangle and to retrofit the stormwater runoff from building surrounding the quadrangle which contribute to the degradation of water quality in Eagleville Brook and thus the Willimantic River.”*

WRA-ORAL-10 Response: Please see the response to comment WRA-4.

Steven Squires (SS)

Oral Comments Provide at the Public Hearing on May 29, 2014

SS-1 Comment: *“Those at least look like a beautiful campus atmosphere in the inner campus of the University. I don’t see it happening. I see every empty grass swatch being built upon. This University has the disease of a growth model called sustainability, and it’s a hoax.”*

SS-1 Response: The NESB project is being built upon a site which already is developed with an existing building and will result in a reduction in impervious area on the site and an increase in the amount of green space within the Research Neighborhood portion of the campus. The proposed project will seek LEED certification, a benchmark measure of the University’s commitment to sustainability. Also, please see the response for WRA-4 relative to sustainability.

Connecticut Department of Public Health (DPH)
June 6, 2014

DPH-1 Comment: *“As noted in the EIE, the timing of activation of the interconnection with the Connecticut Water Company (CWC) is critical to ensure an adequate supply of drinking water with a margin of safety during peak use periods. The DWS understands that CWC is currently on track to meet its schedule and is currently going through the environmental permitting process for numerous aspects of the interconnection. UCONN is encouraged to continue to coordinate with CWC on scheduling of the implementation of this interconnection.”*

DPH-1 Response: As stated in the comment letter, the interconnection permitting is in process. The *Permit Application Form for Inland Water Resources Division Activities* for the transfer water from one water supply distribution system to another (e.g., the Diversion Permit) was submitted to DEEP in April 2014. The University will continue to coordinate with the CWC, the Town of Mansfield, and the appropriate agencies relative to the implementation schedule.

DPH-2 Comment: *“UCONN should provide details of its efforts to date be able to use of Fenton Well D during low stream flow periods and the action items remaining. A schedule for achieving the action items and an estimate of the anticipated quantity of water that will be available under this scenario should be provided.”*

DPH-2 Response: The University has initiated discussions with DEEP about the use of the Fenton Well D and will seek approval for use of Well D during low flow periods as outlined in the Water Supply Plan. The proposal to use Well D during periods of low streamflow, which will include provisions to monitor streamflow in the vicinity of Well D and will provide guidance for well production that guards against adverse impacts to the river, is expected to be submitted for DEEP approval in August 2014. The University will provide regular updates DPH regarding the proposed use of Well D. The University's Water Supply Plan approved by DPH on March 25, 2014, estimates on the basis of modeling and field data that Well D can support up to 0.35 MGD. It is anticipated that the operating plan to be submitted to DEEP will dictate that initial pumping during low flow would have to incrementally increase up to 0.35 MGD. .

DPH-3 Comment: *“The EIE indicates that UCONN may be able to meet maximum day demands by drawing “modestly” on its storage capacity. UCONN should quantify what is meant by “modestly” and indicate how this modest withdrawal will be replaced during low stream flow, high demand periods.”*

DPH-3 Response: The new water demand attributable to the three new projects, the STEM Residence Hall, New Engineering Science Building and Innovative Partnership Building, is 53,400 gpd average day demand and 77,000 gpd peak day demand. The EIE references the possible need for withdrawals from the University’s 6.5 million gallons of storage to manage peak day demand. The average daily demand, if necessary, that is anticipated to be approximately 100,000 gpd on peak days, including 77,000 gpd to address new peak day demands created by the STEM Residence Hall, New Engineering Science Building and Innovative Partnership Building prior to the Connecticut Water Company connection being completed, and if the Fenton Wellfield is unavailable due to low streamflow conditions. Those storage tanks are replenished from wellfields consistent with the University’s Wellfield Management and Water Supply Plans.

DPH-4 Comment: *“In the DWS scoping comments, it was requested that the EIE explore the feasibility of using reclaimed water from the Reclaimed Water Facility for non-potable uses. The EIE indicates that reclaimed water will be used for toilet flushing at the New Engineering and Science Building, the IPB and the STEM Residence Hall; however the feasibility remains to be quantified. The DWS is concerned that peak use of reclaimed water for the Central Utility Plant could coincide with low sanitary sewerage flows, limiting the amount waste water available for reclamation and distribution. UCONN should provide estimates that indicate that the anticipated reclaimed water demand in the New Engineering and Science Building, the IPB and the STEM Residence Hall can be met year-round and especially under the noted scenario.”*

DPH-4 Response: The new Science Building will make use of reclaimed water for toilet flushing, the Innovation Partnership Building (IPB) will use reclaimed water for its cooling towers, and the STEM Residence Hall will use reclaimed water for both toilet flushing and its cooling towers. The Reclaimed Water Facility can produce up to 1 MGD, which DPH noted is dependent on sufficient Water Pollution Control Facility (WPCF) effluent being produced.

Based upon information collected over the period May 2013 – May 2014, reclaimed water flows and peak demand for cooling from the existing CUP and the proposed STEM Residence Hall, New Engineering Science Building, and Innovative Partnership Building, the greatest potential for shortfall would occur in the summer months. The greatest potential for shortfall would occur in the summer months. A very conservative estimate of the shortfall can be made by examining the low flow from the WPCF and using the peak reclaimed water usage which would assume maximum cooling in all the buildings connected to reclaimed water facility. For summer (June-August) 2014, the minimum WPCF flow was 532,000 gpd. Assuming 50% of that flow is available for reclaimed water, 266,000 gpd would be available for reclaimed water use. Assuming all buildings operating at a maximum usage for reclaimed water (~615,000 gpd), a potential shortfall of 349,000 gpd could occur.

This estimate is overly conservative in that peak building reclaimed water usage (cooling and toilet flushing) will not be occurring if buildings are not occupied and wastewater flows are not being generated, i.e., UConn will not be fully cooling unoccupied buildings. Note that the spring semester ends in early May and the Fall Semester begins the last week of August, so residence halls occupancy is substantially reduced during the June-August time period. However, there is the possibility for a more moderate shortfall; for example, assuming cooling at 25% of maximum capacity at the UConn buildings, the potential shortfall could more reasonably be on the order of 110,000 gpd.

Because such shortfalls were anticipated in the planning of the reclaimed water facility, the University has a 1 million gallon storage tank which is maintained for that reason and which can be drawn upon during times of need to meet demands. The storage tank is replenished when excess reclaimed water is available from the reclaimed water facility.

In addition, the University will continue to implement a program that aims at reducing its heating/cooling and electrical demands, especially during the summer/winter recess periods, including lowering/raising thermostats during periods of non-use on a campus-wide basis, a method which will be easier to introduce in newer and renovated buildings with more sophisticated control systems. Lastly, it should be noted the estimates provided are based on thirteen months' worth of historic reclaimed water generation. As new buildings contribute flows to the Water Pollution Control Facility, the amount of available grey water increases up to the Water Reclamation Facility capacity of 1 MGD.

Connecticut Department of Energy & Environmental Protection (DEEP)
June 6, 2014

DEEP-1 Comment: *“As discussed in the EIE, the site is mapped as a 100-year flood zone on the Flood Insurance Rate Map despite the undergrounding of Eagleville Brook sometime prior to 1951. The application for Flood Management Certification should include a demonstration that the underground 48” pipe has the capacity to convey the 100-year flood flow. In addition, groundwater is proposed to be directed away from the proposed building’s foundation and discharged to the stormwater system, which flows into the piped brook. The application should also demonstrate that the pipe has the capacity to convey this additional flow, which is judged to be nominal in the document, during the 100-year event.”*

DEEP-1 Response: The most recent Flood Insurance Study (FIS) conducted by FEMA for the project area was completed in 1980. The FIS (FEMA, 1980) indicates that Eagleville Brook was studied by approximate methods only:

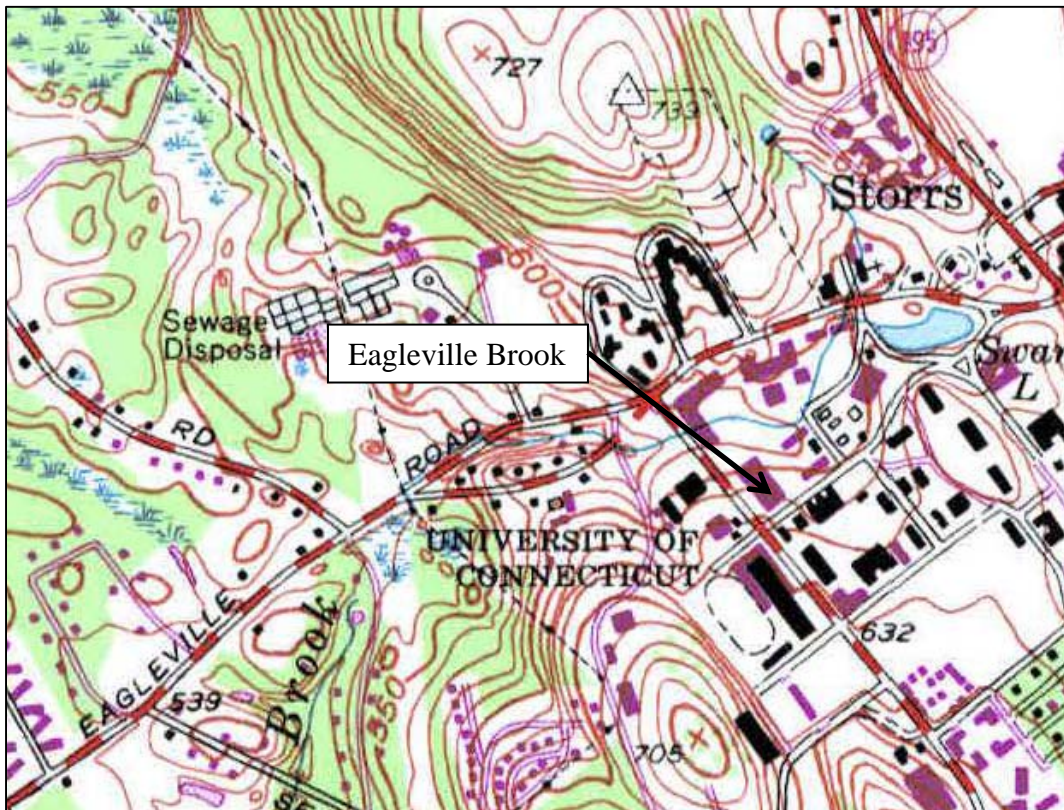
“The streams studied in detail were the Natchaug River from the downstream corporate limit to Hollow Dam; the Willimantic River from the downstream corporate limits, the limit of flooding affecting the community (a point about 6,350 feet downstream from Cider Mill Road) to the upstream corporate limits; Mouth Hope River from its mouth to the upstream corporate limit; and Conantville Brook from its downstream corporate limit to Pleasant Valley Road. Streams studied by approximate methods were the Fenton River, Fishers Brook, Eagleville Brook, Cedar Swamp Brook, Nelson Brook and Sawmill Brook.”

The FIS also states that “The hydrologic analyses were carried out for the approximate studies using the USGS Regional Analysis, using the parameters of the drainage basin, topographic maps and normal depth computations”. The most recent USGS topographic mapping available at the time of the study was dated 1970. This map shows the portion of Eagleville Brook which is now piped underground through a 48-inch diameter culvert before daylighting to the west of the Site, as discussed in the EIE, as a perennial stream.

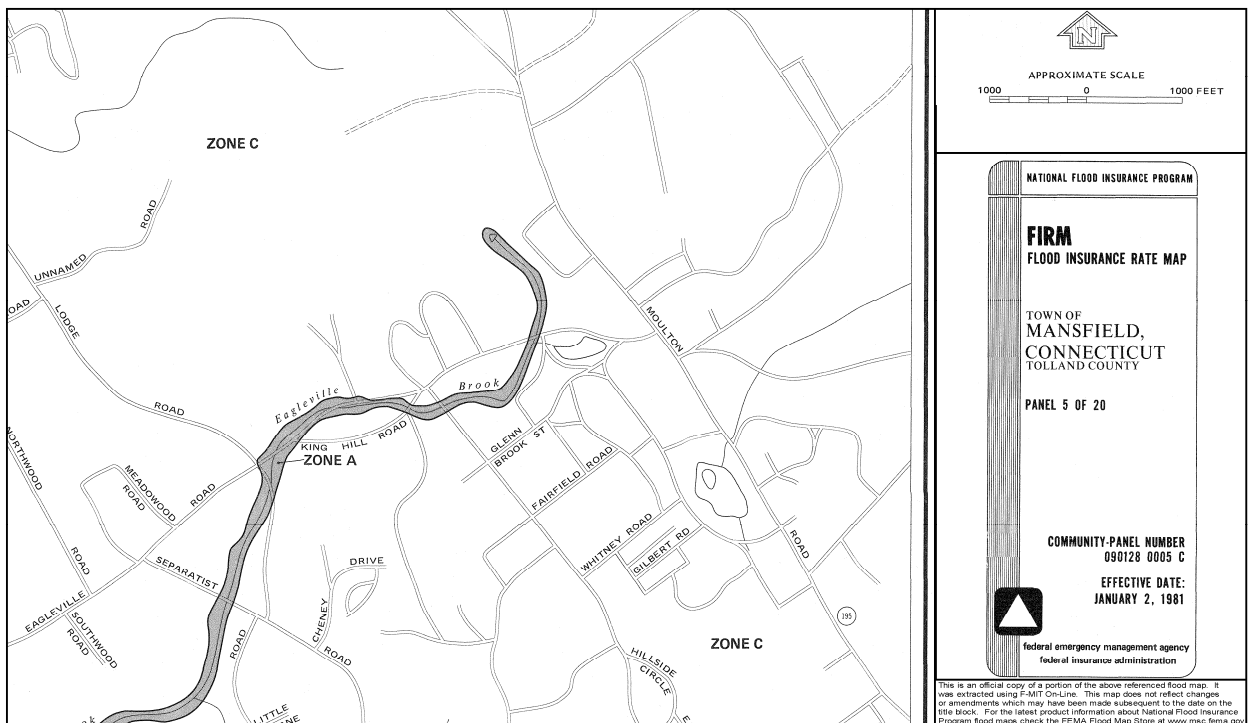
The 1983 USGS topographic map, which was produced after the FEMA study, was also reviewed; one can see that the culverted portion of the stream is no longer evident as a surface watercourse on the newer USGS map. Several historic aerial photos were also reviewed for the campus. Interestingly, the photos indicate that this portion of the stream was culverted sometime between 1941 and 1951, but this was not reflected in the USGS mapping until 1983.

As such, the FEMA FIS does not accurately reflect current conditions on the site, nor does it accurately reflect conditions which were present on the site at the time the FIS was prepared.

Regardless, since a Letter of Map Amendment or Letter of Map Revision has not been approved to date for the site, a FMC will be prepared for the project. As requested, the FMC application for the project will include an analysis of the capacity of the 48-inch culvert to convey the 100-year flood event, as well as the nominal additional groundwater flow from the NESB foundations.



