Supplemental Information

Education and General (E&G) Reprioritization December 2012
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Project Name: Eastern Learning Commons Planning / Design Development
Institution: Eastern Oregon University

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - $ 2,000,000

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - $ -

Total Project Cost - $ 2,000,000

Contribution to 40-40-20 goals:

1. Serving students better:
    a. Improved pedagogy/student learning. Enriched student learning experience through expanded offerings and easier access to full degree programs.
    b. Enhanced access for students unable to matriculate at a physical campus.
    c. Improved class offerings for on campus students through the use of innovative technologies.
    d. Existing IT services are located in various sub-grade locations around campus, developed in an ad-hoc manner that creates inherent inefficiencies with higher risk of key area failure.

2. Serving more students:
    a. Eastern Learning commons will create a new technology hub that creates a complete learning centered environment.
    b. With distance learning classrooms and underlying technology a focus of the ELC, EOU has focused on improving and expanding its growing online degree program infrastructure.
    c. The technology hub will meet the University's need to replace end of life infrastructure and provide a fault tolerant, high capacity network. This will have a direct and profound impact on EOU's ability to expand its online enrollment.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment:
    a. Stabilizing and improving EOU's technology infrastructure will allow for increased curriculum and degree offerings for students in Eastern Oregon with limited access to Higher Ed resources.
    b. The ELC will be designed to take advantage of innovations in technology and increase individual access to degree programs that will increase earning potential

Project Name: Inlow Hall Renovation Phase II
Institution: Eastern Oregon University

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - $ 3,600,000

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - $ 400,000

Total Project Cost - $ 4,000,000

Contribution to 40-40-20 goals:

1. Serving students better
    a. Improved access to essential administrative services will increase recruiting and retention.

    b. Improved access to essential administrative services will improve career preparation and better understanding of financial needs and impacts including debt education, scholarship application and Federal Financial Aid.

2. Serving more students:
    a. Help maximize outreach to meet aggressive goals for degree issuance. As the center for administrative and enrollment services, improvements will directly impact these goals.

    b. Increase student access to essential administrative services such as academic advising, financial aid, admissions and student/academic affairs.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment
    a. Improve seismic safety for students, faculty, and staff.

    b. Improve energy efficiency and thermal comfort

    c. Preserve historic integrity of the building as a campus, local, state, and national asset.

Project Name: **Coronet Hall Renovation Study, Design and Planning (Engineering and Technology Laboratory Building Modernization)**
Institution: **Oregon Institute of Technology ("Oregon Tech")**

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$ 0**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - **$ 2,000,000**

Total Project Cost - **$ 2,000,000**

Contribution to 40-40-20 goals:

1. Serving more students:
    - Major Renovation (state of the art) of the Coronet Hall provides the opportunity to increase enrollment by attracting new students in Engineering and Technology majors including civil engineer; mechanical and manufacturing engineer and technology; electrical engineer and renewable energy engineering from 810 students to 1,025 students by fall 2020
    - Opportunities to enhance collaborations with other educational institutions such as high schools and community college.
    - Opportunities to involve more students in applied research activities.
    - Opportunities to address space needs deficits in Engineering and Information Technology programs that can no longer be met due to functional and infrastructure limitations.

2. Serving students better
    - Improved Pedagogy/student learning due to enhanced classrooms, lab, study areas and technology.
    - Expansion in high-demand degree programs that is critical to Oregon students, employers and companies, such as Renewable Energy Engineering, Manufacturing Engineering Technology, Mechanical Engineering and Civil Engineering.
    - Improved retention. Retain students with updated facilities/technology/support. Currently Coronet Hall only marginally meets the programmatic infrastructure and technology needs required of a hands-on experience.
    - Provide best value to students without excessive tuition increases
    - Diversification of student population- As the university's enrollment continues to grow at the Klamath Falls campus, it is necessary for the University to

accommodate students with diverse needs, including ADA access; support for Oregonian Veterans and non-traditional Oregonian students.

- Enhanced graduation rates.
- Well prepared for careers and employable in field of study.
- The style and configuration of the 1964 construction make bringing the facility to current instructional and operational standards a severe challenge for dedicated teaching labs and research space.
- Attract first-time freshman to exceed participation goals.
- Surpass targets for community college transfers.
- Overcome the Freshman Persistence challenges of our rural Oregon location.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment
    - Average graduates/year in engineering and technology at Klamath Falls campus ~ 390 90% (have jobs within 6 months) 351 ~$56,000/year (average salary) = $19,656,000 in annual taxable income. (based on survey results conducted by Oregon Tech Career Services)
    - ADA accessibility to comply with legal requirements as well as accommodations to make it easier to get across campuses and utilize Coronet Hall.
    - Modernization of a facility that will meet thermal energy compliance and be free of asbestos and other health-critical contaminants.
    - Modernization of a facility to replace worn interior finishes, inefficient partition layouts, outdated teaching technology, and obsolete mechanical, electrical, and plumbing systems that are not code compliant or are beyond useful life/service expectancies.

Project Name: **Cascades Campus Expansion**
Institution: **Oregon State University**

Project Description (size, new construction vs. renovation, uses, etc.): Acquisition and renovation of buildings to expand the OSU-Cascades branch campus to a 4-year program

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$16,000,000**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - **$8,000,000**

Total Project Cost - **$24,000,000**

Contribution to 40-40-20 goals:

1. Serving more students:
   - This project will provide capacity for OSU-Cascades to serve over 1600 students (more than 80% Oregonians) by 2017 with a target of 5000 by 2025. Current capacity is about 900. Increased capacity will allow new and expanded programs in areas key to Oregon's economy including engineering, computer science, accounting, education, and health professions.
   - The new facilities are needed to expand to a 4-year branch campus, which will help meet an important part of the demand for a 4-year OSU degree that can't be met in Corvallis.

