

Agendum  
Oakland University  
Board of Trustees Informal Session  
October 13, 2016

**FISCAL YEAR 2018 FIVE-YEAR CAPITAL OUTLAY PLAN AND FISCAL YEAR 2018  
CAPITAL OUTLAY PROJECT REQUEST**

**A Recommendation**

1. **Division and Department:** Academic Affairs, Operations and Finance, and Facilities Management Department.
  
2. **Introduction:** Annually, Oakland University (University) is required to submit its Five-Year Capital Outlay Plan (Plan, Attachment A) and top priority Capital Outlay Project Request (Project Request, Attachment B) to the State of Michigan, State Budget Office. The submissions must include a five-year capital plan, long-term projections for enrollment, staffing and program development, and other information designed to help the State understand the University's capital needs.  
  
Colleges and universities submit only their top priority Capital Outlay Request. The University is submitting the South Foundation Hall Expansion as its Project Request (see Attachment B). The Plan and Project Request are required to be submitted to the State Budget Office by November 1, 2016.
  
3. **Previous Board Action:** On October 22, 2015, the Board of Trustees (Board) approved the Fiscal Year 2017 Five-Year Capital Outlay Plan and Fiscal Year 2017 Capital Outlay Project Request.
  
4. **Budget Implications:** Funding to address a portion of the plant renewal items identified in the Plan is budgeted annually. Funding for the University's Project Request would be provided through capital appropriations (maximum of 75% of project costs, up to \$30 million), fund raising, reserves, and/or debt.
  
5. **Educational Implications:** Maintaining the University's capital assets and planning for future capital needs has a significant impact on the environment in which the University's mission is fulfilled. The South Foundation Hall Expansion would provide much needed space to support students in the College of Arts and Sciences and the general campus community.
  
6. **Personnel Implications:** None
  
7. **University Reviews/Approvals:** The Plan was prepared by Facilities Management and reviewed by the Vice President for Finance and Administration, COO, and President. The Project Request followed the same process, but was also reviewed and endorsed by the University Senate's Campus Development and Environment Committee, Dean of the College of Arts and Sciences, and Senior Vice President for Academic Affairs and Provost.

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OUTLAY PLAN AND PROJECT REQUEST  
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**8. Recommendation:**


RESOLVED, that the Board of Trustees approves the submission of the attached Fiscal Year 2018 Five-Year Capital Outlay Plan and Fiscal Year 2018 Capital Outlay Project Request to the State of Michigan, State Budget Office, as representative of Oakland University's capital budget needs.

**9. Attachments:**

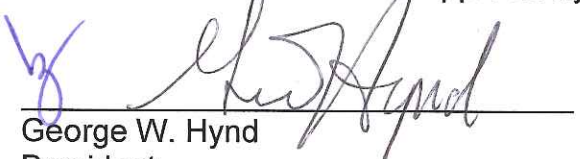
- A. Fiscal Year 2018 Five-Year Capital Outlay Plan
- B. Fiscal Year 2018 Capital Outlay Project Request

Submitted to the President  
on 10/19/, 2016 by

  
\_\_\_\_\_  
Scott Kunselman  
Chief Operating Officer, Operations and  
Finance

  
\_\_\_\_\_  
James P. Lentini  
Senior Vice President for Academic Affairs  
and Provost

Recommended on 10/20, 2016  
to the Board of Trustees for Approval by

  
\_\_\_\_\_  
George W. Hynd  
President

Updated: 10-7-16

**ATTACHMENT A**

**OAKLAND UNIVERSITY**

**Fiscal Year 2018  
Five-Year Capital Outlay Plan**

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## **I. Mission Statement**

Oakland University is a preeminent metropolitan university that is recognized as a student-centered, doctoral research institution with a global perspective. We engage students in distinctive educational experiences that connect to the unique and diverse opportunities within and beyond our region.

Through faculty-driven and student-engaged research, scholarship, and creative activity, Oakland University advances knowledge and art in a diverse and inclusive environment.

Oakland University is an active community partner providing thriving civic, cultural, and recreational opportunities and valuable public service.

### **Strategic Plan**

**Goal #1:** Foster student success through a robust teaching and learning environment and comprehensive student services.

**Goal #2:** Be recognized as a strong research and scholarly environment focused on creative endeavors and on the discovery, dissemination and utilization of knowledge.

**Goal #3:** Become a leader in serving the needs and aspirations of our communities and region through expanded community relationships, institutional reputation and visibility, and engagement.

**Affirmation Statement:** The University's three goals developed during several months of planning work are a concise expression of our institutional aspirations. Thus, it is important to recognize that student success is meant to encompass the full range of student experiences and opportunities while at the university. We also recognize that an intrinsic part of achieving these goals must include ensuring the university's excellence and the attainment of its mission through effective institutional processes, shared decision-making and transparent best practices.

## **II. Instructional Programming**

Oakland University (Oakland, University or OU) is a doctoral/research University located in Rochester, Michigan, within Oakland County. Through unique and distinctive academic experiences, Oakland is preparing students to make meaningful and substantial contributions to the workplace, academia and the community.

### **An Engaged University**

Oakland University is the only comprehensive, doctoral-level university located in Oakland County, Michigan. Recognized as one of the country's 90 doctoral research universities by the Carnegie Foundation for the Advancement of Teaching, the University offers students opportunities to work directly on research with expert faculty.

Through a multitude of partnerships with hospitals, Fortune 500 companies, individuals, cities, government agencies and educational institutions, Oakland helps communities solve problems and build thriving, sustainable businesses. These associations reward students with internship and co-op opportunities and provide University researchers access to the latest technology tools. Oakland's leadership with these partnerships also significantly impacts economic development and commercialization opportunities.

Oakland, in partnership with Beaumont Health System, opened the first M.D.-granting medical school in Oakland County with an inaugural class of 50 students in August 2011. Enrollment was 323 in fall 2014, and the school graduated its first class of 47 doctors in May 2015. The first new medical school started in Michigan in a generation, the Oakland University William Beaumont School of Medicine (OUWB) is expected to help boost the local and regional economies by generating new jobs and attracting medical, business and academic leaders from around the nation. OUWB was designed to transform medical education by emphasizing holistic physician development – a patient-centered approach to the delivery of health care that is grounded in evidence-based medical science.

Oakland offers a strong undergraduate program founded in the liberal arts and basic sciences and is widely recognized for excellence in biomedical sciences and other health-related programs. It has a School of Nursing, School of Health Sciences, renowned Eye Research Institute, and highly regarded programs in bioengineering, informatics and nanotechnology, health and environmental chemistry, medical physics and biological communication.

Oakland's other professional schools (Business Administration, Education and Human Services, Engineering and Computer Science), as well as the College of Arts and Sciences, have been recognized nationally for various accomplishments.

### **A Leading University**

Oakland University is a preeminent metropolitan university that is recognized as a student-centered, doctoral research institution with a global perspective. It engages students in distinctive educational experiences that connect to the unique and diverse opportunities within our region and beyond.

Through faculty-driven and student-engaged research, scholarship and creative activity, Oakland University advances knowledge and art in a diverse and inclusive environment. Oakland is also an active community partner, providing thriving civic, cultural, and recreational opportunities and valuable public service.

In addition to equipping graduates with a broad base of knowledge and top-notch intellectual and experiential opportunities, Oakland is equally dedicated to the development of students in all aspects of their lives. Through a carefully thought-out collection of campus life experiences, the University gives students opportunities to conduct research and participate in internship and co-op experiences.

## A Growing University

Oakland is among the fastest growing public universities in the state with:

- seventeen years of steady growth;
- increased representation of minority students;
- continued growth expected.

Oakland has continued to keep pace with growth by providing new and advanced academic, research and support facilities. Recent capital projects have included:

- construction of the Human Health Building
- construction of the Engineering Center
- renovation of Hannah Hall laboratories
- renovation of O'Dowd Hall to provide additional classrooms and space for the Oakland University William Beaumont School of Medicine
- creation of the First Year Advising Center
- construction of the 504-bed Oak View residence hall, which includes a new home for the Honors College
- upgrades to the Recreation and Athletics Outdoor Complex, creating a track and field complex, tennis courts, and synthetic turf soccer fields
- construction of a second parking structure with 1,245 spaces
- construction of an Athletic Dome through a public-private partnership to provide an indoor athletic practice facility
- completion of the 151-foot-tall, 49-bell Elliott Tower (100 percent funded by Hugh and Nancy Elliott)

A campus master plan accounts for expected growth and includes:

- renovation and restoration at Meadow Brook Hall
- a third parking structure
- housing facilities to expand the number of beds on campus
- the identification of potential building sites
- a research and development park
- a new humanities facility

Several upgrades, renovations and technological improvements to various classrooms, laboratories and common areas were recently completed. Primary laboratories to receive extensive renovation were in chemistry, biology, physics, and art and art history – all programs that have experienced large increases in student enrollment or are key components of Oakland's biomedical and health care academic offerings.

## **Applied Research and Economic Development**

Oakland offers knowledge, resources and programs that help companies grow. With its research labs, facilities, faculty and students, the University assists companies in transforming ideas into new business developments, turning dreams into reality and giving vitality to vision. At the OU INC and Macomb-OU business incubators, the University is committed to assisting startups and spin-offs to locate and secure technology development, business planning and capital acquisition, as well as providing opportunities for the licensing of Oakland University's intellectual property. To foster emerging discoveries, the University features several noted research centers, including the:

- Eye Research Institute (ERI)
- Fastening and Joining Research Institute (FAJRI)
- Galileo Institute for Teacher Leadership
- Center for Autism including (OUCARES)
- Center for Biomedical Research (CBR)
- Automotive Tribology Center (ATC)
- Center for Applied Research in Musical Understanding (CARMU)
- Center for Integrated Business Research and Education (CIBRE)
- Center for Robotics and Advanced Automation (CRAA)
- Center for Social and Behavioral Research (CSBR)
- Clean Energy Research Center (CERC)
- Ken Morris Center for the Study of Labor and Work
- Institute for Stem Cell and Regenerative Medicine (ISCRM)

**OU SmartZone Business Accelerator:** OU INC is a SmartZone Business Accelerator in collaboration with the City of Rochester Hills and Michigan Economic Development Corporation, and partners with Oakland County and Automation Alley. OU INC provides entrepreneurial resources and strategic business solutions for developing business ventures and accelerates ideas to market. It fosters a healthy environment for the growth of new startup companies and provides support for existing entities through its facility and resources. The OU INC facility provides business resources, including those offered by the Clean Energy Research Center and the Integrated Resource Center, as well as access to the expertise and skills of staff, faculty, students and corporate partners.

The Macomb-OU INCubator provides entrepreneurial resources, business solutions, and access to student interns and proactive support to businesses at every stage in an effort to help startups on their path to success. The goal of the incubator is to create jobs and advance business development by identifying sources of necessary financing for growth; helping develop business strategy; consulting; and providing access to appropriate rental space, shared business services, equipment and technology support services in the areas of defense, homeland security, advanced manufacturing and technology. It is a part of the Velocity Collaboration Center, a joint venture between Oakland University, Macomb County and the City of Sterling Heights.



**Fastening and Joining Research Institute (FAJRI):** A collaboration between Oakland University, the U.S. Congress, the U.S. Army Tank Automotive Research and Engineering Center (TARDEC), the National Science Foundation and Fiat Chrysler Automobiles, FAJRI is an externally funded, academic, nonprofit research facility that is solely dedicated to exploring fundamental and applied research to develop and disseminate new technology for the fastening and joining of materials such as metals, composites, polymers and biomaterials.

**Center for Robotics and Advanced Automation:** Funded by the National Science Foundation, the Big Three automotive companies and the Department of Defense, the center works on smart control technology with industrial and defense applications, intelligent robotics, homeland security technology, suspension systems, digital shearography, and global satellite communication technology and systems.

**Eye Research Institute (ERI):** This unique center of ophthalmic research collaborates with the department of ophthalmology at Beaumont Health System on research and provides a joint ophthalmology residency and fellowship program. Since 1968, ERI scientists have received over \$50 million in support from private and federal health agencies.

**Center for Biomedical Research:** This center provides core facilities and pilot funding for the applied biomedical research efforts of Oakland University's life scientists. Key research includes eye diseases, chemical toxicology, medical physics and biological communication.

### **Partnerships**

Oakland has leveraged its unique Auburn Hills/Rochester Hills/Rochester location in the heart of Michigan's technology and automotive corridor by forging strategic partnerships with hospitals, Fortune 500 and international companies, individuals, cities, government agencies and educational institutions located as near as Southeast Michigan and as far as other countries. The benefits of these associations are far-reaching: students are rewarded with internship and co-op opportunities, University researchers have access to the latest technology tools, and the region benefits through new business opportunities and a stronger economy.

**Eugene Applebaum College of Pharmacy and Health Sciences:** An alliance between Oakland University's School of Health Sciences and Wayne State University (WSU) provides Oakland's undergraduates a unique opportunity to earn a doctorate in pharmacy. Students can earn their bachelor's degree at OU taking pre-pharmacy courses. During their senior year at OU, students take pharmacy classes at WSU. Their senior year at OU is also their first year at WSU, giving students the opportunity to complete a doctoral program in seven years instead of eight, saving time and money.

**Crittenton Hospital Medical Center:** Crittenton Hospital Medical Center has funded a \$2 million endowed professorship in Oakland University's School of Nursing that is changing the clinical education and training of nursing students. The nursing professorship conducts patient-focused research on the science and best practices of nursing, an area that has not

received much attention to date. Students in the program conduct all of their clinical rotations at Crittenton Hospital Medical Center using the relationship-based care (RBC) model. RBC moves from an individual expert dynamic to one of engaging patients, identifying options, relaying experiences and empowering patients and their families to make the best treatment decisions.

**OU Anton/Frankel Center:** Oakland University expanded its reach in Macomb County with the opening of the Anton/Frankel Center (AFC) in fall 2011. With 25,422 square feet of space to house classrooms, offices for advising, student support services, faculty and staff, the AFC signals OU's continued commitment to bringing exceptional academic opportunities to the people of Macomb County. Programs offered at the AFC include bachelor's degrees in criminal justice, psychology, marketing and social work; and master's degrees in public administration and business administration.

**The University of Botswana:** Oakland University's Department of Counseling in the School of Education and Human Services, in partnership with the University of Botswana (UB), provides student and faculty exchanges, video conferences, and partnerships in research, scholarship, teaching and service.

**Israel's Max Stern Academic College:** Oakland University offers global experiences for students and faculty through a myriad of overseas programs, including a partnership with Max Stern Academic College in Emek Yezreel, Israel. Students and faculty on both campuses will experience different cultures through research opportunities, academic coursework and student life.

**The Pawley Learning Institute:** Established through a gift from Dennis Pawley, an OU alumnus and former chair of the OU Board of Trustees, the Pawley Learning Institute provides instruction and research on concepts and training that improve organizational practices in business, education and public service sectors.

### **Instructional Technology**

Access to user friendly instructional technology resources in the classroom are a standard expectation of Oakland's faculty and students. All general purpose classrooms and a growing number of conference rooms and labs are equipped with enhanced instructional technology resources.

University classrooms are equipped with the following:

- Multimedia workstation containing: a PC computer hardwired to campus network; a digital document camera; an electronic whiteboard; a DVD player; an interface to plug in a user provided laptop computer or mobile device, an interface to plug in an accessory analog audio/video device; sound system; and an electronic media control system for the room
- Ceiling mounted video/data projection system connected to the multimedia workstation

- Wireless network access
- A lecture capture system (Panopto) is also available to record classroom instruction and post recordings online for student review
- Room microphones and video cameras are also either currently installed or available on an as-needed basis

Oakland continues to expand its course offerings via distance education. The three modes of delivery include live two-way interactive video to student groups, synchronous web-based instruction to individual students and asynchronous web-based online learning.

The Internet is the current transmission vehicle for the University's live two-way compressed video course offerings. The ongoing development and interest in online learning courses and programs has reduced the need to utilize the more expensive live interactive video distance learning model and thus there is less of a need to maintain high cost video conferencing appliance based systems and resources.

A software based video collaboration tool called WebEx is also available for the University community to conduct business at a distance. These types of technologies save time and money by providing a communications tool that allows for the sharing of voice, video and content between two or more computers or mobile devices. The growth in web based learning models will continue to expand in the foreseeable future.

Oakland University supports a web-based Course Management System (CMS) utilizing Moodle. Moodle can be used as a full "web based" solution where no face-to-face teaching is required or as a "web supplemented" course resource that enhances the standard face-to-face classroom contact between faculty and students. Moodle offers online activities such as discussion boards, chat, quizzes, grade book, file storage and display, RSS feeds, wikis, journals, workshops, automated lessons. Moodle will also be the portal to access lecture capture recordings. Another separate instance of Moodle is supported via e-Portfolio. It includes digital space for student career Portfolios. A third instance of Moodle is called e-Space that contains department assessment activities, research, academic committees, advising, and other miscellaneous academic activities. Another teaching tool being utilized is Second Life, an experimental island where several faculty meet their classes.

During the Winter, 2016 term, Oakland offered 248 course sections that are fully online and 4,239 distinct students. Approximately 67% of all course sections are providing some level of web supplemented activity. Oakland also offers thirteen online degree and certificate programs. Scantron machines, i-Clicker, and other software are supported centrally for grading exams and processing course evaluations.

## Technological Enhancements

Oakland University is dedicated to enhancing education through the use of contemporary and emerging technologies and continues to commit significant resources to technological enhancements, including:

- Complete administrative software suite.
- On-line registration.
- Extensive wired and wireless network to all classroom buildings and surroundings.
- Elliott Hall of Business and Information Technology, a 74,000-square foot, technology-rich facility.
- The Pawley Hall of Education & Human Services Building with 24 enhanced technology classrooms and an all-digital video recording, playback and archive system in the School's Counseling Center.
- Interactive television and video conferencing capability to supplement instruction and administrative program activity.
- On-line web-based course offerings to students utilizing Moodle.
- Other teaching and learning software, such as Panopto, CourseWeb, Scantron, Turnitin, Second Life, Camtasia, I-clicker, and Visual Communicator.
- An Information Commons in Kresge Library with a significant number of computer work stations for the patrons.
- A remodel of O'Dowd Hall was completed to become the initial home of the new OUWB, including the addition of many new technology enhancements.
- An off-site School of Nursing instructional center in the Detroit based Focus Hope facility.
- Renovation of the two-story Anton/Frankel Center in Mount Clemens provides Oakland with a third Macomb County location with an additional 25,422 square feet of space. The new center will provide classrooms as well as offices for advising, student support services, faculty and staff.
- Major classroom renovation projects that included significant technology enhancement in older campus buildings continue to be a priority objective.
- A Human Health Building (HHB) provides the University community with an all-digital classroom technology systems within all instructional spaces, a state-of-the-art Nursing SIM lab, and many technology enhancements within specialty laboratories. The HHB has been recognized at a LEED Platinum building, the first Platinum building on a University campus in the State of Michigan.
- A new Engineering Center building opened in the fall of 2014 with state of the art instructional facilities and resources.
- Nine new instructional classrooms were created within existing University space that was repurposed and remodeled to include the most current instructional technology resources.
- Oakland is a partner with the City of Auburn Hills in the collaboration of a University Center which opened in January of 2014.
- The University is also partnering with the Pontiac public school system and is developing a collaboration center and classroom in downtown Pontiac.

## **Cultural and Performing Arts**

Oakland's contribution to the arts has moved beyond local boundaries to secure a place of prominence in the region. Historically, OU has had a strong performing arts program with record-high enrollment numbers.

The Department of Music, Theatre and Dance offers more than 140 student and faculty performances throughout the academic year. Guests enjoy everything from musicals and intimate recitals to experimental plays and innovative dance performances. OU has earned a reputation for taking artistic risks, developing gifted artists, nurturing arts partnerships and achieving new heights of quality and professionalism.

Meadow Brook Hall is the sixth largest historic house museum in the United States and is renowned for its superb craftsmanship, architectural detailing and grand scale. Built between 1926 and 1929 as the residence of Matilda Dodge Wilson (widow of auto pioneer John Dodge) and her second husband, lumber broker Alfred G. Wilson, the 110-room, 88,000-square-foot, Tudor-revival style mansion is complete with vast collections of original art and furnishings. In 2012, the U.S. Department of the Interior designated the hall a National Historic Landmark, the highest recognition for historic properties in the United States.

For more than 40 years, the Oakland University Art Gallery (OUAG), housed in the Department of Art and Art History, has delivered diverse, museum-quality art to Metro Detroit audiences. From September to May, the OUAG presents up to six different exhibitions – from cutting-edge contemporary art to projects exploring historical and global themes. The gallery also offers lectures, performances, tours, special events and more. Nearly 15,000 people visit OUAG each year to experience art and cultural programs.

OU's outdoor music series, the Meadow Brook Music Festival, hosts today's top concerts including rock, alternative, adult contemporary, pop, country, and rhythm and blues; a wine and food festival; stand-up comedians; and family entertainment in the Meadow Brook Amphitheater.

## **Community Outreach**

In the more than 10 years since Oakland University initiated a formal partnership with the City of Rochester through the Rochester Downtown Development Authority (DDA), much has been accomplished with new initiatives added over time.

The partnership presents many opportunities for the OU community to benefit from joint educational and cultural programming. Areas of emphasis for students, faculty and alumni have included employment, internships, research and development projects, business

development assistance, community service projects, promotions and business discounts, and opportunities to showcase the arts, theatre and music to complement classroom work.

The University annually hosts the Rochester Area Chamber of Commerce's Regional Outlook Luncheon and also maintains a support partnership with the Rochester Older Person's Commission. Students, alumni, faculty and staff enjoy discounts at dozens of participating stores and restaurants through the OU GO card. The University also partners with the Rochester Regional Chamber of Commerce for joint programming and assistance. Oakland proudly partners with its other neighboring communities including Auburn Hills, Pontiac and Rochester Hills.

OU and the Pontiac community have a long history together through programs such as GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Programs), which helps students in the Pontiac as well as Oak Park school districts; Project Upward Bound, which helps 120 students each year finish high school and develop the social and cultural skills needed to realize their dreams and succeed in college and society; and through the Wade H. McCree Jr. Incentive Scholarship program, which assures that students who meet specific criteria will be awarded a full-tuition scholarship to Oakland when they graduate from high school. Recently, Oakland initiated a laboratory school initiative that places University faculty and education students in Pontiac schools to help institute and maintain instruction best practices in the classroom. The initiative is developed after a highly successful model implemented in a neighboring Auburn Hills school.

Oakland University is involved in various community service efforts in Macomb County, including the Let's Move Festival of the Races in downtown Mount Clemens and emergency preparedness education programs. In addition, Oakland University students and staff including the OU Dance team, Cheer team and the Grizz, participated in the annual Macomb County Santa Parade last year.

In 2014, members of the Oakland University community opened their hearts and their wallets, making generous gifts to the All-University Fund Drive. A total of 786 faculty, staff and retirees contributed \$388,814. With matching funds included, this amount rose to more than \$560,000.

### **Academic and Student Life Enhancements**

All students should have the benefit of academic support services, especially mentoring and small learning communities, aimed at helping them make the necessary academic and social adjustments to achieve collegiate success.

OU's First Year Advising Center connects new students with University advisers, peer mentors, graduate assistants, faculty and various support services on campus to provide a more effective student experience, especially during the critical first year.

The award-winning Oakland University Trustee Academic Success (OUTAS) scholarship program is a national model for retaining and graduating a diverse group of high-achieving university students. OUTAS was established to counter the declining rates of minority retention, graduation and student performance.

The Writing Center in Kresge Library, established through a leadership gift from OU Professor Emeritus of English Joan Rosen, assists hundreds of students each year. The Writing Center provides assistance to students to develop and incorporate effective writing and communication skills in all subject areas.

Oakland's Honors College offers highly motivated students seeking a rich, valuable and challenging undergraduate education an intimate, intellectually friendly and challenging atmosphere. Small classes average 10 to 20 students and allow for more interaction between the professor and students. The program offers a specially designed core of general education courses in art, literature, western civilization, social science, global perspectives, mathematics, logic, computer science, natural science and technology.