U.S.G.S. Quadrangle Map, 1970



FEMA Flood Insurance Rate Map, 1980

DEEP-2 Comment: *“The Department suggests that reconsideration be given to including LID techniques as integral components of the building design, as opposed to subsequent retrofitting. As noted in our scoping comments, having construction equipment on-site for the building would, at a minimum, eliminate mobilization costs for installing LID measures. Incorporating LID techniques during project design would also allow a wider range of options to be considered. DEEP recommends reconsideration of the stormwater management system during final design of the NESB, to include review of a fuller suite of stormwater practices including infiltration, bioretention, evapo-transpiration, extended detention, and rainwater harvesting and reuse options. If the University demonstrates the inability to incorporate such suite of practices into this project, then this should be addressed in the University’s Master Planning EIE.”*

DEEP-2 Response: Since the date of the EIE, the Design Team for the Project has continued their design and proposed three conceptual LID/GI concepts for the NESB site: a green roof and porous concrete/pavers for walkways. Please see the response to comment M-7 for a more complete discussion.

DEEP-3 Comment: *“This EIE states the initial recommendation of a bioretention installation on a portion of this NESB site will be deferred until a new Master Plan EIE is completed. DEEP, as a member of the Eagleville Brook Watershed Team, recommends the University incorporate some practical LID design elements and stormwater management treatment during the construction phase of this project, and not defer such action until a later date.”*

DEEP-3 Response: Please see responses to comments DEEP-2 and M-7 for details on LID/GI proposed for the NESB Project.

DEEP-4 Comment: *“DEEP further recommends the University continue to report on Eagleville Brook Impervious Cover TMDL implementation activities, as an element of tracking changes in impervious surface areas and their connections to the Eagleville Brook drainage system, through the CLEAR program.”*

DEEP-4 Response: The University will continue to report to DEEP on TMDL implementation activities. NEMO/CLEAR assessments will continue to be forwarded to DEEP and the University will continue to participate in regular meetings as part of the Eagleville Brook Watershed Committee with NEMO and DEEP, where implementation activities are communicated to DEEP’s watershed coordinator.

DEEP-5 Comment: *“The EIE states that the additional laboratory wastewater streams will be managed in accordance with existing University protocols, which include compliance the DEEP General Permit for Miscellaneous Discharges of Sewer Compatible Wastewater (MISC). If the flow of wastewater from the laboratories is less than 1,000 gpd, the facility*

would not have to be registered under the MISC General Permit. Registration will be required if the flow equals or is greater than 1,000 gpd.”

DEEP-5 Response: Total wastewater flow from the laboratories is expected to be approximately 2,500 gpd, necessitating that NESB be registered for the MISC General Permit prior to initiating discharge from the labs.

DEEP-6 Comment: *“In discussing mitigation of air quality impacts, the document lists retrofitting non-road construction equipment, complying with existing regulations regarding exhaust and the idling regulation. As noted in our scoping comments, the Department typically encourages the use of newer off-road construction equipment that meets the latest EPA or California Air Resources Board (CARB) standards. If that newer equipment cannot be used, equipment with the best available controls on diesel emissions including retrofitting with diesel oxidation catalysts or particulate filters in addition to the use of ultra-low sulfur fuel would be the second choice that can be effective in reducing exhaust emissions. The use of newer equipment that meets EPA standards would obviate the need for retrofits.*

The Department also encourages the use of newer on-road vehicles that meet either the latest EPA or California Air Resources Board (CARB) standards for construction projects. These on-road vehicles include dump trucks, fuel delivery trucks and other vehicles typically found at construction sites. On-road vehicles older than the 2007-model year typically should be retrofitted with diesel oxidation catalysts or diesel particulate filters for projects. Again, the use of newer vehicles that meet EPA standards would eliminate the need for retrofits.”

DEEP-6 Response: The University’s “Environmental, Health, and Safety Requirements for Construction, Service, and Maintenance Contractors” summarizes contractor air pollution control requirements for construction vehicles/equipment for University construction projects. This document is referenced in University contract documents. An authorized contractor representative must sign-off on this document, serving as an acknowledgement and understanding of the requirements of this document. Specific air pollution control requirements include but are not limited to:

- Fuel slips for construction vehicles/equipment that are refueled onsite must be retained,
- Low sulfur diesel or biofuels must be used,
- Vehicles shall not be operated near building fresh air intakes and shall be equipped with scrubbers to minimize impacts to indoor air quality,
- Idling time restrictions in accordance with CT laws, and
- Evaluation of solvents and use of noxious emissions during work planning process to determine control requirements prior to field implementation of the scope of work.

DEEP-7 Comment: *“Additionally, Section 22a-174-18(b)(3)(C) of the RCSA limits the idling of mobile sources to 3 minutes. This regulation applies to most vehicles such as trucks and other diesel engine-powered vehicles commonly used on construction sites. Adhering to the regulation will reduce unnecessary idling at truck staging zones, delivery or truck dumping areas and further reduce on-road and construction equipment emissions. Use of posted signs indicating the three-minute idling limit is recommended. It should be noted that only DEEP can enforce Section 22a-174-18(b)(3)(C) of the RCSA. Therefore, it is recommended that the project sponsor include language similar to the anti-idling regulations in the contract specifications for construction in order to allow them to enforce idling restrictions at the project site without the involvement of the Department.”*

DEEP-7 Response: As mentioned in the response to DEEP-6 above, the University’s “Environmental, Health, and Safety Requirements for Construction, Service, and Maintenance Contractors” includes air pollution control requirements including prohibiting idling for excessive periods when not in use.

ATTACHMENT D

Public Hearing Presentation



June 25, 2014

TO: Members of the Board of Trustees

FROM: John M. Biancamano
Interim Executive Vice President for Administration and Chief Financial Officer

Thomas Callahan
Associate Vice President

RE: Environmental Impact Evaluation (EIE) – Science Technology Engineering and Math (STEM) Residence Hall

RECOMMENDATION:

That the Board of Trustees endorse the draft Record of Decision and associated Environmental Impact Evaluation (EIE) for the proposed construction of a new Science, Technology, Engineering and Math (STEM) Residence Hall on the Storrs campus.

BACKGROUND:

The project will provide a 200,000 to 250,000 gross square foot residence hall with up to 750 beds adjacent to Hilltop Residence Halls on Alumni Drive (see the Site Layout figure in Attachment A) and will create a living and learning community for first-year Science, Technology, Engineering, and Math (STEM) students. The proposed STEM Residence Hall is needed to:

- Provide residential life space for a growing UConn undergraduate population;
- To support the Next Generation Connecticut initiative to expand UConn's STEM programs;
- To provide qualified individuals for Connecticut's industries.

The proposed STEM Residence Hall will have features to support Residential Life programming for first-year undergraduate STEM Scholars students, including living spaces for a Resident Director and Assistant Resident Director, common areas, seminar and collaborative learning spaces, and study rooms. Building common areas, including a lobby, lounge, and laundry areas, as well as building support and mechanical/electrical/plumbing space, are included in the design. The proposed STEM Residence Hall is anticipated to tie into central utilities for electricity and

use natural gas-fired generators for emergency power. The building will be locally heated and cooled.

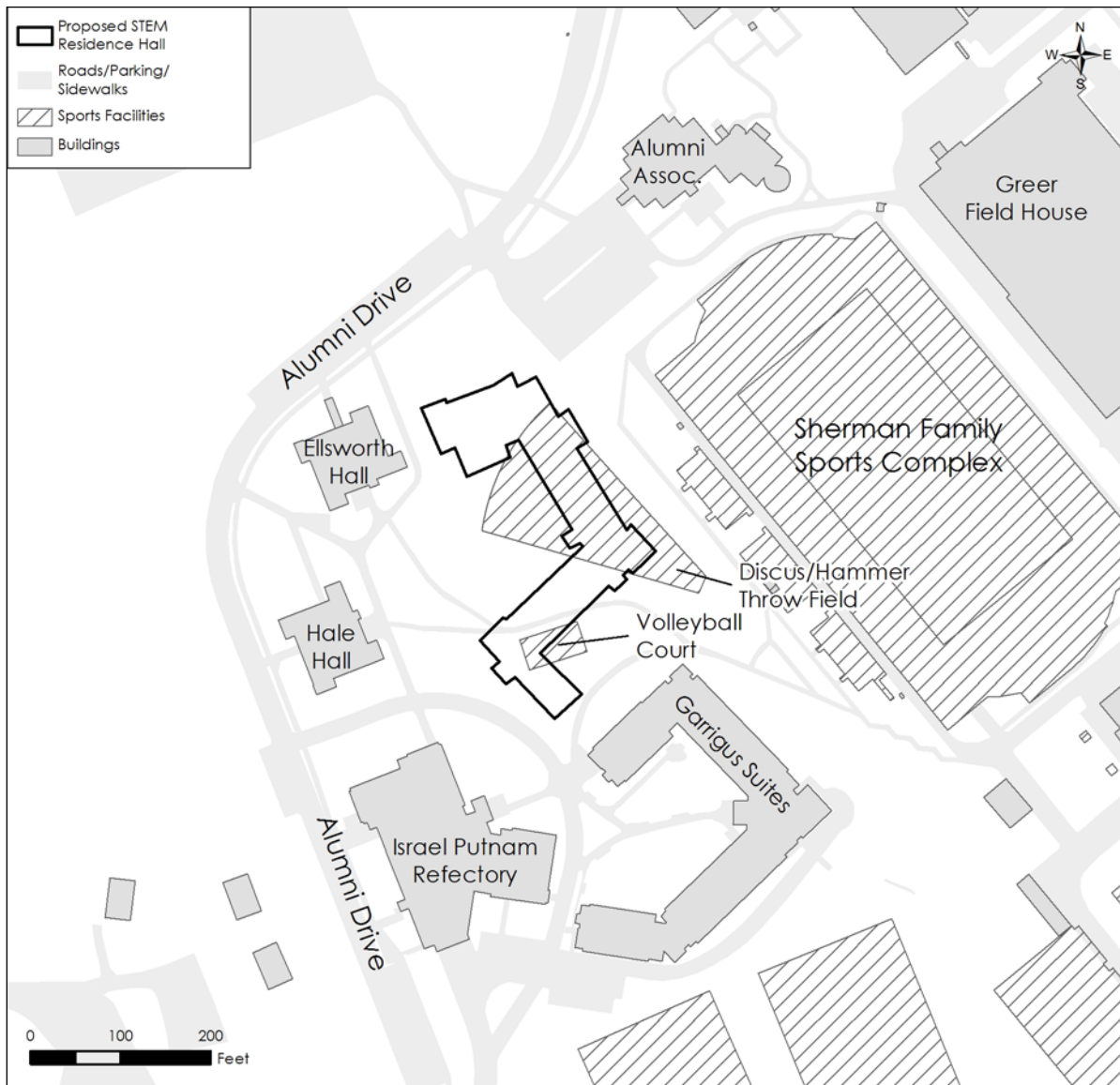
The building construction will incorporate best practices of sustainability with a minimum goal of Leadership in Energy & Environmental Design (LEED) Silver, and will address the guidelines and requirements of the Connecticut High Performance Building Standards. Reclaimed water will be incorporated into the building design for appropriate non-potable uses such as cooling and toilet flushing.

The EIE was published for public comment from April 22, 2014 through June 6, 2014. A public hearing was held on May 29th; hearing materials are available for Board members' review and can be requested through Thomas Callahan. Public comments on the EIE were received from the Connecticut Department of Energy and Environmental Protection (CTDEEP), the Town of Mansfield, and the Connecticut Department of Public Health (CTDPH). As a result of these activities, the University received substantive comments regarding UConn's plans for meeting additional water demands as well as managing stormwater runoff and traffic. These issues are addressed in the attached Responses to Comments document.

No significant impacts to the environment are anticipated as a result of the Proposed Action. All practicable means to avoid or minimize any associated environmental impacts that are identified in the EIE will be adopted. The mitigation measures identified in the EIE, and in the responses to comments on the EIE, have been adopted and will be implemented as part of the Proposed Action.

ATTACHMENT A

SITE LOCATION FIGURES



Footprint of STEM Residence Hall



STEM Residence Hall Facing East



STEM Residence Hall Facing West

Record of Decision Environmental Impact Evaluation

University of Connecticut Science, Technology, Engineering and Math (STEM) Residence Hall

June 17, 2014



Prepared By:



FUSS & O'NEILL

146 Hartford Road
Manchester, Connecticut 06040

Record of Decision Environmental Impact Evaluation

University of Connecticut
Science, Technology, Engineering and Math (STEM)
Residence Hall

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4	Summary of the Public Hearing Record	2
5	Response to Comments on the EIE	2

Attachment A: Environmental Impact Evaluation (EIE), Executive Summary (Fuss & O'Neill, Inc., April 22, 2014)

Attachment B: Early Public Scoping Notice

Attachment C: EIE Public Review Period Notices

Attachment D: Public Hearing Transcript

Attachment E: EIE Comments and Responses

1 Decision

The University of Connecticut intends to continue with the implementation of the Proposed Action, which consists of the construction of a new 200,000 to 250,000 gross square foot (GSF) residence hall adjacent to Hilltop Residence Halls on Alumni Drive to provide a living and learning community for first-year Science, Technology, Engineering, and Math (STEM) students. The proposed STEM Residence Hall, currently designed for 737-beds and not to exceed 750-beds, is needed to provide residential life space for a growing University undergraduate population and to support the Next Generation Connecticut initiative to expand the University of Connecticut's STEM programs to provide qualified individuals for Connecticut's industries.

This decision is based upon a careful consideration of alternatives and potential environmental impacts as documented in the Environmental Impact Evaluation (EIE) (Fuss & O'Neill, Inc., April 22, 2014) that was prepared for the Proposed Action, as well as comments received during the public review period for the EIE (April 22 – June 6, 2014). A copy of the Executive Summary that was included in the EIE is attached (see Attachment A).

2 Statement of Environmental Impact

No significant impacts to the environment are anticipated as a result of the Proposed Action. All practicable means to avoid or minimize any associated environmental impacts that are identified in the EIE will be adopted. The mitigation measures identified in the EIE, and in the responses to comments on the EIE, have been adopted and will be implemented as part of the Proposed Action.

3 Summary of Consultation with Agencies and Other Persons

A Notice of Scoping for the Proposed Action was published in the Connecticut Council on Environmental Quality (CEQ) *Environmental Monitor* on January 21, 2014 and again on March 18, 2014 to extend the scoping period beyond the initial 30 days. The scoping period ended on March 22, 2014 (Attachment B). During the scoping period, a public scoping meeting was held on the University campus on March 17, 2014. Public oral comments were received during the public meeting from Meg Reich of the Willimantic River Alliance. During the scoping period, written comments were received from the Connecticut Department of Energy and Environmental Protection (CTDEEP), the Town of Mansfield, and the Connecticut Department of Public Health (CTDPH).

Preparation of the EIE involved coordination with Federal and State agencies and municipal officials. A Notice of Availability for the EIE was advertised in the CEQ *Environmental Monitor* and made available to the public on April 22, 2014. The notice also appeared in the *Willimantic Chronicle* on April 23, April 30 and May 7, 2014. The public review and comment period began on April 22, 2014 and ended on June 6, 2014. Copies of the EIE public review period notices and advertisements are provided in Attachment C.

