

Utah State University
Five Year Plan
June 23, 2011

The anticipated State Funded Capital Development projects planned for Utah State University over the next five years are listed below:

A Fine Arts Complex Addition/Renovation

The Fine Arts Complex includes the Fine Arts Center (1967), the Fine Arts Visual (1980), and the Fine Arts Museum (1982). This project consists of a comprehensive renovation of the Fine Arts Center and the Fine Arts Visual buildings and does not include the Museum. Improvements to these buildings will improve life safety, functionality, maintenance, energy efficiency and aesthetics of the space in a significant way.

The renovation will include general improvements to both buildings, including asbestos abatement, the addition of a new sprinkler system, emergency lighting and generator, ADA upgrades for restrooms and elevators, and a new security system.

The Fine Arts Center includes two major venues, the Kent Concert Hall and the Morgan Theatre. The concert hall is a high-use classroom that seats over 2,000 people, and the Morgan seats over 600 people. Both have a number of systems that are at the end of their service life. The ceilings are suspended on wire hangers that are old and do not comply with current structural standards. The catwalk system has serious safety concerns in some locations. The house light fixtures are old and difficult to maintain because spare parts are obsolete. The heating systems are inefficient because the entire building complex is served from one central system. The building controls no longer operate and need to be replaced. The stage lighting and shell needs to be replaced because of age and safety concerns.

The Fine Arts Visual renovations consist of the addition of air conditioning and other HVAC upgrades, new ceilings and lighting, and new power distribution system to handle increasing power loads.

Several small additions, including a scenery shop, elevator/restroom lobby, and black box theatre are needed to support both of the theatres in the building. The music and theatre programs will both be greatly enhanced by these improvements, and the entire campus and community will be served by increasing safety and quality of the venue.

Approximate Budget: \$ 20,300,000

B Health, Physical Education, and Recreation (HPER) Renovation/Addition

The HPER building was constructed in 1972 and was projected to support a student population of 12,000. The main purpose for the facility is to serve the instructional needs of the Emma

Eccles Jones College of Education and Human Services as it prepares students to serve in the areas of physical education, parks and recreation and other exercise careers. In addition it was intended to serve as a recreational facility for students at large. The present on-campus student population is approximately 17,000 and the existing facility is inadequate for the instructional needs of the university, much less the recreational needs of its students. Class scheduling is limited by the space available and recreational use is crowded out by class time. This project would add approximately 80,000 square feet of new space for additional classrooms and labs for exercise physiology and cardiovascular research as well as gymnasias, ball courts, weight training and instructional space for rock climbing. In addition, a number of much-needed repairs and upgrades to the existing mechanical systems will be implemented. The swimming pools have rust stains around the edges of the pools indicating that the steel reinforcing in the concrete is corroding and there is public concern about the ability to maintain a sanitary environment for students and visitors.

Approximate Budget: \$45,000,000

C Biology-Natural Resources Renovation/Addition

This project will renovate the existing Quinney Biology-Natural Resources building to address life safety concerns, replace heating ventilating and electrical systems, improve disability access and improve energy efficiency. The addition of study spaces and labs are necessary to accommodate growth within both colleges housed in the building. A study was done a few years ago to identify all the needs and the College of Natural Resources is attempting to raise part of the necessary funding from private sources.

Approximate Budget: \$45,000,000

D Animal Science Renovation

The existing Animal Science building located on the north side of the Quad is listed on the national register of historic buildings. It occupies a major presence on the Quad and has served a variety of functions throughout its life. The building is constructed of un-reinforced masonry and has concrete floors and a timber roof. The roof is structurally deficient and is not connected to the walls other than by gravity. The building has no air conditioning and occupants struggle during the summer months to keep computers operating. The open stairway is a life safety concern and needs to be addressed because in the event of a fire it would act as a chimney.

Approximate Budget: \$12,000,000

E Ray B. West Renovation

This project will renovate the historic Ray B. West Building on the south side of the Quad. This three story building is listed on the national historic register, and houses classrooms, computer labs, and faculty offices. The walls are constructed with un-reinforced masonry and the roof is timber. There is a central stairway that will act as a chimney in the event of a fire, although there are other exit stairways in the building. The heating system is old and needs to be replaced.

Approximate Budget: \$12,000,000

F USU Eastern Arts and Education Building

The USU Eastern Campus in Price proposes to construct a new 62,000 square foot building adjacent to the Geary Theater on the prominent historic site previously occupied by the Old Main Building, demolished about 10 years ago. The remodel of 8,000 square feet of space in the Career Center is also included to accommodate expansion of the nursing program.

The new building will bring together theater, music, visual arts into one facility on campus, currently spread between three buildings. This project will replace the Geary Theater and the Music Building, buildings that are aging and have significant life safety and ADA deficiencies, made more acute since these spaces function to accommodate large assemblies of people. The merging of these buildings will also allow greater energy and space efficiencies to occur. The new building will serve the campus and community by providing a high quality, safe place to accommodate the academic needs of the diverse arts program, as well as large performances and other public gatherings. The Geary Theater and the Music Building will be demolished upon completion of the project.