2. Serving students better
   - The opportunity for a full four-year university experience in Oregon's fastest growing region contributes to affordability for many students. Sixty percent of local high school graduates who pursue higher education choose a 4-year university and must leave the area, paying significantly more for their education.
   - The expansion builds on and continues a strong partnership with Central Oregon Community College and provides two innovative pathways to degree completion.
   - A four-year campus creates a larger faculty to partner with regional employers in offering learning through internships, service work, and community engagement.
   - The expansion of OSU-Cascades, because it leverages the administrative and support structures in Corvallis, offers greatly expanded access to higher education at significantly lower costs per degree than a new stand-alone.
   - An expansion to a four-year university will offer students a wider choice of options both in a major and in course offerings.
   - A 4-year university provides continuity for students, resulting in better advising, fewer wasted credits, and improved time to graduation.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment
   - The expansion will allow growth in degrees granted in critical areas of need including engineering, computer science, health and human sciences, business, and natural resources.
   - The initial project implementation will create an estimated 216 jobs in an area hard-hit by the recession, and the resulting expansion to a 4-year university will create hundreds more jobs in the future. Higher education will be a stabilizing influence to the current cyclical economy in Central Oregon.
   - The campus expansion will create a research capacity to partner with key Central Oregon industries including: health care, manufacturing, high tech, tourism and natural resources.

Project Name: **Chemical, Biological and Environmental Engineering Building**
Institution: **Oregon State University**

Project Description: The project is new construction of approximately 60,000 GSF of collaborative, multi-disciplinary teaching and research space for the School of Chemical, Biological and Environmental Engineering.

Total State Bonding Requested -- sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service: **$20,000,000**

Total Institutional Funding -- sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.: **$20,000,000**

Total Project Cost: **$40,000,000**

Contribution to Oregon's 40-40-20 goal:

The College of Engineering is the largest academic college at OSU. The COE has experienced phenomenal growth over the past few years. Undergraduate enrollment and total enrollment over the past three years have increased by 34 percent each, and total degrees awarded have increased close to 30 percent over the past three years. The COE has enrolled approximately 700 more students in its undergraduate engineering programs in fall 2012 compared to fall 2011. At the same time, COE's external grants and contracts increased by over 30 percent over the past three years, and the COE is central to OSU's efforts to increase commercialization and corporate development.

The School of Chemical, Biological and Environmental Engineering (CBEE) is one of the fastest growing enrollment areas within the College of Engineering. The disciplines represented within CBEE are attracting an increasing number of high achieving students from Oregon, as well as a high proportion of women into engineering.

State bonds leverage $20 million in already secured private support for the construction of the building.

1. *Productivity* - This project will meet a critical space need to allow Oregon State University to **serve more students**, both undergraduate and graduate, in engineering by:
   - Providing increased capacity to serve a **growing student body in STEM fields**.
   - Providing general-purpose classrooms and teaching laboratories for all students at OSU. University enrollment grew 5.7 percent to 26,393 from fall 2011 to fall 2012, and 20 percent since fall 2009.
   - Enabling OSU to increase enrollment in the following specific categories: **first-time freshmen, community college transfers, freshman participation, transfer student completion**, **bachelor's degrees**, **advanced degrees**, and **engineering degrees**.

- Providing space for faculty expansion and for laboratories that provide undergraduate and graduate students access to state-of-the art labs to develop skills in engineering areas critical to Oregon's growth.

2. *Quality* - This project will enable OSU to **better serve students** by:
   - Including a 200-seat auditorium, undergraduate teaching laboratories, a computer-learning laboratory, and spaces for large group learning. This space will allow OSU to provide greater access for students by expanding the number of laboratory sections.
   - Improving the quality of the OSU student experiences by co-locating faculty and students from multiple engineering disciplines. It will bring complementary capabilities and knowledge to bear on complex problems. Combined with an increase in the number of faculty, this project will enable OSU to: improve **student persistence**, decrease **student/faculty ratios**, increase **student satisfaction**, and decrease **time to degree** (including the growing number of transfer students)
3. *Service to Oregon* - This project directly supports academic and research programs that further State goals related to **economic development, innovation and a healthy environment by:**
   - Supporting Oregon industries through research (in areas including alternative energy, materials, and bioengineering) and internship partnerships with companies such as Intel, HP, AVI Biopharma, Georgia Pacific, or Oregon Freeze Dry as well as startups and spinouts such as Amorphyx and NuScale. This project will promote regional economic expansion and increase the number of graduates **employed in Oregon and it will continue the momentum to attract philanthropic support for a wide range of projects at OSU**. During Construction this $35 million project is estimated to create 315 jobs based on nine construction jobs for each $1 million invested.