The EIE was made available for inspection during the comment period at the Mansfield Town Clerk's Office, Audrey P. Beck Municipal Building, 4 South Eagleville Road, Mansfield, Connecticut and the Mansfield Public Library, 54 Warrenville Road, Mansfield, Connecticut. The document was sent to the following agencies and entities for review and comment:

- Council on Environmental Quality
- Connecticut Department of Energy and Environmental Protection
- Connecticut Department of Public Health
- Connecticut Department of Transportation
- Connecticut Commission on Culture and Tourism
- Connecticut Office of Policy and Management

The EIE was also made available for review on the Council on Environmental Quality website (http://www.ct.gov/ceq/lib/ceq/STEM_EIE_2014April22.pdf) and the University of Connecticut Office of Environmental Policy website (<http://www.envpolicy.uconn.edu/eie/html>)

4 Summary of the Public Hearing Record

A public hearing on the EIE was held on May 29, 2014 at 7:30 pm in Room 146 at the University of Connecticut Bishop Center, One Bishop Circle, Storrs, Connecticut. A transcript of the public hearing is included in Attachment D.

5 Response to Comments on the EIE

This Record of Decision contains all comments submitted on the EIE, including oral testimony provided during the public hearing. Copies of comments received on the EIE and their responses are provided in Attachment E. Comments were received from the Connecticut Department of Energy and Environmental Protection, the Connecticut Department of Public Health, the Town of Mansfield, and Mr. Stephen Squires of Mansfield, CT.

Attachment A

Environmental Impact Evaluation (EIE) Executive Summary
(Fuss & O'Neill, Inc., April 22, 2014)

Executive Summary

The University of Connecticut (University or UConn) proposes to construct a new 650- to 800-bed, 200,000 to 250,000 gross square foot (GSF) residence hall adjacent to Hilltop Residence Halls on Alumni Drive (Figure ES-1, ES-2, ES-3, ES-4) to provide a living and learning community for first-year Science, Technology, Engineering, and Math (STEM) students. The proposed STEM Residence Hall is needed to provide residential life space for a growing UConn undergraduate population and to support the *Next Generation Connecticut* initiative to expand UConn's STEM programs to provide qualified individuals for Connecticut's industries.

The University, as the sponsoring agency for this project, has prepared an Environmental Impact Evaluation (EIE) pursuant to the Connecticut Environmental Policy Act (CEPA) to further evaluate the potential environmental impacts of construction of a new residence hall at this location.

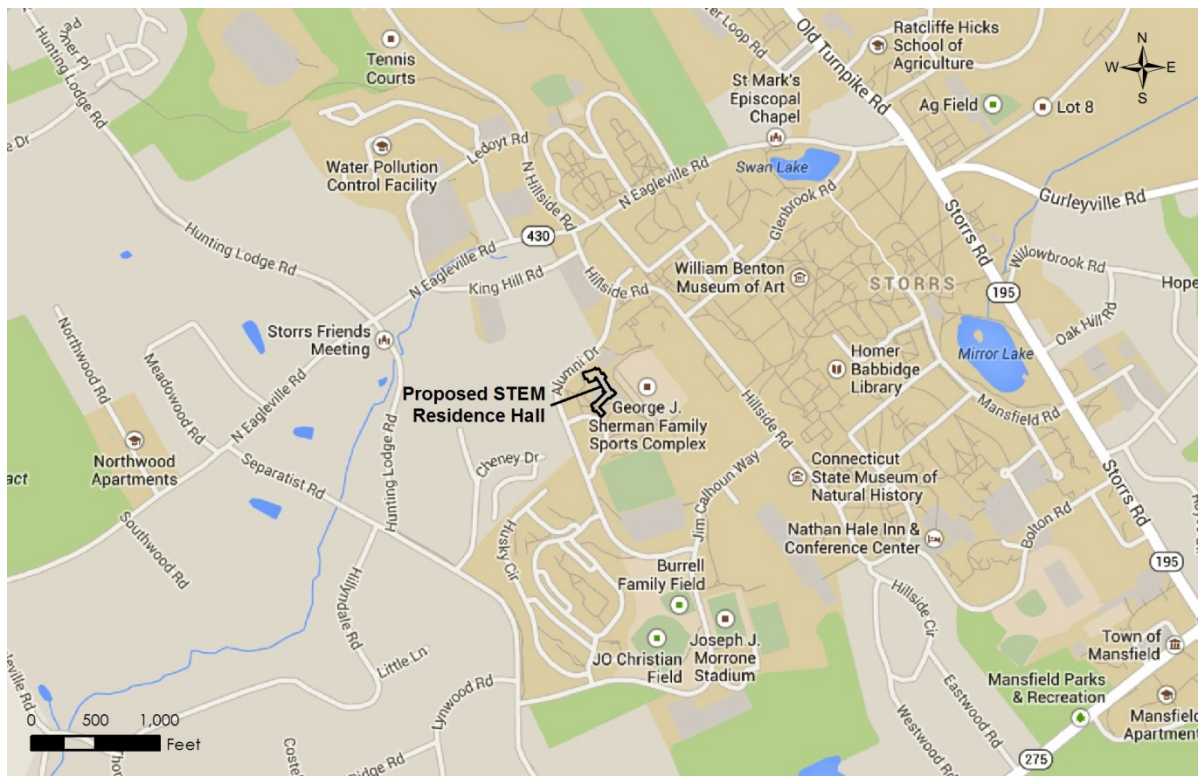


Figure ES-1. Location of Proposed STEM Residence Hall

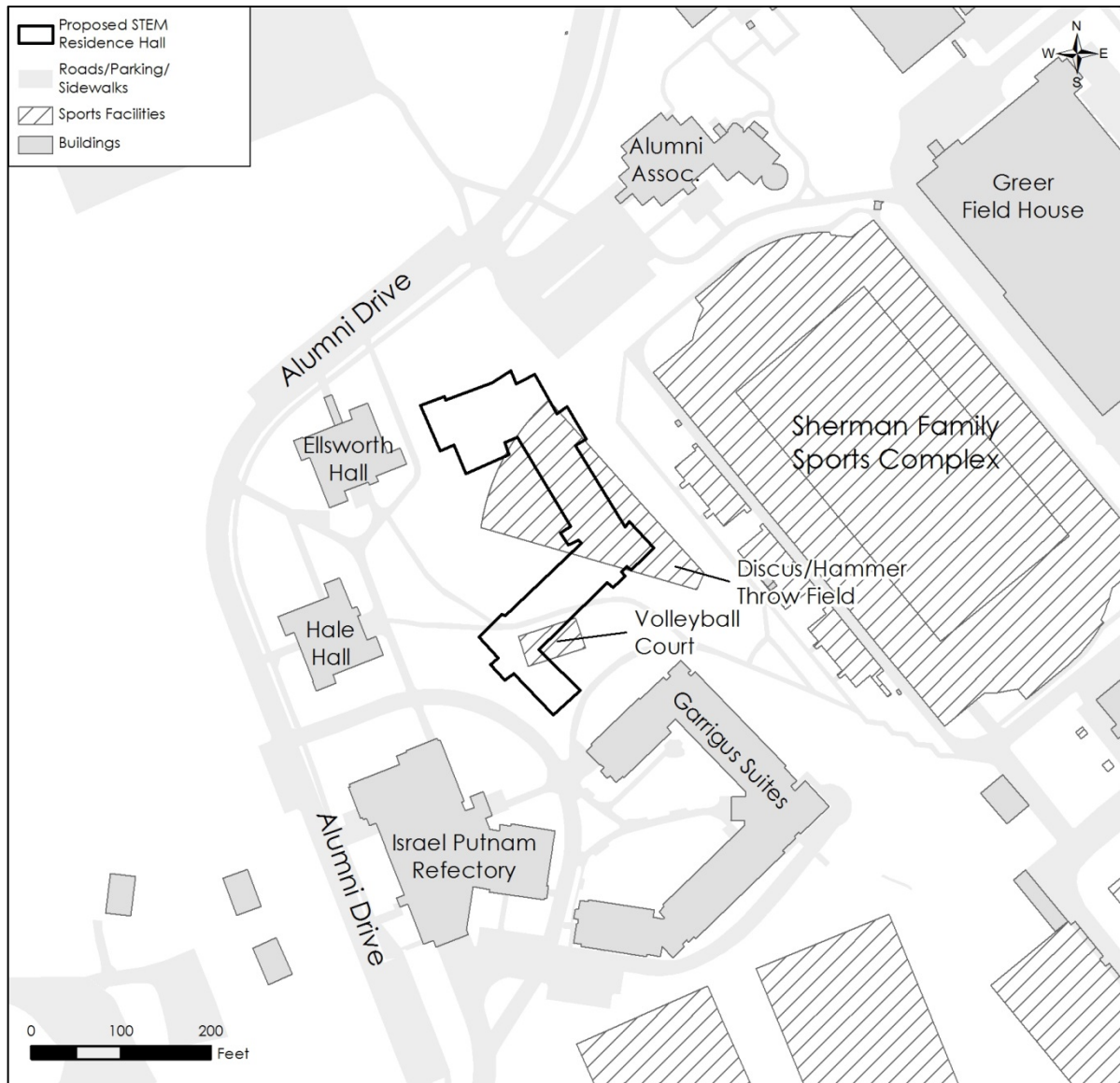


Figure ES-2. Footprint of Proposed STEM Residence Hall

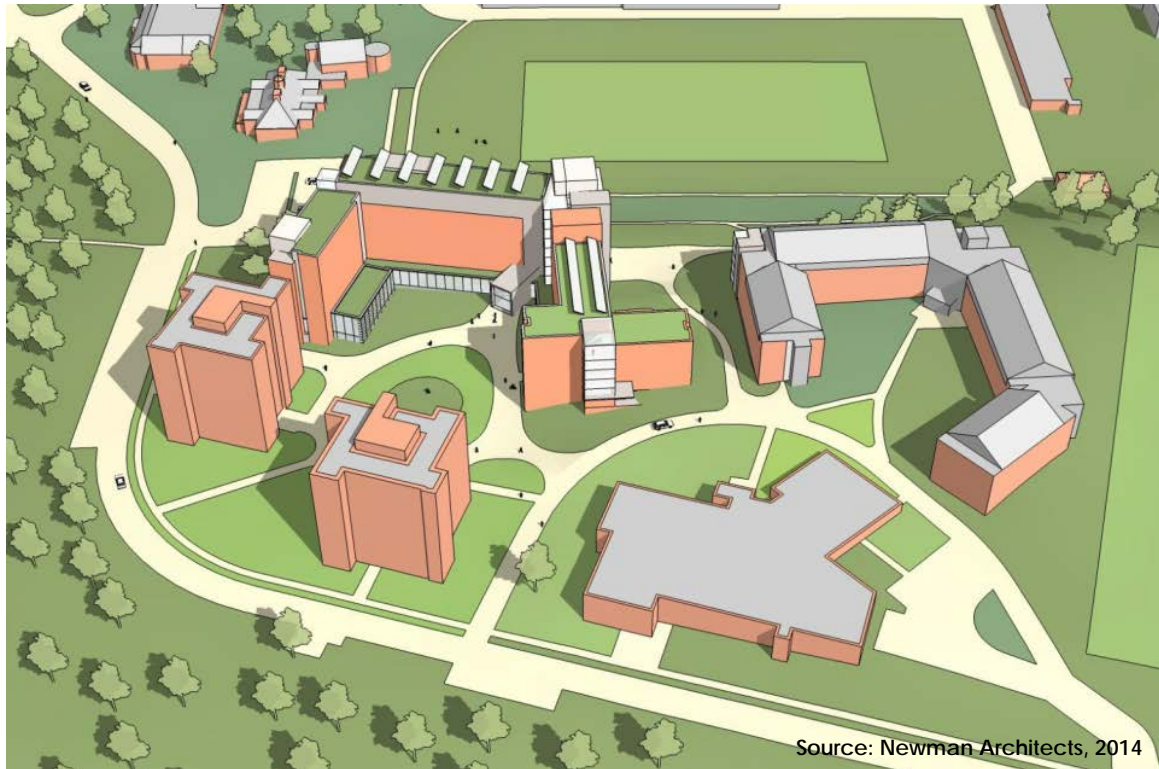


Figure ES-3. Proposed STEM Residence Hall Architectural Rendering Facing East

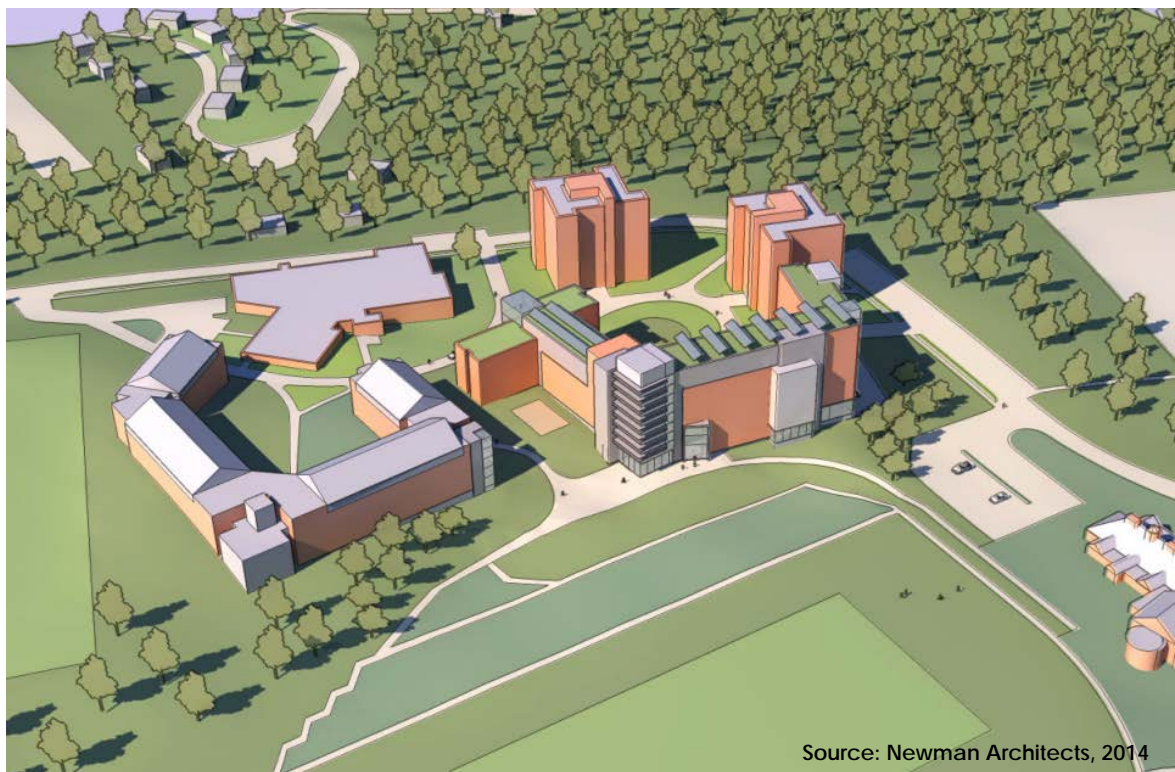


Figure ES-4. Proposed STEM Residence Hall Architectural Rendering Facing West

The proposed STEM Residence Hall will provide features to support Residential Life programming for first-year undergraduate STEM Scholars students, including living spaces for a Resident Director and Assistant Resident Director, common areas, seminar and collaborative learning spaces, and study rooms. Building common areas, including a lobby, lounge, and laundry areas, as well as building support and mechanical/electrical/plumbing space, are included in the design.

