I. PURPOSE

The purpose of this document is to define the process for reserving funds for future facility planned renewal for new capital projects and to establish the process for developing a funding source for the established capital program. This funding reserve will enable the University to support the Life Cycle Renewal of new university facilities, thus reducing the future backlog of facility deferred maintenance, bolstering the reliable operation of the University’s diverse and new investment portfolio of building assets and maximizing the assets life cycle. This reserve, combined with additional Association of Physical Plant Administrators (APPA) Level 3 funding for general and preventive maintenance, will result in establishment of an acceptable level of funding for the University’s physical assets.

II. DEFINITIONS

A. Asset: Real property that the University owns, the service life of which may be materially extended by Capital Renewal. The definition of asset can be for a major building component or the building itself.

B. Asset Life Cycle: The period of time between the initial conceptual design through design, construction, operation, maintenance, renewal and ultimate disposal of an asset.

C. Capital Improvement: A process that enhances the operation, reduces the operating costs, or materially extends the service life of a facility. Capital Improvements are less significant improvements than Life Cycle Renewals but may be combined within a larger Life Cycle Renewal effort in order to achieve cost efficiency and lower the impact on the occupants and users of the facility. Facilities re-adaptations and energy efficiency retrofits are an example of a Capital Improvement project.

D. Capital Renewal Budgeting: A business process that aligns the capital asset base with the University’s programmatic and academic requirements. The process integrates financial, maintenance, facility and capital program management systems to create a comprehensive picture of the value, funding requirements, future liabilities and life cycle of the University’s assets. A Capital Renewal Budget considers three types of physical capital expenditures: expenditures related to changes in capacity or capability, functional requirements, or renewal of existing assets.

E. Capital Renewal: A building program which entails a wide assortment of major repairs to and replacement of such components as roofing, heating and cooling systems, conveying systems, other specialized building systems, structure, and the building envelope. Interior finishes replaced as part of a major repair project may also be considered for Life Cycle Renewal funding. Major renewal will be defined by investments that equal or are greater than the original investment amount of the system or component.
F. **Capital Repair**: A periodic expenditure which corrects a defect with a cost exceeding $5,000. It is expected that Capital Repair work will help extend the service life of the facility or its systems.

G. **Current Replacement Value**: The amount that an owner or insurer would have to pay to replace an asset at the present time, according to its current worth.

H. **Deferred Maintenance**: The degree to which spending on routine repair and maintenance falls below what is required to achieve the building component's intended service life.

I. **Disposal**: The process which occurs when a facility has effectively reached the end of its service life and can no longer be sustained by means of an affordable maintenance and Life Cycle Renewal effort. Disposal may involve the sale of the asset (off-campus assets) or its decommissioning and demolition.

J. **Education & General (E&G) Facilities**: Buildings that are used for instruction, research, public service, or other activities that derive from and support the University’s primary role and mission.

K. **Facilities Condition Audit**: A process which assesses a building’s structural and systems condition and assigns a condition baseline. The Facilities Condition Audit (FCA) will also be used to catalogue outstanding warranty items to be addressed prior to the one year anniversary of a new building. The University (Facilities Management Department) will resurvey and update the FCA for one-third of the campus on a rolling basis.

L. **Facility Condition Index**: The sum of the identified deficiencies (in dollars) divided by the estimated Current Replacement Value of the building. The Facility Condition Index (FCI) is used to establish priorities for project funding based on relative index value between facilities and to project the amount of reinvestment that will be required to maintain a building’s FCI at its baseline level or to reach a target index value over a prescribed investment period. It may also be used to determine if reinvestment should occur at all. FM will recalculate the FCI every three years as the cycle of updates occurs for a particular set of assigned buildings.

M. **Life Cycle Renewal**: The final step in a maintenance program, which has enabled the most cost effective use of a facility. Life Cycle Renewal usually applies to the base components of a facility, not to the replacement of the entire facility.

N. **Non-Education & General (non-E&G Facilities)**: Auxiliary or other University facilities whose primary purpose is not instruction or research and whose activities are not funded by state dollars.

O. **Obsolescence**: A loss in value due to reduced desirability and usefulness of a facility resulting from outdated design and construction.

P. **Planned Maintenance**: A process that improves or preserves the appearance and functionality of an asset and is performed at planned intervals and is normally funded by the operating budget.

Q. **Preventive Maintenance**: A process that is performed on an asset to support continuing operation at its optimum efficiency. Preventive maintenance work must be completed at regular intervals; if neglected, dramatic and costly asset failures may result.
R. **Renewal Set Aside:** An initial annual amount equal to 3% of the Current Replacement Value of a building except for parking structures which will be 1%. This amount will be reevaluated at minimum every three years as part of the Facilities Condition Audit cycle for assigned facilities.

S. **Repair Work:** A process that restores to operation a building component that has failed. Repairs typically do not significantly extend the expected service life of the building.

T. **Total Project Cost:** The total sum required to construct a new building or major renovation, or to repair or procure a major building component, inclusive of feasibility studies, design and engineering fees, testing fees, bond and insurance costs, reimbursable expenses, administrative costs, project contingency, and closeout costs. The cost of a project’s initial FCA shall be included within the Total Project Cost.