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Project Name: **Classroom Building and Quad**
Institution: **Oregon State University**

Project Description (size, new construction vs. renovation, uses, etc.): Construction of a new 4-story, 130,000 GSF building to include 14 general purpose classrooms (40 to 600 seats), space for the University Honors College, as well as space for an integrated instruction resource center to support state-of-the-art learning environments

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$32,500,000**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - **$32,500,000**

Total Project Cost - **$65,000,000**

Contribution to 40-40-20 goals:

1. Serving more students:
   - OSU total and undergraduate enrollments have each increased by almost 30% over the past five years. All of the net enrollment growth within OUS this year, including enrollment of resident Oregonians, is attributable to OSU. OSU *cannot* sustain continued enrollment increases without new classroom and other teaching spaces.
   - This project will provide classroom capacity necessary for the next five to eight years of projected student growth on the Corvallis campus as part of OSU's contribution to the State's 40:40:20 goal (additional capacity will be created at the branch campus in Bend)
   - Added classroom capacity will accommodate scheduling of additional class sections as OSU adds new faculty to meet the needs of a growing student population
   - Some of the largest increases in undergraduate enrollments at OSU have been in engineering and related STEM disciplines and in health-related majors. The project will enable OSU to serve more students in these critical areas of need for the State and the nation.

2. Serving students better:
   - Added classroom space will relieve current limitations on class scheduling, improving access to gateway classes and decreasing time-to-completion
   - The new building and quad will provide significantly improved access to large enrollment classrooms for students with disabilities

- As an integral part of the building, the Honors College will connect our academically most talented students to students in programs across campus; a strategy that improves retention and engagement and enable us to retain a higher proportion of high-achieving students from Oregon high schools here in the State.
- The building will house an Integrated Instructional Resource Center to provide learning support to students, course design assistance to faculty, and access to modern media tools for teaching and learning
- A better quality learning environment improves student engagement and success, leading to more rapid degree completion. Classrooms of all sizes will be designed for modern, interactive pedagogies

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment
   - Students in all of OSU's highest demand majors (including health and pre-health professions, engineering, science and mathematics, natural resources, and teaching) will have classes in the building

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Project Name: **School of Business Administration Addition, Renovation and Deferred Maintenance**
Institution: **Portland State University**

Project Description: The project will add an additional 42,000 (+/-) sq. ft. to the School of Business Administration (SBA) and modernize and upgrade the existing structure (105,990 sq. ft.) that is currently occupied by SBA and the Graduate School of Education. The project addresses significant deferred maintenance including ADA improvements, seismic stabilization, fire protection upgrade, energy efficiency upgrades and hazardous material abatement. The project adds a 150 seat auditorium and 11 new classrooms.

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - $ **40,000,000**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - $ **10,000,000**

Total Project Cost - $ **50,000,000**

Contribution to 40-40-20 goals:
The School of Business Administration is PSU's second largest academic unit and the largest supplier of business talent of any business school in the state, graduating on average 700 undergraduate and 200 graduate students each year. The addition of new space and the renovation of the existing building will allow the school to better serve the state by creating visible, expandable centers that enhance the school's ability to directly contribute to industries such as food, active wear, and real estate. The flexible design will allow for shifting needs and priorities over time and create space for up to 30% more students.

1. Serving more students:
- Allows the SBA to incrementally increase undergraduate and graduate business student enrollment by 30% by adding 11 new classrooms and a new auditorium as well as new faculty space
- Expands the SBA student internship program, working with Oregon businesses and non-profit NGO's
- Doubles the amount of potential research space and student involvement in research opportunities and adds 22 student break-out rooms
- Enhances collaboration with educational units, public agencies and external business partners by creating targeted industry centers

2. Serving students better:
- Improves student recruitment, retention and persistence

- Modernizes 37 classrooms and teaching labs to accommodate changing pedagogy
- Facilitates the expansion and modernization of the educator professional development, training and mentorship programs
- Enhances classroom technology and online professional development, increasing access and student participation in problem solving
- Reduces operating costs through at least a 30% reduction in energy consumption and water usage

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment
   - Creates 450 construction jobs
   - Builds on success, leveraging the SBA's international reputation for talented business graduates
   - Expands four business centers working closely with Oregon's venture capitalists and entrepreneurs
   - Provides technical business support to minority owned businesses
   - Supports philanthropy from regional and international business sector partners

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Project Name: **Neuberger Hall DM and Renovation**
Institution: **Portland State University**
Project Description: The project will renovate and modernize Neuberger Hall (237,879 sq. ft.), one of the most important academic buildings on the PSU campus. The renovation will greatly improve the space for the Colleges of Liberal Arts and Sciences (CLAS) and Fine and Performing Arts and will modernize space for student administration services as well as general classrooms. The project will address significant deferred maintenance problems including a leaky roof, poorly performing mechanical systems, seismic retrofit needs, deteriorating plumbing, poor indoor air quality, and inadequate ADA accessibility.

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$ 42,350,000**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - **$ 150,000**

Total Project Cost - **$ 42,500,000**

Contribution to 40-40-20 goals:

Neuberger Hall is located at the heart of PSU's campus and contains many student services and general pool classrooms. This core building is one of the most heavily utilized on campus, and most students visit Neuberger Hall for administration or education purposes many times during their college career. The building is in very poor condition, and the project addresses all of the building's deferred maintenance needs. Proposed improvements will also serve more students by adding larger classrooms that are desperately needed on campus and allow more efficient programming of space to increase enrollment in key educational units. Because of Neuberger Hall's importance and heavy use, the improvements will serve students significantly better by modernizing heavily used general purpose classrooms, renovating department office spaces and creating much needed student collaboration space.