OU has more than 300 student organizations that encourage student involvement and social opportunities.

The Recreation and Athletics Center hosts a number of activities throughout the year in which students may get involved, including intramural and club sports, group exercise classes and wellness-related programs. This multi-purpose facility draws more than 25,000 visits per month for recreational and sports programs.

New outdoor recreation and athletics facilities accommodate NCAA Division I athletic events including tennis and track and field meets, club and intramural sports competitions, and a variety of fitness and recreational activities welcoming university students, faculty, staff and community visitors.

**OAKLAND UNIVERSITY  
UNDERGRADUATE DEGREE PROGRAMS**

**College of Arts and Sciences (96)**

**Bachelor of Arts – CASBA (54)**

- 2810 Anthropology
- 2815 Anthropology – Modified w/Concentration in Linguistics
- 1055 Art History
- 1105 Biology
- 1230 Chemistry
- 1609 Chinese Studies
- 1450 Cinema Studies
- 2705 Communication
- 1420 Creative Writing
- 2875 Criminal Justice
- 2880 Criminal Justice w/Special in  
Information Security and Assurance
- 2881 Criminal Justice w/Special in Homeland Security
- 2290 Dance
- 3700 Economics
- 1405 English
- 1410 English – Modified w/Concentration in Linguistics
- 1980 French Language and Literature
- 1985 French – Modified
- 2015 German w/Concentration in German Studies
- 2010 German Language and Literature
- 2020 German – Modified
- 1096 Graphic Design
- 1505 History
- 1045 Independent Major
- 2510 International Relations
- 2040 Japanese Language and Literature
- 2045 Japanese – Modified
- 1614 Japanese Studies
- 2735 Journalism
- 2060 Latin American Language and Civilization
- 1625 Latin American Studies
- 1700 Liberal Studies
- 1705 Linguistics
- 1710 Linguistics – Modified
- 1805 Mathematics
- 2205 Music
- 2375 Philosophy
- 2405 Physics
- 2515 Political Science
- 2605 Psychology



- 2615 Psychology – Modified w/Concentration in Linguistics
- 2820 Sociology
- 2805 Sociology/Anthropology
- 2825 Sociology – Modified w/Concentration in Linguistics
- 2100 Spanish Language and Literature
- 2110 Spanish – Modified
- 1075 Studio Art – Specialization in Drawing
- 1090 Studio Art - Specialization in New Media
- 1080 Studio Art – Specialization in Painting
- 1085 Studio Art – Specialization in Photography
- 2294 Theatre
- 2130 Two Modern Languages
- 2870 Writing and Rhetoric
- 2865 Women and Gender Studies

**Bachelor of Fine Arts – BFA (4)**

- 2283 Acting
- 2290 Dance
- 2285 Musical Theatre
- 2296 Theatre Design & Technology

**Bachelor of Music – BM (7)**

- 2360 Choral/General Music Education
- 2363 Choral/General Music Education/Performance
- 2362 Instrumental/General Music Education
- 2364 Instrumental/General Musical Education Performance
- 2265 Music – Instrumental Performance
- 2245 Music – Piano Performance
- 2240 Music – Voice Performance

**Bachelor of Science – CASBS (13)**

- 1905 Actuarial Science
- 1835 Applied Statistics
- 1225 Biochemistry
- 1105 Biology
- 1125 Biology – Modified w/Specialization in Anatomy
- 1120 Biology – Modified w/Specialization in Cell-Molecular Biology
- 1130 Biology – Modified w/Specialization in Microbiology
- 1109 Biomedical Sciences
- 1230 Chemistry
- 1805 Mathematics
- 2420 Medical Physics
- 2405 Physics
- 2530 Public Administration and Public Policy

**Bachelor of Science – ENVSCI (2)**

- 1252 Environmental Science/Specialization Sustainability and Res. Mgt.
- 1257 Environmental Science/Specialization in Environmental Health

**Bachelor of Social Work – BSW (1)**

- 2860 Social Work

**K-12 Educational Programs (9)**

- 1992 French w/K-12 Certification
- 2027 German w/K-12 Certification
- 2047 Japanese w/K-12 Certification
- 2122 Spanish w/K-12 Certification
- 1076 Studio Art – w/K-12 Specialization in Drawing
- 1091 Studio Art – w/K-12 Specialization in New Media
- 1081 Studio Art – w/K-12 Specialization in Painting
- 1086 Studio Art – w/K-12 Specialization in Photography
- 1093 Studio Art – w/K-12 Specialization in Graphic Design

**Secondary Education Programs (6)**

- 1140 Biology w/Secondary Ed
- 1240 Chemistry w/Secondary Ed
- 1430 English w/Secondary Ed
- 1515 History w/Secondary Ed
- 1825 Mathematics w/Secondary Ed
- 2430 Physics w/Secondary Ed

**School of Business Administration (9)**

**Bachelor of Science – SBABS (9)**

- 3100 Accounting
- 3705 Business Economics
- 3700 Economics
- 3200 Finance
- 3300 General Management
- 3400 Human Resource Management
- 3500 Management Information Systems
- 3600 Marketing
- 3806 Operations Management

**School of Education and Human Services (2)**

**Bachelor of Science (2)**

- 4120 Elementary Education
- 4320 Human Resource Development

**School of Engineering and Computer Science (6)**

**Bachelor of Science (2)**

- 5020 Computer Science

5070 Information Technology

**Bachelor of Science in Engineering (4)**

5120 Computer Engineering

5140 Electrical Engineering

5185 Industrial & Systems Engineering

5160 Mechanical Engineering

**School of Health Sciences (12)**

**Bachelor of Science (12)**

6070 Applied Health Sciences

6161 Biomedical Diagnostic and Therapeutic Sciences

6042 Environmental Health and Safety

6020 Health Sciences

6167 BDTS: Medical Laboratory Science

6162 BDTS: Cytotechnology

6163 BDTS: Histotechnology

6165 BDTS: Nuclear Medical Technology

6166 BDTS: Radiation Therapy

6168 BDTS: Radiologic Technology

6169 BDTS: Preprofessional

6050 Wellness, Health Promotion, and Injury Prevention

**School of Nursing (3)**

**Bachelor of Science in Nursing (3)**

7020 Nursing

7040 Nursing (Completion Sequence)

7050 Accelerated Second Degree

**University Programs (1)**

**Bachelor of Integrative Studies (1)**

7605 Integrative Studies

**Bachelor of Science Offered Jointly between the College of Arts and Sciences  
and School of Engineering and Computer Science (3)**

5051 Bioengineering

5040 Engineering Chemistry

5060 Engineering Physics

**OAKLAND UNIVERSITY**  
**UNDERGRADUATE CONCENTRATIONS AND MINORS**

**UNDERGRADUATE CONCENTRATIONS (24)**

2885 Addiction Studies  
1435 American Studies  
2850 Archaeology  
1270 Environmental Studies  
6240 Exercise Science  
1995 French Studies  
2016 German Studies  
2887 Gerontology  
6030 Health Behavioral Sciences  
6073 Health Information Technology  
6023 Integrative Holistic Medicine  
1705 Linguistics  
6071 Medical Assistant  
6055 Nutrition and Health  
6075 Occupational Therapy Assistant  
6076 Physical Therapist Assistant  
6021 Pre-Health Professional  
6022 Pre-Pharmacy  
6015 Pre-Physical Therapy  
1152 Pre-Medical Studies – Med/Den/Opt/Vet  
2856 Religious Studies  
6072 Respiratory Therapy  
6074 Surgical Technology  
2855 Urban Studies

**UNDERGRADUATE MINORS (106)**

3100 Accounting  
2740 Advertising  
1605 African-American Studies  
2810 Anthropology  
1810 Applied Mathematics  
4355 Applied Leadership Skills  
1835 Applied Statistics  
1055 Art History  
1105 Biology  
1140 Biology – Secondary Teaching  
  
2746 Broadcasting  
3840 Business  
3801 Business Analytics  
1230 Chemistry

1240 Chemistry – Secondary Teaching  
2889 Child Welfare  
1610 Chinese Studies  
1956 Chinese Language  
1955 Chinese Language and Civilization  
1960 Chinese with Secondary Education  
2841 Christianity Studies  
1450 Cinema Studies  
2705 Communication  
5020 Computer Science  
5021 Computing  
2875 Criminal Justice  
1420 Creative Writing  
2290 Dance  
2292 Dance – Secondary Teaching  
3700 Economics  
3702 Economics – Secondary Teaching  
4351 Employment Systems and Standards  
1405 English  
1430 English – Secondary Teaching  
3850 Entrepreneurship  
6042 Environmental Health and Safety  
1266 Environmental Science  
6240 Exercise Science  
3200 Finance  
1981 French Language  
1980 French Language and Literature  
1990 French – Secondary Teaching  
2011 German Language  
2010 German Language and Literature  
2016 German Studies  
2025 German – Secondary Teaching  
1095 Graphic Design  
1505 History  
1515 History – Secondary Teaching  
4320 Human Resource Development  
3400 Human Resources Management  
2708 Interactive and Social Media  
3302 International Management  
5300 International Orientation  
2510 International Relations  
5070 Information Technology  
2842 Islamic Studies  
2037 Japanese Language  
2035 Japanese Language and Civilization  
2040 Japanese Language and Literature

2046 Japanese with Secondary Education  
2047 Japanese – Secondary Teaching  
1615 Japanese Studies  
2350 Jazz Studies  
2735 Journalism  
2843 Judaic Studies  
1625 Latin American Studies  
4360 Lean Leadership  
2864 LGBTQ Studies  
1705 Linguistics  
3500 Management Information Systems  
3600 Marketing  
1805 Mathematics  
1825 Mathematics – Secondary Teaching  
1635 Middle Eastern Studies  
2748 Multimedia  
2205 Music  
2206 Music, Liberal Arts  
6055 Nutrition and Health  
3806 Operations Management  
2375 Philosophy  
2405 Physics  
2430 Physics – Secondary Teaching  
2515 Political Science  
2520 Political Science – Secondary Teaching  
2605 Psychology  
2742 Public Relations  
2530 Public Administration and Public Policy  
2707 Relational Communication  
1631 Russian and East European Studies  
2820 Sociology  
2822 Sociology – Secondary Teaching  
1620 South Asian Studies  
2101 Spanish Language  
2100 Spanish Language and Literature  
2120 Spanish – Secondary Teaching  
1070 Studio Art  
1720 Teaching English as a Second Language  
2294 Theatre  
1147 Three Science  
4900 Training and Development  
1146 Two Science  
6050 Wellness, Health Promotion, and Injury Prevention  
2865 Women and Gender Studies  
2870 Writing and Rhetoric  
2355 World Music

## GRADUATE DEGREE PROGRAMS

### Doctor of Philosophy (14)

PH1900	Applied Mathematical Sciences
PH1115	Biomedical Sciences: Biological Communication
PH1350	Biomedical Sciences: Health and Environmental Chemistry
PH2490	Biomedical Sciences: Medical Physics
PH5030	Computer Science and Informatics
PH4951	Education: Educational Leadership
PH4950	Education: Counseling
PH4952	Education: Early Childhood Education
PH5160	Mechanical Engineering
PH2305	Music Education
PH4940	Reading Education
PH5180	Systems Engineering
PH5540	Electrical and Computer Engineering
PH2605	Psychology

### Doctor of Physical Therapy (2)

DP6220  
DP6221

### Doctor of Science in Physical Therapy (1)

DS6220

### Doctor of Nursing Practice (1)

DN7400

### Doctor of Medicine (1)

MD9100

### Education Specialist (2)

ED4705	Early Education and Intervention
ES4650	Leadership

### Master of Arts (7)

MA1105	Biology
MA2710	Communications
MA4400	Counseling
MA1405	English
MA1505	History
MA1705	Linguistics
MA1805	Mathematics

### Master of Arts in Liberal Studies (1)

MA1700

### Master of Accounting (1)

MA3100

**Master of Arts in Teaching (3)**

MT4120 Elementary Education  
MT4500 Reading and Language Arts  
MT4220 Secondary Education

**Master of Business Administration (2)**

MB3900  
MB3901

**Master of Education (6)**

ME4668 Higher Education Leadership  
ME4700 Early Childhood Education  
ME4610 Educational Leadership  
ME4620 Educational Studies  
ME4800 Special Education  
ME4615 Teacher Leadership

**Master of Music (7)**

MM2335 Conducting  
MM2345 Instrumental Performance  
MM2305 Music Education  
MM2320 Piano Pedagogy  
MM2325 Piano Performance  
MM2310 Vocal Pedagogy  
MM2315 Vocal Performance

**Master of Public Administration (1)**

MP2560

**Master of Science (19)**

MS1835 Applied Statistics  
MS1105 Biology  
MS1230 Chemistry  
MS5020 Computer Science  
MS5540 Electrical and Computer Engineering  
MS5620 Embedded Systems  
MS5560 Engineering Management  
MS6240 Exercise Science  
MS5185 Industrial and Systems Engineering  
MS1860 Industrial Applied Mathematics  
MS3550 Information Technology Management  
MS5160 Mechanical Engineering  
MS5545 Mechatronics  
MS2605 Psychology  
MS2405 Physics  
MS6045 Safety Management  
MS5600 Software Engineering and Information Technology  
MS5180 Systems Engineering



**Master of Science in Nursing (5)**

MS7270	Adult Gerontological Nurse Practitioner
MS7263	Clinical Nurse Specialist – Adult Health
MS7280	Family Nurse Practitioner
MS7220	Nurse Anesthesia
MS7290	RN to MSN

**Master of Training and Development (1)**

MD4900

**Master of Public Health(1)**

MH6300

**Graduate Certificate (29)**

GC4551	Advanced Microcomputer Applications
GC4817	Applied Behavior Analysis Basic
GC4816	Applied Behavior Analysis Comprehensive
GC4818	Autism for Multiple Disciplines
GC4820	Autism Spectrum Disorder
GC4819	Autism Spectrum Disorder Advanced
GC1107	Biomedical Sciences
GC6245	Clinical Exercise Science
GC6248	Complementary Medicine and Wellness
GC2335	Conducting
GC6246	Corporate and Worksite Wellness
GC6240	Exercise Science
GC2345	Instrumental Performance
GC4625	International Education
GC4550	Microcomputer Applications
GC2305	Music Education
GC6233	Neurological Rehabilitation
GC6228	Oncology Rehabilitation
GC6230	Orthopedic Manual Physical Therapy
GC6232	Orthopedics
GC6231	Pediatric Rehabilitation
GC2320	Piano Pedagogy
GC2325	Piano Performance
GC5186	Productivity Improvement
GC1880	Statistical Methods
GC6234	Teaching and Learning for Rehabilitation Professionals
GC1720	Teaching English as Second language
GC2310	Vocal Pedagogy
GC2315	Vocal Performance

**Post Masters  
Graduate  
Certificate (29)**

PM3101	Accounting
PM7271	Adult Gerontological Nurse Practitioner
PM4561	Advanced Reading, Language Arts and Literature
PM3706	Business Economics
PM4661	Central Office Administration
PM2335	Conducting
PM2564	Court Administration
PM2569	Criminal Justice Leadership
PM3851	Entrepreneurship
PM7281	Family Nurse Practitioner
PM3201	Finance
PM3301	General Management
PM2566	Health Care Administration
PM4670	Higher Education
PM3401	Human Resources Management
PM2346	Instrumental Performance
PM3306	International Business
PM2568	Local Government Management
PM3501	Management Information Systems
PM3601	Marketing
PM2305	Music Education
PM2567	Nonprofit Organization & Management
PM7221	Nurse Anesthesia
PM2320	Piano Pedagogy
PM2326	Piano Performance
PM3807	Production/Operations Management
PM4560	Reading, Language Arts and Literature
PM2311	Vocal Pedagogy
PM2315	Vocal Performance

### III. Staffing and Enrollment

The following tables and graphs are provided:

Figure 1 - Faculty and Staff Full Time Equivalent (FTE) by Program, FY 2014-15

This chart shows the FTE for faculty, administration and clerical/service for both instructional disciplines and non-instructional program classes.

		FACULTY	STAFF
5	AREA STUDIES	10.02	1.66
9	COMMUNICATION	40.61	0.83
11	COMPUTERS	24.17	4.61
13	EDUCATION	101.08	27.21
14	ENGINEERING	48.73	19.62
16	FOREIGN LANGUAGES	50.90	2.81
23	ENGLISH & LETTERS	89.58	7.03
24	LIBERAL ARTS	6.02	5.96
25	LIBRARY	1.00	0.00
26	BIOLOGY	42.81	18.11
27	MATH	40.25	8.64
30	MULTI/INTERDISCIPLINARY	0.00	0.00
31	PARKS RECREATION & FITNESS	9.83	0.00
38	PHILOSOPHY	22.06	0.85
40	PHYSICAL SCIENCES	33.68	18.24
42	PSYCHOLOGY	27.37	4.34
43	HOMELAND SECURITY	7.70	0.00
44	PUBLIC ADMINISTRATION	13.01	0.00
45	SOCIAL SCIENCES	50.83	10.60
50	VISUAL & PERFORMING ARTS	81.89	23.28
51	HEALTH PROFESSIONS	9.29	0.00
51.12	MEDICINE	35.96	23.20
51.22	PUBLIC HEALTH	7.21	0.00
51.22	REG NURSING	41.40	3.89
51.99	OTHER HEALTH PROFESSIONALS	28.11	10.65
52	BUSINESS	90.31	10.62
54	HISTORY	19.68	3.14
	<b>TOTAL INSTRUCTION</b>	<b>933.50</b>	<b>205.29</b>
	RESEARCH		14.71
	PUBLIC SUPPORT		0.56
	ACADEMIC SUPPORT		386.60
	STUDENT SERVICES		241.26
	INSTITUTIONAL SUPPORT		216.35
	PLANT OPERATION & MAINT		127.18
	AUXILIARY ENTERPRISES		46.62
	<b>TOTAL FTEs</b>	<b>933.50</b>	<b>1238.57</b>

Figure 2 - Student Credit Hours by Level and by Program, FY 2015-16  
 This chart shows credit hours awarded by instructional discipline.

CIP		Lower	Upper	Masters	Doctoral	Total
05	Area Studies	3724	1418			5142
09	Communication	7960	10658	289		18907
11	Computer Science	7072	4506	1289	316	13183
13	Education	986	14196	13164	3593	31939
14	Engineering	8075	9973	4862	689	23599
16	Modern Languages	18298	3712	490		22500
23	English	33524	9642	211		43377
24	Liberal Arts	3616	148	103		3867
25	Library Science	172				172
26	Biology	22390	14378	753	50	37571
27	Math	29700	1258	1036	181	32175
30	Multi/Interdisciplin. Sciences					0
31	Parks, Recreation & Fitness	2832	2452	811		6095
38	Philosophy	13092	1420			14512
40	Physical Sciences	32319	1457	446	131	34353
42	Psychology	15592	6424	516	100	22632
43	Criminal Justice	1640	3736			5376
44	Public Administration	568	4438	1346		6352
45	Social Science	21104	10894	258		32256
50	Fine Arts	23037	8591	227	54	31909
51.10	Med Library Sciences	704	2805			3509
51.22	Public Health	689	1891	655		3235
51.23	Rehab & Therapeutic		304	3019	1516	4839
51.38	Nursing	6658	16408	3210	245	26521
51.99	Other Health Professions	5371	11040	74		16485
52	Business	13070	36570	7909		57549
54	History	5500	2948	200		8648
<b>Total</b>		<b>277,693</b>	<b>181,267</b>	<b>40,868</b>	<b>6,875</b>	<b>506,703</b>

Figure 3 - Degrees Awarded by Program, FY 2014-15  
 This chart shows the degrees awarded by program.

CIP		Bachelor's	Post	Master's	Post	Doctoral	Total
			Bachelor's		Master's		
03	Environmental Sciences	13	0	0	0	0	13
05	Area Studies	2	0	0	0	0	2
09	Communication	195	0	12	0	0	207
11	Computer Science	66	0	33	0	3	102
13	Education	152	6	279	30	23	490
14	Engineering	146	0	108	0	11	265
15	Engineering Management	0	0	12	0	0	12
16	Modern Languages	42	0	9	0	0	51
22	Legal Studies (CRJ-Courts)	7	0	0	0	0	7
23	English	88	0	8	0	0	96
24	Liberal Arts	78	0	6	0	0	84
26	Biology	164	2	8	0	7	181
27	Math	16	3	8	0	0	27
31	Parks, Recreation & Fitness	0	1	13	0	0	14
38	Philosophy	8	0	0	0	0	8
40	Physical Sciences	16	0	5	0	2	23
42	Psychology	171	0	6	0	0	177
43	Criminal Justice (Non- Court)	53	0	0	0	0	53
44	Public Administration	97	0	36	0	0	133
45	Social Science	118	0	0	0	0	118
50	Fine Arts	119	1	10	0	0	130
51.16	Nursing	420	0	75	2	9	506
51.22	Public Health	25	0	19	0	0	44
51.99	Other Health Professions	299	14	1	0	88	402
52	Business	403	1	143	3	0	550
54	History	44	0	6	0	0	45
<b>Total</b>	<b>Total</b>	<b>2,742</b>	<b>28</b>	<b>792</b>	<b>35</b>	<b>143</b>	<b>3,740</b>

Figure 4 - Enrollment Trends from Fall 1998 to Fall 2016

This graphic shows the growth over the last eighteen years in undergraduate and graduate resident students and undergraduate and graduate non-resident students. During this period Oakland University's enrollment increased from 14,289 to 20,012, an increase of 40%.

Fall Term	Undergraduate			Graduate			Total		
	In-State	Out of State	Total	In-State	Out of State	Total	In-State	Out of State	Total
1998	10,963	148	11,111	3,061	117	3,178	14,024	265	14,289
1999	11,153	179	11,332	2,878	77	2,955	14,031	256	14,287
2000	11,530	200	11,730	3,061	99	3,160	14,591	299	14,890
2001	12,034	215	12,249	3,145	104	3,249	15,179	319	15,498
2002	12,185	208	12,393	3,232	115	3,347	15,417	323	15,740
2003	12,504	223	12,727	3,428	101	3,529	15,932	324	16,256
2004	12,614	211	12,825	3,568	113	3,681	16,182	324	16,506
2005	12,923	212	13,135	3,672	100	3,772	16,595	312	16,907
2006	13,163	210	13,373	3,839	97	3,936	17,002	307	17,309
2007	13,549	182	13,731	3,753	107	3,860	17,302	289	17,591
2008	13,948	158	14,106	3,528	124	3,652	17,476	282	17,758
2009	14,680	181	14,861	3,401	117	3,518	18,081	398	18,379
2010	14,961	189	15,150	3,293	121	3,414	18,254	310	18,564
2011	15,275	198	15,473	3,301	126	3,427	18,576	324	18,900
2012	15,587	229	15,816	3,293	157	3,450	18,880	386	19,266
2013	15,967	305	16,272	3,236	252	3,488	19,203	557	19,760
2014	16,166	343	16,509	3,149	346	3,495	19,315	689	20,004
2015	16,379	414	16,793	3,036	432	3,468	19,415	846	20,261
<b>2016</b>	<b>16,139</b>	<b>429</b>	<b>16,568</b>	<b>2,933</b>	<b>511</b>	<b>3,444</b>	<b>19,072</b>	<b>940</b>	<b>20,012</b>

\* changed to no ghost 1999-2016

Figure 5 – Enrollment Projections by School/College and Level, Fall 2016 – Fall 2020  
 Oakland University continues to experience increases in enrollments.

