

State Board of Regents

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September 12, 2018

MEMORANDUM

TO: State Board of Regents

FROM: David L. Buhler

SUBJECT: USHE – Presentation and Prioritization of Institutional State-Funded Capital Development

Projects for 2019-20

Issue

Regent Policy R741, *Capital Development Prioritization* requires that the Board of Regents annually review state-funded capital development project requests and rank capital facility projects based on the most pressing and critical needs in the system.

Background

In accordance with Regent Policy R741, *Capital Development Prioritization* the Board of Regents reviews capital development project requests annually for the purpose of assigning priorities based on the most pressing and critical needs in the system. The eight projects included in the request for the 2019-20 funding cycle are:

- University of Utah Interdisciplinary Physical Science Education and Research
- Utah State University Center for Languages and Cultures
- Weber State University Noorda Engineering and Applied Science Building
- Southern Utah University Technology, Engineering and Design Building
- Snow College Social Science and General Education Building
- Dixie State University Science Building
- Utah Valley University New Business School Building
- Salt Lake Community College Herriman Campus General Education Building

Summaries of the requested projects may be found in Attachment 1 and charts depicting institutional space inventories are included in Attachment 2. The preliminary quantitative scoring by the Commissioner's Office in accordance with Board policy (R741) is included in Attachment 3 and a summary of prior legislative funding from the last five years is included in Attachment 4.

Guidelines adopted in May provide all members of the Board with the opportunity to score the institutional projects during the Thursday presentations based on specific criteria. Attachment 5 contains the adopted Guidelines and an explanation of the scoring criteria and instructions for Board member scoring.

Following the institutional presentations and Board criteria point scoring, the Capital Facilities Committee will meet to deliberate the merits of the projects based on site visits, quantitative project scoring, and the Board's criteria point scores. On Friday, September 21, the Committee will then recommend assignment of points and project rankings to the full Board. The full Board will review the Committee recommendations,

















deliberate the merits of each project, and then formally establish the final USHE project rankings for submission to the Governor, the State Building Board, and the Legislature for funding consideration.

Commissioner's Recommendation

The Commissioner recommends that the Board

- 1) become knowledgeable about the institutional project requests;
- 2) discuss and score projects on how the projects support the highest and most pressing needs in USHE; and,
- 3) take final action after receiving the Board's Capital Facilities Committee recommendation to approve a priority rank for each project after for submission to the Governor, State Building Board and 2019 Legislature.

David L. Buhler
Commissioner of Higher Education

DLB/KLH/RPA Attachments

University of Utah - Interdisciplinary Physical Science Education and Research

Project Cost Estimates			
State Funds Other Funds Total Project O&M Funds			
\$60,000,000 \$24,723,000 \$84,723,000 \$611,700			

Project Space - Gross Square Footage			
New	ew Renovated Demolished		
100,000	40,729	53,863	

The proposed project consolidates physical science faculty and programs from across the campus and provides improved and expanded space for physical science education to meet growing student demand. Currently the U provides 40 percent of Utah's total STEM graduates, the majority of which are required to take physical science courses. STEM-related majors include engineering, mathematics, computer science, health and medicine and are among the most demanded in the workforce. Limited class sizes and course offerings in physical science currently result from inadequate and functionally obsolete classrooms and laboratories in the James C. Fletcher and South Physics buildings. These facilities were built in the 1960s and 1930s respectively for a much smaller student population. A modern science building will increase the capacity to serve a growing student population in STEM areas as well as drive externally-funded research.

The new facility will renovate and seismically retrofit the historic Stewart Building, built in 1919, located directly south of the Crocker Science Center as well as add an additional 100,000 square feet of new space. Structural deficiencies in the Fletcher building preclude a cost-effective remodel or replacement. Occupants of the Stewart building are relocating to the new Gardner Commons Building providing an opportunity to rehabilitate the historic building. The existing Fletcher Building will be demolished and the South Physics Building will be retained for faculty offices. The new physical science building will provide modern experimental and computing laboratory space in addition to classroom, study, and faculty office space to facilitate interdisciplinary research across campus and improve teaching and research capacity.