1. Serving more students:
   - Renovates existing space to create classroom sizes and layouts to meet the needs of current teaching methods and accommodate more classes
   - Reorganizes CLAS educational units so faculty and student spaces are adjacent allowing for enhanced collaboration and greater effectiveness
   - Improves the overall efficiency of the building and creates more student study areas, which are in short supply on campus

2. Serving students better:

- Modernizes and refurbishes the enrollment services center, which is often the first impression of in-coming first-time freshmen and transfer students.
- Modernizes 45 classrooms and teaching labs to accommodate changing pedagogy and creates the quality learning environment expected at PSU.
- Enhances classroom technology and online professional development, increasing access and student participation in problem solving.
- Creates student group meeting areas that enhance community and collaborative problem solving.
- Improves faculty office conditions, supporting quality instructor recruitment, retention and reduced student/faculty ratios.
- Reduces operating costs through at least a 30% reduction in energy consumption, reduced water disposal and reduced reactionary maintenance.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment
   - Creates 382 construction jobs
   - Creates a more healthy work environment for faculty and staff by eliminating on-going maintenance projects and water leakage in faculty offices.
   - Creates additional faculty research space for increased public/ private innovation.
   - Improves building accessibility to support universal access for individuals of all levels of ability.

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Project Name: **Stott Center Educational Facility Renovations and Deferred Maintenance**
Institution: **Portland State University**

Project Description: The renovation and expansion of the Stott Center Educational Facility will add 20,000 sq. ft. of new space and renovate 201,935 sq. ft., and in so doing, substantially convert a building previously used almost exclusively by the Athletics Department to a facility generally available to the campus community for educational and educational support activity. The project will add a 5,000 seat arena for campus and community events and activities. The project includes the conversion of the facility into a fully functional multi-purpose event and community facility, the modernization of spaces used to provide for-credit courses and the completion of much needed deferred maintenance including fire and life safety, ADA, structural and energy efficiency improvements.

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$22,000,000**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - **$22,000,000**

Total Project Cost - **$44,000,000**

Contribution to 40-40-20 goals:

The renovation of the Stott Center will reconfigure a building used, heretofore, primarily as an athletic venue, into a facility generally available for use by all students and faculty for educational and educational support activity (including tutoring and study space, classroom and other student activity as well as lecture hall large meeting capabilities). Renovations will create a regional destination space on campus while better serving existing students and attracting more students to PSU. The renovation will transform the aging and obsolete facility into a functional and versatile building with a new academic center for student support services, a new computer lab and collaborative study lounges available to all students, and a multi-purpose 5,000 seat meeting space/arena.

4. Serving more students:
    - Creates 14,000 sq. ft. of new academic support space including a new academic center to better serve students
    - Creates a new student lounge for all students providing additional study and collaboration space in close proximity to the library and other major classroom buildings on campus
    - Creates a new 5,000 seat arena allowing for large lectures, academic symposiums and community events on campus

- Creates 22,000 sq.ft. of collaborative study space that doubles as an arena concourse

5. Serving students better:
   - Creates a facility expected to draw 330,000 event attendees to the campus annually; promoting student and faculty recruitment, retention and student participation in on-campus activities.
   - Improves campus identity, campus vibrancy and the quality of student life on campus, including the creation of significant new study space
   - Improves the quality of the learning environments of students enrolled in Community Health courses and of student athletes
   - Modernizes eight class spaces to accommodate changing pedagogy
   - Reduces reactionary maintenance and facility operating costs

6. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment
   - Creates 396 construction jobs and will hold events that result in a $7 million per year regional impact
   - Creates a large arena accessible by mass-transit, walking and bicycling which promotes a healthy environment and reduces the overall carbon footprint of PSU
   - Creates a space for bringing youth from throughout the region to campus for camps to introduce them to a university environment, a first step towards creating a personal goal of beginning and completing a college education
   - Promotes good health through physical education and community health coursework
   - Supports philanthropy through alumni, business and community sports enthusiasts
   - Supports active lifestyles by hosting large community and amateur tournaments and sporting activities

Project Name: **Straub and Earl Halls Classrooms Expansion**
Institution: **University of Oregon**

Project Description: The project, located in the academic core of campus, will result in approximately 1,000 new created and newly renovated classroom seats dedicated to general university use, including a highly needed 500+ seat lecture hall. The project consists of a two-story expansion and redevelopment of existing portions of Earl and Straub Halls and related site work. Redevelopment will result in 20,500 GSF of new space and will replace or remodel 29,600 GSF of existing space. Straub Hall is currently undergoing a significant remodel aimed at relieving its overwhelming deferred maintenance issues, and this project will expand the deferred maintenance work to replace the existing classrooms with new ones.

Total State Bonding Requested - **$11,000,000** XI-G bonds.
Total Institutional Funding - **$11,000,000** gifts, grants and other sources.
Total Project Cost - **$22,000,000**

Contribution to 40-40-20 goals:

- By increasing the number of classroom seats, more class sections can be offered, which contributes to a shorter time to degree, and allows more classes to be offered during the most sought after teaching and learning times. The new classroom spaces will also be configured to take advantage of the latest best practices in teaching, including room configuration and technology infusion.

Serving more students:

- This project will provide an additional 700 centrally controlled classroom seats equating to capacity for 2,800 students in all disciplines.

Serving students better

- These additional classroom seats add to the scheduling options available to students and shorten their time to graduation. This is particularly true for classes taught in a sequence as the inability to get into one class of a sequence causes a delay of an entire academic year.
- The project includes the renovation of 300 existing classroom seats to the latest practices in teaching, including room configuration and technology, greatly improving the learning environment of these existing classrooms. Technology is likely to include ‘clickers’, multiple displays and broadcasting and receiving options for lecture capture and asynchronous learning.
- The resulting grouping of classrooms will allow for breakout options, enhanced student communications, and alternatives for collaborative learning.
- This project replaces current teaching spaces in off-campus locations with classrooms at the center of the campus thereby reducing the amount of travel between classes and adding options for scheduling back-to-back classes.

