2020 - 2030
USF Master Plan Updates

Evaluation & Appraisal Report

UNIVERSITY OF SOUTH FLORIDA

TAMPA CAMPUS

2020-2030 USF - Tampa Campus Master Plan Update
Evaluation and Appraisal Report

Element 4: Future Land Use.

Goal 1: The Future Land Use goal of the Tampa Campus Master Plan is to clarify and strengthen the established campus land use pattern and improve the relationship between land uses on and off the campus. (See Figures 4-1, 10 Year Campus Master Plan Concept)

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Objective 4.1	Ensure more effective use of land and containment of walking distances in the academic/residential core through higher density development and infill. Concentrate program expansion in existing land use districts. Abide by the recommended minimum, and where indicated maximum, build out and Floor Area Ratio (FAR) limits for each land use district as described and illustrated in this plan element and the USF Design and Construction Guidelines.		x				Floor Area Ratio (FAR)
Policy 4.1.1	The University shall abide by the land use districts as described and illustrated in this plan element in locating facilities, to maintain compatibility of uses, to maintain efficient use of the land resource, and to reduce distance and improve quality of connections between functions so as to reduce vehicle use on campus by encouraging non-vehicular circulation – walking and bicycling – and shared shuttle and potential tram access. Further, the adoption of land use/density districts as described herein will guide the concentration of academic and residential expansion within existing use districts. The maximum allowable intensity of development for each respective district shall be the "recommended maximum build out" for the eight land use districts as indicated in this element. The "mix" of allowable land uses for each respective district shall be as specified for the districts in this element. It is expressly clear and understood that district densities are recommendations. Any calculations for determining threshold changes per s. 1013.30(9), F.S., will be based on total campus density or impact.		x		An amendment to a campus master plan must be reviewed and adopted under subsections (6)-(8) if such amendment exceed 10% land development. We currently do not exceed 10%.		
Policy 4.1.2	The University shall abide by land management procedures to ensure careful use of the University's existing land resources. Those procedures shall consist of the application of policy actions as described in Element 4, *Future Land Use* policies, and will be administered by the Office of Facilities Management.		x				Office of Facilities Management
Policy 4.1.3	Minimum new campus building heights are 3 stories or more unless granted exception from the University President. New buildings shall be designed to a maximum practical height in order to meet program requirements in order to preserve campus land for potential future expansion and to reduce pedestrian walking distances.		x		For smaller, outdoor field facilities, they would be 1-story - ie- restrooms		Future Football Operations building and Tennis Complex are planned to be 2 stories.
Policy 4.1.4	Edge of buildings should be setback from roadway center line no less than seventy-five feet (75'). The policy extends to all new construction on sub-leased lands unless granted exception from the University President.		x				(75') add: unless granted exception from the University President
Policy 4.1.5	Building setbacks from USF property lines and sublease lines shall be no less than thirty feet (30') unless granted exception from the University President.		x				thirty feet
Policy 4.1.6	All temporary structures are inefficient in terms of land use, energy consumption, and maintenance funds, and create potential risks in the event of a hurricane or other natural disaster. The University shall remove all occupied and unoccupied temporary buildings as soon as practical. Installation of additional units shall be prohibited, except on an emergency basis with removal dates and costs prescribed and monitored.		x		Moffitt temporary structures removed / doesn't includen Riverfront Park structures.		All temporary structures
Policy 4.1.7	The University shall assess the appropriate location for unforeseen functions or land uses that may arise from grant awards or other unanticipated circumstances by comparing those unforeseen uses with the uses and 10-year density guidelines set forth for land use districts in this plan element. Upon the determination of appropriate location and consistency with adjacent programs, open space and circulation functions, and density guidelines, the University will undertake pre-planning and site planning studies. In the event that the appropriateness is in question, the subject use will be submitted for review under the procedures of Policy 4.9.2 below.		x		Wellness as example		update committee(s) on 4.9.2
Policy 4.1.8	The University shall concentrate academic and residential program expansion in their respective Land Use districts as shown in Figure 4-4, 10 Year Campus Land Use Districts.		x				
Policy 4.1.9	The University shall, through its monitoring and management of future development, ensure that the amount of future development within each land use district will meet the capacities identified in Table 4.1 in this element.		x				remove "or exceed"
Objective 4.2	Preserve and protect existing natural resource areas including Lake Behnke, located along Bruce B. Downs Boulevard, the wetland area at the corner of Fletcher Avenue and 50th Street and the 735-acre USF Forest Preserve north of Fletcher Avenue, The Claw, USF Riverfront Park, and Geopark.						add: "The Claw, USF Riverfront Park, and Geopark"
Policy 4.2.1	The University shall protect natural resources in three ways:						
	• The USF Forest Preserve shall not be developed.		x				REC: Possible man-made natural path bridge adjoining the CLAW and future development thereof, and Riverfront park
	• The University shall adhere to Element 8, *Conservation* policies regarding environmental management, and shall require adherence to these standards by all parties performing design and construction of facilities on University property.		x				
	• Open spaces within land use districts shall be preserved in accordance with provisions in Element 9, *Recreation and Open Space*.		x				
Objective 4.3	Identify, evaluate, and protect historically significant cultural, architectural, and archaeological resources that are known or may be discovered on the Tampa campus.						