### III. CAPITAL RENEWAL REQUIREMENTS

A. **Facilities Condition Audit**

All new facilities will be required, in the ninth month post substantial completion, to undergo an independent, third-party Facilities Condition Audit (FCA) in order to identify any warranty issues that may exist prior to the expiration of the warranty period, as well as to establish a baseline capital plan in order to effectively plan for annual and ongoing needs. This FCA process will be conducted by Facilities Management (FM) in partnership with the initial Facilities Planning and Construction (FPC) project manager. The initial FCA will be included in the Total Project Cost and funded by the project. Any issues found during the FCA process will be communicated by Facilities Management to the FPC project manager. Resolution of the new construction issues will remain the responsibility of Facilities Planning and Construction.

The most current FCA baseline data will be updated on existing facilities on a rolling basis every three (3) years with the entire campus being updated every nine (9) years. Updates made to existing FCA datasets from all funded renewal and capital projects (as reported to the Texas Higher Education Coordinating Board - THECB) will be entered into the current database annually.

B. **Renewal Program Management**

Renewal is a core component of a strategic facilities plan. Given the finite amount of life cycle renewal funds available, these funds are directed only to projects of highest priority. Using the most current FCA baseline data, FM will prioritize the renewal needs utilizing the following categories of needs:

1. Critical Life Safety – Current Year
2. Almost Critical – 1 to 2 Years
3. Necessary – 2 to 5 Years
4. Planned Maintenance – 5 to 30 Years

C. **Business Plan Requirements**

1. **Non-Education and General Space:** The owner of the proposed building or building being considered for renovation must submit a business pro forma to the
Office of Finance for review. The pro forma must include an expense line item for a Capital Renewal set aside to accumulate funds for future capital repair or life cycle renewal. The project’s identified available funds after meeting Total Project Cost expenses and renewal set aside must be sufficient to pay the debt service (if applicable) plus a 15% cushion.

2. **Education and General Space**: For E&G Spaces, the University is considered the building owner. On new construction or renovation of Education & General facilities in which the State of Texas is appropriating all of the debt service, neither a business pro forma nor the 15% identified available funds cushion is applicable. However, a Capital Renewal set aside is applicable to these projects and will be included in the annual capital renewal budgeting process of the University.

3. Facilities Management will utilize the FCA data to present annual recommendations of renovation project needs to the University executive leadership for funding consideration during the annual budget process. FM will also issue an annual report to the University community on Renewal Funding.

D. **Renewal Set Aside Funds Management**

As part of its annual budget process, each owner of a non-E&G facility will include a budget line item for a Capital Renewal set aside. The renewal set aside for Education & General facilities must also be budgeted for in the annual University capital renewal budgeting process. At the beginning of each fiscal year, the Budget Office will transfer the renewal set aside amount for each project subject to this policy to a unique ledger cost center under the management of the Office of Finance. Auxiliary Funds will be reserved in a pooled fund unique to the category of facility to support new space capital planning (housing, food service, parking, etc.) so multiple reserve cost centers will exist. Funding will be prioritized according to the category of need and all capital plans and access to these funds will require University Chief Financial Officer approval.

E. **Access to Renewal Set Aside Funds**

Funds set aside for renewal of facilities and systems shall not be used for an initial period of five years. After five years, the building owner may request to use the funds for renewal needs (not repairs). If renewal set aside funds are expected to pay for the Capital Improvement, the owner shall include this as a funding source on the project request to the Executive Director for Facilities Management or his/her designee. Facilities Management will develop guidelines as to the form of the request and will evaluate the project for appropriateness. Facilities Management will then work with each division to establish a five-year target plan inclusive of the proposed Capital Improvement, as well as an annual capital plan. Upon recommendation of FM and approval of the requesting division’s Vice President, the project may be approved and copies of plans will be sent to the Executive Vice President for Administration and Finance.

F. **Life Cycle Renewal Plan**

From the FCA performed nine months after building substantial completion, a specific Life Cycle Renewal plan will be established for the facility. The plan will be based on strategic asset management reviews, planned use, the validated condition of the building, and input from the users and operating staff of the facility. This plan will form part of the campus-wide integrated facilities management plan and will ensure that the building Life
Cycle Renewal program is documented and can be implemented in accordance with University priorities.

G. Facility Obsolescence, Re-Adaptation or Disposal

A time is reached eventually in the life of the facility asset when it is not practicable to continue investing capital funds in the asset. Increased maintenance and repair (patching) is typically then implemented to keep the facility operational until the services supported by the asset can be relocated. With the onset of obsolescence, no further investments should be made pending asset disposal.

In the case of real property, the requirement for disposal is signaled by a disproportionate or excessive FCI and/or a threshold cost to address capital needs that are normally greater than 40-50 percent of the Current Replacement Value of the facility. Disposal will be considered in the event that continued operation of the facility presents an unacceptable financial and liability risk to the University. The recommendation of investment, full investment and re-adaptation, limited investment, or non-investment and disposal will be made by Facilities Management to the University’s executive leadership team during the annual capital planning process.

The final decision will be managed and documented as part of the capital planning process and will become documented in the five year plan in which the decision and investment or decommissioning/demolition is to occur.

IV. CAPITAL RENEWAL REPORTING

Annual capital renewal projects funded will be reported by Facilities Management to the executive leadership team.

V. REVIEW AND RESPONSIBILITY

Responsible Party:  
Associate Vice President for Finance

Associate Vice President for Administration

Review:  
Every three years on or before July 31
VI. APPROVAL

Raymond Bartlett
Associate Vice President for Finance

Emily Messa
Associate Vice President for Administration

Carl Carlucci
Executive Vice President for Administration and Finance

Renu Khator
President

Date of President’s Approval: March 9, 2015

REVISION LOG

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