- The project will create new and substantial physical connections to Earl Hall which is a residence hall and to the adjacent Living Learning Center residence hall enhancing the living and learning component of the university and advancing its standing as a residential campus.

Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment

- This project is estimated to create 198 jobs.
- The UO's Oregon Model for Sustainable Development requires the project to obtain a Leadership in Energy Efficiency Design (LEED) gold level certification, use 35% less energy than the State of Oregon code requires, meet advanced standards for storm water treatment, and include on-going operations education for building occupants.

Project Name: **Huestis Hall Second Floor Renovation**
Institution: **University of Oregon**

Project Description: This renovation project will create a cutting edge BIOCOR facility for advanced training in life sciences technologies and application. This project will repair 40 year-old dilapidated systems (structure, plumbing, HVAC) to bring this area up to current seismic and laboratory safety standards, and conserve energy.

Total State Bonding Requested - **$4,000,000** XI-G bonds.
Total Institutional Funding - **$4,000,000** gifts, grants and other sources.
Total Project Cost - $8,000,000

Contribution to 40-40-20 goals:

- This facility renovation supports the 40-40-20 goal of better trained graduates with higher levels of professional success, especially in STEM disciplines, by providing access to cutting edge laboratory facilities and equipment, and thereby creating a vibrant Oregon workforce.
- The 40-40-20 educated workforce is best achieved by providing students with advanced training in cutting edge technologies in fields that have strong growth potential and serve critical needs within the state. The BIOCOR project includes core facilities for education, research and industry engagement (replicating the successful CAMCOR facility), provides the training to allow students to be successful both now and over the next decades.

Serving more students:

- The renovated space will support the expansion of our existing applied science Graduate Internship Program into life sciences, especially into computationally intensive, “big data” science fields, increasing the number of students by 25% per annum with advanced training and placement into industries with a large footprint in Oregon.
- The renovations of existing lab space will allow new tenure-related science faculty to be hired to serve rapidly growing students numbers in high tech science fields, e.g., life science enrollment has doubled in the last ten years. One new entry-level class can mean 30 to 50 more STEM students.
- With an increase of 70% in STEM majors, this renovation expands capacity for direct faculty mentorship of undergraduate students within research labs, working seamlessly on multidisciplinary teams with access to cutting edge equipment to provide the highest quality, advanced training to be well prepared for the workplace.

Serving students better

- BIOCOR provides STEM training opportunities both directly and through support for advanced classroom/ laboratory activities, access to technologies and tools of tomorrow. Emphasis is on quantitative training, biological processes and advanced characterization.
- Advanced training increases student employability; increases workforce capacity in the science, technology and informatics arenas.

- Reduced costs of ongoing operations and renovation at economy of scale rather than piecemeal will enable existing resources to be redirected for other uses.

Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment

- This project is estimated to create 72 jobs.
- The University of Oregon is a leader in basic science research and training within the state, a signature area of strength within the university. Positions in the healthcare industry account for approximately 14% of all Oregon jobs, and computational informatics play an increasing role in biotech solutions, healthcare management, and materials/medical device development.
- Enhanced facilities provide capacity to support the emerging health care technology and biotech economy. Core facilities provide access to advanced technologies for UO spin-offs and external companies in Oregon, allowing them to remain in the area/state and generating job growth.
- Environmental technologies are dependent on many life science applications (e.g., genomics), so next-generation environmental approaches will be reliant on technologies provided within BIOCOR.

Project Name: **Chapman Hall Renovation, Seismic Upgrade and Deferred Maintenance**
Institution: **University of Oregon**

Project Description: This deferred maintenance and seismic renovation project will consist of a 23,050 GSF interior and exterior renovation of Chapman Hall, home of the Robert D. Clark Honors College. A significant reorganization of Chapman Hall is necessary to satisfy long-term program needs. The renovated building will help the University attract and retain more high achieving students from Oregon, with classrooms, seminar rooms, a conference room, thesis defense room, library, departmental faculty and administrative space and Honors College student spaces. Seismic and deferred maintenance includes building exterior, windows and doors; elevators HVAC equipment, controls and distribution; electrical equipment; plumbing rough-in; plumbing fixtures; fire protection; built-in equipment and specialties; interior finishes; and painting.

Total State Bonding Requested - **$2,875,000** XI-G bonds, $4,500,000 Q Bonds, retired by State.
Total Institutional Funding - **$2,875,000** gifts, grants and other sources.
Total Project Cost - **$10,250,000**

Contribution to 40-40-20 goals:

- This project will help the university attract and retain high achieving students from Oregon, thereby making a major contribution to Oregon's 40-40-20 Plan, and keeping some of the best and brightest students here in the state. Oregonians represented 62% of the College's Fall 2011 freshman class and 73% of the Fall 2012 freshman class illustrating the upward trend towards keeping the best and brightest Oregon students at home. Oregon students hail from metropolitan as well as rural counties across the state and comprise 65% of the enrollment of the College.

Serving more students:

- This project will provide better facilities for the existing 650 Honors College students and add additional capacity for 50 more students in the College.

Serving students better

- Students graduate with a degree from the Clark Honors College; all write a senior thesis directed by three professors in the student's field.
- The College graduates 89% percent of its students.
- With 65% of its enrollees Oregonians, the College is seen as a prestigious alternative to the costly private universities and colleges to Oregon high school graduates. The median GPA of those who apply is 3.95 and the median SAT is 1360.
- The project includes the renovation of existing classrooms to the latest practices in pedagogical technology, greatly improving the learning environment and enhancing the community of scholars.