UTAH STATE UNIVERSITY – CENTER FOR LANGUAGES AND CULTURES

Project Cost Estimates			
State Funds Other Funds Total Project O&M Funds			
\$24,000,000	\$0	\$24,000,000	\$495,551

Project Space - Gross Square Footage			
New	Renovated Demolished		
60,641	0	10,819	

This facility will consolidate and provide enhanced space for programs within the College of Humanities and Social Sciences. It will support classrooms, teaching and research laboratories, study space, faculty offices, and seminar rooms for the Department of Languages, Philosophy and Communication Studies (relocating from space in the Geology building and Old Main) and the Department of Sociology, Social Work, and Anthropology (relocating from space in Old Main). Both departments have added faculty over the last several years as demand for linguistic and cultural skills has expanded. Moving these programs to the new facility will alleviate overcrowding around campus and provide for future growth within the College.

The proposed facility will also provide 5,700 square feet for a new Anthropology Museum that will accommodate student research and a growing ethnographic and archaeological collection. The facility will also accommodate 6,700 square feet for studios, production space, and offices for Utah Public Radio, which is a member station of National Public Radio and provides locally produced offerings and student education in journalism and communications. The Utah Public Radio Station and staff are currently located in a building known as the "Quonset Hut" due to its corrugated metal skin and semi-circular shape. This facility, constructed in 1941 as a temporary facility, would be demolished as part of the new project. The facility does not meet current seismic, ADA, or fire code requirements and its metal design, coupled with uninsulated portions of the additions, results in energy inefficiency.

WEBER STATE UNIVERSITY - NOORDA ENGINEERING AND APPLIED SCIENCE BUILDING

Project Cost Estimates			
State Funds Other Funds Project Cost Funds			
\$43,937,901 \$11,700,000 \$55,637,901 \$659,211			

Project Space - Gross Square Footage		
New	Renovated	Demolished
129,200	19,200	68,700

The Technical Education Building, built in 1957, will be replaced with a larger engineering and computer science facility that will provide modern classrooms, laboratories, offices, and study space for engineering and applied science programs. Programs in the College of Engineering, Applied Sciences, and Technology (EAST) benefiting from this facility include electrical, mechanical, and computer engineering; as well as computer science and programs associated with the University's technical college mission. EAST is one of the largest Colleges at the University and has experienced substantial student growth over the last decade. The new facility will alleviate student and faculty crowding and continue to integrate Master's, Bachelor's, and Associate's degrees.

In addition to academic programs, the new facility will also house the University's central server farm as well as space for the NUAMES charter school, which will expand operations at the Ogden campus to target under-represented populations and provide a pathway from high school to college. The University anticipates issuing a \$7.5 million revenue bond that will be repaid by NUAMES lease payments for 25,000 square feet of space in the new facility. The current Technical Education Building does not meet current ADA, fire code, or seismic requirements and its "U" shape design takes up unnecessary space on campus and provides poor energy efficiency. Approximately 19,200 square feet of seismically-sound, high bay automotive space in the facility will be retained and remodeled while the remaining portion of the existing building will be demolished and replaced by the new facility.

Southern Utah University – Technology, Engineering and Design Building

Project Cost Estimates			
State Funds Other Total Project O&M Funds Cost Funds			
\$38,373,000 \$0 \$38,373,000 \$702,400			

Project Space - Gross Square Footage			
New	ew Renovated Demolished		
80,000	0	0	

The new 80,000 square foot academic facility will consolidate faculty and programs in technology, engineering, and design (TED) and improve workforce-demanded opportunities for students. New programs such as the Master in Cyber Security and Information Assurance and the Bachelor's of Mechanical Engineering will have space in the new facility to grow and develop. The facility will accommodate the relocation of the Mathematics Department to a permanent home from four buildings scattered across campus allowing for improved coordination and collaboration. Purpose-built art and design laboratories including digital art, 2D and 3D design, animation, and digital printing and fabrication for the Department of Art and Design will provide improved accommodations for these programs and fix deficiencies identified from previous accreditation reviews.