The proposed STEM Residence Hall is anticipated to tie into central utilities for electricity and to use natural gas-fired emergency generators. The building will be locally heated and cooled, at least initially. The building construction will incorporate best practices of sustainability with a minimum goal of Leadership in Energy & Environmental Design (LEED) Silver, and will address the guidelines and requirements of the Connecticut High Performance Building Standards. Reclaimed water will be incorporated into the building design for appropriate non-potable uses such as cooling and toilet flushing.

Construction of the STEM Residence Hall on the proposed location on Alumni Drive would not require any building or roadway relocation, but a seasonal sand volleyball court would be removed and the existing hammer throw and discus field would be relocated. The University has identified Practice Field #2, which is located adjacent to the Softball Stadium, as a relocation area.

The purpose of the Proposed Action is to address two needs identified by the University. The first is a general need for more on-campus residential life space to accommodate the growing student population and the demand for housing on the Storrs Campus. The second is a specific need to provide housing for first-year students enrolled in the STEM Scholars program, which is a part of the *Next Generation Connecticut* initiative.

The University considered reasonable alternatives, including the No Action alternative. Alternative on-campus locations for the proposed residence hall are shown on *Figure ES-5* and include a site on Alumni Drive adjacent to the existing Hilltop Residence Halls, an alternative site south of McMahon Hall and an alternative site northwest of the South Campus Residence Halls. The alternative site locations were chosen based on available space on the main campus, the 2006 Master Plan Update recommendations, and the feasibility of construction to meet the schedule of the *Next Generation Connecticut* initiative, which requires available housing for STEM Scholars by August 2016.

Based on the alternatives considered, the construction of a new a STEM Residence Hall next to the Hilltop Residence Halls (Hale and Ellsworth) on Alumni Drive was selected by the University as the Preferred Alternative. The site was selected as the preferred alternative because of its ability to meet the project purpose and need by providing an area capable of meeting the programming needs for the STEM Residence Hall, placing the residence hall in relatively close proximity to the STEM-related academic buildings. Construction at this location would not require the demolition or relocation of existing buildings or roadways. The existing dining hall in the adjacent Putnam Refectory will require renovation, as opposed to new dining hall construction, to accommodate the dining needs of the additional students.

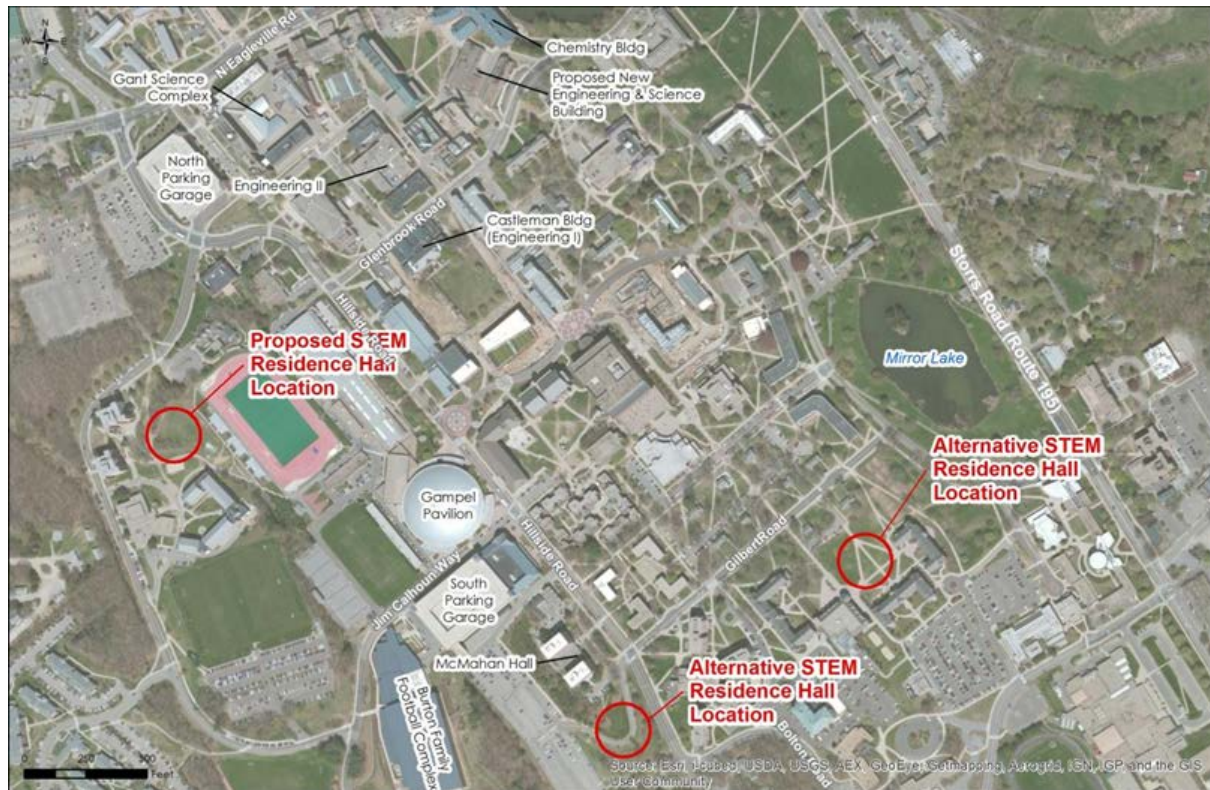


Figure ES-5. Alternative Locations Considered

Direct effects resulting from the Proposed Action include loss of approximately 935 sf of low quality wetland habitat, minor increases in energy and utility usage, and the relocation of the discus and hammer throw field currently on the project site. Although the construction and operation of the STEM Residence Hall will result in little change to traffic operations and parking, potential secondary effects include possible future demand for additional parking capacity and associated traffic effects as the first-year STEM students move from the residence hall and become eligible to request on-campus parking permits. However, these effects, as well as cumulative effects to utilities from future construction/operation of *Next Generation Connecticut* projects, are uncertain and will be assessed in the larger context of the forthcoming UConn Master Plan update and associated EIE. Potential construction-related impacts include temporary impacts to vehicle and pedestrian traffic, air quality, noise, hazardous materials and solid waste, and stormwater. Anticipated impacts and proposed mitigation measures to avoid, minimize, or offset potential adverse impacts are summarized in *Table ES-1*.

Table ES-1. Summary of Impacts and Proposed Mitigation

Resource Category	Impacts	Proposed Mitigation
Traffic, Parking, and Circulation	<ul style="list-style-type: none"> No disruption of existing roads/parking Minimal new vehicle trips Potential for secondary effects associated with demand for additional parking and vehicles on-campus due to additional students 	<ul style="list-style-type: none"> Potential for adverse effects will be assessed in the OSTA process and upcoming Master Plan and Master Plan EIE which will provide a comprehensive assessment of traffic, parking, and circulation in the context of campus growth
Air Quality	<ul style="list-style-type: none"> New stationary sources – boiler, emergency generator, chiller Potential emissions below de minimis levels established by USEPA 	<ul style="list-style-type: none"> Stationary sources to be included in UConn air quality permit
Noise	<ul style="list-style-type: none"> Consistent with residential setting 	<ul style="list-style-type: none"> None
Water Resources	<ul style="list-style-type: none"> Will be consistent with Eagleville Brook TMDL and Watershed Plan No floodplains 	<ul style="list-style-type: none"> The stormwater management system for the new residential hall will be consistent with the guidelines contained in the CTDEEP <i>Connecticut Stormwater Quality Manual</i> (as amended). LID measures such as disconnected impervious areas and bioretention A green roof area is proposed for a portion of the STEM Residence Hall building to further reduce effective impervious cover and stormwater runoff from the project site, as well as to enhance stormwater quality. New underground detention systems are proposed to manage peak rates of runoff from the project site, including the STEM Residence Hall and the areas currently served by the existing underground detention system associated with Garrigus Suites
Wetlands, Watercourses, and Natural Communities	<ul style="list-style-type: none"> No threatened/endangered species ±935 SF of low functional value wetland to be directly impacted 	<ul style="list-style-type: none"> Adherence to the conditions of the CTDEEP <i>General Permit for Water Resource Construction Activities</i> and U.S. Army Corps of Engineers Connecticut General Permit
Cultural Resources	<ul style="list-style-type: none"> Outside National Register Historic District SHPO determined no impact to historic or archaeological resources 	<ul style="list-style-type: none"> None
Visual and Aesthetic Character	<ul style="list-style-type: none"> Consistent with current visual setting 	<ul style="list-style-type: none"> None
Geology, Topography, and Soils	<ul style="list-style-type: none"> No unique features or farmland soils 	<ul style="list-style-type: none"> None

Table ES-1. Summary of Impacts and Proposed Mitigation

Resource Category	Impacts	Proposed Mitigation
Utilities and Services	<ul style="list-style-type: none"> Adequate capacity exists for Electrical, Natural Gas, Sanitary Sewer, Telecommunications, and Stormwater/Drainage in the vicinity of the site along Alumni Drive. The University will meet its overall peak water demands, including for the STEM Residence Hall, by augmenting its supply with the additional supply to be provided pursuant to an executed agreement to interconnect with the Connecticut Water Company (CWC). Should the proposed STEM Residence Hall be completed prior to the additional water supply being available from CWC, sufficient water supply exists within the University system to meet annual average daily demand and peak month's (typically, September) average daily demand for the STEM Residence Hall. However, additional supply would be required in order to meet the peak day demand, including maintaining a system-wide 15% margin of safety. The proposed building and associated site improvements would replace existing turf areas, thus increasing impervious surfaces on the site. These site alterations would reduce canopy interception, evapotranspiration, and infiltration; generate increased runoff rates and volumes (i.e., increased runoff coefficient); and introduce new potential sources of stormwater pollutants. 	<ul style="list-style-type: none"> The building construction will incorporate best practices of sustainability with a minimum goal of Leadership in Energy & Environmental Design (LEED) Silver. The project design will also address the guidelines and requirements of the Connecticut High Performance Building Standards, as well as strategies and recommendations promoted by the UConn <i>Climate Action Plan</i> and other ongoing energy efficiency and sustainability initiatives at the Storrs campus. Reclaimed water will be used for toilet/urinal flushing and cooling. Water savings from reclaimed water use for toilet flushing is estimated at up to approximately 5,000 gpd during the academic year. Should the STEM Residence Hall be completed prior to completion of the CWC interconnection, potential mitigation would consist of a) connecting the STEM Residence Hall (as well as the NESB and IPB) to the reclaimed water utility to reduce potable demand, b) continue to promote water conservation throughout the system and c) take steps to ensure that margin of safety could be demonstrated by having Fenton Well D approved for intermittent use during the time that peak demand was expected. The stormwater management system for the new residential hall will be consistent with the guidelines contained in the CTDEEP <i>Connecticut Stormwater Quality Manual</i> (as amended). LID measures such as disconnected impervious areas and bioretention A green roof area is proposed for a portion of the STEM Residence Hall building to further reduce effective impervious cover and stormwater runoff from the project site, as well as to enhance stormwater quality. New underground detention systems are proposed to manage peak rates of runoff from the project site, including the STEM Residence Hall and the areas currently served by the existing underground detention system associated with Garrigus Suites.
Public Health and Safety	<ul style="list-style-type: none"> Public Health & Safety services in place for residential students 	<ul style="list-style-type: none"> None

Table ES-1. Summary of Impacts and Proposed Mitigation

Resource Category	Impacts	Proposed Mitigation
Solid Waste and Hazardous Substances	<ul style="list-style-type: none"> Typical residential waste stream 	<ul style="list-style-type: none"> None
Socioeconomics	<ul style="list-style-type: none"> Anticipated socioeconomic benefit 	<ul style="list-style-type: none"> None
Land Use Planning	<ul style="list-style-type: none"> Consistent with campus, local, regional, and state plans 	<ul style="list-style-type: none"> None
Construction Period		
Traffic, Parking, and Circulation	<ul style="list-style-type: none"> Minor, temporary disruptions to traffic in the immediate area of construction 	<ul style="list-style-type: none"> Use of construction-phase traffic management measures to maintain efficient traffic operations during the construction period including construction phasing to minimize disruptions to traffic, signage, and detours.
Air Quality	<ul style="list-style-type: none"> Construction activities may result in short-term impacts to ambient air quality due to direct emissions from construction equipment and fugitive dust emissions 	<ul style="list-style-type: none"> Contractors will be required to comply with air pollution control requirements in UConn <i>Environmental, Health, and Safety Policies, Regulations, and Rules for Construction, Service, and Maintenance Contractors</i>, including reference to such requirements in contract documents. Ensure proper operation and maintenance of construction equipment. Limit idling of construction vehicles and equipment to three minutes. Implement traffic management measures during construction. Implement appropriate controls to prevent the generation and mobilization of dust.
Noise	<ul style="list-style-type: none"> Heavy construction equipment associated with site development may result in temporary increases in noise levels in the immediate area of construction 	<ul style="list-style-type: none"> Contractors will be required to comply with noise control requirements in UConn <i>Environmental, Health, and Safety Policies, Regulations, and Rules for Construction, Service, and Maintenance Contractors</i>, including reference to such requirements in contract documents. Ensure proper operation and maintenance of construction equipment. Construction contractors should make every reasonable effort to limit construction noise impacts.
Stormwater and Water Quality	<ul style="list-style-type: none"> Exposure of soil increases potential for erosion and sedimentation 	<ul style="list-style-type: none"> Use of appropriate erosion and sediment controls during construction, consistent with the 2002 <i>Connecticut Guidelines for Soil Erosion and Sediment Control</i> (as amended) and the August 21, 2013 <i>General Permit for Stormwater and Dewatering Wastewaters from Construction Activities</i>.
Hazardous Materials and Solid Waste	<ul style="list-style-type: none"> Temporary on-site storage and use of fuels and other materials 	<ul style="list-style-type: none"> Contractors will be required to comply with requirements for construction-related

Table ES-1. Summary of Impacts and Proposed Mitigation

Resource Category	Impacts	Proposed Mitigation
Hazardous Materials and Solid Waste (continued)	<p>associated with construction vehicles and equipment</p> <ul style="list-style-type: none"> • Generation of solid waste including construction and demolition debris 	<p>hazardous materials and solid waste in UConn <i>Environmental, Health, and Safety Policies, Regulations, and Rules for Construction, Service, and Maintenance Contractors</i>, including reference to such requirements in contract documents.</p> <ul style="list-style-type: none"> • Hazardous or regulated materials or subsurface contamination encountered during construction will be characterized and disposed of in accordance with applicable state and federal regulations. • Construction-related solid waste will be handled and disposed of in a manner that meets current regulations and University standards. Construction and demolition debris will be managed in accordance with applicable state and federal regulations and the University's contractor policies.

Attachment B

Early Public Scoping Notice

Attachment C

EIE Review Period Notices

Attachment D

Public Hearing Transcript

Attachment E

EIE Comments and Responses

**Response to Comments
Environmental Impact Evaluation**

**University of Connecticut
Science, Technology, Engineering and Math (STEM) Residence Hall
June 17, 2014**

- **Comment Summary**

The Environmental Impact Evaluation (EIE) for the construction of a new Science, Technology, Engineering and Math (STEM) Residence Hall on the University of Connecticut Storrs campus was released for public and agency review and comment on April 22, 2014 in accordance with the Connecticut Environmental Policy Act (CEPA). A 45-day comment period followed publication and distribution of the EIE. Written comments were received during the comment period, which ended on June 6, 2014. A public hearing was held during the comment period on May 29, 2014 to receive oral testimony.