- New spaces in the building will include collaborative learning environments for interdisciplinary courses.
- The reorganization within the building and new informal and formal meeting rooms will enhance the interaction between students and professors outside of the traditional classroom environment.
- The renovations and the deferred maintenance will allow the building to operate more efficiently directing resources to other areas which can benefit students.

Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment

- This project is estimated to create 92 jobs.
- The UO's Oregon Model for Sustainable Development requires the project to obtain a Leadership in Energy Efficiency Design (LEED) gold level certification, use 35% less energy than the State of Oregon code requires, meet advanced standards for storm water treatment, and include on-going operations education for building occupants.

Project Name: **Global Studies Building**
Institution: **University of Oregon**

Project Description: The Global Studies Building project, located in the academic core of campus, will add a new campus building to house the College of Arts and Sciences academic departments and programs within the Oregon Consortium of International and Area Studies and International Affairs units and centers, as well as a 400+ seat new general university use classroom with break-out spaces. The project will consist of a new three-to-four story, 37,000 GSF building and related site work. The building will house general university classrooms, breakout rooms, seminar and conference rooms, offices, and faculty and staff support areas for the academic programs and centers it houses. This project will enable UO to better serve students studying world cultures, the global economy and international affairs. A Global Studies Center will more fully integrate grant funded programming, research and outreach with global education opportunities for students.

Total State Bonding Requested - **$9,125,000** XI-G bonds.
Total Institutional Funding - **$9,125,000** gifts, grants and other sources.
Total Project Cost - **$18,250,000**

Contribution to 40-40-20 goals:
- The new building will integrate 12 programs, offices and centers with an international focus that have been spread across campus into a shared facility that will include interactive learning and collaboration spaces along with classrooms outfitted with the latest technologies designed to facilitate cross-cultural dialog and international understanding.
- The quality of education at UO will be enhanced with a facility focused primarily on global studies.

Serving more students:
- This project will provide an additional 400 centrally controlled classroom seats equating to capacity for 1,600 students in all disciplines.

Serving students better
- This project will create new synergies among departments, programs, and centers focused on global issues that will improve the quality of education for UO students.

Outreach services to community colleges and K-12:
- This project will enhance collaborative efforts between UO departments focused on languages, cultures, and cross-national studies and Oregon teachers at the K-12 and community college levels.
- The building will house programs promoting multilingualism, cross-cultural knowledge and global study experiences to the state as a whole.

Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment

- This project is estimated to create 164 jobs.
- This project will help prepare Oregon's future workforce for jobs that articulate with an increasingly global economy by promoting language competence and cross-cultural understanding.
- The Oregon economy will be more innovate, dynamic and competitive if in-state, U.S., and global employers know that our workforce understands other cultures and has a command of Mandarin and Spanish, and in some cases Danish and Vietnamese.
- The UO's Oregon Model for Sustainable Development requires the project to obtain a Leadership in Energy Efficiency Design (LEED) gold level certification, use 35% less energy than the State of Oregon code requires, meet advanced standards for storm water treatment, and include on-going operations education for building occupants.

Project Name: **Science Commons & Research Library Expansion and Remodel**
Institution: **University of Oregon**

Project Description: This project will completely remodel the existing underground science library and create a new Science Commons and Research Library (SCRL) that will support advanced research and problem solving in a variety of scientific disciplines. The project consists of a two-story renovation and addition to the underground Science Library and related site work, adding approximately 3,525 GSF of new space, as well as remodeling 36,525 GSF of the existing facility.

Total State Bonding Requested - **$8,375,000** XI-G bonds.
Total Institutional Funding - **$8,375,000** gifts, grants and other sources.
Total Project Cost - **$16,750,000**
Contribution to 40-40-20 goals:

- The new SCRL will significantly enhance the quality of the educational experience for those students who intend to earn a bachelor's degree in the STEM disciplines, and also provide important outreach and support services for students at the community colleges and K-12.
- Investigations into student retention in higher education show statistically significant correlations between library investments (learning spaces, rich collections, technology, expertise) and improved retention and academic performance. [**Mezick, Elizabeth M. Return on Investment: Libraries and Student Retention. The Journal of Academic Librarianship, Volume 33, Issue 5**, September 2007, p. 561–566]

Serving more students:

- The seating capacity, will increase from 252 to 520 seats to address a 71% increase in science majors since 2001.
- New seats for classes, seminars, and group study, will increase from 72 to 158.
- A new 20 seat Digital Technology Lab and infrastructure to address growing demand for connectivity will be added.

Serving students better:

- The project creates newly-configured instructional spaces to support collaborative work and problem-based learning and new flexible study spaces, with movable walls and furniture that can be reconfigured easily to accommodate teaching/learning requirements.
- Two to three new discipline-specific rooms (such as anatomy) with resources to support discovery and learning will be added.
- Create additional spaces for student advising, in collaboration with the College of Arts and Sciences will be created.
- New technologies to support data-intensive disciplines including visualization capabilities are planned.
- New teleconferencing services to support distance instruction and to enable better connections with the global scholarly community will be added.

Outreach services to community colleges and K-12:

- The university libraries, along with the UO museums, represent a critical linkage with the larger learning community through on site access to licensed research databases, exhibits and interactive displays, and lectures.
- As conceived, the new facility will be a point of "scientific discovery" with OMSI-like programming. In this way, it can provide a source of inspiration and knowledge for students working toward a high school or associate's degree.

Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment:

- This project is estimated to create 151 jobs.
- The University of Oregon is a leader in basic science research and training within the state, a signature area of strength within the university. Positions in the healthcare industry account for approximately 14% of all Oregon jobs, and computational informatics play an increasing role in biotech solutions, healthcare management, and materials/medical device development.
- The project will obtain a Leadership in Energy Efficiency Design (LEED) gold level certification, use 35% less energy than the State of Oregon code requires, meet advanced standards for storm water treatment, and include on-going operations education for building occupants.

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Project Name: **Theatre Arts Building Expansion and Remodel**
Institution: **Southern Oregon University**

Project Description: **SOU requests capital funding for expansion and renovation of the Theatre Arts building, a 38,226 square foot teaching and performance facility on the Ashland campus. Designed for 60 students, it cannot adequately serve the currently enrolled 250 Theatre students. For the project, 10,488 s.f. will be remodeled, and 22,151 s.f. will be added for a total of 60,377 s.f.**

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$ -0-**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) **- $ 5.5M to be repaid by student differential tuition of additional $62/credit.**

Total Project Cost **- $ 11M**

Contribution to 40-40-20 goals:

1. Serving more students:

The cornerstone of SOU's designation as an Oregon University System Center for Fine and Performing Arts, the remodeled building will enable SOU to expand programming and attract increased numbers of talented students. Our Theater program is considered the top undergraduate opportunity in the Western United States. Once completed, the Theatre Arts building will accommodate over 150 new undergraduate students specifically for theatre and musical theatre education and productions and 430 program graduates entering the workforce in 5 years. 75% of Theatre students come from beyond southern Oregon and 50% of the students are resident Oregonians.

2. Serving students better

This addition will relieve extreme overcrowding in the theatre facility, and provide improved learning and teaching spaces, and state-of-the-art technology. Student Credit Hours (SCH) in the Theatre Department for Fall of 2012 have increased 17.8% over SCH of Fall 2011. Added capacity from this building project will have tangible economic impact on the region's critical theatre technology and entertainment fields.

SOU is a "research and development park" for the creative arts cluster in Oregon. Connected with the establishment of internationally known Oregon organizations such as the Oregon Shakespeare Festival and Britt Music Festival, SOU is the creative core of fine and performing arts and film in southern Oregon. Jackson-Josephine Counties in southern Oregon are second only to the Portland region on Oregon's Creative Vitality Index, which measures community participation and arts-related employment. The renovation and expansion will increase SOU's capacity to leverage critical partnerships and serve as the region's cultural hub to expand the tourism, arts, and hospitality-based industries of Oregon.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment

The renovation and expansion will enhance safety, upgrade core systems and satisfy all ADA requirements. The state requires public building projects to meet or exceed LEED silver standards. Addressing energy efficiency concerns, this building would potentially be the first academic building on the SOU Ashland campus to meet the Governor's standards and the second commercial building in the city of Ashland to be LEED certified.

This project will put people to work in southern Oregon immediately, creating or retaining more than 50 jobs during construction. In addition, the project launches a new growth phase for an existing industry – the creative arts and the tourism industry. SOU's arts and cultural activities have been and will continue to be integral to regional strengths and to the economic well-being of Oregon.

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Project Name: **McNeal Hall Deferred Maintenance**
Institution: **Southern Oregon University**

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) – **$ 9,375,000**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - **$ 6,500,000**

Total Project Cost **- $ 15,875,000**

Contribution to 40-40-20 goals:

1. Serving more students:

With a new 700-bed residence hall and dining facility set to open in fall 2013 less than fifty feet away from McNeal, and new recreation center attached to McNeal in the near future, the building will become a hub for student activity. Students in greater numbers will utilize classrooms, common spaces, locker rooms, bathrooms, and dance/fitness areas more often. Upgrading McNeal will ensure these spaces are able to withstand the increase in use as well as be safe and congenial. Currently the spaces are dark, outdated, and barely sufficient to accommodate the pressures put on them by our thriving Health, Physical Education, Outdoor Adventure Leadership, Community Recreation and Athletic programs.

2. Serving students better

For a multitude of prospective students and parents in Oregon and northern California, McNeal is their first and sometimes only impression of Southern Oregon University. Whether through athletic or community recreation events (swim meets, high school tournaments, camps, etc.) what they experience in terms of facilities in McNeal is projected to the rest of campus and its perceived ability to deliver the kind of college experience today's young person is looking for. Quality facilities here in McNeal will help attract more students to SOU. They will also help retain those students, as the convenience of these facilities (adjacent to almost all of the students living on campus) is matched with modern attributes people expect in a facility of higher learning like AC, consistent heating, water quality, adequate light, ADA compliance, asbestos free interiors, structural aesthetics and adequately apportioned classroom space.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment

ACCESSIBILITY

The building is deficient in providing adequate ADA compliant, accessible features for the disabled.
Accessibility improvements have been recommended for the main and secondary building entrances, interior accessible path of travel, access to and within primary functional room areas, and public and staff restrooms.

HEALTH
While some minor asbestos containing material mitigation has occurred, visual evidence suggests that many of these materials remain. Piping insulation, fireproofing, and multiple interior finish systems are suspected to contain asbestos.

FIRE / LIFE SAFETY
The steps and stairways in the emergency egress route do not fully incorporate or provide safety features required by current building and life safety codes and ADA legislation. Many of the corridor and fire separation doors date from original building construction and include unrated assemblies and frames as well as aging, non-compliant door hardware. These doors have exceeded their effective useful life in many areas and do not meet current building and life safety code requirements for fire-rated separations. Not all of the facility has automatic fire suppression. A facility of this size and use should be fully protected by an automatic fire suppression system.