Enrollment Projections by School/College and Level Fall 2016 - Fall 2020							
	Actual	Projections					% Change
Undergraduate	2015	2016	2017	2018	2019	2020	2015 - 2020
CAS	6,310	6,272	6,310	6,348	6,418	6,488	2.8%
SBA	2,561	2,607	2,623	2,657	2,666	2,715	6.0%
SEHS	1,137	1,129	1,135	1,148	1,161	1,173	3.2%
SECS	2,163	2,254	2,267	2,295	2,320	2,345	8.4%
SHS	2,214	2,230	2,243	2,261	2,286	2,311	4.4%
SON	1,527	1,527	1,536	1,540	1,557	1,574	3.1%
UP/None	1,249	1,244	1,252	1,257	1,270	1,284	2.8%
Total	17,161	17,262	17,366	17,505	17,697	17,892	4.3%
<b>Graduate</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	
CAS	393	391	397	405	409	417	6.1%
SBA	478	474	484	491	500	507	6.1%
SEHS	1,171	1,139	1,150	1,163	1,183	1,205	2.9%
SECS	634	636	649	660	671	681	7.4%
SHS	258	254	258	263	268	271	5.2%
SON	224	224	229	233	236	240	7.0%
Medical School	392	443	468	491	490	490	25%
Total	3,550	3,560	3,634	3,707	3,757	3,811	7.4%
W/O SOM	3,158	3,117	3,166	3,216	3,267	3,321	5.2%
<b>Total</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	
CAS	6,703	6,664	6,708	6,753	6,826	6,805	3.0%
SBA	3,039	3,081	3,106	3,147	3,186	3,223	6.0%
SEHS	2,308	2,267	2,285	2,311	2,344	2,378	3.1%
SECS	2,797	2,890	2,916	2,955	2,991	3,026	8.2%
SHS	2,472	2,483	2,501	2,524	2,554	2,583	4.5%
SON	1,751	1,751	1,764	1,774	1,794	1,814	3.6%
Medical School	392	443	468	491	490	490	25%
University Programs	1,249	1,244	1,252	1,257	1,270	1,284	2.8%
Total	20,711	20,822	21,000	21,212	21,454	21,703	4.8%
		0.5%	0.9%	1.0%	1.1%	1.2%	

Figure 6 – General Fund Square Feet per Student in Michigan, FY 2014-2015

This chart shows that Oakland University is last in general fund square footage per student of the 15 Michigan institutions. Source: Heidi Data Base

Rank by SQ FT	
UNIV	SQFT/FYES
LSSU	386.47
UMA	383.66
MTU	320.45
WSU	314.06
MSU	311.00
WMU	291.18
NMU	255.75
UM-D	231.74
UM-F	218.92
SVSU	196.37
EMU	186.94
CMU	178.67
FSU	146.52
GVSU	145.52
<b>OU</b>	<b>138.96</b>



## **Future Staffing Needs**

Oakland University currently employs 4,845 full and part-time faculty and staff and 4,927 student employees. In addition, there are over 100 employees of contract service providers for food service, bookstore, and custodial services. Faculty and staff will grow with increased enrollment.

## **Average Class Size**

Average class size for undergraduate instruction in fall 2015 was 31.56 students. Graduate class size in fall 2015 was 15.05 and PhD classes averaged 14.74 students. It is important to the institutional character that the size of classes remains small. However, larger classes have been a cost-effective way to absorb growth.

## **IV. Facility Assessment**

### **Utilization Rates**

Oakland University has the lowest building square footage per student (figure 6) of any of the 15 public universities. A comparison of its enrollment, programmatic mix, doctoral programs and the relatively large number of engineering and science programs suggests that the University's space should be closer to the overall average space of the 15 publics. Program by program comparisons to national norms for disciplines indicates that all programs fall short in space.

Classroom utilization is high, especially in the evenings. Oakland's enrollment includes a large number of non-traditional students. Demand for evening classes exceeds available facilities. A large number of evening classes are offered at area high schools.

### **Mandated Standards**

Mandated standards for animal research are met.

### **Functionality**

The limited amount of specialized program space affects overall space functionality. This is particularly evident in the most impacted areas of Nursing, Health Sciences, and the Performing Arts. Recent facility additions for the sciences, nursing, business and education provide good space for programmatic needs. Most academic programs on the Oakland University campus are offered in the following buildings:

- North Foundation Hall – Completed in 1959, and is primarily a student services building, but also includes one classrooms. The building is receiving a general facelift and significant improvements to the air distribution system.
- South Foundation Hall - Completed in 1959, this building is primarily a classroom building. The University has been adding technology to the classrooms over the past several years. This building is used by nearly all academic disciplines.

- Hannah Hall of Science - Completed in 1961, houses science, health science, and engineering laboratories as well as classrooms and offices. Air conditioning was added as part of a major energy project undertaken several years ago. Portions of the building were renovated to accommodate health sciences as part of the State funded Science and Engineering Building.
- Kresge Library – Completed in 1961 with additions in 1989. This is the central library for the institution.
- Wilson Hall - Completed in 1967, houses the departments of Art and Art History, and Communications and Journalism. It also houses Meadow Brook Theatre and administrative offices.
- Dodge Hall of Engineering - Completed in 1969, houses engineering and biology laboratories, offices, and classrooms. It also provides space for the Eye Research Institute and the administrative/academic computing center.
- Varner Hall - Completed in 1970, houses the departments of Music, Theatre and Dance (MTD), History, Political Science, and Sociology/Anthropology. The facilities for MTD are inadequate to meet the needs of their growing programs.
- O'Dowd Hall - Completed in 1982, this building houses the Graduate Office, the Registrar, the Departments of English, Writing and Rhetoric, Modern Languages and Literatures, Linguistics, Philosophy, and a number of general purpose classrooms. O'Dowd Hall is the home of the School of Medicine.
- Elliott Hall - Completed in 2000, houses the School of Business Administration and Information Technology.
- Pawley Hall - Completed in 2002, houses the School of Education and Human Services, as well as the Lowry Child Development Center.
- Human Health Building – Completed in Fall, 2012, this 172,825 square foot building houses the School of Health Sciences and the School of Nursing. Collectively, this new enterprise is part of Oakland University's vision of better preparing today's health care students by creating an innovative partnership in one structure. With this new building, growth in undergraduate and graduate enrollment can be significantly increased in response to vital shortages in nursing and heavy demand for health science professionals.
- Engineering Center (EC) - Completed in Fall, 2014, this building is designed to provide high quality twenty first century instructional and research facilities for all engineering and computer science programs that are vital to the revival of the economy of Southeast Michigan as well as the State of Michigan in general. This includes supporting the global competitiveness of the US alternative energy, health care and bio-medical, automotive, defense, and other high-tech industries. The EC added 128,000 square feet for the School of Engineering and Computer Science

(SECS), as well as 13,500 square feet of assignable general purpose classroom space to support the growth of the overall student population.

Although academic programs are offered in other facilities and there are a number of other service buildings and auxiliary buildings, the above are the major academic facilities. The average age of buildings on the main campus is 30 years old. In general, buildings are in fair condition. Oakland University maintains a comprehensive list of plant renewal and deferred plant renewal projects, which is updated annually.

### **Replacement Value of Facilities**

The replacement value of Oakland University's 3.78 million square feet, including Meadow Brook Hall is estimated at \$1.1 billion.

### **Utility Systems Condition**

The utility systems in facilities (i.e., heating, ventilation, air conditioning (HVAC), water, sewage, gas and electrical) are in varying degrees of condition, depending on facility age. All are fully functional, with those in the 30 to 40 year age and beyond group needing upgrades to increase efficiency and effectiveness of operation. The storm water system for some of the facilities flooded due to unusual 100-year storms and need attention in coming years. The existing water/sewage infrastructure is adequate to serve the projected programming needs for the next 10 years. An upgrade to the electrical substation was completed in 2003, which included cabling, switchgear, and a new substation. This upgrade will meet projected electrical needs for at least 15 years however capacity of the cabling needs to be evaluated as the campus grows in the future. Additional upgrades to infrastructure throughout campus will be required as campus facilities age and enrollment grows.

Many of the older facilities lack fire suppression systems and would be in consideration to update the facilities per current Codes during major renovation projects.

Due to the age of OU's infrastructure replacement/upgrade is needed for the underground HTHW lines. A new HTHW line needs to be installed to complete the south loop from the new Engineering Center to Varner Hall, IT closets, IT cabling with Voice over IP capabilities, and the infrastructure (HVAC, plumbing and electrical) in the academic buildings (Dodge Hall of Engineering, South Foundation Hall, Hannah Hall of Science, Varner Hall) as well as residence halls (Hamlin Hall and Vandenberg Hall).

### **Facility Infrastructure Condition**

The pavement/sidewalks/structural infrastructure is generally in fair condition. Funds are allocated annually to pavement/sidewalk repair to restore the most deteriorated portions.

Major campus projects included in the next 5-year plan the replacement of old air-handling units, HTHW system upgrade, storm water management, and an upgraded VOIP communication network. A service contract has been in place to maintain new micro-turbines in the new Engineering Center and to maintain the new cogeneration plant in CHP. Oakland budgets \$3.8 million for non-routine maintenance in its current

fiscal year from the general fund, endowment distribution, and auxiliary operation reserves.

## **Land**

Oakland University's campus includes 1,443 acres. The main campus is approximately 350 acres. The remaining campus includes several major developments (a faculty/staff subdivision, the National Register Meadow Brook Estate, two golf courses), a large amount of wetland, and significant undeveloped acreage. The Campus Master Plan, approved by the Board of Trustees in April 2001, has identified future uses for all of the undeveloped property.

## **Buildings Obligated to the State Building Authority**

The following buildings/portions of buildings are bonded through State bonds:

- Science and Engineering Building – lease expiration in 2034
- Elliott Hall – lease expiration in 2040
- Pawley Hall – lease expiration in 2042
- Engineering Center – lease expiration in 2042
- Human Health Building – lease expiration in 2047

The following facilities are bonded through the University:

- Golf course - final payment in 2026
- Recreation and Athletic Center - final payment in 2026
- Student Apartments – final payment in 2031
- Electrical Power Upgrade – final payment in 2031
- Parking Structure – final payment in 2031
- Oakland Center Expansion – final payment in 2031
- Human Health Building – final payment in 2039
- Engineering Center – final payment in 2042
- Oak View Hall – final payment in 2043
- Extension of Library Drive – final payment in 2043
- Facilities Management Building – final payment in 2043

# Oakland University Classroom Utilization Reports

## Fall 2013 and Winter 2014

106 Classrooms

Definitions

*ASF = Assignable Square Feet*

*Capacity= Number of seats or stations in room*

*WRH = Number of Hours per Week Room was scheduled*

*WRH% = WRH / Available Hour per Week*

*Station Occupancy = % of seats used when room was in use.*

### Report 1 – Fall 2013

- All Day Utilization 8 am to 10 pm
- 75 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	56.0	74.7%	67.9%
DHE	201	3,596	314	36.5	48.7%	55.4%
DHE	202	648	52	33.3	44.5%	43.7%
DHE	203	918	70	36.1	48.1%	75.0%
DHE	204	638	30	31.7	42.3%	54.5%
DHE	236	380	30	40.0	53.3%	58.7%
DHE	237	380	30	38.9	51.9%	58.3%
EH	204	570	30	37.9	50.5%	68.2%
EH	206	570	30	46.6	62.2%	63.5%
EH	208	720	40	45.4	60.6%	71.5%
EH	210	720	45	40.0	53.4%	71.2%
EH	212	720	40	53.8	71.8%	57.8%
EH	214	837	48	46.6	62.1%	75.5%
EH	235	1,054	40	37.2	49.6%	62.1%
EH	237	1,054	40	50.8	67.7%	54.2%
EH	239	1,054	40	47.6	63.5%	59.9%
HHB	1005	1,828	80	44.1	58.8%	50.7%
HHB	1006	1,563	50	41.3	55.1%	36.8%
HHB	1031	729	30	41.8	55.8%	44.6%
HHB	1050	4,384	200	40.2	53.6%	69.3%
HHB	2023	1,442	50	42.3	56.4%	42.2%
HHB	2085	1,213	55	48.6	64.9%	40.7%
HHB	2086	1,307	60	41.7	55.5%	47.3%
HHB	4043	1,938	80	34.0	45.4%	49.1%
HHB	4050	2,695	112	32.0	42.7%	61.5%
HHB	5036	1,208	50	41.2	54.9%	57.7%
HHB	5037	1,967	80	51.9	69.2%	59.6%
HHB	5045	2,730	112	49.0	65.3%	65.6%
HHS	190	2,024	187	44.0	58.7%	57.2%
HHS	195	2,254	187	44.2	58.9%	69.6%
HHS	220	550	40	41.8	55.7%	65.3%
HHS	225	414	30	33.3	44.5%	67.9%
NFH	156	1,980	144	49.4	65.8%	72.5%
ODH	202A	1,344	83	36.0	48.0%	72.2%
ODH	202B	1,848	111	37.7	50.2%	68.8%
ODH	202C	1,394	83	39.0	52.0%	53.6%
PH	302	1,711	72	44.6	59.5%	65.9%
PH	306	957	48	46.4	61.9%	61.5%
PH	307	925	49	42.7	56.9%	54.3%
PH	308	928	48	42.6	56.9%	59.7%
PH	309	925	49	43.5	58.1%	60.9%
PH	310	754	36	48.0	64.0%	58.1%
PH	312	725	36	49.3	65.8%	40.7%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
PH	314	1,248	48	41.7	55.6%	50.9%
PH	316	957	48	50.2	66.9%	52.8%
PH	318	928	48	42.2	56.3%	49.8%
PH	320	754	36	52.8	70.5%	55.3%
SEB	93	570	35	37.4	49.8%	64.2%
SEB	130	630	42	52.0	69.3%	57.1%
SEB	164	1,134	70	56.0	74.7%	65.6%
SEB	168	1,107	70	52.0	69.3%	68.4%
SEB	172	1,134	70	52.0	69.3%	60.3%
SEB	185	840	50	54.0	72.0%	56.7%
SEB	187	540	36	48.0	64.0%	76.4%
SEB	364	400	26	40.4	53.9%	60.4%
SEB	372	960	50	14.3	19.1%	32.2%
SEB	376	600	28	46.7	62.2%	43.8%
SEB	378	600	30	48.0	64.0%	38.6%
SEB	384	660	44	43.2	57.5%	58.2%
SEB	386	600	40	52.0	69.3%	58.1%
SEB	388	600	30	52.9	70.6%	49.2%
SFH	163	816	63	33.7	44.9%	74.2%
SFH	164	644	48	56.3	75.0%	45.5%
SFH	165	945	63	27.1	36.1%	74.1%
SFH	166	644	48	45.7	60.9%	48.5%
SFH	167	644	48	45.7	60.9%	45.4%
SFH	168	644	48	48.8	65.0%	49.1%
SFH	169	644	40	50.8	67.7%	49.3%
SFH	170	644	48	40.9	54.5%	61.2%
SFH	171	644	30	42.7	56.9%	59.8%
SFH	172	644	48	51.0	68.1%	44.0%
SFH	173	644	48	51.0	68.1%	48.0%
SFH	174	644	48	50.1	66.9%	51.9%
SFH	176	702	48	44.4	59.2%	49.1%
SFH	263	980	65	42.7	56.9%	79.9%
SFH	265	420	25	37.8	50.4%	40.2%
SFH	266	644	48	53.9	71.8%	55.1%
SFH	268	644	48	51.5	68.7%	47.3%
SFH	269	644	48	42.2	56.3%	51.6%
SFH	270	644	48	52.6	70.2%	44.6%
SFH	271	644	48	42.9	57.2%	53.6%
SFH	272	644	48	46.7	62.2%	50.8%
SFH	273	644	48	46.2	61.6%	49.5%
SFH	274	644	48	49.5	66.1%	47.4%
SFH	276	728	48	48.4	64.5%	49.0%
SFH	363	980	70	46.1	61.5%	68.8%
SFH	364	644	48	44.6	59.5%	65.8%
SFH	365	980	75	48.0	64.0%	77.3%
SFH	366	644	48	42.0	56.0%	51.4%
SFH	367	644	48	38.9	51.8%	50.8%
SFH	368	644	48	48.4	64.5%	54.0%
SFH	369	644	48	46.6	62.1%	45.4%
SFH	370	644	48	39.4	52.6%	39.9%
SFH	371	644	48	41.3	55.1%	49.8%
SFH	372	644	48	42.5	56.7%	54.1%
SFH	373	644	48	34.2	45.5%	36.7%
SFH	374	644	48	36.7	48.9%	60.9%
SFH	376	728	48	44.5	59.3%	36.8%
VAR	205	1,064	85	55.9	74.6%	67.6%
VAR	206	1,102	85	50.2	66.9%	68.5%
VAR	479	966	30	42.7	56.9%	72.6%
WH	102	810	60	39.5	52.7%	69.0%
WH	105	783	60	42.7	56.9%	57.2%
WH	124	529	85	40.0	53.3%	66.6%
WH	301	300	16	33.8	45.0%	56.1%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
WH	313	480	30	42.9	57.2%	57.5%
Totals	106	102,015	6,211	4,668.5		
Averages		962	59	44.0	58.7%	58.3%

## Report 2 - Fall 2013

- Daytime Utilization 8 am to 5 pm
- 45 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	38.0	84.4%	73.5%
DHE	201	3,596	314	31.5	70.0%	60.0%
DHE	202	648	52	25.3	56.3%	47.1%
DHE	203	918	70	19.0	42.2%	65.7%
DHE	204	638	30	21.0	46.7%	67.0%
DHE	236	380	30	28.0	62.2%	75.7%
DHE	237	380	30	24.9	55.4%	69.4%
EH	204	570	30	23.7	52.6%	70.7%
EH	206	570	30	35.0	77.8%	66.9%
EH	208	720	40	32.3	71.7%	75.8%
EH	210	720	45	27.8	61.9%	81.0%
EH	212	720	40	41.1	91.4%	60.9%
EH	214	837	48	33.9	75.2%	80.0%
EH	235	1,054	40	21.8	48.4%	62.4%
EH	237	1,054	40	34.3	76.3%	52.8%
EH	239	1,054	40	33.9	75.4%	65.8%
HHB	1005	1,828	80	32.4	72.1%	49.2%
HHB	1006	1,563	50	29.2	64.8%	27.0%
HHB	1031	729	30	35.0	77.9%	47.5%
HHB	1050	4,384	200	35.7	79.3%	69.6%
HHB	2023	1,442	50	31.0	68.9%	37.6%
HHB	2085	1,213	55	35.0	77.8%	32.1%
HHB	2086	1,307	60	30.7	68.2%	46.7%
HHB	4043	1,938	80	20.3	45.1%	61.8%
HHB	4050	2,695	112	22.0	48.9%	67.0%
HHB	5036	1,208	50	29.0	64.5%	64.4%
HHB	5037	1,967	80	37.5	83.4%	63.6%
HHB	5045	2,730	112	38.4	85.4%	67.8%
HHS	190	2,024	187	36.0	80.0%	59.2%
HHS	195	2,254	187	40.1	89.2%	73.3%
HHS	220	550	40	27.0	60.0%	80.4%
HHS	225	414	30	23.3	51.9%	70.2%
NFH	156	1,980	144	40.3	89.6%	77.5%
ODH	202A	1,344	83	29.5	65.5%	71.5%
ODH	202B	1,848	111	33.1	73.6%	70.6%
ODH	202C	1,394	83	27.0	60.0%	61.9%
PH	302	1,711	72	30.9	68.7%	72.4%
PH	306	957	48	32.2	71.6%	66.2%
PH	307	925	49	31.0	68.9%	59.1%
PH	308	928	48	32.0	71.1%	64.6%
PH	309	925	49	30.3	67.4%	75.2%
PH	310	754	36	33.8	75.0%	50.1%
PH	312	725	36	37.7	83.7%	45.0%
PH	314	1,248	48	27.0	60.0%	55.5%
PH	316	957	48	35.0	77.8%	57.6%
PH	318	928	48	28.0	62.2%	64.0%
PH	320	754	36	37.1	82.4%	55.6%
SEB	93	570	35	22.0	48.9%	69.0%
SEB	130	630	42	36.0	80.0%	73.0%
SEB	164	1,134	70	40.0	88.9%	68.6%
SEB	168	1,107	70	38.0	84.4%	66.2%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SEB	172	1,134	70	35.0	77.8%	70.2%
SEB	185	840	50	36.5	81.1%	67.8%
SEB	187	540	36	35.0	77.8%	89.1%
SEB	364	400	26	24.7	54.8%	65.2%
SEB	372	960	50	2.3	5.2%	12.7%
SEB	376	600	28	29.7	65.9%	51.8%
SEB	378	600	30	30.0	66.7%	40.9%
SEB	384	660	44	29.2	64.8%	67.9%
SEB	386	600	40	34.0	75.6%	66.1%
SEB	388	600	30	36.7	81.5%	52.0%
SFH	163	816	63	19.0	42.2%	83.3%
SFH	164	644	48	39.7	88.2%	51.7%
SFH	165	945	63	19.0	42.2%	70.0%
SFH	166	644	48	30.0	66.7%	48.7%
SFH	167	644	48	30.0	66.7%	46.8%
SFH	168	644	48	34.0	75.6%	54.5%
SFH	169	644	40	36.0	80.0%	48.0%
SFH	170	644	48	27.7	61.5%	64.5%
SFH	171	644	30	32.0	71.1%	59.3%
SFH	172	644	48	35.3	78.5%	43.8%
SFH	173	644	48	39.0	86.7%	51.8%
SFH	174	644	48	40.0	88.9%	49.4%
SFH	176	702	48	30.7	68.2%	46.8%
SFH	263	980	65	34.6	76.9%	80.8%
SFH	265	420	25	30.7	68.2%	39.8%
SFH	266	644	48	40.0	88.9%	57.3%
SFH	268	644	48	37.3	83.0%	45.1%
SFH	269	644	48	28.0	62.2%	52.7%
SFH	270	644	48	36.5	81.2%	47.9%
SFH	271	644	48	31.3	69.5%	53.9%
SFH	272	644	48	36.0	80.0%	57.2%
SFH	273	644	48	32.0	71.1%	50.3%
SFH	274	644	48	40.0	88.9%	49.8%
SFH	276	728	48	33.7	74.8%	44.0%
SFH	363	980	70	36.0	80.0%	72.9%
SFH	364	644	48	30.9	68.7%	66.4%
SFH	365	980	75	31.0	68.9%	77.8%
SFH	366	644	48	34.9	77.5%	48.5%
SFH	367	644	48	28.2	62.7%	49.3%
SFH	368	644	48	34.7	77.0%	53.0%
SFH	369	644	48	36.0	80.0%	46.3%
SFH	370	644	48	26.2	58.3%	43.4%
SFH	371	644	48	30.7	68.2%	50.6%
SFH	372	644	48	29.3	65.2%	60.3%
SFH	373	644	48	24.0	53.4%	36.5%
SFH	374	644	48	29.5	65.7%	61.3%
SFH	376	728	48	29.4	65.2%	37.2%
VAR	205	1,064	85	39.0	86.7%	70.5%
VAR	206	1,102	85	34.0	75.6%	70.2%
VAR	479	966	30	32.0	71.1%	70.5%
WH	102	810	60	31.0	68.9%	69.7%
WH	105	783	60	32.0	71.1%	58.5%
WH	124	529	85	31.0	68.9%	81.1%
WH	301	300	16	20.7	45.9%	56.6%
WH	313	480	30	32.2	71.6%	58.5%
Totals	106	102,015	6,211	3,333.6		
Averages		962	59	31.4	69.9%	63.3%