This document contains all public and agency comments on the EIE, including oral testimony provided during the public hearing. Comments were received from the following agencies and individuals:

Written Comments

- Connecticut Department of Energy and Environmental Protection (June 6, 2014 Letter)
- Connecticut Department of Public Health – Drinking Water Section (June 6, 2014 Letter)
- Mansfield Town Council and Planning and Zoning Commission (May 28, 2014 Letter)

Oral Testimony and Exhibits (Public Hearing)

- Stephen Squires, Mansfield, CT

- **Response to Comments**

This section contains responses to the substantive issues raised in the comments on the EIE in accordance with CEPA requirements. Specific comments are numbered in the margins of each comment letter. The comment numbers are referenced in the corresponding responses below.

Connecticut Department of Energy and Environmental Protection (June 6, 2014 Letter)

Comment 1

It should be noted that since the EIE was issued for public review and comment, the anticipated student population in the STEM Residence Hall has decreased slightly from 800-beds to 737-beds in the current design, which will likely result in a slight decrease in potable water usage compared to estimates in the EIE. In addition, the potable water estimate of 28,800 gpd in the EIE did not account for the reduction in potable water demand expected by using reclaimed water for toilets and urinals which will reduce average potable water usage by 5,000 gpd. As a result, the estimated potable water usage is 23,800 gpd. In turn, this will reduce the peak demand potable water usage from 37,600 gpd to 31,072 gpd. It is also important to note that

estimates of water usage in the EIE were based on average metered usage at dormitories throughout campus. Use of water-saving fixtures will likely reduce the actual usage, although the average metered usage provides a conservative reasonable estimate for the purposes of the EIE. As such, the combined water demands attributable to the three new projects, the STEM Residence Hall, New Engineering Science Building and Innovative Partnership Building, are 53,400 gpd average day demand and 77,000 gpd peak day demand.

The University anticipates submitting a proposed plan to DEEP for the use of Well D during low-flow periods no later than August 2014. The University will seek approval for use of Well D as outlined in the Water Supply Plan, and will work with DEEP to develop a well management plan that includes river monitoring. The plan will provide guidance for well production that guards against adverse impacts to the river streamflow. The plan will be based on field data, and the data will inform a long term management strategy including permissible pump rates, frequency of use, and rest periods. As requested by DEEP, the University will provide a detailed plan for monitoring streamflow at locations to be determined to better define the streamflow gain of the river, as well as a plan for monitoring ground water levels in the vicinities of Well D and the river to assess the river's response to pumping. The plan will also identify the usage patterns for discontinuing use or resting Well D, since it is dependent upon streamflow, weather and other considerations.

In addition, as stated in the EIE, the University is committed to mitigating the shortfall in peak day supply requirements that are projected to occur if the Connecticut Water Company connection is not finalized as scheduled. The University will identify and implement new water saving and conservation measures prior to the expected opening of the STEM Residence Hall. These measures will reduce on campus water consumption by accelerating ongoing water conservation efforts and replacing older, existing fixtures so that the overall reduction would offset the approximately 53,400 gpd average day demand expected to be attributable to the opening of the three new buildings.

Comment 2

Please see the completed "Checklist for Low Impact Development Best Management Practices for UConn" attached to this Response to Comments.

Comment 3

The Proposed Action design is consistent with this comment; no response is needed.

Comment 4

The Proposed Action design is consistent with this comment; no response is needed.

Comment 5

The green roofs on the proposed STEM Residence Hall are not intended to be publicly accessible spaces. The University reviewed making the green roof areas publicly accessible; however, once the area is a congregational space, parapet heights would need to be increased, two means of egress provided, and other building code implications would arise. Therefore, it was determined that the roofs would not be public spaces and would only be accessed for routine maintenance, similar to Laurel Hall's green roof.

As currently contemplated, the second floor roofs will be seen by almost all residents of the hall and by the portions of the Hale and Ellsworth towers that face the STEM residence hall. There is a second green roof located at the fifth floor, which will be seen by only residents of the upper three floors of the STEM building.

Comment 6

The following estimates of percent change in total and effective impervious area have been calculated based on the current design of the STEM Residence Hall. Total impervious area (TIA) refers to all impervious area within a given drainage area (e.g., roads, buildings, sidewalks). Effective impervious area (EIA) is the impervious area that is directly connected to the drainage system or surface water body. EIA excludes impervious areas that are disconnected from the drainage system through the use of stormwater infiltration and/or treatment practices. Upon completion of the project, final calculations of the percent change in total and effective impervious area will be provided to the CLEAR Program to verify and to quantify the annual amount of run-off expected to be infiltrated and/or treated.

	No Action (Pre-development Conditions)	Preferred Alternative (Post-development Conditions)	Area and Percent Change
Total Area	10.94 acres	10.94 acres	--
Total Impervious Area	4.31 acres	5.49 acres	1. 18 acres (+11%)
Effective Impervious Area	3.21 acres	4.00 acres	0. 79 acres (+8%)

Comment 7

As described in the EIE, the functions and values of the wetland were evaluated and the results of the evaluation found that the wetland does not provide principal or secondary wetland functions or values. The ability of the wetland to provide suitable wetland functions and values is limited due to its small size, disturbed condition, isolation from other wetland resources, and surrounding developed land use. The wetland is comprised of poorly drained soils that have been significantly disturbed by fill impacts associated with adjacent clearing and grading activities. It is located in a groundwater discharge area and contained shallow surface water at the time of the inspection. The wetland does not consist of the necessary features required to properly treat stormwater quality or quantity. The proposed bioretention areas have the capability to provide infiltration of stormwater and nutrient assimilation, as well as removal of metals, solids, and bacteria from stormwater.

Comment 8

The Hilltop Residence complex in which the STEM Residence Hall will be located is being reviewed for its collective emergency power needs. Based on preliminary estimates, three 500 kW engines will provide the required emergency power to the complex; of the total emergency power need for the area, the STEM residence will require 800 kW. The CTDEEP requires the owner/operator of a new emission source with potential emissions of any individual air pollutant of at least 15 tons per year to obtain an individual permit. The emissions are conservatively calculated as the emission source running 24 hours a day for the entire year. Based on initial design for the STEM Residence Hall, the emergency generator would produce 17.19 tons per year of CO, and would therefore require a permit. All of the heating units have estimated potential emissions less than 15 tons per year (see the revised emissions summary table below). As an alternative to obtaining an individual permit, the University will operate the emergency generator pursuant to CTDEEP's "permit-by-rule" operation requirements under RCSA 22a-174-3b, limiting the potential operation of the unit to 300

hours per year. As the emergency power needs for the Hilltop Residence complex are evaluated, any and all sources of air emissions shall be reviewed for permitting needs and compliance with state and federal air regulations.

Table 3-5. Estimated Stationary Source Emissions

Stationary Source	CO (tons/year)	VOC (tons/year)	NOx (tons/year)	SOx (tons/year)	PM (tons/year)
Boilers (2 condensing gas units @ 5,000 MBH each; input each, one standby)	3.68	0.24	4.38	0.03	0.33
Water heaters (10 gas condensing, instantaneous units @ 200 MBH input each, 1 is redundant)	0.74	0.05	0.88	0.01	0.07
Standby generator, gas, 800 KW	17.19	3.64	10.68	0.02	0.31
Cooling Tower (2 units @ 15 hp/unit)	--	--	--	--	3.00
Project Total	21.61	7.6	28.11	0.1	4.06
Applicable <i>de minimis</i> Levels	100	50	100	100	N/A

Comment 9

As described in the EIE, the University's "Environmental, Health, and Safety Requirements for Construction, Service, and Maintenance Contractors" outlines contractor air pollution control requirements for construction vehicles/equipment for University construction projects. More specifically, this document is referenced in all University contract documents. An authorized contractor representative must sign-off on this document, serving as an acknowledgment and understanding of these requirements. Specific air pollution control requirements include, but are not limited to:

- Contractors shall retain fuel slips for construction vehicles/equipment that are refueled on site. Low sulfur diesel fuels or "biofuels" are required.
- Vehicles shall not be operated near building fresh air intakes, and shall be equipped with exhaust scrubbers to minimize impact to indoor air quality.
- Equipment shall not be allowed to idle for excessive periods of time when not in use. Connecticut law prohibits vehicles of all kinds from unnecessary idling for more than 3 minutes. Provisions are made for weather extremes, certain service vehicles and health related conditions (RCSA 22a-174-18). This regulation applies to ALL vehicles in Connecticut.
- Solvent or other noxious emissions shall be evaluated as part of the work planning process to determine engineering control requirements prior to field implementation of the scope of work.

Contract documents for the proposed STEM Residence Hall construction will include reference to the University's "Environmental, Health, and Safety Requirements for Construction, Service, and Maintenance Contractors," which contains these requirements.

Comment 10

As mentioned in the response to Comment 10 above, the University's "Environmental, Health, and Safety Requirements for Construction, Service, and Maintenance Contractors" includes air pollution control requirements including prohibiting idling for excessive periods when not in use.

Connecticut Department of Public Health – Drinking Water Section (June 6, 2014 Letter)

Comment 1

No response required.

Comment 2

The University continues to work with CWC to meet the scheduled interconnection date. The interconnection permitting is underway. The *Permit Application Form for Inland Water Resources Division Activities* for the transfer water from one water supply distribution system to another (e.g., the Diversion Permit) was submitted to DEEP in April 2014. The University will continue to coordinate with the CWC, the Town of Mansfield, and the appropriate agencies relative to the implementation schedule.

Comment 3a

The University has initiated discussions with DEEP about the use of the Fenton Well D and will seek approval for use of Well D during low flow periods as outlined in the Water Supply Plan. The proposal to use Well D during periods of low streamflow, which will include provisions to monitor streamflow in the vicinity of Well D and will provide guidance for well production that guards against adverse impacts to the river, is expected to be submitted for DEEP approval in August 2014. The University will provide regular updates to DPH regarding the proposed use of Well D. The University's Water Supply Plan, approved by DPH on March 25, 2014, estimated on the basis of modeling and field data that Well D could support up to 0.35 MGD under low flow conditions. It is anticipated that the operating plan to be submitted to DEEP will dictate that initial pumping during low flow would have to incrementally increase up to 0.35 MGD.

Comment 3b

The new water demand attributable to the three new projects, the STEM Residence Hall, New Engineering Science Building and Innovative Partnership Building, is 53,400 gpd average day demand and 77,000 gpd peak day demand. Section 3.10.2 of the EIE references the possible need for withdrawals from the University's 6.5 million gallons of storage to manage peak day demand. If necessary, that withdrawal is anticipated to be approximately 100,000 gpd on peak days, including 77,000 gpd to address new peak day demands created by the STEM Residence Hall, New Engineering Science Building and Innovative Partnership Building prior to the Connecticut Water Company connection being completed, and if the Fenton Wellfield is unavailable due to low streamflow conditions. Those storage tanks are replenished from wellfields consistent with the University's Wellfield Management and Water Supply Plans.

Comment 3c

The New Engineering Science Building will make use of reclaimed water for toilet flushing, the Innovation Partnership Building (IPB) will use reclaimed water for its cooling towers, and the STEM Residence Hall will use reclaimed water for both toilet flushing and its cooling towers. The Reclaimed Water Facility can produce up to 1 MGD, which DPH noted is dependent on sufficient Water Pollution Control Facility (WPCF) effluent being produced.

Based upon information collected over the period May 2013 – May 2014, reclaimed water flows and peak demand for cooling from the existing CUP and the proposed STEM Residence Hall, New Engineering Science Building, and Innovative Partnership Building, the greatest potential for shortfall would occur in the summer months. A very conservative estimate of the shortfall can be made by examining the low flow from the WPCF and using the peak reclaimed water usage which would assume maximum cooling in all the buildings connected to reclaimed water facility. For summer (June-August) 2014, the minimum WPCF flow was 532,000 gpd. Assuming 50% of that flow is available for reclaimed water, 266,000 gpd would be available for reclaimed water use. Assuming all buildings operating at a maximum usage for reclaimed water (~615,000 gpd), a potential shortfall of 349,000 gpd could occur.

This estimate is overly conservative in that peak building reclaimed water usage (cooling and toilet flushing) will not be occurring if buildings are not occupied and wastewater flows are not being generated, i.e., the University will not be fully cooling unoccupied buildings. Note that the Spring Semester ends in early May and the Fall Semester begins the last week of August, so residence halls occupancy is substantially reduced during the June-August time period. However, there is the possibility for a more moderate shortfall; for example, assuming cooling at 25% of maximum capacity at the University buildings, the potential shortfall could more reasonably be on the order of 110,000 gpd. Because such shortfalls were anticipated in the planning of the reclaimed water facility, the University has a 1 million gallon storage tank which is maintained for that reason and which can be drawn upon during times of need to meet demands. The storage tank is replenished when excess reclaimed water is available from the Water Reclamation Facility.

In addition, the University will continue to implement a program that aims at reducing its heating/cooling and electrical demands, especially during the summer/winter recess periods, including lowering/raising thermostats during periods of non-use on a campus-wide basis, a method which will be easier to introduce in newer and renovated buildings with more sophisticated control systems. Lastly, it should be noted the estimates provided are based on thirteen months' worth of historic reclaimed water generation. As new buildings contribute flows to the Water Pollution Control Facility, the amount of available reclaimed water increases up to the Water Reclamation Facility current capacity of 1 MGD.

Mansfield Town Council and Planning and Zoning Commission (May 28, 2014 Letter)

Comment 1

The University actively discourages resident students from bringing personal vehicles to campus. Only upper-class resident students with more than 54 academic credit hours may purchase parking permits. As a result, only 23% of on-campus residents bring their vehicles to campus. The on-campus resident student permit parking capacity has been reached. A wait-list has been established for those hoping for future accommodation.

Resident student parking permits do not provide access to parking that is conveniently located to most classroom spaces. For this reason there is no logistical incentive for resident students to drive from their residences to class. The use of vehicles by the resident students who bring them to campus is typically greatest after business hours, when few classes are held and traffic volume on the roadways is relatively low.

The first year residents assigned housing in the new STEM Residence Hall will lack the earned academic credit hours needed to pre-qualify them for on-campus parking. The residential student parking demand will therefore be unchanged by the opening of this residence.

University construction specifications will include contractor restrictions on the use of town roads and will be part of the STEM Residence Hall project documents. The vast majority of construction workers will be required to be on their work site by 7:00 a.m. each morning. The majority of the construction team members will depart the campus between the hours of 3:00 p.m. and 4:00 p.m. each weekday afternoon. The resulting travel patterns will fall before both the morning and evening peak commute periods. For these reasons, parking and transportation mitigation plans have not been proposed for immediate implementation. The impact to parking, traffic as well as the construction project, will be periodically assessed throughout the project. The University will continue to pursue the following on-going, long-term efforts associated with transportation and parking, that will also help to avoid or mitigate any adverse impacts: 1) The aggressive promotion of campus-wide ride-share/carpooling programs, 2) The enhancement or increase of the available public transportation options both locally through the on-campus shuttle and commercial bus services and regionally through partnerships with other transit authorities, 3) The stringent enforcement of on-campus parking regulations to control and reduce on- and off-campus scofflaw parking.