Policy 4.3.1	The University shall maintain an inventory and evaluation of all archaeological and historic properties under University ownership that have been determined by professional architectural historian or preservation planner to qualify for the National Register of Historic Places. Buildings that have not yet been reviewed, but appear to the University Office of Facilities Management to qualify for the National Register of Historic Places shall be identified for potential evaluation.		x		as projects come up		no bldg has been identified as historically significant
Policy 4.3.2	The University shall identify campus buildings which will reach the 50-year threshold for "historical resource" during the 10 year planning timeframe of the Campus Master Plan. In respect of the possibility that such a building may come under consideration for demolition, renovation, or addition, the University will endeavor to assess such building for its historical and architectural significance prior to a building's reaching 50 years of age for consideration in the decision of the University to demolish.			x			no bldg has been identified as historically significant
Policy 4.3.3	The University shall consult and coordinate with the Department of State's Division of Historical Resources prior to any land clearing, ground disturbing, or rehabilitation activities which may disturb or otherwise affect any property which is included, or eligible for inclusion, in the National Register of Historic Places.		x				
Policy 4.3.4	The University shall consider the effects of such an undertaking identified in Policy 4.3.2 above on any historic property that is included on the National Register for Historic Places. The University shall afford the State Division of Historical Resources a reasonable opportunity to comment on such an undertaking.		x				
Policy 4.3.5	Prior to a historic property or site that is on the Historic Registry being demolished or substantially altered in a way that adversely affects its character, form integrity or archaeological or historical value, the University shall consult with the Department of State's Division of Historical. Resources to avoid or mitigate any adverse impacts, or to undertake any appropriate archaeological salvage excavation or recovery action.		x				
Policy 4.3.6	In cases where avoidance or mitigation strategies are not feasible, the University shall submit for permit through the State Division of Historical Resources to undertake Phase III recovery prior to disturbing any site identified as significant in the State File.		x				
Objective 4.4	Continue to implement, enhance and maintain the Greenway as a natural and cultural resource on the						
Policy 4.4.1	The University shall protect existing natural resources by designating the Greenway area (which contains most of the significant natural resources of the main campus) as a separate and distinct land use district, within which:		x				
	• No new buildings will be constructed except those which support recreational activities, i.e., restrooms, natural and cultural resource interpretive activities, such as the Botanical Garden or those which serve sound stormwater management practices.		x				remove Arboretum facilities
	• Existing paved parking and vehicular circulation functions, except those that traverse the Greenway as part of the campus loop road system, will be removed as replacement facilities are developed. Emergency and maintenance vehicular access will be provided through pedestrian facilities designed to accommodate vehicular weight and movement.		x				
	• Planting and reclamation of native plant and Florida-friendly plants communities will be undertaken.		x				add Florida-friendly plants
	• The creation of wet and dry retention/detention facilities will be undertaken to provide for the stormwater management needs as generated by the projected land use development.		x				
Policy 4.4.2	The University shall abide by the delineation of the Greenway Corridor as identified in Figure 4-6, Encumbrances, Leases, Subleases, and Easements to:		x				
	• Establish a primarily permeable landscape corridor		x				
	• Reduce heat island effect		x				
	• Maintain a strong complement to the developed sectors of the campus; and		x				
	• Ensure the capacity to provide for and make visible stormwater management treatment. A definitive stormwater management plan will continue to be maintained to accommodate campus stormwater needs within the Greenway area and throughout campus lands.		x				
Policy 4.4.3	The University shall undertake phased implementation of a campus wide Florida-friendly landscape, administered through expanded facilities located near the current site at Lake Behnke. Initial expansion shall focus on Greenway implementation, but shall also include localized quadrangles and courtyards as opportunities arise.			x			remove Arboretum
Policy 4.4.4	The University shall encourage student and community engagement with the Greenway through implementation of educational, research, and informal recreational opportunities within the Greenway and activation of the edges through priority siting of building facilities such as housing, arts, recreation, student life, and dining at its edges.		x				
Policy 4.4.5	The University shall seek to maximize the benefits of "identity" and "wayfinding" gained through implementation of the Greenway as a visually strong and distinct element in the campus framework.		x				
Objective 4.5	Preserve and amend existing street and major utility corridors to ensure adequate utility access compatible with implementation of planned development, open space framework, and non-vehicular circulation.						
Policy 4.5.1	The face of all future buildings shall be set back at least seventy-five (75) feet from the adjacent roadway center line (as illustrated in Figure 4-7, Build to Framework. This policy shall extend to new construction on sub leased lands shown in Figure 4-5.		x				Figure 4-7 Build-to-Framework
Policy 4.5.2	The University shall preserve existing street corridors for circulation and open space use. In support of sustainable planning principles a more pedestrian dominated core, improved campus wayfinding, and increased pedestrian, bicycle and vehicular safety, roadway modifications are recommended, as follows:						
	• The campus loop road system shall be modified to establish stronger visual and physical connections, with greater pedestrian safety, between housing areas north of Holly and campus areas south of USF East Holly by closing the section of USF East Holly extending east of the Crescent Garage to west of Maple Hall B to regular vehicular traffic and limiting this section of the corridor to pedestrian, bicycle, Bull Runner, emergency, and service access (special allowances lifting restrictions during move-in, move-out periods shall be permitted).		x		phase 2 of 3 is complete of Laurel Drive extension		USF Holly would close at completion of phase 3 of Laurel Drive extension