The facility will be designed to create technologically advanced classroom space, to maximize classroom and laboratory utilization, and to meet the growing educational needs of SUU. The new building will benefit the University's growing student population and provide educational opportunities in high-demand jobs in technology, engineering, and design. The site for the new facility will be located south of the America First Event Center and will take advantage of existing parking.

Snow College – Social Science and General Education Building

Project Cost Estimates			
State Funds			
\$17,200,000	\$0	\$17,200,000	\$238,246

Project Space - Gross Square Footage		
New	Renovated	Demolished
45,000	0	17,200

A new facility will allow the College to consolidate social science programs spread throughout the campus and improve the delivery of courses with new technology and flexible classroom arrangements. Currently, Social Science Division faculty are located in two separate buildings and classes are taught in as many as five different buildings across campus that are not designed to best accommodate the coursework offered. The new facility would provide laboratory space for geography, food science, clothing and textiles, and criminal justice. These labs will provide more student capacity, update 1970s-era equipment, allow for the storage and projection of geographic charts, and allow for forensics science coursework. The facility will also house an expanded and updated preschool that will continue to provide practicum experiences for early childhood education students and childcare options for students.

The Home and Family Sciences building was originally built in 1965 as an Institute of Religion and acquired by the College when a new Institute building was constructed. Over the years, the building has been remodeled by the College to accommodate social science programs, but the facility has outgrown its useful and functional life and will be demolished to make room for the new facility. Two additional married student residential facilities will also be demolished as part of this project – the 4,264 square foot Greenwood Residence Hall and a 2,080 square foot portion of The Cottages. Space vacated by programs currently housed in the Social Science Building will be repurposed for use by the mathematics program.

DIXIE STATE UNIVERSITY - SCIENCE BUILDING

Project Cost Estimates			
State Funds Other Total Project O&M Cost Funds			
\$59,900,000	\$0	\$59,900,000	\$821,276

Project Space - Gross Square Footage			
New	Renovated Demolished		
120,000	0	52,014	

The proposed project will provide biological science facilities needed to accommodate the University's focus on health sciences. The facility will replace aging and inadequate existing space with state-of-the-art laboratory and classroom facilities. An anatomy laboratory will provide expanded and more functional space for cadavers and the facility will allow for more than one physiology laboratory to accommodate student demand. Larger classrooms in the new facility will also accommodate class sizes of more than 100 students.

The proposed project involves three existing facilities: the Science Building, the Education Building, and the Music Building. The existing Science Building was constructed in 1963 and lacks the functionality to provide adequate laboratory space for biology, physics, and anatomy. The building, however, is still able to function adequately as a classroom facility and the University proposes to repurpose the building for the Education department through a remodel that is not part of this request. The Education Building (where the Education department is currently housed) was also constructed in 1963, but originally functioned as a Religious Institute that was later acquired by the University. The University proposes to demolish this facility as the concrete floors are deteriorating and the converted space has become functionally obsolete. Finally, the 18,352 square foot Music Building, built in 1963, has also become functionally obsolete and the concrete floors are deteriorating. The University would demolish the Music Building to make room for the new Science building.

UTAH VALLEY UNIVERSITY - NEW BUSINESS SCHOOL BUILDING

Project Cost Estimates					
State Funds	Other Funds	Total Project Cost	O&M Funds		
\$56,000,000	\$14,000,000	\$70,000,000	\$1,466,913		

Project Space - Gross Square Footage				
New	Renovated	Demolished		
175,000	5,000	0		

The Woodbury School of Business offers some of the fastest growing coursework at UVU including business management, accounting, and finance. Students and faculty have gained national recognition from programs in sales, entrepreneurship, and finance. The School has out-grown its current home in one of the four original Utah Technical College buildings constructed in 1979. While the 78,000 square foot facility has been well-maintained over the years, it cannot accommodate the renovations desired to train future business leaders. The masonry building has a post-tensioned cable floor system that cannot be penetrated to run cables or make infrastructure upgrades.