Comment 2

The University of Connecticut is undertaking a Comprehensive Master Plan to guide capital investment and operating funds at the University over the next 20 years and to specifically guide \$1.4 billion of capital investments associated with the recent Public Act 13-233, *An Act Concerning Next Generation Connecticut*. The Next Generation initiative (NextGen) is intended to significantly expand educational opportunities, research, and innovation in the science, technology, engineering, and math (STEM) disciplines at the University of Connecticut over the next decade.

The University has contracted with Skidmore, Owings and Merrill (SOM) to develop the Comprehensive Master Plan, also called the NextGenCT Master Plan, during the 2014 calendar year.

A traffic impact study is incorporated into the Master Plan effort and the evaluation of potential multi-modal transportation infrastructure on campus will occur as a part of the ongoing Master Planning efforts at the University. In addition, the Town of Mansfield is conducting an analysis of potential economic and municipal service benefits and impacts related to the implementation of the University of Connecticut's *Next Generation Connecticut Initiative* or *NextGenCT*. The analysis will include an assessment potential transportation service impacts and opportunities for shared transportation services.

Comment 3

The University supports the appropriate management and enforcement of parking areas. See response to Comment 1 above.

Comment 4

The University will instruct contractors to use routes that are least impactful to the town roads. Construction of the proposed residential building may result in traffic disruption along Alumni Drive and potentially in the vicinity of the intersection of Alumni Drive with Hillside Road due to lane closures and/or construction vehicles accessing the site. These impacts would be short-term, lasting only during construction. Significant

project-related traffic disruptions are not anticipated. However, potential traffic-related construction impacts would be mitigated by implementing appropriate traffic management measures, which would maintain efficient traffic operations during the construction period. These measures may include construction phasing to minimize disruptions to traffic, signage, detours, and police officers to direct traffic and assist with pedestrian street crossings as needed. Also see response Comment 1 above.

Comment 5

The University anticipates submitting a proposed plan to DEEP for the use of Well D during low-flow periods no later than August 2014. The University will seek approval for use of Well D as outlined in the Water Supply Plan, and will work with DEEP to develop a well management plan that includes river monitoring. The plan will provide guidance for well production that guards against adverse impacts to the river streamflow. The plan will be based on field data, and the data will inform a long term management strategy including permissible pump rates, frequency of use, and rest periods. As requested by DEEP, the University will provide a detailed plan for monitoring streamflow at locations to be determined to better define the streamflow gain of the river, as well as a plan for monitoring ground water levels in the vicinities of Well D and the river to assess and the river's response to pumping. The plan will also identify the usage patterns for discontinuing use or resting Well D, since it is dependent upon streamflow, weather and other considerations. The University expects to provide monitoring data collected in connection with the use of Well D during low flow periods to the DEEP at least on a weekly basis, or as otherwise requested by DEEP.

In addition, as stated in the EIE, the University is committed to mitigating the shortfall in peak day supply requirements that are projected to occur if the Connecticut Water Company connection is not finalized as scheduled. The University will identify and implement new water saving and conservation measures prior to the expected opening of the STEM Residence Hall. These measures will reduce on campus water consumption by accelerating ongoing water conservation efforts and replacing older, existing fixtures so that the overall reduction would offset the approximately 53,400 gpd average day demand expected to be attributable to the opening of the three new buildings.

Comment 6

A green roof area is proposed for a portion of the STEM Residence Hall building to further reduce effective impervious cover and stormwater runoff from the project site, as well as to enhance stormwater quality.

Stormwater management measures for the site will consist of a combination of Low Impact Development (LID) techniques and pollution prevention measures, as well as conventional stormwater management strategies, to address the impervious cover goals in the Eagleville Brook TMDL and *Eagleville Brook Watershed Management Plan* (Dietz & Arnold, 2011). Permeable pavement for new parking areas and plazas are not proposed for the project since the infiltration and pollutant removal goals are being met through the combined use of structural and non-structural stormwater approaches. Bioretention areas and new underground detention systems will treat and infiltrate water from the parking areas. Runoff will be pretreated using hydrodynamic separators prior to discharging to the underground detention systems. The drainage system will also include deep sump catch basins and non-structural source controls and pollution prevention measures (parking lot sweeping, catch basin cleaning, drainage system and stormwater treatment system operation and maintenance, etc.) to be implemented after construction of the proposed project.

The University will consider the impact of the NextGen program on stormwater utilities and water quality within Eagleville Brook, Roberts Brook and other receiving waters as part of its Master Plan process. During the master plan, the feasibility of LID and stormwater BMPs will be examined on a conceptual scale in order to reduce the quantity and improve quality to the above mentioned waters. Then as the Master Plan projects are developed, these conceptual plans will be designed and constructed either as part of the individual projects or as separate stormwater improvements.

Comment 7

The site design incorporates bioretention areas (also known as “rain gardens”) at the southeast corner of Nathan Hale Hall, the south side of Ellsworth Hall (both sides of the entrance), and various locations surrounding the new STEM Residence Hall. The existing approximately 935 square foot wetland area does not provide principal wetland functions or values and replication is not required or planned at this time. The proposed bioretention areas will enhance the water quality of the stormwater runoff through plant uptake and filtration through the bioretention planting soils.

Comment 8

Erosion and sedimentation control measures will be implemented for the construction of the new STEM residential building which will comply with the Connecticut Guidelines for Erosion and Sedimentation Control, as amended. The proposed controls may include protection of existing storm drains, temporary vegetative cover, perimeter sediment barriers such as silt fence, straw bales, and coir logs, temporary sediment basins, and anti-tracking pads at construction entrances.

The Connecticut Guidelines for Erosion and Sedimentation Control provides guidance on best management practices within areas of steep slopes, for example, breaking up steep slopes by benching, terracing or diversions to avoid erosion problems. Stabilization structures may be employed at the site to prevent soil erosion when slope gradients are considered to be too steep or water velocities on the slope are too high for the slope to remain stable with a vegetative cover. These structures may include retaining walls, riprap, gabions, permanent slope drain, channel grade stabilization structure, temporary lined chute and temporary pipe slope drains.

The specific erosion and sedimentation control measures will be determined during the development of the Erosion and Sediment Control Plan for the site required under the CTDEEP General Permit for the Discharge of Stormwater and Dewatering Wastewater Associated with Construction Activity.

Comment 9

New lighting for the project will incorporate measures to reduce light pollution trespass and skyglow. The University’s *Campus Sustainable Design Guidelines* cite a goal of providing site lighting that is sensitive to light pollution of the night sky and minimizes impacts on nocturnal environments. Listed strategies in this plan include the following (as cited from the Guidelines):

- Meet the light levels and uniformity ratios recommended by the Illuminating Engineering Society of North America (IESNA) Recommended Practice Manual: Lighting for Exterior Environments.²
- Design exterior light fixtures with shielding to prevent light spillage to the night sky per the following standards:
 - Exterior fixtures with output greater than 3500 lumens shall be Full Cutoff.

- Exterior fixtures with output less than 3500 lumens shall be Cutoff or Full Cutoff.
- Locate, aim, and shield all exterior light fixtures to minimize light trespass across campus boundaries.

The *University of Connecticut at Storrs Landscape Master Plan and Design Guidelines* also provide guidance relative to standardized exterior fixture selection.

Finally, since the building will be pursuing LEED certification, additional requirements relative to lighting will need to be followed to meet that certification as well.

- **Public Hearing Testimony and Responses**

Stephen Squires, Mansfield, CT – Summary of Comments in lieu of transcript

Comment 1 – The proposed height of the STEM Residence Hall seems high.

Response 1 – The STEM Residence Hall is proposed to be 8-9 stories. This is similar to the height of the 9-story Hale and Ellsworth Residence Halls adjacent to the proposed project site.

Comment 2 – The University’s rapid growth is not sustainable.

Response 2 – The University is in the process of developing a 20-year Comprehensive Master Plan to guide growth on the University’s Main and Depot Campuses. An Environmental Impact Evaluation (EIE) is also being prepared to assess the direct, indirect, and cumulative impacts of the Master Plan.

APPENDIX A. Proposed Guidance and LID checklists for UConn and Town of Mansfield

Guidance Document for Low Impact Development

Best Management Practices for UConn

June, 2011

In 2007, the Connecticut Department of Environmental Protection approved a Total Maximum Daily Load (TMDL) for the Eagleville Brook watershed in Mansfield, CT. Aquatic life impairments in the brook were the driving force behind development of this TMDL. Typically, a TMDL is written for a pollutant such as nitrogen, phosphorus, or bacteria. In this case, runoff from the impervious surfaces in the highly urbanized area of the UConn campus such as parking lots, buildings and roads was suspected to be causing the impairments in Eagleville Brook. Therefore, CT DEP approved this TMDL for impervious cover (IC), which is the first of its kind in the nation.

Typical development approaches do not provide adequate treatment for stormwater runoff from impervious areas, and receiving waters suffer a variety of impairments due to these human induced changes in the landscape. Stormwater runoff has been identified as one of the biggest causes of stream quality degradation.

When an undeveloped site is converted into residential housing or commercial areas, roads, roofs, parking lots and driveways replace the native vegetation and soils that were on the site. As would be expected, much more water runs off developed sites in response to rain storms. Pollutants, such as oil from vehicles, bacteria, nitrogen and phosphorus collect on the impervious surfaces and are washed off during precipitation events.

Low impact development (LID) is an approach that will help to minimize the impacts of traditional development, while still allowing for growth. Pioneered in Maryland¹, this approach is being successfully utilized throughout the country. LID has also been adopted as the preferred method of site design in the 2004 Connecticut Stormwater Quality Manual². In addition to protecting ecosystems and receiving waters, the LID approach can often result in cost savings on projects³.

The following areas of focus will help guide planning for your project:

1. *Assessment of natural resources.* Ideally, LID is considered early in the site planning process. The objective is to allow for development of the property, while maintaining the essential hydrologic functions of the site. A thorough assessment of the existing natural resources on the site needs to be performed, so that essential features can be preserved, and suitable sites for development can be identified.

2. *Preservation of open space.* Open space or conservation subdivision design can complement the LID approach. Conservation subdivisions provide a key way to protect natural resources while still providing landowners with the ability to develop their property. In most cases, the number of residential units allowed in a conservation subdivision equal the number allowed under conventional subdivision regulations.
3. *Minimization of land disturbance.* Once the development envelope is defined, the goal is to minimize the amount of land that needs to be disturbed. Undisturbed forest, meadow, and wetland areas have an enormous ability to infiltrate and process rainfall, providing baseflow to local streams and groundwater recharge. Construction equipment causes severe compaction of soils, so after development, even areas that are thought to be pervious such as grass, can be quite impervious to rainfall.
4. *Reduce and disconnect impervious cover.* With careful planning, the overall percentage of impervious cover in a proposed project can be minimized. Roads, driveways, sidewalks, parking lots, and building footprints can be minimized to reduce impacts, but still provide functionality. Additionally, not all impervious surfaces have the same impact on local waterways. With proper planning, runoff from impervious surfaces can be directed to pervious areas such as grass or forest, or to LID treatment practices.
5. *LID practices installed.* There are a variety of practices that can be used to maintain the pre-development hydrologic function of a site. For more detail on the following practices, see the references below:

- Bioretention areas or rain gardens are depressed areas in the landscape that collect and infiltrate stormwater.

- Vegetated swales can be used to convey runoff instead of the typical curb and gutter system, and they can also infiltrate and filter stormwater.

- Water harvesting techniques can be employed, so that stormwater can be a resource rather than a waste product.

- Pervious pavements allow rainfall to pass through them, and can be installed instead of traditional asphalt or concrete.

- Green roofs can reduce stormwater runoff through evaporation and transpiration through plants, and they also can help save on heating/cooling costs.

LID represents a change from typical design approaches. Proper installation and maintenance of LID practices is critical to their performance. Therefore, installation should be performed by someone with LID experience to avoid costly mistakes.

With proper design and installation, LID can provide multiple benefits including decreased construction costs, reduced impacts to receiving waters, increased habitat for wildlife, beautiful landscape features, and increased property values.

References

- ¹Prince George's County, Maryland. 1999. Low-Impact Development Design Strategies: An Integrated Design Approach. MD Department of Environmental Resources, Programs and Planning Division.
- ²CT DEP. 2004. Connecticut Stormwater Quality Manual. Department of Environmental Protection. 79 Elm St., Hartford CT. Available at Mansfield Town Hall, or online at http://www.ct.gov/dep/cwp/view.asp?a=2721&q=325704&depNav_GID=1654
- ³US EPA. 2007. Reducing Stormwater Costs through Low Impact Development (LID), Strategies and Practices. EPA Publication number 841-F07-006.

UConn Low Impact Development (LID) Site Planning and Design Checklist

Items listed below need to be considered by developers in the creation of site plans. Due to individual site differences, not all items will apply to each individual site. Check items that have been applied, or explain why the items have not been used. For more information on LID practices and how to implement them please refer to the 2004 Connecticut Stormwater Quality Manual. Where applicable, references have been made to the appropriate section of the University of Connecticut Campus Sustainable Design Guidelines (SDGs) (JJR & Smithgroup, 2004).

1. Assessment of Natural Resources (See SDGs, page 7, Goal 1)

- ☒ Natural resources and constraints have been indicated and are identified on the plans (wetlands, rivers, streams, flood hazard zones, meadows, agricultural land, tree lines, slopes [identified with 2 foot contours], soil types, exposed ledge & stone walls.
- ☒ Onsite soils have been assessed to determine suitability for stormwater infiltration, and identified on plans.

[Refer to C2.00 and C2.01 for existing conditions. Refer to the Flood Management Certification for soils mapping. Refer to the Geotechnical Report for soil infiltration testing results.](#)
- ☒ Natural existing drainage patterns have been delineated on the plan and are proposed to be preserved or impacts minimized.
- ☐ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*
[Refer to the Flood Management Certification for drainage delineations](#)

2. Minimization of Land Disturbance (See SDGs, page 7, Goal 2)

- ☐ The proposed building(s) is/are located where development can occur with the least environmental impact (for projects that have NOT had an Environmental Impact Evaluation as required under CT Environmental Policy Act).
- ☒ Disturbance areas have been delineated to avoid unnecessary clearing or grading.
- ☐ Plan includes detail on construction methods and sequencing to minimize compaction of natural and future stormwater areas.

- ☒ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*
An environmental Impact Evaluation has been prepared for this project.

Design/Builder to provide details on construction means, methods, and sequencing.

3. Reduce and Disconnect Impervious Cover (See SDGs, page 11, Goal 1)

- ☒ Impervious surfaces have been kept to the minimum extent practicable, using the following methods (check which methods were used):
- ☐ Minimized road widths
 - ☐ Minimized driveway area
 - ☒ Minimized sidewalk area
 - ☒ Minimized building footprint
 - ☒ Minimized parking lot area
- ☒ Impervious surfaces have been disconnected from the stormwater system, and directed to appropriate pervious areas, where practicable. Pervious areas may be LID practices, or uncompacted turf areas.
- ☐ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*
Fire apparatus access requirements dictated drive/walk widths. Pedestrian volumes (students changing classes) as well as desire lines influenced walk widths.
-
-

4. LID Practices Installed (See SDGs, page 11, Goal 1)

- ☒ Sheet flow is used to the maximum extent possible to avoid concentrating runoff.
- ☒ Vegetated swales have been installed adjacent to driveways and/or roads in lieu of a curb and gutter stormwater collection system.
- ☒ Rooftop drainage is discharged to bioretention/rain gardens.
- ☒ Rooftop drainage is discharged to drywell or infiltration trench.
- ☐ Rain water harvesting methods such as rain barrels or cisterns have been installed to manage roof drainage.
- ☒ Driveway, roadway, and/or parking lot drainage is directed to bioretention/rain gardens.
- ☒ Cul-de-sacs include a landscaped bioretention island.
- ☒ Vegetated roof systems have been installed.