### Report 3 – Fall 2013

- Prime Time Utilization 10 am to 3 pm
- 25 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	22.0	88.0%	64.3%
DHE	201	3,596	314	14.0	56.0%	65.7%
DHE	202	648	52	17.7	70.7%	51.9%
DHE	203	918	70	10.3	41.4%	66.2%
DHE	204	638	30	14.7	58.7%	68.2%
DHE	236	380	30	23.0	92.0%	72.2%
DHE	237	380	30	16.9	67.7%	65.6%
EH	204	570	30	12.7	50.7%	77.5%
EH	206	570	30	22.0	88.0%	71.5%
EH	208	720	40	20.3	81.4%	74.1%
EH	210	720	45	15.3	61.1%	79.5%
EH	212	720	40	24.3	97.0%	58.5%
EH	214	837	48	20.9	83.7%	79.1%
EH	235	1,054	40	11.9	47.4%	65.7%
EH	237	1,054	40	21.3	85.3%	47.0%
EH	239	1,054	40	16.9	67.7%	80.7%
HHB	1005	1,828	80	17.4	69.8%	41.3%
HHB	1006	1,563	50	21.1	84.6%	26.9%
HHB	1031	729	30	22.0	88.0%	50.0%
HHB	1050	4,384	200	18.7	74.7%	72.4%
HHB	2023	1,442	50	14.0	56.0%	38.0%
HHB	2085	1,213	55	22.0	88.0%	32.2%
HHB	2086	1,307	60	21.7	86.7%	43.1%
HHB	4043	1,938	80	10.2	40.7%	68.2%
HHB	4050	2,695	112	15.3	61.3%	67.9%
HHB	5036	1,208	50	15.9	63.5%	64.3%
HHB	5037	1,967	80	21.9	87.7%	67.1%
HHB	5045	2,730	112	23.5	94.0%	65.2%
HHS	190	2,024	187	19.0	76.0%	51.0%
HHS	195	2,254	187	23.1	92.5%	63.1%
HHS	220	550	40	16.0	64.0%	81.9%
HHS	225	414	30	16.0	64.0%	67.2%
NFH	156	1,980	144	22.7	90.6%	73.0%
ODH	202A	1,344	83	18.0	72.0%	75.9%
ODH	202B	1,848	111	20.1	80.4%	69.1%
ODH	202C	1,394	83	17.0	68.0%	52.7%
PH	302	1,711	72	17.9	71.7%	72.0%
PH	306	957	48	23.0	92.0%	71.4%
PH	307	925	49	22.0	88.0%	62.5%
PH	308	928	48	23.0	92.0%	65.9%
PH	309	925	49	21.3	85.3%	80.1%
PH	310	754	36	19.8	79.1%	52.7%
PH	312	725	36	21.3	85.3%	47.7%
PH	314	1,248	48	22.0	88.0%	58.5%
PH	316	957	48	22.0	88.0%	58.9%
PH	318	928	48	22.7	90.7%	69.3%
PH	320	754	36	21.3	85.4%	59.9%
SEB	93	570	35	15.3	61.3%	81.6%
SEB	130	630	42	23.0	92.0%	86.5%
SEB	164	1,134	70	23.0	92.0%	61.4%
SEB	168	1,107	70	22.0	88.0%	70.5%
SEB	172	1,134	70	22.0	88.0%	71.9%
SEB	185	840	50	22.0	88.0%	75.3%
SEB	187	540	36	19.0	76.0%	94.2%
SEB	364	400	26	17.3	69.4%	69.2%
SEB	372	960	50	2.3	9.3%	12.7%
SEB	376	600	28	18.7	74.7%	49.0%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SEB	378	600	30	18.0	72.0%	37.4%
SEB	384	660	44	21.2	84.6%	71.8%
SEB	386	600	40	22.0	88.0%	60.2%
SEB	388	600	30	20.7	82.7%	54.2%
SFH	163	816	63	10.0	40.0%	85.4%
SFH	164	644	48	22.0	88.0%	55.6%
SFH	165	945	63	14.0	56.0%	68.0%
SFH	166	644	48	18.0	72.0%	51.1%
SFH	167	644	48	18.0	72.0%	42.6%
SFH	168	644	48	21.0	84.0%	49.3%
SFH	169	644	40	19.7	78.7%	46.6%
SFH	170	644	48	20.7	82.7%	63.5%
SFH	171	644	30	21.3	85.4%	57.2%
SFH	172	644	48	20.3	81.4%	44.4%
SFH	173	644	48	22.0	88.0%	60.2%
SFH	174	644	48	23.0	92.0%	48.7%
SFH	176	702	48	21.7	86.7%	45.6%
SFH	263	980	65	21.6	86.4%	83.1%
SFH	265	420	25	19.0	76.0%	38.1%
SFH	266	644	48	23.0	92.0%	61.0%
SFH	268	644	48	22.3	89.3%	48.7%
SFH	269	644	48	20.0	80.0%	52.9%
SFH	270	644	48	19.5	78.2%	44.8%
SFH	271	644	48	19.3	77.4%	45.1%
SFH	272	644	48	23.0	92.0%	61.3%
SFH	273	644	48	23.0	92.0%	53.4%
SFH	274	644	48	23.0	92.0%	54.7%
SFH	276	728	48	21.3	85.3%	45.4%
SFH	363	980	70	21.0	84.0%	72.3%
SFH	364	644	48	21.9	87.7%	67.7%
SFH	365	980	75	18.0	72.0%	79.4%
SFH	366	644	48	21.7	86.6%	49.7%
SFH	367	644	48	18.7	74.7%	53.1%
SFH	368	644	48	21.9	87.5%	55.6%
SFH	369	644	48	22.0	88.0%	39.6%
SFH	370	644	48	18.9	75.6%	40.7%
SFH	371	644	48	17.3	69.4%	52.9%
SFH	372	644	48	15.3	61.4%	59.7%
SFH	373	644	48	18.0	72.0%	37.5%
SFH	374	644	48	22.0	88.0%	63.4%
SFH	376	728	48	17.3	69.4%	33.5%
VAR	205	1,064	85	22.0	88.0%	78.6%
VAR	206	1,102	85	22.0	88.0%	65.5%
VAR	479	966	30	20.0	80.0%	78.9%
WH	102	810	60	22.0	88.0%	74.2%
WH	105	783	60	23.0	92.0%	62.2%
WH	124	529	85	22.0	88.0%	84.9%
WH	301	300	16	10.7	42.7%	78.1%
WH	313	480	30	20.7	82.7%	59.1%
Totals	106	102,015	6,211	2,066.0		
Averages		962	59	19.5	78.0%	61.8%

#### Report 4 – Fall 2013

- Off Peak Utilization 8 am to 10 am and 3 pm to 5 pm
- 20 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	16.0	80.0%	86.3%
DHE	201	3,596	314	17.5	87.6%	55.4%
DHE	202	648	52	7.7	38.4%	36.1%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	203	918	70	8.7	43.4%	65.1%
DHE	204	638	30	6.3	31.7%	64.4%
DHE	236	380	30	5.0	25.0%	92.0%
DHE	237	380	30	8.0	40.0%	77.5%
EH	204	570	30	11.0	55.0%	62.7%
EH	206	570	30	13.0	65.0%	59.0%
EH	208	720	40	11.9	59.5%	78.8%
EH	210	720	45	12.6	62.8%	83.0%
EH	212	720	40	16.9	84.3%	64.4%
EH	214	837	48	12.9	64.7%	81.4%
EH	235	1,054	40	9.9	49.7%	58.5%
EH	237	1,054	40	13.0	65.1%	62.3%
EH	239	1,054	40	17.0	85.0%	51.0%
HHB	1005	1,828	80	15.0	75.0%	58.5%
HHB	1006	1,563	50	8.0	40.1%	27.4%
HHB	1031	729	30	13.0	65.2%	43.2%
HHB	1050	4,384	200	17.0	85.0%	66.6%
HHB	2023	1,442	50	17.0	85.0%	37.2%
HHB	2085	1,213	55	13.0	65.0%	31.9%
HHB	2086	1,307	60	9.0	45.0%	55.4%
HHB	4043	1,938	80	10.1	50.6%	55.3%
HHB	4050	2,695	112	6.7	33.4%	64.9%
HHB	5036	1,208	50	13.2	65.8%	64.5%
HHB	5037	1,967	80	15.6	78.0%	58.7%
HHB	5045	2,730	112	14.9	74.7%	71.9%
HHS	190	2,024	187	17.0	85.0%	68.3%
HHS	195	2,254	187	17.0	85.0%	87.0%
HHS	220	550	40	11.0	55.0%	78.2%
HHS	225	414	30	7.3	36.7%	76.8%
NFH	156	1,980	144	17.7	88.4%	83.2%
ODH	202A	1,344	83	11.5	57.4%	64.7%
ODH	202B	1,848	111	13.0	65.0%	73.0%
ODH	202C	1,394	83	10.0	50.0%	77.6%
PH	302	1,711	72	13.0	65.0%	73.0%
PH	306	957	48	9.2	45.9%	53.1%
PH	307	925	49	9.0	45.0%	50.8%
PH	308	928	48	9.0	45.0%	61.3%
PH	309	925	49	9.0	45.1%	63.5%
PH	310	754	36	14.0	70.0%	46.4%
PH	312	725	36	16.3	81.7%	41.4%
PH	314	1,248	48	5.0	25.0%	42.1%
PH	316	957	48	13.0	65.0%	55.4%
PH	318	928	48	5.3	26.7%	41.7%
PH	320	754	36	15.8	78.8%	49.9%
SEB	93	570	35	6.7	33.4%	40.0%
SEB	130	630	42	13.0	65.0%	49.1%
SEB	164	1,134	70	17.0	85.0%	78.3%
SEB	168	1,107	70	16.0	80.0%	60.2%
SEB	172	1,134	70	13.0	65.0%	67.4%
SEB	185	840	50	14.5	72.5%	56.5%
SEB	187	540	36	16.0	80.0%	83.2%
SEB	364	400	26	7.3	36.7%	55.6%
SEB	372	960	50	0.0	0.0%	0.0%
SEB	376	600	28	11.0	55.0%	56.5%
SEB	378	600	30	12.0	60.0%	46.1%
SEB	384	660	44	8.0	40.0%	57.7%
SEB	386	600	40	12.0	60.0%	76.9%
SEB	388	600	30	16.0	80.0%	49.2%
SFH	163	816	63	9.0	45.0%	81.0%
SFH	164	644	48	17.7	88.3%	46.9%
SFH	165	945	63	5.0	25.0%	75.6%
SFH	166	644	48	12.0	60.0%	45.1%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SFH	167	644	48	12.0	60.0%	53.1%
SFH	168	644	48	13.0	65.0%	63.0%
SFH	169	644	40	16.3	81.7%	49.6%
SFH	170	644	48	7.0	35.0%	67.6%
SFH	171	644	30	10.7	53.4%	63.5%
SFH	172	644	48	15.0	75.0%	42.9%
SFH	173	644	48	17.0	85.0%	40.8%
SFH	174	644	48	17.0	85.0%	50.2%
SFH	176	702	48	9.0	45.0%	49.8%
SFH	263	980	65	13.0	65.0%	76.9%
SFH	265	420	25	11.7	58.4%	42.6%
SFH	266	644	48	17.0	85.0%	52.3%
SFH	268	644	48	15.0	75.1%	39.7%
SFH	269	644	48	8.0	40.0%	52.1%
SFH	270	644	48	17.0	85.0%	51.5%
SFH	271	644	48	11.9	59.7%	68.1%
SFH	272	644	48	13.0	65.0%	49.8%
SFH	273	644	48	9.0	45.0%	42.4%
SFH	274	644	48	17.0	85.0%	43.1%
SFH	276	728	48	12.3	61.7%	41.6%
SFH	363	980	70	15.0	75.0%	73.6%
SFH	364	644	48	9.0	45.0%	63.4%
SFH	365	980	75	13.0	65.0%	75.7%
SFH	366	644	48	13.2	66.1%	46.6%
SFH	367	644	48	9.6	47.8%	41.8%
SFH	368	644	48	12.8	63.9%	48.5%
SFH	369	644	48	14.0	70.0%	56.8%
SFH	370	644	48	7.3	36.7%	50.4%
SFH	371	644	48	13.3	66.7%	47.7%
SFH	372	644	48	14.0	70.0%	61.0%
SFH	373	644	48	6.0	30.0%	33.3%
SFH	374	644	48	7.5	37.7%	55.1%
SFH	376	728	48	12.0	60.1%	42.6%
VAR	205	1,064	85	17.0	85.0%	60.0%
VAR	206	1,102	85	12.0	60.0%	78.8%
VAR	479	966	30	12.0	60.1%	56.7%
WH	102	810	60	9.0	45.0%	58.5%
WH	105	783	60	9.0	45.0%	49.3%
WH	124	529	85	9.0	45.0%	71.6%
WH	301	300	16	10.0	50.0%	33.8%
WH	313	480	30	11.6	57.8%	57.3%
Totals	106	102,015	6,211	1,267.6		
Averages		962	59	12.0	59.8%	65.7%

### Report 5 – Fall 2013

- Evening Utilization 5 pm to 10 pm
- 25 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	18.0	72.0%	56.0%
DHE	201	3,596	314	5.0	20.0%	26.6%
DHE	202	648	52	8.0	32.0%	32.7%
DHE	203	918	70	17.1	68.4%	85.4%
DHE	204	638	30	10.7	42.9%	30.0%
DHE	236	380	30	12.0	48.0%	18.9%
DHE	237	380	30	14.0	56.0%	38.6%
EH	204	570	30	14.2	56.8%	64.1%
EH	206	570	30	11.7	46.6%	53.5%
EH	208	720	40	13.2	52.8%	61.0%
EH	210	720	45	12.2	48.8%	48.9%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
EH	212	720	40	12.7	50.8%	47.6%
EH	214	837	48	12.7	50.8%	63.4%
EH	235	1,054	40	15.4	61.7%	61.6%
EH	237	1,054	40	16.4	65.7%	57.0%
EH	239	1,054	40	13.7	54.8%	45.4%
HHB	1005	1,828	80	11.6	46.6%	54.7%
HHB	1006	1,563	50	12.2	48.6%	60.1%
HHB	1031	729	30	6.8	27.1%	29.8%
HHB	1050	4,384	200	4.6	18.2%	66.7%
HHB	2023	1,442	50	11.3	45.3%	55.0%
HHB	2085	1,213	55	13.7	54.6%	62.8%
HHB	2086	1,307	60	11.0	43.9%	49.0%
HHB	4043	1,938	80	13.8	55.0%	30.4%
HHB	4050	2,695	112	10.0	40.0%	49.4%
HHB	5036	1,208	50	12.1	48.6%	41.7%
HHB	5037	1,967	80	14.4	57.5%	49.0%
HHB	5045	2,730	112	10.5	42.1%	57.5%
HHS	190	2,024	187	8.0	32.0%	48.4%
HHS	195	2,254	187	4.1	16.2%	32.9%
HHS	220	550	40	14.8	59.1%	37.7%
HHS	225	414	30	10.0	40.0%	62.3%
NFH	156	1,980	144	9.1	36.2%	50.4%
ODH	202A	1,344	83	6.0	24.0%	75.1%
ODH	202B	1,848	111	4.6	18.2%	55.1%
ODH	202C	1,394	83	12.0	48.0%	34.9%
PH	302	1,711	72	13.7	54.8%	51.2%
PH	306	957	48	14.2	56.8%	51.0%
PH	307	925	49	11.6	46.6%	41.4%
PH	308	928	48	10.6	42.6%	45.1%
PH	309	925	49	13.2	52.8%	28.0%
PH	310	754	36	14.2	56.8%	77.1%
PH	312	725	36	11.7	46.6%	27.0%
PH	314	1,248	48	14.7	58.8%	42.6%
PH	316	957	48	15.2	60.8%	41.9%
PH	318	928	48	14.2	56.8%	21.9%
PH	320	754	36	15.8	63.0%	54.6%
SEB	93	570	35	15.4	61.5%	57.4%
SEB	130	630	42	16.0	64.0%	21.4%
SEB	164	1,134	70	16.0	64.0%	58.2%
SEB	168	1,107	70	14.0	56.0%	74.3%
SEB	172	1,134	70	17.0	68.0%	39.9%
SEB	185	840	50	17.5	70.0%	33.4%
SEB	187	540	36	13.0	52.0%	42.1%
SEB	364	400	26	15.8	63.1%	53.0%
SEB	372	960	50	12.0	48.0%	36.0%
SEB	376	600	28	17.0	68.0%	29.8%
SEB	378	600	30	18.0	72.0%	34.8%
SEB	384	660	44	14.0	56.0%	38.1%
SEB	386	600	40	18.0	72.0%	42.9%
SEB	388	600	30	16.3	65.1%	42.8%
SFH	163	816	63	14.7	58.8%	62.4%
SFH	164	644	48	16.6	66.4%	30.5%
SFH	165	945	63	8.1	32.4%	83.5%
SFH	166	644	48	15.7	62.8%	48.2%
SFH	167	644	48	15.7	62.8%	42.7%
SFH	168	644	48	14.8	59.0%	36.7%
SFH	169	644	40	14.8	59.0%	52.7%
SFH	170	644	48	13.2	52.8%	54.4%
SFH	171	644	30	10.6	42.6%	61.1%
SFH	172	644	48	15.7	62.8%	44.5%
SFH	173	644	48	12.1	48.2%	35.8%
SFH	174	644	48	10.1	40.6%	61.7%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SFH	176	702	48	13.7	54.8%	54.1%
SFH	263	980	65	8.1	32.4%	76.5%
SFH	265	420	25	7.1	28.4%	42.0%
SFH	266	644	48	13.9	55.5%	48.6%
SFH	268	644	48	14.2	56.8%	53.1%
SFH	269	644	48	14.2	56.8%	49.5%
SFH	270	644	48	16.1	64.4%	37.1%
SFH	271	644	48	11.7	46.6%	52.8%
SFH	272	644	48	10.6	42.6%	29.2%
SFH	273	644	48	14.2	56.8%	47.9%
SFH	274	644	48	9.6	38.2%	37.5%
SFH	276	728	48	14.7	58.8%	60.3%
SFH	363	980	70	10.1	40.6%	54.4%
SFH	364	644	48	13.7	54.8%	64.3%
SFH	365	980	75	17.0	68.0%	76.4%
SFH	366	644	48	7.1	28.4%	65.6%
SFH	367	644	48	10.6	42.6%	54.9%
SFH	368	644	48	13.7	54.8%	56.3%
SFH	369	644	48	10.6	42.4%	42.5%
SFH	370	644	48	13.2	52.8%	33.0%
SFH	371	644	48	10.6	42.6%	47.2%
SFH	372	644	48	13.2	52.8%	40.2%
SFH	373	644	48	10.1	40.6%	37.1%
SFH	374	644	48	7.1	28.4%	59.4%
SFH	376	728	48	15.1	60.4%	36.1%
VAR	205	1,064	85	16.9	67.7%	61.0%
VAR	206	1,102	85	16.2	64.8%	65.0%
VAR	479	966	30	10.6	42.6%	78.9%
WH	102	810	60	8.6	34.2%	66.7%
WH	105	783	60	10.6	42.6%	53.3%
WH	124	529	85	9.0	36.0%	16.7%
WH	301	300	16	13.1	52.4%	55.2%
WH	313	480	30	10.6	42.6%	54.4%
Totals	106	102,015	6,211	1,334.4		
Averages		962	59	12.6	50.4%	45.7%

### Report 6 – Fall 2013

- Saturday Utilization 8 am to 5 pm
- 9 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	201	3596	314	3.22	35.8%	21.0%
DHE	236	380	30	3.72	41.3%	56.7%
EH	204	570	30	3.55	39.4%	23.3%
EH	206	570	30	3.55	39.4%	80.0%
EH	212	720	40	3.05	33.9%	80.0%
EH	214	837	48	3.22	35.8%	39.6%
EH	235	1054	40	8.27	91.9%	35.4%
EH	237	1054	40	8.77	97.4%	35.0%
PH	306	957	48	5.22	58.0%	31.3%
PH	309	925	49	7.88	87.6%	16.3%
PH	312	725	36	6.22	69.1%	41.7%
PH	314	1248	48	6.22	69.1%	31.3%
PH	320	754	36	7.10	78.9%	25.0%
SEB	164	1134	70	2.22	24.7%	52.9%
SEB	168	1107	70	2.22	24.7%	131.4%
SEB	185	840	50	2.22	24.7%	82.0%
SEB	187	540	36	3.72	41.3%	11.1%
VAR	205	1064	85	3.55	39.4%	10.6%
WH	105	783	60	2.22	24.7%	90.0%

WH	313	480	30	3.55	39.4%	70.0%
Totals	20	19,338	1,190	90		
Averages		967	60	4.5	49.8%	33.6%

## Report 7 – Winter 2014

- All Day Utilization 8 am to 10 pm
- 75 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	51.1	68.2%	52.8%
DHE	201	3,596	314	34.7	46.3%	31.1%
DHE	202	648	52	36.3	48.4%	46.9%
DHE	203	918	70	28.0	37.3%	60.1%
DHE	204	638	30	34.0	45.3%	36.5%
DHE	236	380	30	36.0	48.0%	55.6%
DHE	237	380	30	32.0	42.7%	56.7%
EH	204	570	30	48.6	64.8%	65.0%
EH	206	570	30	40.0	53.3%	47.8%
EH	208	720	40	38.3	51.1%	62.9%
EH	210	720	45	44.0	58.7%	53.3%
EH	212	720	40	53.8	71.7%	68.6%
EH	214	837	48	46.7	62.3%	48.2%
EH	235	1,054	40	45.6	60.9%	60.2%
EH	237	1,054	40	50.4	67.2%	57.6%
EH	239	1,054	40	35.1	46.7%	71.0%
HHB	1005	1,828	80	29.1	38.8%	46.4%
HHB	1006	1,563	50	48.9	65.2%	54.5%
HHB	1031	729	30	27.7	37.0%	50.6%
HHB	1050	4,384	200	34.7	46.2%	65.8%
HHB	2023	1,442	50	39.4	52.5%	62.9%
HHB	2085	1,213	55	35.0	46.7%	52.8%
HHB	2086	1,307	60	29.5	39.4%	44.6%
HHB	4043	1,938	80	31.4	41.9%	59.1%
HHB	4050	2,695	112	33.3	44.4%	75.0%
HHB	5036	1,208	50	44.3	59.1%	68.0%
HHB	5037	1,967	80	31.3	41.7%	46.7%
HHB	5045	2,730	112	42.9	57.2%	69.6%
HHS	190	2,024	187	40.0	53.3%	74.6%
HHS	195	2,254	187	49.1	65.5%	56.5%
HHS	220	550	40	40.0	53.3%	60.0%
HHS	225	414	30	38.8	51.7%	48.1%
NFH	156	1,980	144	39.1	52.1%	74.6%
ODH	202A	1,344	83	36.4	48.5%	61.9%
ODH	202B	1,848	111	39.1	52.1%	63.0%
ODH	202C	1,394	83	34.3	45.8%	54.6%
PH	302	1,711	72	45.1	60.2%	49.3%
PH	306	957	48	40.9	54.6%	57.9%
PH	307	925	49	44.7	59.7%	43.6%
PH	308	928	48	27.7	37.0%	50.1%
PH	309	925	49	46.2	61.6%	55.5%
PH	310	754	36	48.5	64.6%	57.5%
PH	312	725	36	43.1	57.5%	48.4%
PH	314	1,248	48	49.4	65.8%	55.6%
PH	316	957	48	46.2	61.6%	64.6%
PH	318	928	48	45.3	60.4%	46.8%
PH	320	754	36	43.5	58.0%	54.8%
SEB	93	570	35	34.2	45.6%	42.8%
SEB	130	630	42	40.0	53.3%	64.5%
SEB	164	1,134	70	48.0	64.0%	58.7%
SEB	168	1,107	70	50.0	66.7%	53.5%
SEB	172	1,134	70	43.2	57.6%	52.6%
SEB	185	840	50	48.9	65.2%	55.2%
SEB	187	540	36	40.0	53.3%	55.6%
SEB	364	400	26	32.0	42.7%	45.2%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SEB	372	960	50	16.2	21.6%	50.2%
SEB	376	600	28	40.0	53.3%	38.2%
SEB	378	600	30	40.0	53.3%	63.0%
SEB	384	660	44	54.0	72.0%	46.1%
SEB	386	600	40	48.0	64.0%	45.8%
SEB	388	600	30	41.4	55.2%	46.9%
SFH	163	816	63	44.5	59.4%	75.4%
SFH	164	644	48	48.4	64.5%	50.3%
SFH	165	945	63	31.1	41.5%	81.0%
SFH	166	644	48	38.4	51.2%	59.7%
SFH	167	644	48	47.5	63.3%	49.0%
SFH	168	644	48	46.2	61.6%	53.0%
SFH	169	644	40	46.2	61.6%	62.1%
SFH	170	644	48	51.6	68.9%	41.5%
SFH	171	644	30	51.1	68.1%	55.2%
SFH	172	644	48	43.0	57.4%	45.6%
SFH	173	644	48	44.2	58.9%	53.8%
SFH	174	644	48	47.5	63.3%	59.1%
SFH	176	702	48	35.1	46.8%	42.6%
SFH	263	980	65	37.0	49.4%	70.2%
SFH	265	420	25	34.8	46.4%	50.7%
SFH	266	644	48	41.8	55.7%	60.8%
SFH	268	644	48	45.7	60.9%	57.6%
SFH	269	644	48	50.1	66.9%	60.5%
SFH	270	644	48	43.7	58.2%	41.9%
SFH	271	644	48	52.4	69.9%	55.5%
SFH	272	644	48	36.9	49.2%	50.7%
SFH	273	644	48	42.6	56.9%	50.3%
SFH	274	644	48	49.7	66.3%	46.7%
SFH	276	728	48	49.7	66.3%	43.3%
SFH	363	980	70	35.1	46.8%	72.1%
SFH	364	644	48	46.7	62.2%	39.9%
SFH	365	980	75	43.4	57.9%	65.6%
SFH	366	644	48	44.4	59.2%	47.1%
SFH	367	644	48	31.5	42.0%	47.4%
SFH	368	644	48	38.6	51.5%	43.8%
SFH	369	644	48	44.0	58.7%	50.6%
SFH	370	644	48	49.7	66.3%	43.0%
SFH	371	644	48	43.6	58.1%	43.2%
SFH	372	644	48	37.8	50.4%	49.9%
SFH	373	644	48	40.4	53.9%	45.5%
SFH	374	644	48	41.3	55.0%	56.2%
SFH	376	728	48	44.4	59.3%	43.7%
VAR	205	1,064	85	50.2	66.9%	52.8%
VAR	206	1,102	85	53.1	70.8%	52.1%
VAR	479	966	30	50.2	66.9%	69.6%
WH	102	810	60	43.1	57.5%	67.1%
WH	105	783	60	31.1	41.5%	75.4%
WH	124	529	85	34.6	46.1%	55.9%
WH	301	300	16	34.7	46.2%	54.6%
WH	313	480	30	40.5	54.0%	55.6%
Totals	106	102,015	6,211	4,393.4		
Averages		962	59	41.4	55.3%	54.9%