HVAC
This building has one 1963 vintage 25,200 BTUH multi-fuel boiler fueled by natural gas. Although considered functional, the boiler is relatively inefficient by modern standards. The building has no air conditioning and many of the building users complain of poor ventilation and lack of cooling.

Project Name: **New College of Education Facility**
Institution: **Western Oregon University**

Project Description: Construction of a new, 57,000 square foot, three-story building which will include classrooms, research based clinical education settings, and office space.

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$17,200,000**

Total Institutional Funding (sum of XI-F, SELP or XI-Q where institution will fund plus debt service plus all other funds to be raised, etc.) - **$1,400,000**

Total Project Cost - **$18,600,000**

Contribution to 40-40-20 goals:

1. Serving more students:
   - This facility provides additional capacity to serve growing enrollment in Education majors (Teacher Preparation, Special Education, American Sign Language, and Rehabilitation Counseling Education which have steadily increased an average of 7% per year over the past 5 years.
   - Allows for future renovation of existing building to provide cost effective additional capacity for achieving state's 40/40/20 goal of educating more students, allows for expansion of: (a) existing collaborative OHSU Nursing School at WOU and new related health care professions, (b) business and computer science programming, criminal justice, and mathematics programming.

2. Serving students better
   - The proposed building will be seismically sound and energy efficient, providing larger and more flexible classroom space to match various types of instructional strategies being taught.
   - The facility will provide effective learning opportunities dedicated to the unique communication, rehabilitation, and educational needs of deaf and hard of hearing children and adults.
   - Provides frequent hands-on experience with 21st century teaching tools, e.g. use of hand-held devices, Smart Boards, avatar simulations, and live streaming connections with real classrooms.
   - Provides educational opportunities conducted in a modern research-based clinical setting.

3. Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment

- Construction will be completed supporting the Governor's Executive Order No. 12-16 which encourages innovative uses of wood products as a green building material (separate architectural description available).
- Jobs - Estimate 9 jobs for every $1M of project cost: $18.6M * 9 = 167 Jobs
- Provides continued access to faculty mentoring and advanced programming that supports career advancement for our graduates and currently employed educators.
- Enhances WOU's ongoing partnerships with PK-12 schools in offering professional development, endorsements, and advanced programs focused on achieving the Oregon 40/40/20 goals and OEIB district compacts. Contributes to better preparation of teachers in STEM subject matter.
- Facilitate collaborative research between the College of Education and the Teaching Research Institute to meet the rigorous preparation standards required of childcare providers aligned with HB 4165 and Governor Kitzhaber's vision for high quality early childhood education.

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Project Name: **Capital Renewal Code and Safety (Current Needs)**

Capital repair funds are used by the campuses to address critical infrastructure and life safety issues in Education and General (E&G) facilities. Capital repair projects include classroom modernization, ADA compliance, and upgrades of heating and cooling systems, electrical systems, sprinkler and fire systems, elevators, windows and other critical systems. **Industry rule-of-thumb states that every dollar spent on current needs avoids four dollars in deferred maintenance, an ROI of +300%.**

Institution: **Oregon University System (OUS)**

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$40M XI-Q**

Total Institutional Funding -**$0**

Total Project Cost **- $40M**

Contribution to 40-40-20 goals:

1. **Serving more students:**
    a. Classroom modernization projects increase space utilization allowing campuses to serve more students with existing instructional spaces.
    b. ADA improvements extend access to more citizens.
    c. Addressing failing infrastructure keeps instructional facilities open and operational serving students and limiting risk.

2. **Serving students better:**
    a. Modernization projects deliver functional and technically advanced learning environments that improve student learning, retention and graduation rates.
    b. Code compliant facilities limit risk and reduce repair and energy cost allowing the campuses to focus funding on the educational delivery.

3. **Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment**
    a. Projects protect the health and life safety of the entire campus community.
    b. Funding is distributed to all campuses proportionately thereby spreading the economic benefit across the State.
    c. Projects provide a greater opportunity for participation by MWESB contactors in these smaller scale projects leading to improved capacity and economic benefits.
    d. Jobs - Estimate 9 jobs for every $1M of project cost $40M * 9 = 360 jobs

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Project Name: **Research Collaboratory**

New, state-of-the-art advanced cyber infrastructure and associated space to allow interactive engagement among all OUS researchers and stakeholders to allow increase Oregon's competitiveness for innovation and jobs.

Institution: **Oregon University System (OUS)**

Total State Bonding Requested (sum of XI-G, Lottery, XI-M, SELP or XI-Q where institution is requesting State funding for debt service) - **$5M XI-Q**

Total Institutional Funding -**$0**

Total Project Cost - **$5M**

Contribution to 40-40-20 goals:

7. **Serving more students:**
   - This project will provide unlimited capacity for all divisions of students, particularly upper division, master's and PhD students in critical STEM disciplines.
     - Opportunities to involve more students in research activities.
     - Opportunities to enhance collaborations with other educational sectors.

8. **Serving students better:**
   a. Superior technology offers advanced learning tools that improve student learning, retention and graduation rates.
   b. Investment in technology has the potential to reduce the need for place-based learning environments, increasing access to more students and industry partners.

9. **Relationship to Healthy People, Safety, Jobs and Innovation, Healthy Environment**
   a. State-of-the-art technology hubs will be available to researchers across the State thereby spreading its economic benefit.
   b. State-of-the-art technology will increase the State's ability to win funded research, develop innovations for job creation and compete globally.
   c. High impact for every $1 spent in research far exceeding 1:9 capital investments.
   d. Increase opportunities for technology transfer to Oregon existing and emerging businesses.
   e. Grow State's advanced technology capacity and associated workforce.