☐ Pervious pavements have been installed.

☒ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*

No irrigation is proposed for the project, therefore, there is not a use for rainwater
harvesting for irrigation. The project is using reclaimed water from the campus reclaimed
water distribution system for gray water uses, therefore making rainwater harvesting
unnecessary. Due to low infiltration rates pervious pavement was not a viable method for
stormwater treatment or attenuation.

Guidance Document for Low Impact Development
Best Management Practices for Town of Mansfield, CT
April, 2011

Similar to many towns in Connecticut, Mansfield has seen increased interest in balancing community growth and environmental conservation. When an undeveloped site is converted into residential housing or commercial areas, roads, roofs, parking lots and driveways replace the native vegetation and soils that were on the site. As would be expected, much more water runs off developed sites in response to rain storms. Pollutants, such as oil from vehicles, bacteria, nitrogen and phosphorus collect on the impervious surfaces and are washed off during precipitation events. Typical development approaches do not provide adequate treatment for this stormwater, and receiving waters suffer a variety of impairments due to these human induced changes in the landscape. Stormwater runoff has been identified as one of the biggest causes of stream quality degradation.

Low impact development (LID) is an approach that will help to minimize the impacts of traditional development, while still allowing for growth. Pioneered in Maryland¹, this approach is being successfully utilized throughout the country. LID has also been adopted as the preferred method of site design in the 2004 Connecticut Stormwater Quality Manual². In addition to protecting ecosystems and receiving waters, the LID approach can often result in cost savings on projects³.

The following areas of focus will help guide planning for your project:

1. *Assessment of natural resources.* Ideally, LID is considered early in the site planning process. The objective is to allow for development of the property, while maintaining the essential hydrologic functions of the site. A thorough assessment of the existing natural resources on the site needs to be performed, so that essential features can be preserved, and suitable sites for development can be identified.
2. *Preservation of open space.* Cluster subdivision design can complement the LID approach. Cluster subdivisions provide a key way to protect natural resources while still providing landowners with the ability to develop their property. In most cases, the number of residential units allowed in a cluster subdivision equals the number allowed under conventional subdivision regulations.
3. *Minimization of land disturbance.* Once the development envelope is defined, the goal is to minimize the amount of land that needs to be disturbed. Undisturbed forest, meadow, and wetland areas have an enormous ability to infiltrate and process rainfall, providing

baseflow to local streams and groundwater recharge. Construction equipment causes severe compaction of soils, so after development, even areas that are thought to be pervious such as grass, can be quite impervious to rainfall.

4. *Reduce and disconnect impervious cover.* With careful planning, the overall percentage of impervious cover in a proposed project can be minimized. Roads, driveways, sidewalks, parking lots, and building footprints can be minimized to reduce impacts, but still provide functionality. Additionally, not all impervious surfaces have the same impact on local waterways. With proper planning, runoff from impervious surfaces can be directed to pervious areas such as grass or forest, or to LID treatment practices. It should be noted that every project is unique, and not every LID practice will be appropriate. For example, sidewalks or bike paths may be an asset to a new subdivision, if there is some connection to existing pedestrian travel routes. However, sidewalks may not be needed in other settings, and would add unnecessary costs and impervious cover. The objective is to evaluate each site individually and determine the most appropriate management techniques to reduce impacts to waterways.

5. *LID practices installed.* There are a variety of practices that can be used to maintain the pre-development hydrologic function of a site. For more detail on the following practices, see the references below:

- Bioretention areas or rain gardens are depressed areas in the landscape that collect and infiltrate stormwater.

- Vegetated swales can be used to convey runoff instead of the typical curb and gutter system, and they can also infiltrate and filter stormwater.

- Water harvesting techniques can be employed, so that stormwater can be a resource rather than a waste product.

- Pervious pavements allow rainfall to pass through them, and can be installed instead of traditional asphalt or concrete.

- Green roofs can reduce stormwater runoff through evaporation and transpiration through plants, and they also can help save on heating/cooling costs.

LID represents a change from typical design approaches. Proper installation and maintenance of LID practices is critical to their performance. Therefore, installation should be performed by someone with LID experience to avoid costly mistakes.

With proper design and installation, LID can provide multiple benefits including decreased construction costs, reduced impacts to receiving waters, increased habitat for wildlife, beautiful landscape features, and increased property values.

References

- ¹Prince George's County, Maryland. 1999. Low-Impact Development Design Strategies: An Integrated Design Approach. MD Department of Environmental Resources, Programs and Planning Division.
- ²CT DEP. 2004. Connecticut Stormwater Quality Manual. Department of Environmental Protection. 79 Elm St., Hartford CT. Available at Mansfield Town Hall, or online at http://www.ct.gov/dep/cwp/view.asp?a=2721&q=325704&depNav_GID=1654
- ³US EPA. 2007. Reducing Stormwater Costs through Low Impact Development (LID), Strategies and Practices. EPA Publication number 841-F07-006.

Town of Mansfield Low Impact Development (LID) Site Planning and Design Checklist

Items listed below need to be considered by developers when submitting plans for subdivisions. Due to individual site differences, not all items will apply to each individual property. Check items that have been applied, or explain why the items have not been used. For more information on LID practices and how to implement them please refer to the 2004 Connecticut Stormwater Quality Manual.

1. Assessment of Natural Resources

- ☒ Natural resources and constraints have been indicated and are identified on the plans (wetlands, rivers, streams, flood hazard zones, meadows, agricultural land, tree lines, slopes [identified with 2 foot contours], soil types, exposed ledge & stone walls.
- ☐ Is the property shown on the latest copy of CT DEP State and Federal Listed Species and Significant Natural Communities Map as listed in the Natural Diversity Data Base (NDDDB)? If so, provide a copy of the CT DEP NDDDB request form and CT DEP reply letter.
- ☐ Development is designed to avoid critical water courses, wetlands, and steep slopes.
- ☐ Soils suitable for septic & stormwater infiltration have been identified on plans.
- ☒ Soil infiltration rate/permeability has been measured and listed on plan:

See sheet# Infiltration Rates are identified in the geotechnical report

- ☒ Onsite soils have been assessed to determine suitability for stormwater infiltration.
- ☒ Natural existing drainage patterns have been delineated on the plan and are proposed to be preserved or impacts minimized.
- ☒ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*

The property is not an area with listed significant species or natural communities as identified by NDDDB mapping. Infiltration rates listed in the geotechnical report indicate soils are not suitable for infiltration.

Although water courses and wetlands are being avoided, existing site topography and programmatic requirements left little leeway for avoiding steep slopes.

2. Preservation of Open Space

- ☐ Percent of natural open space calculation has been performed.

Percent= 85%

- NA ☐ An open space or cluster subdivision design has been used.
- ☒ Open space/common areas are delineated.
- ☐ Open space is retained in a natural condition.
- NA ☐ Reduced setbacks, frontages, and right-of-way widths have been used where practicable.
- ☐ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*

Site topography and extent of building program did not allow for extensive retention of natural conditions.

3. Minimization of Land Disturbance

- ☒ The proposed building(s) is/are located where development can occur with the least environmental impact.
- ☒ Disturbance areas have been delineated to avoid unnecessary clearing or grading.
- ☒ Native vegetation outside the immediate construction areas remains undisturbed or will be restored.
- ☐ Plan includes detail on construction methods and sequencing to minimize compaction of natural and future stormwater areas.
- ☐ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*

Design/Builder to submit detailed construction means, methods and sequencing

4. Reduce and Disconnect Impervious Cover

- ☐ Impervious surfaces have been kept to the minimum extent practicable, using the following methods (check which methods were used):
 - ☐ Minimized road widths
 - ☐ Minimized driveway area
 - ☒ Minimized sidewalk area
 - ☐ Minimized cul-de-sacs
 - ☒ Minimized building footprint
 - ☒ Minimized parking lot area
- ☒ Impervious surfaces have been disconnected from the stormwater system, and directed to appropriate pervious areas, where practicable. Pervious areas may be LID practices, or uncompacted turf areas.
- ☐ *For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:*
Fire apparatus access requirement dictated drive/walk widths and geometry as well as desire lines and pedestrian volume.

5. LID Practices Installed

- ☒ Sheet flow is used to the maximum extent possible to avoid concentrating runoff.
- ☒ Vegetated swales have been installed adjacent to driveways and/or roads in lieu of a curb and gutter stormwater collection system.
- ☒ Rooftop drainage is discharged to bioretention/rain gardens.
- ☒ Rooftop drainage is discharged to drywell or infiltration trench.
- ☐ Rain water harvesting methods such as rain barrels or cisterns have been installed to manage roof drainage.
- ☒ Driveway, roadway, and/or parking lot drainage is directed to bioretention/rain gardens.
- ☒ Cul-de-sacs include a landscaped bioretention island.
- ☒ Vegetated roof systems have been installed, if appropriate.
- ☐ Pervious pavements have been installed, if appropriate.

For items not checked, please use the space below to explain why that item was not appropriate or possible for your project, or any other pertinent information:

No irrigation is proposed for the project, therefore, there is not a use for rainwater harvesting for irrigation. The project is using reclaimed water from the campus reclaimed water distribution system for gray water uses, therefore making rainwater harvesting unnecessary. Due to low infiltration rates pervious pavement was not a viable method for stormwater treatment or attenuation.



STATE OF CONNECTICUT

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION

OFFICE OF ENVIRONMENTAL REVIEW

79 ELM STREET, HARTFORD, CT 06106-5127

To: Paul Ferri - Environmental Compliance Analyst
UConn - Office of Environmental Policy, 31 LeDoyt Road, U-3055, Storrs, CT

From: David J. Fox - Senior Environmental Analyst **Telephone:** 860-424-4111

Date: June 6, 2014 **E-Mail:** david.fox@ct.gov

Subject: STEM Residence Hall

The Department of Energy & Environmental Protection (DEEP) has reviewed the Environmental Impact Evaluation for the proposed construction of a Science, Technology, Engineering and Math (STEM) residence hall on Alumni Drive on the Storrs campus. The following commentary is submitted for your consideration.

The Department acknowledges and appreciates the efforts of the University to conserve water, with ongoing campus-wide conservation programs and the proposals to utilize reclaimed water, where feasible, in new development projects. However, until the proposed interconnection with the Connecticut Water Company is operational, there continues to be a concern over the ability to reliably provide water supply to meet the increased demand of this project, in conjunction with the new Engineering & Science Building and the Innovative Partnership Building. The projection for this building, 28,000 gallons per day (gpd), is slightly more than the 24,125 gpd cited in the *Potential Sources of Water Supply Environmental Impact Evaluation* in 2015 for NextGenCT. In addition, with the projection for the other two projects, total incremental demand would be 58,400 gpd or 34,275 gpd more than calculated in the water supply EIE, which did not include demand from the Tech Park in 2015. This would put adjusted demand with margin of safety at 1,833,028 gpd, very slightly over the 1,830,000 gpd existing supply. Moreover, this supply presumes use of Fenton Well D, as discussed in the *Wellfield Management Plan* and *Water Supply Plan*. The adjusted demand of 1.56 million gallons per day (MGD) exceeds safe yield of Willimantic wellfield (1.48 MGD), even without margin of safety or demand from these projects.

The EIE notes that regulatory approval would be required so that Fenton Well D could be pumped at 0.35 MGD even under low-flow conditions when, through a management plan approved under an MOA between UCONN and the Water Planning Council, the Fenton well field is shut down. Although the proposal to pump Fenton Well D was made to DEEP several years ago and has merit, DEEP raised concerns that the maximum pumping rate would not be sustainable, and did not sign off on the proposal. DEEP recommended a more detailed proposal for testing be submitted for review. In May of 2013, a draft proposal was discussed between UCONN and DEEP staff. Neither a formal proposal nor the results of any testing have been submitted to DEEP. DEEP therefore has significant concerns about the ability of the university to meet water demand for the new projects under low stream flow conditions until the interconnection is achieved. The dormitory is projected to be opened in August 2016 (the first of

the three projects to come online) and it appears that the Fenton well may be needed for supply as opposed to margin of safety. Therefore, we recommend that the University promptly proceed with supplying the information needed to obtain approval for the use of Fenton Well D under low flow conditions.

The document conceptually describes various elements of the proposed stormwater management design, including bioretention areas, green roof, and perforated underground detention systems. These concepts are consistent with a discussion held in March among UConn, their consultants and DEEP staff. Normally, during CEPA review the Department attempts to identify potential issues of concern that should be addressed during subsequent permitting. However, in this case, the application for Flood Management Certification has already been submitted.

Surface water runoff volume reduction under all flow conditions, in addition to the goal of not exceeding pre-1993 University development peak flow rates, is an important objective to assist in meeting the Eagleville Brook TMDL analysis. The University is encouraged to provide documentation of use of the *Guidance Document and Checklist for Low Impact Development Best Management Practices for UConn*, developed by the UConn CLEAR program staff, as part of the Response Plan for the Eagleville Brook Impervious Cover TMDL (2011).

All project phases should fully embrace a core objective of maintaining current site hydrology by means of the four-pronged management strategy identified in the Eagleville Brook TMDL response documents - the project technical report (2010) and the watershed-based plan (2011). To recap, the elements are to: 1) reduce impervious surface areas; 2) disconnect impervious surface areas; 3) minimize additional disturbances to existing natural buffering capacity (this could include the 3.5 acres of somewhat permeable lawns and recreational fields, and the loss of functional values associated with the 935 square feet of inland wetlands to be displaced); and 4) install engineered Best Management Practices.

The document briefly reports an initial site characterization to determine current soil suitability properties for designing the proposed bioretention areas. Site suitability should be further investigated and include practical options for incorporating engineered media and infiltrating practices to maximize on-site water quality treatment and infiltration. Such assessment should take place in addition to incorporating appropriate erosion and sediment control measures during the construction phase, as well as implementing the Stormwater Pollution Control Plan as required by the *General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities*.

The proposal for a vegetated green roof installation is appropriate to mitigate for the building's extensive impervious surface area. The design can be enhanced by incorporating elements that provide accessibility for STEM scholars and other students and staff involved in this dorm's learning community, yielding appropriate teaching moments and study projects for many in the STEM program.

The University should provide calculated estimates of the percentage change of total, as well as effective, impervious area (IA) with this project. This should be followed by reporting final calculations after project completion to the CLEAR program, for the purpose of assessing impacts to the target IA reductions identified in the Eagleville Brook TMDL.

The document describes the proposed loss of a small wetland on the proposed project site. The loss of this wetland area, approximately the same size as recent bioretention areas installed elsewhere on this campus, should be assessed in terms of assimilative functions that may be incorporated in the proposed bioretention areas on this site. Such information would better document the University's decision making in support of restoring the water quality impairments of the receiving Eagleville Brook. Such information would be reviewed independent of mitigation measures permitted under the CTDEEP *General Permit for Water Resource Construction Activities* and subject to the conditions of the U.S. Army Corps of Engineers Connecticut General Permit.