A new 180,000 square foot facility will provide expanded classroom labs, office space, and specialty space for a Money Management Resource Center, an Innovations Center, a Smart Lab, a Digital Buzz Lab, a Bloomberg Lab, as well as graduate program space. Laboratories, classrooms, and shared teaching space will be used to further educate students and Utah County residents on topics such as budgeting, taxation, investments, and savings. As the existing facility is in good condition and is suitable to provide general academic classroom space, it will be retained to support other academic classrooms and offices.

SALT LAKE COMMUNITY COLLEGE - HERRIMAN CAMPUS GENERAL EDUCATION BUILDING

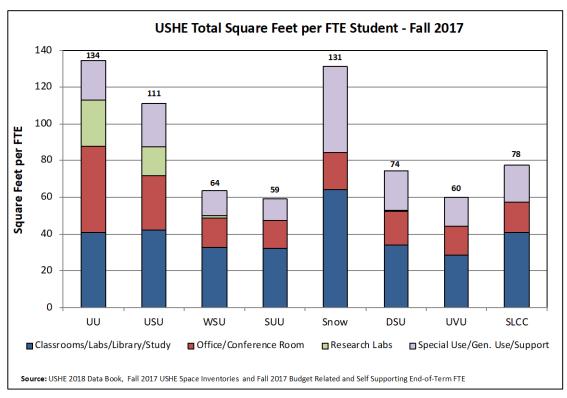
Project Cost Estimates						
Current State Funds Request	Other Funds	Total Project Cost*	O&M Funds			
\$34,279,687	\$18,400,000	\$52,679,687	\$1,067,850			

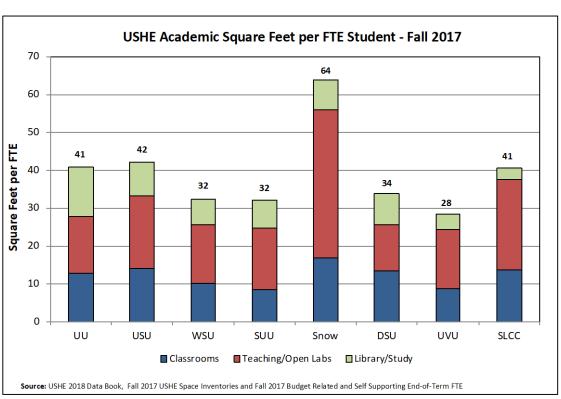
Project Space - Gross Square Footage					
New	Renovated	Demolished			
90,000	0	0			

In the 2011 General Session the Utah Legislature appropriated \$3 million to purchase 90 acres in Herriman for a future SLCC campus. The first facility built on this property will be a 90,000 square foot general education building that will serve approximately 650 FTE students. Herriman and the surrounding southwest quadrant of Salt Lake County are the fastest growing areas in the County. A physical campus in Herriman will allow SLCC to prepare students with the knowledge and skills necessary to transfer to four-year institutions and gain improved employment. SLCC is currently working with the University of Utah to offer bachelor degree programs in the proposed facility. Such offerings will provide seamless transitions between two-year and four-year degrees and make the goal of baccalaureate degree attainment even more accessible. The University of Utah will support the project with a \$5 million contribution. Targeted undergraduate degree completion programs at the SLCC Herriman Campus include: Nursing, Business Administration, Social Work, Economics, Information Systems, and Computer Science among others.

The general education building will be the cornerstone of the Herriman Campus development. Future development will accommodate increasing student population growth over the next several decades and will allow for up to 5,200 FTE students in the next half century. This property represents some of the last buildable acreage in Salt Lake County and is one of the last places that higher education institutions may build in the County.