## Report 8 – Winter 2014

- Daytime Utilization 8 am to 5 pm
- 45 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812.0	95.0	34.1	75.9%	65.6%
DHE	201	3,596.0	314.0	30.7	68.3%	32.0%
DHE	202	648.0	52.0	24.3	53.9%	52.7%
DHE	203	918.0	70.0	23.0	51.1%	68.4%
DHE	204	638.0	30.0	22.0	48.9%	44.8%
DHE	236	380.0	30.0	23.0	51.1%	76.4%
DHE	237	380.0	30.0	20.0	44.4%	70.0%
EH	204	570.0	30.0	34.9	77.6%	60.2%
EH	206	570.0	30.0	24.7	54.8%	43.2%
EH	208	720.0	40.0	26.1	58.1%	62.3%
EH	210	720.0	45.0	31.8	70.6%	51.7%
EH	212	720.0	40.0	40.1	89.1%	67.2%
EH	214	837.0	48.0	34.0	75.6%	53.1%
EH	235	1,054.0	40.0	29.7	66.0%	59.9%
EH	237	1,054.0	40.0	33.9	75.4%	61.6%
EH	239	1,054.0	40.0	20.9	46.4%	69.2%
HHB	1005	1,828.0	80.0	17.5	39.0%	44.5%
HHB	1006	1,563.0	50.0	38.8	86.2%	50.1%
HHB	1031	729.0	30.0	22.7	50.4%	55.9%
HHB	1050	4,384.0	200.0	23.0	51.1%	74.9%
HHB	2023	1,442.0	50.0	24.7	55.0%	59.2%
HHB	2085	1,213.0	55.0	29.0	64.4%	53.0%
HHB	2086	1,307.0	60.0	20.0	44.4%	46.7%
HHB	4043	1,938.0	80.0	23.0	51.1%	68.9%
HHB	4050	2,695.0	112.0	22.6	50.3%	77.7%
HHB	5036	1,208.0	50.0	31.2	69.4%	67.6%
HHB	5037	1,967.0	80.0	19.7	43.8%	49.6%
HHB	5045	2,730.0	112.0	35.2	78.3%	76.6%
HHS	190	2,024.0	187.0	35.0	77.8%	79.2%
HHS	195	2,254.0	187.0	40.1	89.2%	59.1%
HHS	220	550.0	40.0	28.0	62.2%	69.3%
HHS	225	414.0	30.0	23.0	51.1%	59.7%
NFH	156	1,980.0	144.0	31.0	68.9%	84.9%
ODH	202A	1,344.0	83.0	27.9	62.0%	61.6%
ODH	202B	1,848.0	111.0	31.0	68.9%	64.8%
ODH	202C	1,394.0	83.0	20.1	44.7%	68.4%
PH	302	1,711.0	72.0	29.9	66.5%	59.0%
PH	306	957.0	48.0	30.3	67.3%	59.5%
PH	307	925.0	49.0	34.1	75.8%	52.3%
PH	308	928.0	48.0	17.1	38.0%	53.2%
PH	309	925.0	49.0	31.0	68.9%	57.9%
PH	310	754.0	36.0	33.3	73.9%	54.0%
PH	312	725.0	36.0	28.9	64.2%	50.3%
PH	314	1,248.0	48.0	36.0	80.0%	64.6%
PH	316	957.0	48.0	32.0	71.1%	79.2%
PH	318	928.0	48.0	30.1	66.9%	52.7%
PH	320	754.0	36.0	29.3	65.1%	61.2%
SEB	93	570.0	35.0	22.7	50.4%	52.2%
SEB	130	630.0	42.0	29.0	64.4%	68.5%
SEB	164	1,134.0	70.0	30.0	66.7%	65.2%
SEB	168	1,107.0	70.0	32.0	71.1%	64.0%
SEB	172	1,134.0	70.0	30.0	66.7%	63.9%
SEB	185	840.0	50.0	35.9	79.8%	66.4%
SEB	187	540.0	36.0	23.0	51.1%	64.1%
SEB	364	400.0	26.0	27.0	60.0%	49.6%
SEB	372	960.0	50.0	4.2	9.3%	8.5%
SEB	376	600.0	28.0	23.0	51.1%	42.2%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SEB	378	600.0	30.0	22.0	48.9%	72.7%
SEB	384	660.0	44.0	38.0	84.4%	57.9%
SEB	386	600.0	40.0	34.0	75.6%	54.3%
SEB	388	600.0	30.0	30.3	67.4%	50.1%
SFH	163	816.0	63.0	33.4	74.2%	86.8%
SFH	164	644.0	48.0	33.7	74.8%	54.0%
SFH	165	945.0	63.0	24.0	53.3%	88.1%
SFH	166	644.0	48.0	24.7	54.8%	63.8%
SFH	167	644.0	48.0	35.3	78.5%	44.7%
SFH	168	644.0	48.0	31.0	68.9%	55.1%
SFH	169	644.0	40.0	31.0	68.9%	64.5%
SFH	170	644.0	48.0	39.0	86.7%	39.4%
SFH	171	644.0	30.0	39.0	86.7%	53.7%
SFH	172	644.0	48.0	36.0	80.0%	45.8%
SFH	173	644.0	48.0	32.0	71.1%	53.6%
SFH	174	644.0	48.0	37.3	83.0%	59.6%
SFH	176	702.0	48.0	28.0	62.2%	37.8%
SFH	263	980.0	65.0	21.9	48.7%	67.3%
SFH	265	420.0	25.0	28.0	62.2%	50.9%
SFH	266	644.0	48.0	30.6	68.0%	68.2%
SFH	268	644.0	48.0	32.0	71.1%	54.9%
SFH	269	644.0	48.0	35.4	78.8%	65.6%
SFH	270	644.0	48.0	27.0	60.0%	38.2%
SFH	271	644.0	48.0	36.3	80.8%	62.1%
SFH	272	644.0	48.0	29.4	65.2%	49.9%
SFH	273	644.0	48.0	31.0	68.9%	55.1%
SFH	274	644.0	48.0	36.0	80.0%	43.8%
SFH	276	728.0	48.0	35.0	77.8%	41.0%
SFH	363	980.0	70.0	19.0	42.2%	71.7%
SFH	364	644.0	48.0	31.6	70.1%	49.1%
SFH	365	980.0	75.0	34.3	76.2%	72.7%
SFH	366	644.0	48.0	30.2	67.2%	42.0%
SFH	367	644.0	48.0	24.9	55.3%	44.3%
SFH	368	644.0	48.0	32.0	71.1%	37.5%
SFH	369	644.0	48.0	33.3	74.1%	50.8%
SFH	370	644.0	48.0	35.0	77.8%	37.3%
SFH	371	644.0	48.0	32.0	71.1%	46.3%
SFH	372	644.0	48.0	25.7	57.1%	44.9%
SFH	373	644.0	48.0	28.4	63.0%	46.2%
SFH	374	644.0	48.0	29.7	65.9%	57.6%
SFH	376	728.0	48.0	29.4	65.2%	44.2%
VAR	205	1,064.0	85.0	36.0	80.0%	57.0%
VAR	206	1,102.0	85.0	36.9	82.1%	55.2%
VAR	479	966.0	30.0	35.0	77.8%	70.7%
WH	102	810.0	60.0	35.0	77.8%	69.0%
WH	105	783.0	60.0	24.0	53.3%	77.8%
WH	124	529.0	85.0	28.0	62.2%	60.5%
WH	301	300.0	16.0	23.0	51.1%	53.3%
WH	313	480.0	30.0	29.7	65.9%	56.1%
Totals	106	102,015.0	6,211.0	3,110.1		
Averages		962.4	58.6	29.3	65.2%	59.7%

### Report 9 – Winter 2014

- Prime Time Utilization 10 am to 3 pm
- 25 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	21.2	84.6%	59.4%
DHE	201	3,596	314	16.7	66.7%	35.7%
DHE	202	648	52	17.9	71.5%	52.2%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	203	918	70	14.3	57.4%	66.3%
DHE	204	638	30	16.0	64.0%	51.7%
DHE	236	380	30	14.0	56.0%	80.0%
DHE	237	380	30	14.0	56.0%	70.0%
EH	204	570	30	20.0	80.0%	63.3%
EH	206	570	30	20.7	82.7%	45.4%
EH	208	720	40	19.6	78.4%	56.5%
EH	210	720	45	20.6	82.4%	48.5%
EH	212	720	40	22.8	91.1%	64.4%
EH	214	837	48	18.9	75.7%	48.4%
EH	235	1,054	40	15.9	63.4%	54.5%
EH	237	1,054	40	20.9	83.7%	65.6%
EH	239	1,054	40	13.9	55.4%	76.7%
HHB	1005	1,828	80	15.6	62.2%	48.1%
HHB	1006	1,563	50	22.0	88.0%	49.6%
HHB	1031	729	30	10.3	41.3%	47.4%
HHB	1050	4,384	200	16.0	64.0%	86.9%
HHB	2023	1,442	50	17.2	68.9%	59.7%
HHB	2085	1,213	55	23.0	92.0%	52.0%
HHB	2086	1,307	60	16.0	64.0%	41.3%
HHB	4043	1,938	80	12.0	48.0%	69.2%
HHB	4050	2,695	112	13.1	52.5%	84.8%
HHB	5036	1,208	50	17.9	71.5%	68.1%
HHB	5037	1,967	80	11.0	44.0%	45.5%
HHB	5045	2,730	112	20.0	80.1%	73.9%
HHS	190	2,024	187	18.0	72.0%	76.4%
HHS	195	2,254	187	23.1	92.5%	53.4%
HHS	220	550	40	20.0	80.0%	79.0%
HHS	225	414	30	17.0	68.0%	60.8%
NFH	156	1,980	144	22.0	88.0%	84.8%
ODH	202A	1,344	83	16.4	65.7%	58.3%
ODH	202B	1,848	111	18.0	72.0%	72.9%
ODH	202C	1,394	83	15.1	60.5%	69.2%
PH	302	1,711	72	16.0	64.0%	64.2%
PH	306	957	48	18.0	72.0%	60.4%
PH	307	925	49	21.1	84.4%	51.7%
PH	308	928	48	13.3	53.4%	52.9%
PH	309	925	49	18.0	72.0%	62.8%
PH	310	754	36	22.0	88.0%	56.6%
PH	312	725	36	18.3	73.4%	53.6%
PH	314	1,248	48	23.0	92.0%	71.9%
PH	316	957	48	23.0	92.0%	84.1%
PH	318	928	48	17.6	70.4%	56.9%
PH	320	754	36	17.4	69.8%	62.5%
SEB	93	570	35	18.0	72.0%	52.4%
SEB	130	630	42	17.0	68.0%	68.9%
SEB	164	1,134	70	18.0	72.0%	61.4%
SEB	168	1,107	70	22.0	88.0%	70.9%
SEB	172	1,134	70	18.0	72.0%	69.5%
SEB	185	840	50	20.0	80.0%	68.4%
SEB	187	540	36	16.0	64.0%	67.4%
SEB	364	400	26	18.0	72.0%	44.0%
SEB	372	960	50	4.2	16.7%	8.5%
SEB	376	600	28	16.0	64.0%	28.6%
SEB	378	600	30	14.0	56.0%	73.3%
SEB	384	660	44	21.0	84.0%	59.0%
SEB	386	600	40	18.0	72.0%	65.3%
SEB	388	600	30	20.3	81.4%	59.8%
SFH	163	816	63	21.4	85.6%	96.0%
SFH	164	644	48	22.0	88.0%	60.8%
SFH	165	945	63	20.0	80.0%	87.3%
SFH	166	644	48	18.7	74.7%	68.4%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SFH	167	644	48	20.3	81.4%	40.9%
SFH	168	644	48	15.3	61.4%	56.7%
SFH	169	644	40	22.0	88.0%	69.1%
SFH	170	644	48	22.0	88.0%	37.9%
SFH	171	644	30	22.0	88.0%	53.9%
SFH	172	644	48	23.0	92.0%	48.6%
SFH	173	644	48	19.7	78.7%	45.4%
SFH	174	644	48	20.3	81.4%	68.4%
SFH	176	702	48	22.0	88.0%	38.4%
SFH	263	980	65	16.9	67.7%	68.1%
SFH	265	420	25	19.0	76.0%	55.2%
SFH	266	644	48	22.6	90.6%	67.4%
SFH	268	644	48	23.0	92.0%	59.4%
SFH	269	644	48	18.4	73.8%	62.6%
SFH	270	644	48	19.7	78.7%	42.7%
SFH	271	644	48	19.3	77.4%	55.0%
SFH	272	644	48	18.0	72.0%	55.2%
SFH	273	644	48	22.0	88.0%	61.2%
SFH	274	644	48	19.0	76.0%	43.6%
SFH	276	728	48	22.0	88.0%	38.8%
SFH	363	980	70	10.0	40.0%	90.9%
SFH	364	644	48	21.2	84.9%	53.7%
SFH	365	980	75	25.3	101.1%	80.8%
SFH	366	644	48	19.7	78.9%	43.7%
SFH	367	644	48	16.9	67.6%	47.3%
SFH	368	644	48	19.7	78.7%	41.4%
SFH	369	644	48	21.0	84.0%	52.0%
SFH	370	644	48	18.0	72.0%	41.1%
SFH	371	644	48	19.7	78.7%	47.5%
SFH	372	644	48	17.3	69.4%	38.5%
SFH	373	644	48	17.3	69.4%	44.6%
SFH	374	644	48	21.3	85.3%	66.9%
SFH	376	728	48	17.3	69.4%	48.7%
VAR	205	1,064	85	23.0	92.0%	55.3%
VAR	206	1,102	85	21.9	87.7%	54.6%
VAR	479	966	30	20.0	80.0%	68.7%
WH	102	810	60	22.0	88.0%	71.2%
WH	105	783	60	18.0	72.0%	83.7%
WH	124	529	85	19.0	76.0%	64.5%
WH	301	300	16	18.0	72.0%	56.9%
WH	313	480	30	20.7	82.7%	60.1%
Totals	106	102,015	6,211	1,975.7		
Averages		962	59	18.6	74.6%	60.7%

### Report 10 – Winter 2014

- Off Peak Utilization 8 am to 10 am and 3 pm to 5 pm
- 20 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812.0	95.0	13.0	65.0%	75.7%
DHE	201	3,596.0	314.0	14.0	70.2%	27.7%
DHE	202	648.0	52.0	6.4	31.9%	54.2%
DHE	203	918.0	70.0	8.7	43.4%	71.9%
DHE	204	638.0	30.0	6.0	30.0%	26.7%
DHE	236	380.0	30.0	9.0	45.0%	70.7%
DHE	237	380.0	30.0	6.0	30.0%	70.0%
EH	204	570.0	30.0	14.9	74.7%	56.0%
EH	206	570.0	30.0	4.0	20.0%	31.7%
EH	208	720.0	40.0	6.5	32.7%	79.4%
EH	210	720.0	45.0	11.2	56.0%	57.7%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
EH	212	720.0	40.0	17.3	86.5%	70.9%
EH	214	837.0	48.0	15.1	75.5%	59.1%
EH	235	1,054.0	40.0	13.9	69.3%	66.0%
EH	237	1,054.0	40.0	13.0	65.0%	55.0%
EH	239	1,054.0	40.0	7.0	35.0%	54.3%
HHB	1005	1,828.0	80.0	2.0	10.0%	16.3%
HHB	1006	1,563.0	50.0	16.8	83.9%	50.7%
HHB	1031	729.0	30.0	12.3	61.7%	63.0%
HHB	1050	4,384.0	200.0	7.0	35.0%	47.5%
HHB	2023	1,442.0	50.0	7.5	37.5%	58.1%
HHB	2085	1,213.0	55.0	6.0	30.0%	57.0%
HHB	2086	1,307.0	60.0	4.0	20.0%	68.3%
HHB	4043	1,938.0	80.0	11.0	55.0%	68.6%
HHB	4050	2,695.0	112.0	9.5	47.5%	67.9%
HHB	5036	1,208.0	50.0	13.3	66.6%	67.0%
HHB	5037	1,967.0	80.0	8.7	43.6%	54.8%
HHB	5045	2,730.0	112.0	15.2	76.0%	80.2%
HHS	190	2,024.0	187.0	17.0	85.0%	82.3%
HHS	195	2,254.0	187.0	17.0	85.0%	66.8%
HHS	220	550.0	40.0	8.0	40.0%	45.0%
HHS	225	414.0	30.0	6.0	30.0%	56.7%
NFH	156	1,980.0	144.0	9.0	45.0%	84.9%
ODH	202A	1,344.0	83.0	11.5	57.3%	66.3%
ODH	202B	1,848.0	111.0	13.0	65.0%	53.7%
ODH	202C	1,394.0	83.0	5.0	25.0%	65.8%
PH	302	1,711.0	72.0	13.9	69.7%	53.0%
PH	306	957.0	48.0	12.3	61.4%	58.1%
PH	307	925.0	49.0	13.0	65.0%	53.2%
PH	308	928.0	48.0	3.8	18.8%	54.2%
PH	309	925.0	49.0	13.0	65.0%	51.2%
PH	310	754.0	36.0	11.3	56.4%	49.1%
PH	312	725.0	36.0	10.5	52.7%	44.7%
PH	314	1,248.0	48.0	13.0	65.0%	51.6%
PH	316	957.0	48.0	9.0	45.0%	66.7%
PH	318	928.0	48.0	12.5	62.5%	46.8%
PH	320	754.0	36.0	11.9	59.3%	59.3%
SEB	93	570.0	35.0	4.7	23.4%	51.5%
SEB	130	630.0	42.0	12.0	60.0%	67.9%
SEB	164	1,134.0	70.0	12.0	60.0%	70.8%
SEB	168	1,107.0	70.0	10.0	50.0%	48.9%
SEB	172	1,134.0	70.0	12.0	60.0%	55.4%
SEB	185	840.0	50.0	15.9	79.7%	64.0%
SEB	187	540.0	36.0	7.0	35.0%	56.7%
SEB	364	400.0	26.0	9.0	45.0%	60.7%
SEB	372	960.0	50.0	0.0	0.0%	0.0%
SEB	376	600.0	28.0	7.0	35.0%	73.5%
SEB	378	600.0	30.0	8.0	40.0%	71.7%
SEB	384	660.0	44.0	17.0	85.0%	56.6%
SEB	386	600.0	40.0	16.0	80.0%	41.9%
SEB	388	600.0	30.0	10.0	50.0%	30.3%
SFH	163	816.0	63.0	12.0	60.0%	70.2%
SFH	164	644.0	48.0	11.7	58.3%	41.1%
SFH	165	945.0	63.0	4.0	20.0%	92.1%
SFH	166	644.0	48.0	6.0	30.0%	49.3%
SFH	167	644.0	48.0	15.0	75.0%	49.7%
SFH	168	644.0	48.0	15.7	78.4%	53.5%
SFH	169	644.0	40.0	9.0	45.0%	53.3%
SFH	170	644.0	48.0	17.0	85.0%	41.3%
SFH	171	644.0	30.0	17.0	85.0%	53.3%
SFH	172	644.0	48.0	13.0	65.0%	40.9%
SFH	173	644.0	48.0	12.3	61.7%	66.5%
SFH	174	644.0	48.0	17.0	85.0%	49.0%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SFH	176	702.0	48.0	6.0	30.0%	35.4%
SFH	263	980.0	65.0	5.0	25.0%	64.3%
SFH	265	420.0	25.0	9.0	45.0%	41.8%
SFH	266	644.0	48.0	7.9	39.7%	70.5%
SFH	268	644.0	48.0	9.0	45.0%	43.5%
SFH	269	644.0	48.0	17.0	85.0%	68.9%
SFH	270	644.0	48.0	7.3	36.7%	26.2%
SFH	271	644.0	48.0	17.0	85.0%	70.2%
SFH	272	644.0	48.0	11.3	56.7%	41.4%
SFH	273	644.0	48.0	9.0	45.0%	40.3%
SFH	274	644.0	48.0	17.0	85.0%	43.9%
SFH	276	728.0	48.0	13.0	65.0%	44.6%
SFH	363	980.0	70.0	9.0	45.0%	50.3%
SFH	364	644.0	48.0	10.3	51.7%	39.7%
SFH	365	980.0	75.0	9.0	45.0%	50.1%
SFH	366	644.0	48.0	10.5	52.5%	39.0%
SFH	367	644.0	48.0	8.0	40.0%	38.0%
SFH	368	644.0	48.0	12.3	61.7%	31.3%
SFH	369	644.0	48.0	12.3	61.7%	48.9%
SFH	370	644.0	48.0	17.0	85.0%	33.2%
SFH	371	644.0	48.0	12.3	61.7%	44.3%
SFH	372	644.0	48.0	8.3	41.7%	58.3%
SFH	373	644.0	48.0	11.0	55.1%	48.7%
SFH	374	644.0	48.0	8.3	41.7%	33.6%
SFH	376	728.0	48.0	12.0	60.1%	37.7%
VAR	205	1,064.0	85.0	13.0	65.0%	59.9%
VAR	206	1,102.0	85.0	15.0	75.0%	56.1%
VAR	479	966.0	30.0	15.0	75.1%	73.3%
WH	102	810.0	60.0	13.0	65.0%	65.4%
WH	105	783.0	60.0	6.0	30.0%	60.0%
WH	124	529.0	85.0	9.0	45.0%	52.2%
WH	301	300.0	16.0	5.0	25.0%	40.0%
WH	313	480.0	30.0	9.0	45.0%	47.0%
Totals	106	102,015	6,211	1,134.5		
Averages		962	59	10.7	53.5%	58.1%