7

The dormitory will have its own heating, cooling, hot water and backup generator systems. Page 24 notes that all stationary sources will comply with applicable regulations and permit conditions, including the University's existing Title V permit. The Air Engineering & Enforcement Division has contacted the University to obtain additional information concerning this and other planned projects to ensure that the University remains in regulatory compliance.

8

Based on the most recent information submitted by Mr. Mark Bolduc, Environmental Compliance Analyst from UCONN, it was determined that the STEM residence hall needs an 800 kW generator for emergency power. However, there are plans to installed three 500 kW generators to cover emergency power for the STEM /Putnam/Hale/Ellsworth Hall Complex. The emergency engines will operate under Regulations of Connecticut State Agencies (RCSA) §22a-174-3b(e), "Permit by rule." The natural gas fired boilers and hot water heaters do not trigger the applicability of RCSA §22a-174-3a. As such New Source Review Permits are not required.

Based on the projection of proposed emissions for criteria pollutants submitted by UCONN, the project will not trigger a major modification under RCSA §22a-174-3a. Since the Title V permit was renewed on April 30, 2014 (Expiration date: April 30, 2019), UCONN will submit minor modification(s) to the Title V permit to include state and federal requirements for the equipment. Future changes to the specifications for the equipment may impact the analysis done at the time of this review.

Page 61 notes that "potential air quality impacts from diesel exhausts would be avoided or limited by proper operation and maintenance of construction equipment, and prohibition of excessive idling of engines." As stated in our scoping comments, the Department typically encourages the use of newer off-road construction equipment that meets the latest EPA or California Air Resources Board (CARB) standards. If that newer equipment cannot be used, equipment with the best available controls on diesel emissions including retrofitting with diesel oxidation catalysts or particulate filters in addition to the use of ultra-low sulfur fuel would be the second choice that can be effective in reducing exhaust emissions. The use of newer equipment that meets EPA standards would obviate the need for retrofits.

9

The Department also encourages the use of newer on-road vehicles that meet either the latest EPA or California Air Resources Board (CARB) standards for construction projects. These on-road vehicles include dump trucks, fuel delivery trucks and other vehicles typically found at construction sites. On-road vehicles older than the 2007-model year typically should be retrofitted with diesel oxidation catalysts or diesel particulate filters for projects. Again, the use of newer vehicles that meet EPA standards would eliminate the need for retrofits.

Additionally, Section 22a-174-18(b)(3)(C) of the RCSA limits the idling of mobile sources to 3 minutes. This regulation applies to most vehicles such as trucks and other diesel engine-powered vehicles commonly used on construction sites. Adhering to the regulation will reduce unnecessary idling at truck staging zones, delivery or truck dumping areas and further reduce on-road and construction equipment emissions. Use of posted signs indicating the three-minute idling limit is recommended. It should be noted that only DEEP can enforce Section 22a-174-18(b)(3)(C) of the RCSA. Therefore, it is recommended that the project sponsor include language similar to the anti-idling regulations in the contract specifications for construction in order to allow them to enforce idling restrictions at the project site without the involvement of the Department.

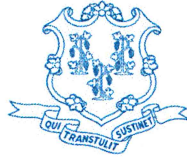
Thank you for the opportunity to review this proposal. If there are any questions concerning these comments, please contact me.

cc: Jeff Caiola, DEEP/IWRD
Corinne Fitting, DEEP/WPSD
Robert Hannon, DEEP/OPPD
Lidia Howard, DEEP/AEED
Rob Hust, DEEP/WPSD
Anna Laskin, DEEP/IWRD
Nisha Patel, DEEP/WPED
Ellen Pierce, DEEP/APSD
Eric Thomas, DEEP/WPSD

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Jewel Mullen, M.D., M.P.H., M.P.A.
Commissioner



Dannel P. Malloy
Governor
Nancy Wyman
Lt. Governor

June 6, 2014

Jason Coite
UCONN—Office of Environmental Policy
31 LeDoyt Road, U-3055
Storrs, CT 06269

Re: Notice of Environmental Impact Evaluation (EIE) for Science Technology Engineering and Math (STEM) Residence Hall

Dear Mr. Coite:

The Department of Public Health (DPH) Drinking Water Section (DWS) has reviewed the above Notice of EIE for the proposed University of Connecticut (UCONN) STEM Residence Hall next to the Hilltop Residence Halls (Hale and Ellsworth) on Alumni Drive. The proposed residence hall will consist of up to 850 beds in an eight or nine-story building or buildings totaling up to 265,000 gross square feet. The STEM Residence Hall would provide housing for first-year students and is part of the capital project initiatives in support of Next Generation Connecticut (NextGenCT), a program intended to significantly expand educational opportunities, research, and innovation in the STEM disciplines at UCONN over the next decade.

Based upon the information provided at the Public Scoping meeting held in March, UCONN is currently developing a Master Plan for NextGenCT that will be publicly vetted through the Connecticut Environmental Policy Act process of Scoping and Environmental Impact Evaluation development. However, UCONN anticipates the need for this building prior to completion of the Master Plan; therefore it is being noticed separately from the Master Plan.

The DWS offers the following comments for your consideration:

- The STEM Residence Hall will not be located within a public water supply source water area; therefore the DWS has no source protection related comments to offer. | 1
- As noted in the EIE, the timing of activation of the interconnection with the Connecticut Water Company (CWC) is critical to ensure an adequate supply of drinking water with a margin of safety during peak use periods. The DWS understands that CWC is currently on track to meet its schedule and is currently going through the environmental permitting | 2



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process for numerous aspects of the interconnection. UCONN is encouraged to continue to coordinate with CWC on scheduling of the implementation of this interconnection.

- If CWC's progress is stalled and the interconnection is not available for use prior to the opening of the STEM Residence Hall along with the Innovative Partnership Building (IPB) and the New Engineering and Science Building, UCONN has proposed mitigation measures meant to accommodate maximum day demands. UCONN should provide additional documentation that demonstrates that these mitigation measures will achieve the goal of reliably meeting maximum day demands with the margin of safety as noted by the EIE. Specifically:

- UCONN should provide details of its efforts to date be able to use of Fenton Well D during low stream flow periods and the action items remaining. A schedule for achieving the action items and an estimate of the anticipated quantity of water that will be available under this scenario should be provided.
- The EIE indicates that UCONN may be able to meet maximum day demands by drawing "modestly" on its storage capacity. UCONN should quantify what is meant by "modestly" and indicate how this modest withdrawal will be replaced during low stream flow, high demand periods.
- In the DWS scoping comments, it was requested that the EIE explore the feasibility of using reclaimed water from the Reclaimed Water Facility for non-potable uses. The EIE indicates that reclaimed water will be used for toilet flushing at the STEM Residence Hall, the IPB and the New Engineering and Science Building; however the feasibility remains to be quantified. The DWS is concerned that peak use of reclaimed water for the Central Utility Plant could coincide with low sanitary sewerage flows, limiting the amount waste water available for reclamation and distribution. UCONN should provide estimates that indicate that the anticipated reclaimed water demand in the STEM Residence Hall, the IPB and the New Engineering and Science Building can be met year-round and especially under the noted scenario.

If you have any questions regarding these comments, you may contact me at (860)509-7333.

Sincerely,



Lori Mathieu
Public Health Section Chief
Drinking Water Section

Cc: Robert Miller, Eastern Highlands Health District
David Radka, Connecticut Water Company
Mandy Smith, DWS



Elizabeth C. Paterson, Mayor

AUDREY P. BECK BUILDING
FOUR SOUTH EAGLEVILLE ROAD
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(860) 429-3330
Fax: (860) 429-6863

May 28, 2014

Mr. Paul Ferri
UConn Office of Environmental Policy
31 LeDoyt Road, U-3055
Storrs, Connecticut 06269

Subject: STEM Residence Hall Environmental Impact Evaluation (EIE)

Dear Mr. Ferri:

The Mansfield Town Council and Planning and Zoning Commission (PZC) offer the following recommendations with regard to the proposed STEM residence hall off Alumni Drive. These comments should be considered in addition to our March 19, 2014 correspondence provided in response to the scoping process.

- *Traffic and Transportation.* We strongly encourage the University to implement the mitigation measures identified in the report prior to opening the building. Transportation Demand Management, expansion of public transportation options and decreasing resident students demand for cars can all serve to mitigate traffic as the University expands. Additionally, the University should periodically evaluate and reassess the effectiveness of these approaches and provide the Town with a report detailing the results.

1

Given the extent of future expansion contemplated by *NextGenCT*, we restate our request that the campus-wide master plan currently being prepared include a comprehensive, multi-modal transportation plan for the build-out of the campus that considers impacts to the local transportation network, including off-campus improvements for vehicular, pedestrian, bike and transit circulation. Transportation initiatives should be designed to integrate with the Nash Zimmer Transportation Center at Storrs Center. This facility currently provides a central location for students, faculty and town residents to access University, WRTD and Peter Pan bus services. As noted above with regard to the mitigation measures proposed for this project, the transportation plan should also include performance measures and a framework for reporting and modifying approaches as needed.

2

With regard to enforcement of off-campus parking, the Town has three primary programs that it is actively implementing.

3

- *Residential Parking.* As part of the Town's rental certification program, owners of structures containing up to 3 rental units are required to prepare and implement a parking plan for both resident and guest parking. Compliance is monitored by the Department of Building



and Housing Inspection.

- *On-Street Parking.* On street parking is monitored and enforced by Central Parking and the Resident Trooper in Storrs Center and by the Resident Trooper in other areas.
- *Commercial Parking.* As part of Storrs Center, the Town has created a parking collaborative that provides for enforcement of time limitations on both public and private property. Under this new collaborative, private lot owners have the ability to ticket vehicles in addition to having vehicles towed.

Lastly, it is imperative that the University instruct its construction contractors to use state roads, not local roads, to access the site to minimize the potential for disturbance in neighborhoods adjacent to campus.

- *Water Supply.* As the University is well aware, Mansfield has long been concerned with the impact of the Fenton River wellfield on the river and particularly since the events of 2005. We understand that the reference to using Well D intermittently is said in order to demonstrate that the University can meet Margin of Safety requirements on peak demand days and that actual use of Well D would not be needed unless the University's stored water supplies were unavailable. However, should the well need to be put into production during drought conditions, our concerns regarding impacts to streamflow remain. Accordingly, we offer the following comments:

- If the Connecticut Water Company interconnection has not been completed prior to the opening of this building, any use of Well D should be only with prior approval by CT DEEP. The University should provide DEEP with detailed operational plans that include ceasing use of the well if impacts to streamflow are identified during drought periods and the planned restrictions on water usage that would be implemented if well production was ceased.
- Streamflow monitoring stations should be installed in appropriate locations to ensure that use of Well D does not negatively impact streamflow. DEEP should be actively involved in monitoring streamflow when the well is in use during drought periods.
- The University should continue to promote water conservation through mandatory water usage restrictions during droughts, make improvements to facilities to reduce water consumption, connect additional buildings to the Reclaimed Water Facility and make operational changes.

- *Stormwater.* We were pleased to see that a green roof is contemplated for a portion of the residence hall. The use of green roofs should be maximized to the greatest extent possible to reduce the overall effect of impervious cover of this project, thereby reducing stormwater runoff. Furthermore, as the site is located within the Eagleville Brook Watershed, the University is strongly encouraged to use permeable materials for new parking areas and plazas associated with the residence hall. Lastly, we urge the University to prepare a stormwater master plan as part of the campus-wide master planning effort. The plan should emphasize the use of Low Impact Development (LID) stormwater management practices and reductions to effective impervious cover. These approaches should be used throughout campus and not only within the Eagleville Brook watershed.

- *Wetland Impacts.* Construction of the proposed residence hall will result in the elimination of a approximately 935 square feet of wetlands. Although isolated and with limited wetland value and functions, the loss of this wetland should be mitigated through the creation of a new wetland elsewhere on campus at a suitable location determined by the University. Additionally, the University should consider other mitigation measures, such as the construction of a rain garden near the site of the existing wetland. 7

- *Erosion and Sedimentation Controls.* As portions of the site involve steep slopes of 10% or greater, the installation of appropriate erosion and sedimentation controls are essential. Construction documents should also identify a specific monitoring program to ensure those controls are functioning as designed. 8

- *Lighting.* All new lighting installed as part of this project should be Dark Sky compliant with full shield cutoffs to reduce light pollution. 9

If you have any questions regarding these comments, please contact Linda Painter, Director of Planning and Development.

Sincerely,

Elizabeth C. Paterson

Elizabeth C. Paterson
Mayor

JoAnn Goodwin
JoAnn Goodwin
Chair, Mansfield PZC

Cc: Town Council
Planning and Zoning Commission
Conservation Commission




Board of Trustees

**PRESENTED UNDER
INSTITUTIONAL ADVANCEMENT REPORT**

Wednesday, June 25, 2014

June 25, 2014

TO: Members of the Board of Trustees

FROM: Tysen Kendig, Vice President for Communications 

RE: Memorandum of Understanding between the University of
Connecticut and University of Connecticut Alumni Association

RECOMMENDATION:

That the Board of Trustees approve a Memorandum of Understanding (MOU) between the University of Connecticut Alumni Association and the University of Connecticut, which covers a six-month period between July 1, 2014 and December 31, 2014. The MOU establishes fundamental goals and objectives shared by the University and the Association in the area of alumni relations, as well as the financial arrangements agreed upon by the University and the Association to accomplish these goals and objectives, in addition to addressing other matters.

BACKGROUND:

For several years, the UConn Alumni Association and the University have entered into annual agreements that outline the relationship between the two entities and the responsibilities of the Association with respect to alumni relations on behalf of UConn. The University has designated the Association as the primary alumni relations entity for UConn and agreed to reimburse the Association for appropriate portions of carrying out this responsibility.

Until last year, these annual agreements have been adjusted by the University administration. Keeping in line with a recommendation made by state auditors that formal approval of agreements of this size and nature be granted by the Board of Trustees, this MOU has been unanimously forwarded by the Institutional Advancement committee for review and consent by the Board.

The fiscal 2015 MOU is substantially similar to the fiscal 2014 MOU with regard to the nature of the relationship between the Association and the University. The most significant change involves a reduction in the time frame of the MOU from one year to six months. The rationale is that for several years, the Association has discussed moving to an all-inclusive, non-dues based membership model incorporating all living alumni. The University is supportive of that effort, and limiting the MOU to six months allows for appropriate mid-year adjustments to be made as necessary based on the membership model decision and the financial considerations it carries.

Some key provisions of the MOU are:

- Continued funding of salary and benefits for one part-time and two full-time Directors of Alumni Relations, Association employees assigned to serve three UConn academic colleges/schools;
- Continued funding of salary and benefits for an Assistant Vice President for Alumni Relations/Executive Director of the UConn Alumni Association, a University employee assigned to the Association;
- Continued funding of salary and benefits for an editor, designer, and marketing specialist, three existing University positions whose jobs will primarily serve alumni and the interests and needs of the Association;
- Continued funding for compilation, publishing, and distribution of the *UConn* magazine, a primary communications and engagement tool produced by the University for Association members;
- Addition of language that outlines state statutory provisions in the event of dissolution of the Association. Inclusion of such language has been recommended by counsel and is consistent with language appearing in the MOU between the University and UConn Foundation.