USHE Institutional Space Charts





CAPITAL DEVELOPMENT PRIORITIZATION: SUMMARY OF SCORING POINTS FOR 2019-2020

Regent policy R741, *Capital Development Prioritization (CDP)* prescribes the process for ranking institutional state-funded capital facility requests by the Board of Regents. The prioritization process is comprised of two main components: a quantitative needs assessment made by staff at the Commissioner's Office and a qualitative appraisal by the Regents' Capital Facilities Committee.

The quantitative assessment (shown below) scores capital projects based on how well the project fills particular institutional space needs as determined by enrollment data and existing space inventories. The quantitative assessment also scores the projects based on the amount of institutional and donor funds contributed, the condition of the facility, and institutional priority. Projects receive up to 105 points for this component of the CDP.

Institutions may adjust the scope and budget for these projects as well as acquire additional donations and other funding (for scoring purposes) until September 17, 2018 when all projects must be finalized. Any changes to the scope or budget of the project after this date will need to be re-approved by both the Board of Regents and the State Building Board. Preliminary scores for the quantitative component of the CDP for the 2019-20 capital requests, subject to any changes in final numbers, are as follows:

		Project Points					
Instit- ution	Project Name	Need Analysis	Other Funds	Facility Condition	Institutional Priority	Total Score	
WSU	Noorda Engineering	43	5	9	25	82	
DSU	New Science Building	50	0	7	25	82	
UVU	Business School	47	3	0	25	75	
UU	Interdisciplinary Physical Science	39	0	10	25	74	
SUU	Technology Engineering Design	45	0	0	25	70	
SLCC	Herriman Campus General Ed.	41	4	0	25	70	
Snow	Social Science and General Ed.	37	0	6	25	68	
USU	Center Languages and Cultures	37	0	3	25	65	

LEGISLATIVE FUNDING OF USHE CAPITAL DEVELOPMENT PROJECTS 2014-2018

	Year		Funded	Funded
Institution	Funded	Building/Project	Amount	O&M
USU	2014	USU Eastern Central Instruction Building	\$19,000,000	\$328,900
USU	2014	Brigham City Regional Campus	\$7,500,000	\$365,400
WSU	2014	New Science Building	\$56,400,000	\$711,000
			\$82,900,000	\$1,405,300
UU	2015	Crocker Science Center	\$34,000,000	\$682,700
USU	2015	Clinical Services Building	\$10,000,000	\$630,500
Snow	2015	New Science Building	\$19,937,000	\$322,000
			\$63,937,000	\$1,635,200
SLCC	2016	CTE Learning Resource & Classroom Bldg.	\$42,590,500	\$1,080,500
Snow	2016	New Science Building	Building \$4,724,600	
SUU	2016	New Business Building and Repurposing	\$8,000,000	\$349,000
USU	2016	Biological Sciences Building	\$28,000,000	\$941,700
UVU	2016	Performing Arts Building	\$22,000,000	\$1,168,000
			\$105,315,100	\$3,861,200
USU	2017	Biological Sciences Building	\$10,000,000	
UVU	2017	Performing Arts Building	\$10,000,000	
UU	2017	Medical Education and Discovery Complex	\$5,000,000	\$473,400
DSU	2017	Human Performance Center	\$8,000,000	\$595,000
WSU	2017	Social Sciences Building (Lindquist Hall)	\$14,000,000	\$432,200
			\$47,000,000	\$1,500,600
UU	2018	Medical Education and Discovery Complex	\$45,000,000	
DSU	2018	Human Performance Center	\$17,000,000	
WSU	2018	Social Sciences Building (Lindquist Hall)	\$15,940,000	
USU	2018	Biological and Natural Resources Building	\$23,000,000	\$211,700
Snow	2018	Stadium and Sports Complex	\$5,000,000	
			\$105,940,000	\$211,700

CAPITAL DEVELOPMENT PRIORITY GUIDELINES FOR 2019-20

Regent Priority Points – In addition to the quantitative "Scoring Points," Regent Policy R741, *Capital Development Prioritization*, allows the Regents to award up to 25 additional points per institution to address critical USHE needs. For 2019-20, the award of Regent Priority points will be made in two steps: 1. Regent Criteria Points (up to 10 points) awarded by the full Board based on Institutional presentations and 2. Regent Discretionary Points (up to 15 points) awarded by the Capital Facilities Committee based on facility tours, institutional presentation, and capital project needs statements.