### Report 11 – Winter 2014

- Evening Utilization 5 pm to 10 pm
- 25 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	200	812	95	17.0	68.0%	27.2%
DHE	201	3,596	314	4.0	16.0%	23.8%
DHE	202	648	52	12.0	48.0%	35.3%
DHE	203	918	70	5.0	20.0%	22.0%
DHE	204	638	30	12.0	48.0%	21.1%
DHE	236	380	30	13.0	52.0%	18.7%
DHE	237	380	30	12.0	48.0%	34.4%
EH	204	570	30	13.7	54.8%	77.2%
EH	206	570	30	15.3	61.2%	55.3%
EH	208	720	40	12.2	48.8%	64.4%
EH	210	720	45	12.2	48.8%	57.2%
EH	212	720	40	13.7	54.8%	72.6%
EH	214	837	48	12.7	50.8%	34.9%
EH	235	1,054	40	15.9	63.7%	60.7%
EH	237	1,054	40	16.5	65.9%	49.6%
EH	239	1,054	40	14.2	56.8%	73.6%
HHB	1005	1,828	80	11.6	46.2%	49.5%
HHB	1006	1,563	50	10.1	40.4%	71.6%
HHB	1031	729	30	5.1	20.2%	26.7%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
HHB	1050	4,384	200	11.7	46.6%	48.0%
HHB	2023	1,442	50	14.6	58.6%	69.0%
HHB	2085	1,213	55	6.1	24.2%	51.7%
HHB	2086	1,307	60	9.6	38.2%	40.3%
HHB	4043	1,938	80	8.4	33.7%	32.3%
HHB	4050	2,695	112	10.6	42.6%	69.3%
HHB	5036	1,208	50	13.1	52.4%	68.9%
HHB	5037	1,967	80	11.6	46.2%	41.7%
HHB	5045	2,730	112	7.7	30.7%	37.3%
HHS	190	2,024	187	5.0	20.0%	42.2%
HHS	195	2,254	187	9.0	36.0%	45.1%
HHS	220	550	40	12.0	48.0%	38.3%
HHS	225	414	30	15.8	63.1%	31.2%
NFH	156	1,980	144	8.1	32.4%	35.2%
ODH	202A	1,344	83	8.0	32.0%	62.0%
ODH	202B	1,848	111	8.1	32.4%	55.8%
ODH	202C	1,394	83	14.2	56.8%	35.1%
PH	302	1,711	72	15.2	60.8%	30.3%
PH	306	957	48	10.6	42.6%	53.5%
PH	307	925	49	10.6	42.6%	15.6%
PH	308	928	48	10.6	42.6%	45.1%
PH	309	925	49	15.2	60.8%	50.6%
PH	310	754	36	15.2	60.8%	65.2%
PH	312	725	36	14.2	56.8%	44.4%
PH	314	1,248	48	13.4	53.5%	31.5%
PH	316	957	48	14.2	56.8%	31.8%
PH	318	928	48	15.2	60.8%	35.1%
PH	320	754	36	14.2	56.8%	41.7%
SEB	93	570	35	11.6	46.2%	24.5%
SEB	130	630	42	11.0	44.0%	54.1%
SEB	164	1,134	70	18.0	72.0%	47.9%
SEB	168	1,107	70	18.0	72.0%	34.9%
SEB	172	1,134	70	13.2	52.9%	27.2%
SEB	185	840	50	13.0	52.0%	24.2%
SEB	187	540	36	17.0	68.0%	44.0%
SEB	364	400	26	5.0	20.0%	21.5%
SEB	372	960	50	12.0	48.0%	64.7%
SEB	376	600	28	17.0	68.0%	32.8%
SEB	378	600	30	18.0	72.0%	51.1%
SEB	384	660	44	16.0	64.0%	18.2%
SEB	386	600	40	14.0	56.0%	25.4%
SEB	388	600	30	11.0	44.2%	38.1%
SFH	163	816	63	11.2	44.6%	41.2%
SFH	164	644	48	14.7	58.8%	41.8%
SFH	165	945	63	7.1	28.4%	57.1%
SFH	166	644	48	13.7	54.8%	52.5%
SFH	167	644	48	12.2	48.6%	61.8%
SFH	168	644	48	15.2	60.8%	48.8%
SFH	169	644	40	15.2	60.8%	57.2%
SFH	170	644	48	12.6	50.6%	48.2%
SFH	171	644	30	12.1	48.4%	60.2%
SFH	172	644	48	7.1	28.2%	44.4%
SFH	173	644	48	12.2	48.6%	54.4%
SFH	174	644	48	10.1	40.6%	57.2%
SFH	176	702	48	7.1	28.4%	61.5%
SFH	263	980	65	15.1	60.4%	74.6%
SFH	265	420	25	6.8	27.1%	50.1%
SFH	266	644	48	11.2	44.8%	40.8%
SFH	268	644	48	13.7	54.8%	63.7%
SFH	269	644	48	14.7	58.8%	48.2%
SFH	270	644	48	16.7	66.7%	47.8%
SFH	271	644	48	16.1	64.4%	40.7%

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
SFH	272	644	48	7.6	30.2%	53.7%
SFH	273	644	48	11.7	46.6%	37.4%
SFH	274	644	48	13.7	54.8%	54.5%
SFH	276	728	48	14.7	58.8%	48.7%
SFH	363	980	70	16.1	64.4%	72.6%
SFH	364	644	48	15.1	60.4%	20.5%
SFH	365	980	75	9.1	36.6%	39.1%
SFH	366	644	48	14.2	56.8%	57.8%
SFH	367	644	48	6.6	26.4%	58.8%
SFH	368	644	48	6.6	26.4%	74.5%
SFH	369	644	48	10.6	42.6%	50.0%
SFH	370	644	48	14.7	58.8%	56.6%
SFH	371	644	48	11.6	46.2%	34.8%
SFH	372	644	48	12.1	48.4%	60.6%
SFH	373	644	48	12.1	48.4%	43.9%
SFH	374	644	48	11.6	46.4%	52.7%
SFH	376	728	48	15.1	60.4%	42.6%
VAR	205	1,064	85	14.2	56.8%	42.1%
VAR	206	1,102	85	16.2	64.8%	45.0%
VAR	479	966	30	15.2	60.8%	67.1%
WH	102	810	60	8.1	32.4%	58.5%
WH	105	783	60	7.1	28.4%	67.5%
WH	124	529	85	6.6	26.4%	36.4%
WH	301	300	16	11.7	46.6%	57.4%
WH	313	480	30	10.8	43.3%	54.1%
Totals	106	102,015	6,211	1,282.8		
Averages		962	59	12.1	48.4%	43.3%

## Report 12 – Winter 2014

- Saturday Utilization 8 am to 5 pm
- 9 Available Hours per Week

Building	Room	ASF	Capacity	WRH	WRH%	Station Occupancy
DHE	236	380.0	30.0	3.72	41.3%	26.7%
EH	235	1,054.0	40.0	4.05	45.0%	72.5%
EH	237	1,054.0	40.0	7.27	80.8%	32.5%
EH	239	1,054.0	40.0	8.72	96.9%	10.0%
PH	306	957.0	48.0	5.22	58.0%	27.1%
PH	309	925.0	49.0	3.55	39.4%	14.3%
PH	312	725.0	36.0	3.55	39.4%	33.3%
PH	320	754.0	36.0	6.22	69.1%	41.7%
SEB	130	630.0	42.0	3.72	41.3%	23.8%
SEB	164	1,134.0	70.0	2.22	24.7%	77.1%
SEB	168	1,107.0	70.0	3.22	35.8%	45.7%
SEB	185	840.0	50.0	2.22	24.7%	86.0%
SEB	378	600.0	30.0	3.72	41.3%	10.0%
SFH	367	644.0	48.0	1.00	11.1%	45.8%
WH	313	480.0	30.0	7.22	80.2%	65.4%
Totals	15	12,338	659	66		
Averages		823	44	4.4	48.6%	35.9%



# FACILITY CONDITION ASSESSMENT

## PLANT RENEWAL, DEFERRED PLANT RENEWAL & PLANT ADAPTATION BACKLOG

The Facilities management computerized Capital Asset Management (CAM) program is a relational database management system, containing over 1,600 projects; totaling over \$216 million. In addition to this summary report, the database is capable of producing ad-hoc reports by priority rank, building system, completed and In-process projects in the current fiscal year, and backlog category.

The objective with this document, in addition to identifying our needs, is to raise awareness of the deferred plant renewal liability, and to serve as a point of departure for broader facilities planning as well as to set priorities. These assessments identified needs, established scope, determined preliminary costs, and prioritized facility projects for the University.

Oakland University completed facility condition assessments in 2006 for 34 campus buildings and updates the assessments of four buildings each year.

<b>Executive Summary of 2015 &amp; 2016 Year Projects</b>						
System Code	Projects Category	Millions				
		2015 Projects Total	Completed Projects	In-Process Projects	New Projects added	2016 Projects Backlog
AC	Accessibility	\$ 3.27	\$ 0.08	\$ 0.03	\$ 2.54	\$ 5.70
CN	Controls	\$ -	\$ -	\$ 0.08	\$ 4.97	\$ 4.89
EL	Electrical	\$ 18.61	\$ 0.94	\$ 2.23	\$ 3.56	\$ 19.00
EN	Energy	\$ 5.15	\$ 0.12	\$ 0.34	\$ 0.18	\$ 4.87
ES	Exterior System	\$ 17.30	\$ 0.28	\$ 0.37	\$ (2.90)	\$ 13.75
FS	Fire/Life Safety	\$ 20.01	\$ 2.89	\$ 0.05	\$ (0.05)	\$ 17.02
HE	Health	\$ 0.94	\$ 0.14	\$ 0.07	\$ 0.22	\$ 0.95
HT	High Temp / Hot Water	\$ 9.49	\$ 0.52	\$ 0.21	\$ 0.80	\$ 9.55
HV	HVAC	\$ 41.73	\$ 1.15	\$ 1.35	\$ 2.93	\$ 42.17
IS	Interior System	\$ 29.99	\$ 2.32	\$ 3.25	\$ 7.49	\$ 31.91
IT	Information Technology	\$ 18.15	\$ 0.93	\$ 4.13	\$ 6.79	\$ 19.88
PL	Plumbing	\$ 16.95	\$ 4.17	\$ -	\$ (0.17)	\$ 12.61
RF	Roofing	\$ -	\$ 0.32	\$ 0.08	\$ 5.10	\$ 4.70
RW	Roads / Walks / Parking Lots	\$ 4.01	\$ 0.99	\$ 0.03	\$ 0.87	\$ 3.87
SI	Site	\$ 22.01	\$ -	\$ 0.58	\$ (20.07)	\$ 1.36
SS	Security Systems	\$ 2.65	\$ 0.13	\$ 1.00	\$ 1.16	\$ 2.68
SW	Storm Water	\$ -	\$ -	\$ 0.03	\$ 17.67	\$ 17.64
VT	Elevator	\$ 3.55	\$ 0.07	\$ -	\$ 0.10	\$ 3.59
	<b>Total</b>	<b>\$ 213.81</b>	<b>\$ 15.06</b>	<b>\$ 13.82</b>	<b>\$ 31.20</b>	<b>\$ 216.13</b>
	<b>NET CHANGE FROM PREVIOUS YEAR</b>					<b>\$ 2.32</b>

Remarks: Facility Management continually checks the validity of projects in the database and eliminates projects that are not viable. The total net change for the project backlog (\$2.32 M) is due to the addition of new projects and inflation.

## DEFINITIONS

Capital Asset Management is a systematic approach to renewing the University's capital assets through planned:

### **Plant Renewal**

### **Deferred Plant Renewal**

### **Plant Adaptation**

These terms have been formally defined by the National Association of College and University Business Officers (NACUBO) as follows:

#### **Plant Renewal**

"...a systematic approach to planning and budgeting for known future cyclical renewal and replacement requirements that extend the (present) life and retain the usable condition of campus facilities and (building) systems ... not normally contained in the annual operating budget. ..." (NACUBO) Cyclical renewals typically exceed five year cycles and include such items as roof replacement, electrical switchgear, and HVAC system replacement. These expenditures keep the physical plant and related infrastructure in reliable operating condition for its present use.

#### **Deferred Plant Renewal**

"... encompasses measures that are not carried out because of underfunding in the budgeting process or perceived low priority..." (NACUBO) This includes actual projects, from the prior or current years, not included in the routine maintenance work. These projects represent "Postponed Work" that was deferred because total costs exceed current budget, or projects that are of a "low priority" that present a minimal return on investment. Also included in the Deferred Plant Renewal project list are those projects that were shifted because funds were re-allocated to address emergencies that have no other funding source.

#### **Plant Adaptation**

"...improvements are driven by institutional program changes ..." (NACUBO) This involves a programmatic process to plan and fund for projects that will be required due to an evolving use of the institution (e.g., changes in academic disciplines, shifting expectations, supporting institutional mission, etc.), or changing standards (e.g., campus master plans, architectural standards, etc.). These expenditures are over and above normal maintenance, and are not typically contained in the annual operating budget.

## FACILITY CONDITION ASSESMENT RANKING

### PRIORITY 1

#### **Current Critical (immediate or current year)**

Projects in this category require immediate action to:

- Return a facility to normal operation
- Stop accelerated deterioration
- Correct a cited safety hazard
- Any other funded projects require immediate action or construction

### PRIORITY 2

#### **Potentially Critical (within one year)**

Projects in this category, if not corrected expeditiously, will become critical within a year. Situations in this category include:

- Intermittent interruptions
- Rapid deterioration
- Potential safety hazard

### PRIORITY 3

#### **Necessary – Not Yet Critical (within years two – five)**

Projects in this category include conditions requiring prompt attention to preclude predictable deterioration or potential down time and associated higher costs if deferred further.

### PRIORITY 4

#### **Recommended (within years six – ten)**

Projects in this category include items that represent a sensible improvement to existing conditions. These are not required for the most basic function of a facility; however, Priority 4 projects will either improve overall usability and/or reduce long-term maintenance.

### PRIORITY 5

#### **Recommended (beyond year ten)**

Projects in this category may not improve overall usability and/or reduce long-term maintenance; however, they provide an economic payback that would not otherwise be present. Projects in this category may represent to upgrade buildings with current codes during major renovation projects. Projects in this category may also represent non-time based improvement, upgrade, or recommendation.

## ABBREVIATIONS

**CAMPUS SYSTEM** - Accessibility (AC)  
 Electrical (EL)  
 Energy Management (EN)  
 Exterior Structure (ES)  
 Fire/Life Safety (FS)  
 Health (HE)  
 High Temperature / Heat Water (HT)  
 HVAC (HV)  
 Information Technology (IT)  
 Interior / Finish System (IS)  
 Plumbing (PL)  
 Roads, Walks, Parking Lots (RW)  
 Site (SI)  
 Vertical Transportation (VT)  
 Security Systems (SS)

**CATEGORY** - Plant Renewal (PR)  
 Deferred Plant Renewal (DPR)  
 Plant Adaptation (PA)

**FACILITIES CONDITION NEEDS INDEX (FCNI)** Facility Condition Needs Index provides a relative measure for comparing one building (or group of buildings) to another. The index is a simple calculation, derived by dividing the total project costs (for the ten-year window) by the total facility replacement cost (FRC). When applying the index as an evaluation tool, the lower the number, the better the facility condition. It should also be noted that this is an index, not a percentage. It can (and often does in the case of historic facilities) exceed 1.00.

### Facility Condition Needs Index

Individual Building FCNI Range	Condition Description
0.01– 0.05	Excellent condition, typically new construction
0.06 – 0.15	Good condition, renovations occur on schedule
0.16 – 0.30	Fair condition, in need of normal renovation
0.31 – 0.40	Below average condition, major renovation required
0.41 – 0.59	Poor condition, gut / renovation indicated
0.60 and above	Complete facility replacement indicated

**FACILITIES REPLACEMENT COST (FRC)** is reported as the total replacement cost for the building or structure and its contents or fixed assets. As an example, the FRC for student housing includes the replacement cost for the building and all the fixtures within each room. Likewise, the FRC for a central heating plant would include the cost of the structure and the boilers, generators and other equipment contained within.

**Executive Summary**  
**All Campus Buildings – Facility Condition Assessment**

No.	Building Code	Building Name	Use	Year Built	Square Feet	Facility Replacement Cost	Project Costs	FCNI Total	Benchmark Per APPA
1	AD	Athletic Dome	AUX	2014	110,800	\$5,179,785	\$10	0.00	Excellent
2	ANI	Anibal House	HS	1962	20,487	\$4,127,926	\$1,486,625	0.36	Below Average
3	AVN	Ann V. Nicholson Apartments	HS	1998	181,291	\$23,116,607	\$321,923	0.01	Excellent
4	BB	Belgian Barn	AUX	1935	9,324	\$750,001	\$237,259	0.32	Below Average
5	BGM	Building Grounds and Maintenance Bldg.	UNIV	1994	14,400	\$1,444,850	\$612,385	0.42	Poor Condition
6	BRS	Biomedical Research Support Facility	UNIV	1999	28,277	\$5,341,765	\$823,460	0.15	Good Condition
7	CAS	College of Arts & Science Annex	AD	1987	4,084	\$307,902	\$319,088	1.04	Complete Replacement
8	CCC	Chicken Coop Center *	AUX	1930	8,404	\$762,020	\$115,684	0.15	Good Condition
9	CHP	Central Heating Plant	UNIV	1974	16,833	\$25,151,871	\$1,800,897	0.07	Good Condition
10	DH	Dodge Hall	AD	1968	151,204	\$46,681,006	\$18,348,793	0.39	Below Average
11	EC	Engineering Center	AD	2014	134,286	\$77,232,396	\$10	0.00	Excellent
12	ECMB	East Campus & Misc. Buildings	AUX	N/A	86,664	\$22,237,184	\$3,539,646	0.16	Fair Condition
13	EH	Elliott Hall	AD	2000	74,582	\$16,597,174	\$2,694,456	0.16	Fair Condition
14	ET	Elliott Tower	UNIV	2014	950	\$6,733,721	\$10	0.00	Excellent
15	FM	Facilities Management	UNIV	2014	7,800	\$1,812,925	\$10	0.00	Excellent
16	FTZ	Fitzgerald House	HS	1961	20,610	\$4,152,708	\$1,398,233	0.34	Below Average
17	GAT	Gatehouse at MBH	UNIV	1929	2,032	\$970,347	\$321,413	0.33	Below Average
18	GHC	Graham Health Center	UNIV	1970	13,161	\$2,285,537	\$861,035	0.38	Below Average
19	GLC	Golf & Learning Center	AUX	1914	6,038	\$1,127,748	\$2,047,298	1.82	Complete Replacement
20	GLF	Golf Courses	AUX	N/A	0	\$24,903,335	\$8,909,547	0.36	Below Average
21	GP	Golf Pavilion	AUX	2014	5,450	\$1,346,744	\$10	0.00	Excellent
22	GRN	Greenhouse *	UNIV	1917	3,630	\$677,993	\$936,005	1.38	Complete Replacement
23	GTM	George T. Matthews Apartments	HS	1982	47,464	\$7,876,255	\$1,830,587	0.23	Fair Condition
24	HAM	Hamlin Hall	HS	1968	143,872	\$36,157,306	\$6,150,110	0.17	Fair Condition
25	HH	Hannah Hall	AD	1961	89,418	\$42,401,705	\$16,061,834	0.38	Below Average
26	HNB	Human Health Building	AD	2012	172,825	\$70,877,347	\$28,642	0.00	Excellent
27	HIL	Hill House	HS	1964	42,522	\$10,686,451	\$6,773,215	0.63	Complete Replacement
28	JDH	John Dodge House	AD	1880	10,696	\$2,008,815	\$541,324	0.27	Fair Condition
29	KL	Kresge Library	AD	1961	164,522	\$30,263,956	\$5,502,340	0.18	Fair Condition
30	MBH	Meadow Brook Hall	AUX	1929	78,002	\$49,806,671	\$9,842,659	0.20	Fair Condition
31	MC	Main Campus	UNIV	N/A	0	\$124,516,677	\$25,247,796	0.20	Fair Condition
32	MCMB	Main Campus Misc.	AUX	1960	25,978	\$4,589,436	\$211,000	0.05	Excellent
33	MSC	Mathematics & Science Center	AD	1997	165,494	\$58,143,275	\$6,134,648	0.11	Good Condition
34	NFH	North Foundation Hall	AD	1959	67,691	\$25,395,698	\$7,016,671	0.28	Fair Condition
35	OC	Oakland Center	AUX	1959	146,693	\$26,523,174	\$6,325,977	0.24	Fair Condition
36	ODH	O'Dowd Hall	AD	1982	105,000	\$41,390,342	\$9,265,460	0.22	Fair Condition
37	OIT	O'Dowd Hall IT Network Building	UNIV	2011	822	\$2,254,990	\$10	0.00	Excellent
38	OUI	O.U. INCubator Office	UNIV	1983	11,385	\$2,006,408	\$454,258	0.23	Fair Condition
39	OVH	Oak View Hill	HS	2014	164,724	\$31,026,912	\$10	0.00	Excellent
40	P32	Parking Structure	UNIV	2014	381,782	\$20,986,583	\$10	0.00	Excellent
41	PH	Pawley Hall	AD	2002	132,406	\$32,287,909	\$3,846,453	0.12	Good Condition
42	PRY	Pryale Hall	AD	1963	20,829	\$4,287,006	\$1,935,878	0.45	Poor Condition
43	PS1	Parking Structure	UNIV	2002	179,820	\$11,388,295	\$75,588	0.01	Excellent
44	PSS	Police and Support Services	UNIV	1976	26,444	\$4,698,771	\$1,006,449	0.21	Fair Condition
45	RAC	Student Recreation and Athletic Center	UNIV	1998	253,494	\$46,956,514	\$3,169,344	0.07	Good Condition

\* Historical Buildings

**Executive Summary**  
**All Campus Buildings – Facility Condition Assessment**

46	SFH	South Foundation Hall	AD	1959	55,041	\$11,328,489	\$4,515,824	0.40	Below Average
47	SGP	O.U. INC. Shotwell Gustafson Pavilion *	AUX	1929	25,850	\$4,828,134	\$1,024,023	0.21	Fair Condition
48	SS	Spenser Substation	UNIV	2003	14,769	\$2,758,480	\$87,283	0.03	Excellent
49	SSC	Steve Sharf Clubhouse	AUX	2011	9,900	\$3,816,473	\$115,038	0.03	Excellent
50	SST	Sunset Terrace *	UNIV	1952	12,587	\$2,833,518	\$1,581,081	0.56	Poor Condition
51	UF	Upper Fields Support Building	AUX	2014	2,467	\$8,132,262	\$10	0.00	Excellent
52	VAR	Varner Hall	AD	1970	119,939	\$38,571,463	\$14,185,250	0.37	Below Average
53	VBH	Vandenberg Hall	HS	1967	178,321	\$44,814,884	\$12,365,948	0.28	Below Average
54	VWH	Van Wagner House	HS	1965	43,305	\$10,883,231	\$6,325,359	0.58	Poor Condition
55	WH	Wilson Hall and Meadow Brook Theatre	AD	1967	98,153	\$38,844,459	\$19,737,456	0.51	Poor Condition

<b>Grand Totals:</b>					<b>3,892,522</b>	<b>\$1,126,283,435</b>	<b>\$216,131,335</b>	<b>0.19</b>	<b>Fair Condition</b>
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NOTE: FRC exclude furnishing and furniture cost.