The project will also free up much needed expansion space for the growing nursing program, in high demand throughout the state. Remodeling costs for this space is included in the project cost.

Approximate Budget: \$22,000,000

G Brigham City Regional Campus Academic Building

Brigham City Regional Campus has recently acquired 40+ acres of new land in downtown Brigham City on which to locate its new campus. The campus is quickly outgrowing their current facility, which consists of leased commercial buildings adapted to academic use. The new land is a brownfield site, occupied by dilapidated buildings historically used as a naval hospital and Indian school. The new location is ideally situated near downtown Brigham City, with convenient and safe access from Main Street and Highway 89.

Master planning for the new campus is currently underway, and will identify the optimal site for the first building to be built. The new building will be approximately 60,000 square feet, and will

house classrooms, faculty offices, and student support spaces such as study space, food services, a bookstore, and child care. It will accommodate Phase I of the move to the new site, consisting of most of the academic program space with the exception of certain science programs that already have high quality lab space in the current facility.

Approximate Budget: \$15,000,000

H Wind Turbine Generator

A feasibility study has been conducted to explore the possibility of developing a wind power project adjacent to USU's south electrical substation at the mouth of Logan Canyon. This area of the campus has long been considered as a possibility for a wind project because of the strong regular diurnal (cold air spilling from the mountains out the canyon from evening to mid morning) wind. This USU site is a good location for construction due to its close proximity to the USU substation, which will help the economics of the project. The two year analysis of the site indicates that the average potential capacity is approximately 1.5 -2.0 megawatts of power.

More work is needed in negotiating power purchase agreements to determine the final economics of the project. The capacity factor for this project isn't high enough to justify a commercial project, but is still feasible. The wind power project offers a long-term protection from rising energy prices. The project has many other benefits for USU as well; such as marketing and recruitment, education, research, reducing carbon footprint, and meeting the American College and University Presidents Climate Commitment. This study is complete and the project is ready to move to the next step.

Approximate Budget: \$4,000,000

I Utility Tunnel Extension

This project will extend the existing tunnel system into the Quad to enable several buildings to connect to the Central Energy Plant. The benefit of this will be that the university will have a means of serving the Quad from a second direction and avoid the inconvenience and risk of a loss of heating and cooling at the wrong time of year. In the past, several buildings have been without heat for an extended period of time during the winter and the university was at risk of property damage as a result of cold weather. This is part of the long range need that was identified by an infrastructure study completed in February 2000.

Approximate Budget: \$ 5,000,000

J Tooele Regional Campus Utilities

This project would install major utility infrastructure along the edge of the new parcel of land. The first project on this site has been built, and is a shared facility with the local school district. The second building will be a new facility for Tooele Applied Technology Center (TATC), funded and scheduled for construction in 2012. The intent is that the major utility systems would be installed during the construction of this facility, to serve the campus current and future needs.

Approximate Budget: \$5,000,000

The anticipated Non-State Funded Capital Development projects planned for Utah State University over the next five years are listed below:

K Art Barn Renovation

This project proposes to restore and remodel the existing historical Art Barn to house the Anthropology Museum and a new visitor's center. The Art Barn is in the heart of campus and has housed a number of activities over the years. The building has historical significance but is in need of some life safety upgrades. There is no fire suppression system, the heating system is inadequate, the stairways are a hazard because they are exterior and are not covered from the ice in winter, the uppermost floor has only one exit through a classroom, and the restrooms in the building are inadequate. The renovation will allow the building to remain a landmark on campus, but will provide high quality space for the programs housed. It is hoped to secure private funds for the project.

Approximate Budget: \$2,500,000

L 1200 East Future Development

In 2010, the mobile home park located along 1200 East was decommissioned. This 20 acre area is positioned along the northeast edge of the campus, adjacent to student housing and in the vicinity of the athletics complex. The 1998 USU Master Plan identified this area as a residential village, to accommodate housing and supporting functions. A village commons area was suggested to provide supporting amenities, such as recreational fields, retail, and service facilities to students to enhance the living experience on campus.

In the short term, the area will remain as open space. In the future, this area will be of interest as the campus continues to grow due to its proximity to the academic core. The scope and budget of a future project has yet to be determined.

Approximate Budget: TBD

M UPR Radio Station

Utah Public Radio is currently fundraising for a new building to replace the aging WWII era Quonset hut in which the program currently resides. The Quonset hut is in very poor condition, with many life safety deficiencies. The new building will include new offices, studios, equipment rooms, and support spaces for the department. It will also plan for a future addition to house television studio and production spaces.

Approximate Budget: \$2,500,000

N Blanding Housing Project

The USU Eastern Ucp"lxcpc campus is set in a remote area in the southeast portion of the state. The campus has become an important location to serve that portion of the state, as well as other remote areas in the Four Corners region. Most of the students live on campus, as there are few other rental opportunities available in the area. The student housing is full, and there is sufficient demand to build new residence halls on campus. The project proposes to add a new residence hall on campus, providing approximately 75 new beds.

Approximate Budget: \$4,000,000