Regent Criteria Points 0-10 Points

Each institution requesting state funding consideration for a capital development project will present the project to the full Board of Regents on Thursday, September 20, 2018. Each Board member will score the presentation according to the following criteria. Board member scores will be collected anonymously and will be aggregated and averaged to produce a score for each institutional project.

Regent Discretionary Points

0-15 Points

These points are designed to position institutions to further develop and enhance their assigned missions and roles (see R741.3.4.1). Consideration will also be given to projects that directly improve performance or achieve the goals included in the *Strategic Plan 2025*. Consideration will also be given, where deemed to be appropriate, to projects with prior approved Legislative design and programming funding.

Total Regents Points

Up to 25 Points

Instructions for Regent Scoring

The following pages provide a scoring sheet for each of the eight USHE capital facility requests. Board members should score each project based on information presented by the institution in their presentation on Thursday, September 20 according to ten criteria in four categories: 1) Completion, 2) Capacity, 3) Affordability, and 4). Workforce.

Scores are made by checking the box corresponding to Full Points, Half Points, or No Points for a specific criterion. Institutions have been advised to address the criteria in their presentations in order to provide the Board with the information necessary to adequately score the projects. Board member scores will be collected anonymously and will be aggregated and averaged to produce a score for each institutional project. The Capital Facilities Committee will then use those average scores to guide them as they allocate Regent Criteria Points and Regent Discretionary Points.

Scores for Utah State University Project - Center for Languages and Cultures

Strategic Objective	Regent Criteria	Possible Points	Full Points	Half Points	No Points
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2			
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4			
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2			
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2			

Scores for Snow College – Social Science and General Education Building

Strategic Objective	Regent Criteria	Possible Points	Full Points	Half Points	No Points
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2			
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4			
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2			
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2			

Scores for Dixie State University Project – Science Building

Strategic Objective	Regent Criteria	Possible Points	Full Points	Half Points	No Points
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2			
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4			
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2			
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2			

Scores for Salt Lake Community College Project – Herriman Campus Building

Strategic Objective	Regent Criteria	Possible Points	Full Points	Half Points	No Points
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2			
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4			
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2			
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2			

Scores for Utah Valley University Project – New Business School Building

Strategic Objective	Regent Criteria	Possible Points	Full Points	Half Points	No Points
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2			
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4			
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2			
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2			

Scores for University of Utah Project - Interdisciplinary Physical Science Education and Research

Strategic Objective	Regent Criteria	Possible Points	Full Points	Half Points	No Points
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2			
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4			
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2			
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2			

Scores for Weber State University Project - Noorda Engineering and Applied Science Building

Strategic Objective	Regent Criteria	Possible Points	Full Points	Half Points	No Points
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2			
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4			
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2			
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2			

Scores for Southern Utah University Project – Technology, Engineering, and Design Building

Strategic	Possible Full Half No					
Objective	Regent Criteria	Points	Points	Points	Points	
Completion	The project will improve timely completion of students graduating with degrees and certificates.	2				
Capacity	The project will improve space utilization through the elimination of space and equipment that is functionally obsolete or will improve institutional capacity to serve growing student populations.	4				
Affordability	The project leverages cost-effective partnerships with other USHE institutions, state agencies, or other external partners.	2				
Workforce	The project addresses a time-sensitive emerging opportunity to enhance state or regional workforce needs.	2				