\* Historical Buildings

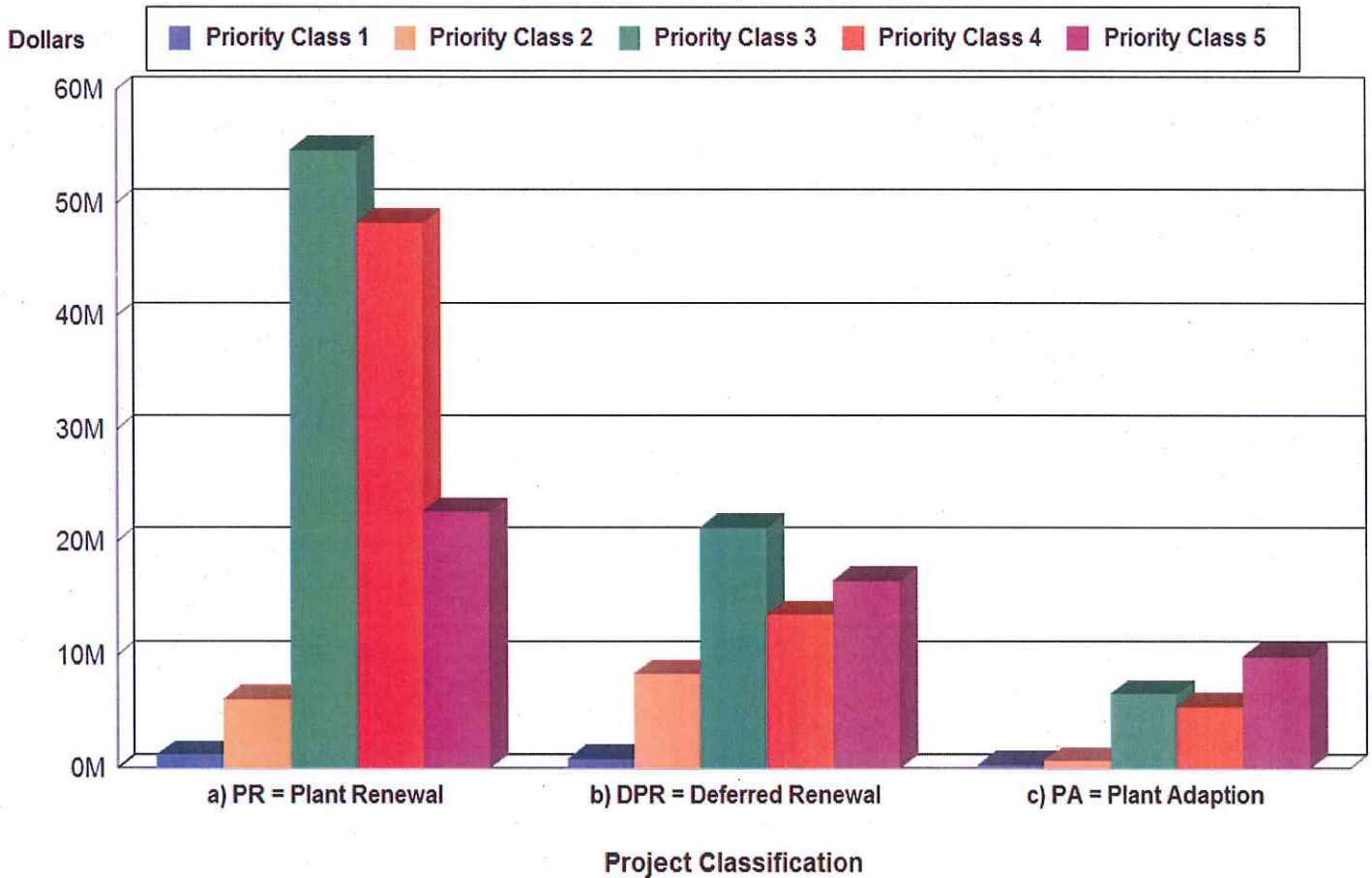
Total Cost Per Square Foot for all Campus Physical Assets	<b>\$289.35</b>
-----------------------------------------------------------	-----------------

Total Cost Per Square Foot for all Campus Projects	<b>55.52</b>
----------------------------------------------------	--------------

Individual Building FCNI Range	Condition Description
0.01 – 0.05	Excellent condition, typically new construction
0.06 – 0.15	Good condition, renovations occur on schedule
0.16 – 0.30	Fair condition, in need of normal renovation
0.31 – 0.40	Below average condition, major renovation required
0.41 – 0.59	Poor condition, gut / renovation indicated
0.60 and above	Complete facility replacement indicated

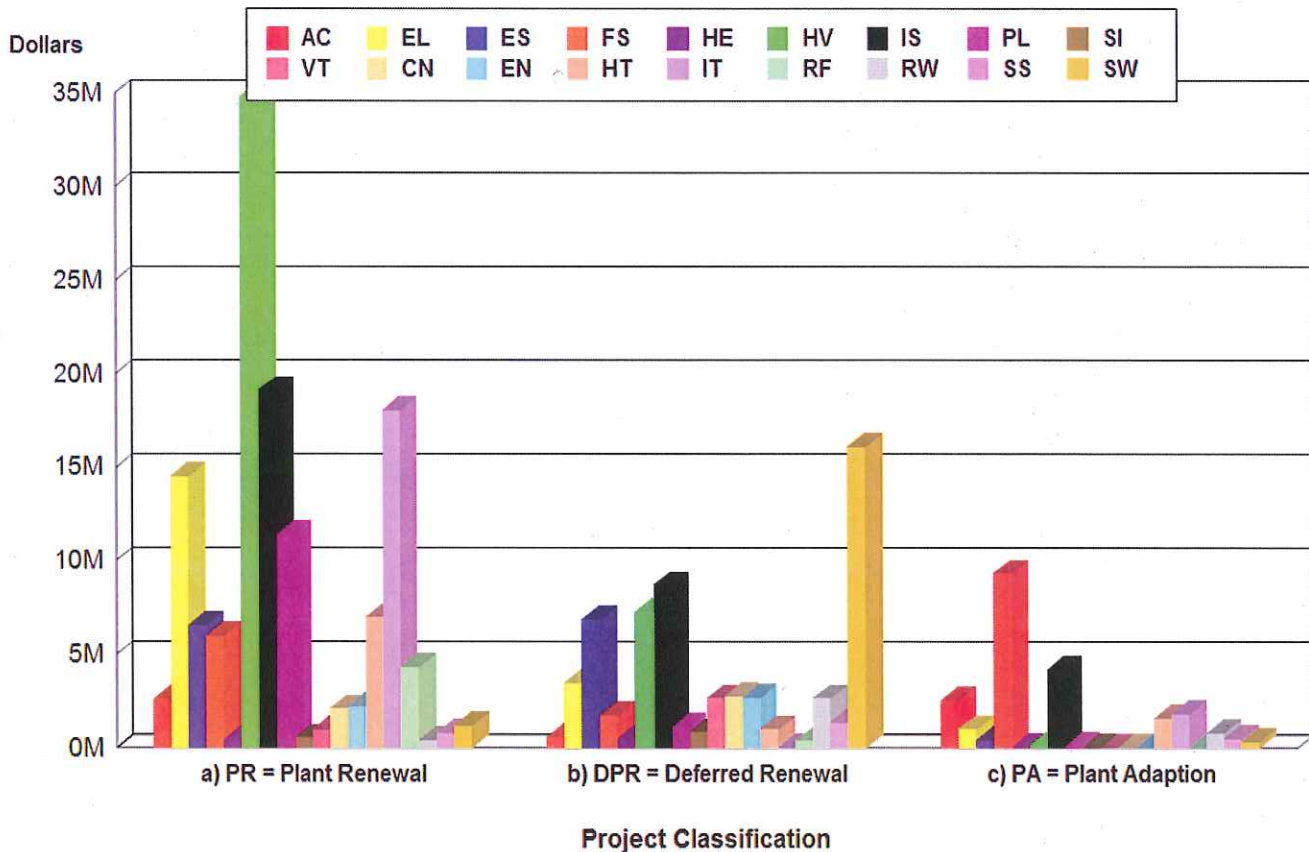
**Detailed Project Summary  
Facility Condition Analysis  
Project Class By Priority Class**

Project Class	Priority Class					Subtotal
	1	2	3	4	5	
a) PR = Plant Renewal	\$ 1,159,652	\$ 6,110,007	\$ 54,667,703	\$ 48,251,904	\$ 22,681,651	\$ 132,870,917
b) DPR = Deferred Renewal	\$ 859,789	\$ 8,294,097	\$ 21,296,149	\$ 13,517,739	\$ 16,559,994	\$ 60,527,767
c) PA = Plant Adaption	\$ 262,600	\$ 625,793	\$ 6,561,031	\$ 5,427,339	\$ 9,855,888	\$ 22,732,652
<b>TOTALS</b>	<b>\$ 2,282,040</b>	<b>\$ 15,029,899</b>	<b>\$ 82,524,887</b>	<b>\$ 67,196,985</b>	<b>\$ 49,097,538</b>	<b>\$ 216,131,336</b>



Detailed Project Totals  
Facility Condition Assessment  
System Code by Project Class  
All Buildings

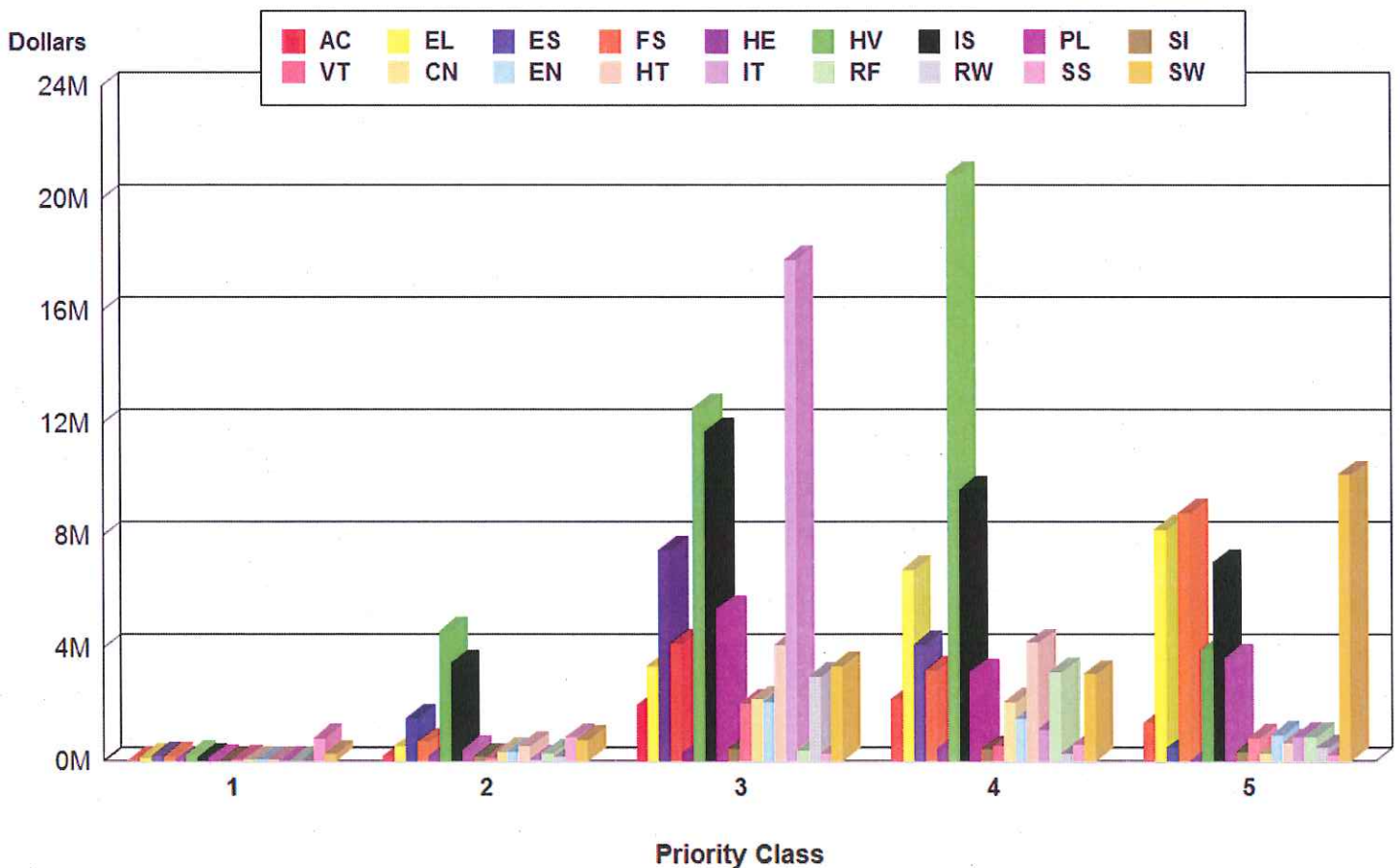
System Code	System Description	Project Classes			Subtotal	%
		PR= Plant Renewal	DPR = Deferred Renewal	PA = Plant Adaption		
AC	ACCESSIBILITY	\$2,632,908	\$557,429	\$2,507,144	\$5,697,480	2.64%
CN	CONTROLS	\$2,101,523	\$2,754,563	\$31,200	\$4,887,286	2.26%
EL	ELECTRICAL	\$14,530,130	\$3,462,488	\$1,010,711	\$19,003,329	8.79%
EN	ENERGY	\$2,194,185	\$2,672,172	\$0	\$4,866,357	2.25%
ES	EXTERIOR	\$6,517,720	\$6,812,370	\$420,405	\$13,750,495	6.36%
FS	FIRE/LIFE SAFETY	\$5,948,429	\$1,758,310	\$9,311,712	\$17,018,452	7.87%
HE	HEALTH	\$439,133	\$504,017	\$10,232	\$953,382	0.44%
HT	HIGH TEMP/HEAT WATER	\$6,955,665	\$1,003,595	\$1,594,849	\$9,554,109	4.42%
HV	HVAC	\$34,773,319	\$7,253,454	\$139,190	\$42,165,963	19.51%
IS	INTERIOR/FINISH SYS.	\$19,094,040	\$8,668,376	\$4,151,163	\$31,913,579	14.77%
IT	INFORMATION TECHNOLOGY	\$18,046,714	\$22,584	\$1,807,433	\$19,876,730	9.20%
PL	PLUMBING	\$11,404,051	\$1,099,487	\$109,042	\$12,612,580	5.84%
RF	ROOFING	\$4,319,637	\$376,476	\$0	\$4,696,113	2.17%
RW	ROAD/WALKS/PARKING LOT	\$430,130	\$2,651,317	\$787,800	\$3,869,247	1.79%
SI	SITE	\$527,768	\$833,837	\$0	\$1,361,604	0.63%
SS	SECURITY SYSTEMS	\$799,966	\$1,374,355	\$505,000	\$2,679,321	1.24%
SW	STORM WATER	\$1,211,184	\$16,084,842	\$340,297	\$17,636,322	8.16%
VT	VERT. TRANSPORTATION	\$944,415	\$2,638,098	\$6,475	\$3,588,988	1.66%
<b>TOTALS</b>		<b>\$132,870,917</b>	<b>\$60,527,767</b>	<b>\$22,732,652</b>	<b>\$216,131,336</b>	<b>100.00%</b>





Detailed Project Totals  
 Facility Condition Assessment  
 System Code by Priority Class  
 All Buildings

System Code	System Description	Priority Classes					Subtotal
		1	2	3	4	5	
		FY 2017	FY 2018	FY 2019-2022	FY 2023-2026	FY 2027+	
AC	ACCESSIBILITY	\$ 31,242	\$ 166,916	\$ 1,966,975	\$ 2,174,353	\$ 1,357,993	\$ 5,697,480
CN	CONTROLS	\$ 49,221	\$ 316,491	\$ 2,167,177	\$ 2,097,123	\$ 257,274	\$ 4,887,286
EL	ELECTRICAL	\$ 105,576	\$ 517,550	\$ 3,363,910	\$ 6,801,595	\$ 8,214,697	\$ 19,003,329
EN	ENERGY	\$ 35,926	\$ 327,644	\$ 2,098,320	\$ 1,471,960	\$ 932,507	\$ 4,866,357
ES	EXTERIOR	\$ 188,088	\$ 1,508,729	\$ 7,468,284	\$ 4,112,934	\$ 472,461	\$ 13,750,495
FS	FIRE/LIFE SAFETY	\$ 178,837	\$ 677,820	\$ 4,162,005	\$ 3,194,887	\$ 8,804,903	\$ 17,018,452
HE	HEALTH	\$ 49,160	\$ 158,654	\$ 291,743	\$ 421,221	\$ 32,604	\$ 953,382
HT	HIGH TEMP/HEAT WATER	\$ 37,942	\$ 544,535	\$ 4,108,659	\$ 4,192,642	\$ 670,330	\$ 9,554,109
HV	HVAC	\$ 231,779	\$ 4,590,680	\$ 12,548,411	\$ 20,831,674	\$ 3,963,419	\$ 42,165,963
IS	INTERIOR/FINISH SYS.	\$ 118,795	\$ 3,460,571	\$ 11,694,724	\$ 9,615,495	\$ 7,023,994	\$ 31,913,579
IT	INFORMATION TECHNOLOGY	\$ -	\$ 72,787	\$ 17,819,318	\$ 1,116,358	\$ 868,267	\$ 19,876,730
PL	PLUMBING	\$ 92,359	\$ 396,682	\$ 5,367,972	\$ 3,128,576	\$ 3,626,991	\$ 12,612,580
RF	ROOFING	\$ 12,974	\$ 277,302	\$ 378,938	\$ 3,141,981	\$ 884,918	\$ 4,696,113
RW	ROAD/WALKS/PARKING LOT	\$ -	\$ 149,343	\$ 2,992,408	\$ 262,895	\$ 464,600	\$ 3,869,247
SI	SITE	\$ 32,322	\$ 148,226	\$ 426,649	\$ 413,788	\$ 340,619	\$ 1,361,604
SS	SECURITY SYSTEMS	\$ 799,966	\$ 837,338	\$ 260,883	\$ 574,286	\$ 206,848	\$ 2,679,321
SW	STORM WATER	\$ 262,600	\$ 752,258	\$ 3,366,677	\$ 3,081,464	\$ 10,173,323	\$ 17,636,322
VT	VERT. TRANSPORTATION	\$ 55,254	\$ 126,371	\$ 2,041,832	\$ 563,748	\$ 801,783	\$ 3,588,988
<b>TOTALS</b>		<b>\$ 2,282,040</b>	<b>\$ 15,029,897</b>	<b>\$ 82,524,884</b>	<b>\$ 67,196,981</b>	<b>\$ 49,097,533</b>	<b>\$ 216,131,336</b>



## **Implementation Plan**

### **State Funding Request**

In the future, as additional state projects are considered, Oakland University has need for the following based on program growth, opportunity and State needs:

#### **South Foundation Hall Expansion**

Consistent with Oakland University's strategic goal of fostering student success through a robust teaching and learning environment and comprehensive student services, Oakland University is submitting the South Foundation Hall Expansion as its highest priority State Capital Outlay Request. This building will be designed to provide state-of-the-art instructional facilities for the College of Arts and Sciences and general academic community. The facility will house mediated classrooms, research and computer labs, and faculty and administrative offices. The project will encompass primarily new stand-alone construction adjacent to South Foundation Hall, one of Oakland's most heavily utilized general purpose classroom buildings. This configuration will allow for the "right-sizing" of existing classrooms in South Foundation Hall and will include connections to the new facility at each floor level along with a renovated and contiguous ground floor. The proposed 78,000 gsf classroom building will address the current severe classroom shortage and allow for smaller class sizes resulting in an improved learning environment for faculty and students.

### **University Funded Priorities**

#### **Meadowbrook Road Culvert (funded and complete)**

Replacement of a failed 10' x 10' regional drainage culvert and associated roadway (Meadowbrook Road) and bridge. Includes the relocation and upgrade of the streambed on each end of the 250 foot long culvert.

#### **North Foundation Hall data center renovation (funded and complete)**

The renovation of, and upgrade to, the IT data center in North Foundation Hall will provide improved network efficiency and critical system redundancy.

#### **Combined Heating and Power Co-Generation Plant (funded via a public private partnership)**

Construction started in May, 2015 and is now operational. The project is completed and is expected to reduce Oakland's energy costs, improve efficiency and power reliability, reduce CO2 emissions, and provide education opportunities for students.

#### **Security Enhancements - Campus (funded and complete)**

Various campus wide security enhancements including upgrades to the Blue Phone emergency phone system, C-Pass card access system, and greatly expands the internal and external security camera coverage on campus.

### Historic Barn Restoration (funded and complete)

The preservation and restoration of an historic barn on Oakland's Meadowbrook Estate contributes to the unique historical fabric of the University.

### Athletic Facility Renovations (funded and complete)

Various upgrades within the O'Rena, including technology upgrades to the multimedia score board, sound system, and lighting systems, as well as the installation of a new competition playing surface.

### Athletic Basketball Practice and Administrative Suite Renovation

The renovation and repurposing of the former recreational pool facility into a basketball practice facility, and the renovation of the coaches and administration suite. Funded through design only.

### Elliott School of Business Administration Expansion and Renovation

The expansion and renovation of the School of Business Administration Building will double the square footage of the current facility (Elliott Hall). Funded through design only.

### Undergraduate Student Housing (funded)

The Southern Campus Housing Project construction is underway. The project consists of 750 additional beds, a new dining facility and classrooms to support the growing demand for on campus student housing. Expanding housing is in keeping with the campus master plan goal of over 4,000 residential students.

### Oakland Center Expansion (funded)

Expansion of the Oakland Center to accommodate additional dining facilities, student study areas, conference rooms, and other needed upgrades.

### Galloway Creek Ecosystem Restoration Project (externally funded)

Improvements to the regional drainage system, which traverses Oakland University's campus.

### Anibal House/Fitzgerald House Renovation (funded)

Convert outdated housing facilities into administrative space to support student success. Further infrastructure improvements include replacement of the plumbing systems in Hamlin Hall North (under construction), and the replacement of the pedestrian bridge at Hanna Hall (complete and operational).

### **Future Projects Under Consideration**

The recently completed Comprehensive Campus Master Plan has identified short, midterm and long range opportunities for internal initiatives as well as external development opportunities. These include additional student housing, classroom and administrative facilities, athletics and recreation facilities, and performing arts center, among others.

### **Plant Renewal / Deferred Plant Renewal**

As previously noted, Plant Renewal and Deferred Plant Renewal projects total \$193 million of the \$216 million Facility Condition Analysis. The current average annual investment into deferred plant renewal and plant renewal is approximately \$2.0 million from General Fund budgets and maintenance endowments; approximately \$3.5 million from Auxiliaries Maintenance Reserves; and \$0.9 million from University Technology Services budgets.

FISCAL YEAR 2018

CAPITAL OUTLAY PROJECT REQUEST

Institution Name: Oakland University

Project Title: South Foundation Hall Expansion

Project Focus:  Academic  Research  Administrative/Support

Type of Project:  Renovation  Addition  New Construction

Program Focus of Occupants: \_\_\_\_\_

Approximate Square Footage: 78,000 gsf

Total Estimated Cost: \$40,000,000

Estimated Start/Completion Dates: Immediately, construction will start one year after funding approval.

Is the Five-Year Plan posted on the institution's public internet site?  Yes  No

Is the requested project the top priority in the Five-Year Capital Outlay Plan?  Yes  No

Is the requested project focused on a single, stand-alone facility?  Yes  No

**Describe the project purpose.**

The proposed South Foundation Hall Expansion will provide state-of-the-art instructional and advising space for Oakland University's College of Arts and Sciences. The expanded building will directly address needs in technology and collaborative learning spaces at the core of twenty-first century teaching and academic programs, and that do not exist in the current facilities.

Oakland University is undergoing significant enrollment growth and is targeting an 11% increase in on campus enrollment by 2025, with growth in all disciplines. Recent projects have addressed highly specialized, lab-focused buildings, including the engineering building and science complex. General classroom space is in need of a similar transformation to meet the needs of a growing enrollment, new approaches to learning and rapidly changing technology, especially in support of the College of Arts and Sciences, with the highest enrollment at Oakland University.

To address current and projected academic space shortage as well as to modernize the University's oldest classrooms spaces, this project proposes to renovate and expand the 59-year-old South Foundation Hall, transforming it from a traditional tablet-arm chair classroom building into a multi-disciplinary active learning environment with a variety of sizes and layouts for both undergraduate and

graduate use. Both classroom flexibility and seating capacity in the new combined building will increase, with an additional 675 student stations, a 37% increase from the current South Foundation Hall.

The on-campus functions of the College of Arts and Sciences are dispersed over nearly every building on campus, challenging collaboration between disciplines and hindering easy access to academic and administrative support for undergraduate and graduate students. For example, the Department of Writing and Rhetoric provides freshman composition courses for all students in the University – a central location with access to faculty, academic support and instructional space provides students with a “one-stop” opportunity for in and out of class consultation.

The expanded South Foundation Hall (SFH) will define state-of-the-art standards for educational systems for the University, concentrating on the concept of learning communities (interdisciplinary freshman learning communities help build a sense of “belonging” which relates to persistence and graduation among all demographic groups) and the centrality of student-related functions. The location of SFH at the core of the campus provides a unique opportunity to create communities that would serve all students, regardless of major.

Academic goals that will be achieved through the implementation of this project are:

- **Increased emphasis on hands-on learning:** The design of the classrooms moves away from the traditional “lecture hall” toward active learning environments in which faculty guide discovery-based learning and students work in collaboration with one another (experience working in teams is another key variable identified by CEOs looking for new employees). Research demonstrates both increased learning and increased student satisfaction with these learning environments. These learning environments prepare students to contribute to an increasingly collaboration-based economy. In addition, moving away from students as passive recipients of lectures helps maximize the return received from the two points below, “increased emphasis on informal and peer learning” and “student organizations as a learning channel.” The classroom configurations create the expectation that student learning occurs in a variety of ways and a variety of settings.
- **Increased emphasis on informal and peer learning:** “Learning beyond the classroom” is a key focus for the College of Arts and Sciences (including the Dean’s Choice Award, funded by the OU Credit Union). Informal learning, whether from peers or faculty outside traditional classroom settings helps extend the knowledge transmitted in the classroom. Current academic space occupied by the College contains no such informal space, resulting in both missed learning opportunities and a lack of connection between students (who are overwhelmingly commuters) and our campus community.
- **Enabling student organizations as a learning channel:** A Center for Student Academic-Student Organizations will be based on the voluminous research showing that an engaged student is more likely to persist and graduate in a timely fashion. Our current available space does not allow for this activity. The proposed location of this Center will allow for interdisciplinary collaboration (as problems generally have interdisciplinary components, rather than being “owned” by a single academic department); in addition, the location allows for alignment with both Career Services and Community Connections (each of which prepares students to complete degrees and prepares them for life and work in community).

The proposed South Foundation Hall expansion and renovation will provide:

- **New and updated technology-enabled active learning space.** The shortage of this type of classroom space is a campus-wide issue. These much-needed spaces will support all programs and be capable of adapting to different teaching approaches.
- **A comprehensive College of Arts and Sciences Advising Center,** bringing from across campus the functions of individual and group advising in STEM disciplines as well as social sciences, humanities, and the arts into an interdisciplinary, learner-focused center for academic support and advising.
- **An inviting, easily navigable center for academic and administrative functions** for the College of Arts and Sciences, bringing multiple faculty, staff and leadership together in a single location for the first time, benefitting students with improved access. In addition to the Advising Center, groups proposed to be relocated include the:
  - Department of Writing and Rhetoric
  - Department of Linguistics
  - College of Arts and Sciences Dean's Office
  - Public Policy Center

### **Describe the scope of the project.**

This project is comprised of a renovation of South Foundation Hall, originally built as a general classroom building in 1958, as well as a significant addition. Additional space is crucial to address the current severe space shortages as well as to sustain the desired growth in enrollment and student retention across the College of Arts and Sciences, which produces over 60% of the University's student credit hours.

**Renovation:** The renovation includes complete architectural and infrastructure transformation of the 48,600 square foot South Foundation Hall. Academic space improvements include transformation of existing classrooms to shift from tablet-arm lecture rooms to active-learning classrooms through updates of furniture, finishes and technology, improving utilization and flexibility. Infrastructure improvements include replacing original and obsolete building systems including HVAC, electrical, lighting and plumbing to improve the learning environment, air quality, energy efficiency and system reliability. Building accessibility and exterior envelope will also be addressed to ensure the building meets current standards and will function well into the 21st century.

**Addition:** The proposed 78,000 square feet addition will provide a variety of technology-enabled learning environments, including larger format active-learning classrooms and seminar rooms; student support services, collaboration and project space; workspace for both full-time and adjunct faculty; and to connect students to the community, public policy leadership and employers. The addition will also improve the energy efficiency of South Foundation Hall and mitigate space and height limitations of this 59-year-old existing building.

Proposed major spaces include the following. In addition to a large collaboration space, multiple smaller spaces are proposed throughout building.

<u>Space</u>	<u>Capacity</u>	<u>Quantity</u>
Breakout/Seminar Rooms	20	6
Classrooms	32-40	20
Medium Classrooms	40-50	3
Large Classrooms	80	2
Active-Learning Arena Classroom	150	2
Small Instructional Lab	20	1
Medium Instructional Lab	40	1
Large Instructional Lab	60	1
Student Collaboration/ Academic Support	300	multiple
Research Centers	varies	multiple
Faculty Workspace	70	multiple

**Program focus of occupants:**

**College of Arts and Sciences Advising Center:** The Arts and Sciences Advising Center provides academic advising to more students than any other comparable office on campus. Like the Dean’s Office, they do not have sufficient space to provide this critical service to our majors. The availability of and access to active-learning rooms and other meeting space would enhance their ability to provide a wider array of programs to students seeking their assistance.

**Department of Writing and Rhetoric:** The Department of Writing and Rhetoric addresses the evolving nature of the rhetorical skills, processes, and information literacies necessary for writing and composing persuasion and other forms of written communication in the 21st century. This is not your standard “freshman composition” department. The writing and rhetoric major is designed with an emphasis on digital media technologies and civic engagement. Through course work and internship opportunities, the Bachelor of Arts degree in Writing and Rhetoric prepares students for work as professional writers, editors, digital media composers, social media coordinators, and educators in a variety of public, private and educational settings. Undergraduates pursuing professional degrees in business, engineering, health sciences, and human resource development may benefit from a dual major in Writing and Rhetoric that is focused on Professional Writing if they want to possess the communication skills that are integral to these diverse careers.

**Department of Linguistics:** The Linguistics Department offers programs leading to Bachelor of Arts and Master of Arts degrees in linguistics. A background in linguistics prepares individuals for a wide variety of careers. Linguists work on projects related to speech recognition, natural language processing, and information retrieval, even though these domains are more commonly associated with engineering or computer science programs.

**College of Arts and Sciences Dean’s Office:** The College of Arts and Sciences Dean’s Office includes workspace for eleven professionals who administer the largest academic unit at Oakland University, giving students access to more than 100 majors and a range of academic concentrations and interdisciplinary programs. Our current space is insufficient to provide space to other critical staff members who are housed at other locations across campus.



**Public Policy Center:** A public policy center at Oakland University will focus on issues related to the creation and implementation of public policy statewide, and specifically in Southeast Michigan. This squarely aligns with the University's mission statement, strategic plan and all three of the plan's goals. Such a center touches student success, being recognized as having a strong research and scholarly environment, and being a leader in engaging the community. The primary component of the Center's mission is to promote, support and generate research related to public policy and impact the conversation around an array of public policy issues in Michigan. Given the nature of public policy issues, a host of civic, nonprofit, and public organizations interested in public policy issues in Southeastern Michigan and across the state are likely external collaborators. Creating a two-way collaboration and conversation between policy experts on and off campus is central to the work of a policy center. In short, a public policy center will position Oakland University to act as a "convener of conversations" on all types of public policy issues that have an impact the local, state, and federal levels. By its nature public policy is interdisciplinary, using expertise from many fields to analyze a complex problem. A rigorous approach to solving multifaceted problems, which many policy-related questions are, requires interdisciplinary expertise. An important and driving focus of the Center would be to provide and disseminate objective research and analysis on public policies impacting Southeastern Michigan and the state to aid in informed decision-making. In order to accomplish these (and many other) goals, space is needed for (among other things) bringing community members to campus for meetings and presentations, collaborative work among students (including a computer lab), conference rooms, and six offices. The Center also provides information and services which strengthens communities and provides students with rich learning opportunities which prepares them to be active contributors to a vibrant Michigan economy. A few examples of the recent activities illustrate the activities relevant to the Center:

- Congressman Mike Rogers Papers (OU Kresge Library is the home of this collection)
- State higher education policy discussion "Getting to Work: Career navigation and college affordability" partner with the Center for Michigan
- "Ukraine in Crisis" panel discussion
- A total of 7 "Campaign Roundup" post-election discussions in recent years.
- Hosted the GOP presidential debate in 2011

**1. How does the project enhance Michigan's job creation, talent enhancement and economic growth initiatives on a local, regional and/or statewide basis?**

Oakland University is the only comprehensive, doctoral-level university located in Oakland County, Michigan. Recognized as a Doctoral University with research in the R3 classification by the Carnegie Foundation, the University offers students opportunities to work directly on research with expert faculty. Through a multitude of partnerships with hospitals, Fortune 500 companies, individuals, cities, government agencies and educational institutions, Oakland helps communities solve problems and build thriving, sustainable businesses. These associations reward students with internship and co-op opportunities and provide University researchers access to the latest technology tools. Oakland's leadership with these partnerships also significantly impacts economic development and commercialization opportunities.

Three recent surveys of employers conducted for the American Association of Colleges and Universities by Hart Research Associates (2007, 2010, 2013) provided findings relevant to this question. Results from CEO surveys have been very consistent in strong and weak economic times. Employers say that they are looking for employees who have a broad range of skills and knowledge—especially those involving written and oral communication—and in-depth skills and knowledge in a specific field or major. The South Foundation Expansion project provides Oakland with an opportunity to do both. Through General Education courses—such as composition courses offered by the Department of Writing and Rhetoric, which are required of first year students, whether in STEM disciplines or in other areas-- the College provides students of all majors with the “broad range of skills” that employers are seeking. Regardless of major, survey results indicate that employers are seeking employees who have skills in written communication. This project, therefore, provides the venue that will enhance talent development and produce graduates armed with the tools that employers—across high demand fields-- are seeking.

The South Foundation Hall expansion will provide active learning workspaces that will facilitate ongoing community engagement projects such as our long-term relationship with organizations such as Hispanic Outreach, a variety of civic engagement projects supervised by faculty in Writing and Rhetoric and Graphic Design. Having active learning spaces near the primary entrance to the institution will enhance our ability to interact with our neighbors if only by bringing to an end the practice of finding any meeting space that might be available on campus.

## **2. How does the project enhance the core academic and/or research mission of the institution?**

The Oakland University Strategic Plan identifies three Strategic Goals. These goals are used as the foundation for the development of the South Foundation Expansion project.

Goal #1: Foster student success through a robust teaching and learning environment and comprehensive student services.

Goal #2: Be recognized as a strong research and scholarly environment focused on creative endeavors and on the discovery, dissemination and utilization of knowledge.

Goal #3: Become a leader in serving the needs and aspirations of our communities and region through expanded community relationships, institutional reputation and visibility, and engagement.

The University's three goals developed during several months of planning work are a concise expression of our institutional aspirations. Thus, it is important to recognize that student success is meant to encompass the full range of student experiences and opportunities while at the university. We also recognize that an intrinsic part of achieving these goals must include ensuring the university's excellence and the attainment of its mission through effective institutional processes, shared decision-making and transparent best practices.

The College of Arts & Sciences, the largest School at Oakland University, serves all undergraduates through General Education and major prerequisites in other Schools on campus—at least 38%, and as high as 60% of the credits completed by majors in other Schools are earned in the College. The Writing and Rhetoric department within the College Rhetoric taught approximately 6,500 students, providing roughly 25,000 credit hours within the 2015-16 academic year.

The College Advising Center provides approximately 8,000 student service contacts, within a typical academic year. The majority of these students are studying a STEM discipline. The Advising Center's current location in Varner Hall limits the options for expansion—the current student to advisor ratio is 778:1; national averages are 300:1. Clearly, this is a critical issue that limits the availability of advisors to students, an issue which has serious impact on retention and persistence to graduation.

Most importantly, relocating Writing and Rhetoric department and the College Advising Center in the new South Foundation Hall expansion facilitates an integrated approach to student assessment academic support.

**3. Is the requested project focused on a single, stand-alone facility? In no, please explain.**

This project will be a single, stand-alone facility comprised of an addition to and renovation of the oldest academic building on campus.

**4. How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?**

This project will reinvest in the oldest facility on campus by upgrading furniture, finishes, technology, accessibility and building infrastructure, including HVAC, electrical and plumbing. Its location near the main campus entry, ample parking and the student center is ideal for both student and public access. Available adjacent land with minimal underground utilities will reduce the cost of the addition.

Planned exterior envelope repairs, including brick and windows, will resolve age-related issues. The adjoining addition will improve energy efficiency by reducing the amount of uninsulated exterior wall exposed to the elements.

Interior wall relocations will be minimal, taking advantage of the existing classroom layout by converting tablet-arm lecture classrooms into flexible, technology-enhanced active learning environments.

In addition, this project will allow the University to invest in updates to both O'Dowd Hall and Varner Hall, which are at capacity. The move of the College Advising Center and Dean's office will allow the addition of two classrooms and 10 offices. Space vacated by the move of Writing and Rhetoric will allow other academic units, including the Oakland University William Beaumont School of Medicine, to house additional (and much needed faculty). Space vacated by the relocation of the Department of Linguistics and the Department of Writing and Rhetoric will allow for a cost-effective, much needed expansion of the Oakland University William Beaumont School of Medicine, the School of Health Sciences and the School of Nursing.

**5. Does the project address or mitigate any current health/safety deficiencies relative to existing facilities? If yes, please explain.**

South Foundation Hall meets all applicable codes for existing buildings and has no known health of safety deficiencies. Because of the extent of the proposed renovations, the University will update the entire facility to meet current requirements for life safety, fire, accessibility and indoor environment.

**6. How does the institution measure utilization of its existing facilities, and how does it compare relative to established benchmarks for educational facilities? How does the project help to improve the utilization of existing space and infrastructure, or conversely how does current utilization support the need for additional space and infrastructure?**

For the recently approved Oakland University Campus Master Plan, which can be viewed at <https://www.oakland.edu/facilities/campus-master-plan>, classrooms and class laboratories were studied to show the level of use. The factors illustrated in the utilization study included the average hours per week of scheduled instructional use for each room, the average hours of scheduled use for each student seat, the percentage of student stations or seats filled when the rooms are scheduled, and the average square feet allocated to the student stations in the rooms. The 124 classrooms that were analyzed averaged 47 hours of scheduled use per week, with 53% of the student stations filled when classrooms were in use. The classrooms average 18 assignable square feet (ASF) per student station. The average for weekly seat hours of use was 24.4 hours.

Benchmark data averaging the utilization finding from over a dozen public universities for which the consultant has previously done studies showed the average scheduled hours per week to average 29 weekly room hours (WRH). The average for weekly seat hours is 16.7 weekly seat hours. The benchmark average for percentage of seats occupied is 63%. The average of the benchmarked universities for classrooms is 20 ASF per student station. The expectation for average weekly room hours for similar institutions is in the range of 30 to 35 hours per week. The expectation for weekly seat hours is between 20 and 24. A common expected average for the percentage of seats filled is 65% to 70%. The expected average size of the student stations in classrooms is 18 to 22 ASF.

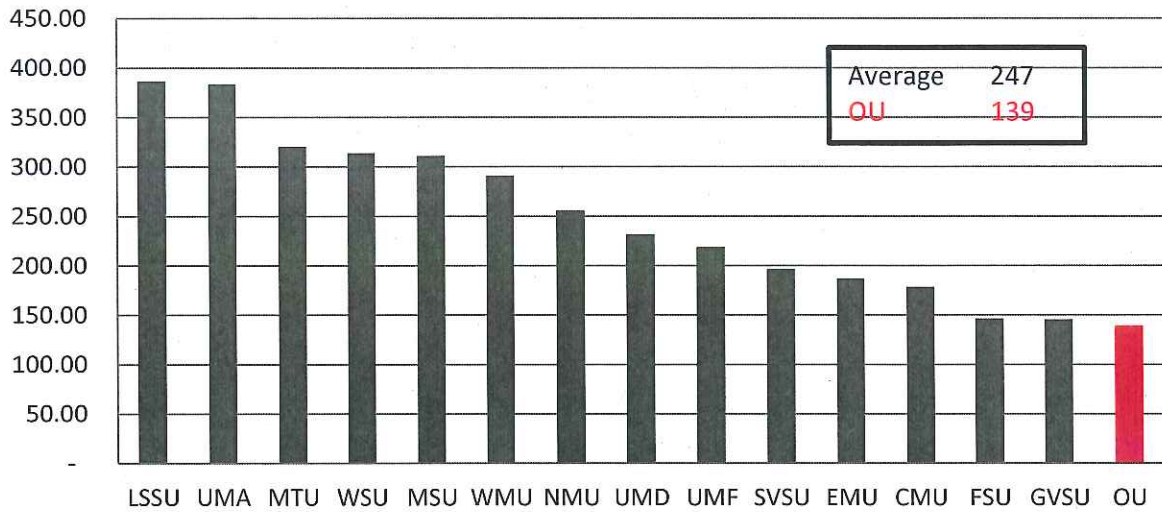
These findings show that both the average room hours per week of scheduled use for classrooms and the average weekly seat hours at Oakland University is considerably above the benchmarked average. Thus, the need for this 78,000 square foot addition which will house 36 new classrooms and class laboratories.

Without the additional space provided by this project, the College of Arts and Science, and the University as a whole, will be challenged to meet anticipated enrollment growth. Oakland has a significant shortage of full time and part time faculty offices and instructional areas. Compared to other similar universities and based on the space needs calculations, the University has a long term need for a significant increase of assignable square footage. This project will help relieve that shortage.

The following chart compares the area per student for General Fund buildings at all state universities (source FY2015 HEIDI data). At 139 square feet per FYES, Oakland University has the lowest value in the state.

## FY2015 General Fund Building Sq. Ft. per FYES

Source: HEIDI



### 7. How does the institution intend to integrate sustainable design principles to enhance the efficiency and operations of the facility?

- Implement innovative energy reduction strategies such as the Human Health Building, first LEED Platinum higher education building in Michigan, and the Engineering Center, LEED Gold.
- As mandated by the OU Board of Trustees, achieve at least the USGBC LEED requirements of Gold certification for new construction.
- Replace older building equipment and systems, some dating from the 1950s. Upgrades will include high-efficiency HVAC, lighting and plumbing systems, reducing the load on the older campus-wide heating and cooling infrastructure.
- Update to University-standard occupancy-based controls to reduce heating, cooling, ventilation and lighting needs on a room-by-room level.
- Design the envelope of the addition to minimize energy use and take advantage of passive energy reduction strategies.
- Exploit energy savings from newly installed co-generation system installed at the central heat plant. The co-generation system is currently saving the University \$1,000,000 annually.

- 8. Are match resources currently available for the project? If yes, what is the source of the match resources? If no, identify the intended source and the estimated timeline for securing said resources?**

No, however, if this project receives State funding approval, plans are in place to immediately begin soliciting private support for the required matching funds, and, if necessary, bonds will be issued to supplement the private support.

- 9. If authorized for construction, the state typically provides a maximum of 75% of the total cost for university projects and 50% of the total cost for community college projects. Does the institution intend to commit additional resources that would reduce the state share from the amounts indicated? If so, by what amount?**

The total cost for this project is \$40,000,000. Oakland University is prepared to contribute 25% of the total, or \$10,000,000 to this project. The resulting state share of \$30,000,000 will therefore be 75% of the total cost.

In addition to the University share listed above, OU is planning to invest \$500,000 toward campus infrastructure improvements that will directly support this project as part of the overall campus master plan.

**10. Will the completed project increase operating costs to the institution? If yes, please provide an estimated cost (annually, and over a five-year period) and indicate whether the institution has identified available funds to support the additional cost.**

Significant campus infrastructure improvements and upgrades to South Foundation Hall are expected to reduce operating costs. Based on collected and projected data, the utility costs will lower from \$2.55 per square foot to \$1.73 per square foot (see chart below) for South Foundation Hall. Meanwhile, upgrades to the existing mechanical systems will resolve deferred maintenance concerns for equipment dating nearly 50 years old.

South Foundation Hall	55,041 SF		55,041 SF		
	Current	Current	Future	Future	
	\$ per SF	Amount	\$ per SF	Amount	Savings
Electric	\$1.44	\$79,038	\$1.00	\$55,041	\$23,997
HTHW	\$0.75	\$41,215	\$0.40	\$22,016	\$19,199
Water	\$0.37	\$20,365	\$0.33	\$18,164	\$2,202
<b>Total</b>	<b>\$2.55</b>	<b>\$140,618</b>	<b>\$1.73</b>	<b>\$95,221</b>	<b>\$45,397</b>

Overall operating costs will increase due to an increased building area. Operating costs will be funded by a combination of campus wide cost containment initiatives, and reallocation of existing budgetary resources.

**Project Annual and 5 Year Operating Budget (78,000 sf)**

	\$ /sf	
Plant Engineering	0.04	\$3,120
Custodial Cleaning	1.40	\$109,200
Bldgs. & Grounds	1.00	\$78,000
Plant Maintenance	0.21	\$16,380
FM Admin.	0.02	\$1,560
Skilled Trades (persons)	2	\$195,000
Purchase Utilities	2.33	\$181,740
Security		\$25,000
Insurance		\$20,000
Annual Service Contacts		\$100,000
<b>Year 1 Total</b>		<b>\$730,000</b>
Year 2 (2% increase)		\$744,600
Year 3 (2% increase)		\$759,492
Year 4 (3% increase)		\$782,277
Year 5 (3% increase)		\$805,745
<b>Total for 5 Years</b>		<b>\$3,822,114</b>



**11. What impact, if any will the project have on tuition costs?**

This project would NOT cause tuition increases.

**12. If this project is not authorized, what are the impacts to the institution and its students?**

The consequences related to not providing this facility for Oakland University students relate to a diminished quantity and quality of instructional space. Current findings show a need for 41,000 ASF of classroom space and a projected future need of 54,000 ASF of classroom space. Despite good maintenance practices, the condition of South Foundation Hall would continue to deteriorate and require increased investment to resolve deferred maintenance with no improvement in academic spaces. Furthermore, the current facilities where the Writing and Rhetoric department and the College Advising Center currently reside are over 100% of capacity. Finally, without the authorization of this project, Oakland will be much less competitive in recruiting students, especially in the STEM disciplines.

**13. What alternatives to this project were considered? Why is the requested project preferable to those alternatives?**

Oakland University recently completed and approved a 10-year campus master plan to address growing enrollment, increasing on-campus residents, changing teaching and research needs and how the only public four year university in Oakland County would respond. The master plan evaluated ideal building locations and prioritized projects to meet critical needs.

The top priorities listed were to increase academic space on campus and to provide relevant 21st century learning environments. Several locations for this space were proposed, including the selected site. Subsequent to the master plan, several alternatives were evaluated and abandoned in favor of this proposed renovation/addition project.

A new facility, located at the northeast corner of campus was considered and rejected due to demolition costs, utility costs and remoteness from the majority of students. A new standalone facility adjacent to South Foundation Hall would have been compromised due to space limitations. An addition to Varner Hall, the largest classroom building on campus, was considered in the past, but was cost prohibitive at approximately three times the cost of this proposal.

This renovation/addition project is preferable for multiple reasons – building condition and classroom space being the two most important. South Foundation Hall is the original classroom building, designed for a different era and different academic needs. While improving academic program space, this project also resolves much needed building system upgrades and deferred maintenance. Regardless of any approach the University selects to meet academic space needs, the mission-critical South Foundation Hall will need renovation to remain functioning.

South Foundation Hall is centrally located near the library and student union, with ample parking and easy access for students, faculty and visitors. The campus master plan proposes to recast this part of campus as a more pedestrian-friendly, community focused space, increasing the importance of this building for both academics and community engagement.