	• The modified primary internal campus loop road shall divert vehicular traffic from USF East Holly to a proposed extended USF Dogwood Drive to USF Genshaft Drive. This new road is expected to be developed as part of the Andros redevelopment project and include a connection to Fletcher Ave. and 46th St.		x				
	• Leroy Collins shall be modified to reduce vehicular-pedestrian conflict and become primarily ceremonial drive north of Alumni Drive. Primary modifications include: termination of roadway just south of Sessums Mall to allow free pedestrian flow east to west on Sessums; and reduction in traffic accessing parking areas including surface lots and rerouting Collins Garage traffic to USF Willow.		x				consider revising wording
	• USF Apple Drive on the north side of the Library will be discontinued for vehicular access to complete the east-west Sessums pedestrian mall but will continue to be used for service and emergency access.		x				
	• Various access driveways to parking and other destinations on the campus may be altered or realigned in conjunction with development projects.		x				
Objective 4.6	Ensure that future land uses are compatible with and appropriate to topographic and soil conditions on campus.						
Policy 4.6.1	The University shall, through the Office of Facilities Management, maintain its regular procedure of assessing the suitability of development sites relative to topography, soil condition (including the presence of sink holes), drainage, utility and infrastructure connections, and vehicular and service access and program affinities as part of the initial pre-planning and siting studies for individual projects as those projects are brought into implementation. USF shall require the integration of natural topographic and other features in project designs in order to develop the campus in harmony with its natural environment.		x				Office of Facilities Management
Policy 4.6.2	The University, through the Office of Facilities Management, shall maintain existing soil data and topographic conditions, which shall be updated as additional data developed for future construction projects becomes available.		x				Office of Facilities Management
Policy 4.6.3	Deleted		x		USF Design Guidelines		remove: *As part of the design process for any programmed improvement (major project) and prior to approval and acceptance of the design by the University, USF shall require that geotechnical testing be conducted to determine relevant soil characteristics of the site and to ensure that the design reflects consideration of these conditions.*
Policy 4.6.4	The University shall ensure that appropriate methods of controlling soil erosion and sedimentation intended to minimize the destruction of soil resources and reduce impact on adjacent watersheds and storm management facilities shall be used throughout site development and shall ensure protection in final state following implementation. Such methods shall include, but not be limited to:		x				is this included in USF Design Guidelines
	• Phasing and limiting the removal of vegetation;		x				
	• Minimizing the amount of land area that is cleared;		x				
	• Limiting the amount of time bare soil is exposed to rainfall;		x				
	• Use of temporary ground cover on cleared areas if construction is not imminent;		x				
	• Protection of drains, watersheds, and stormwater facilities during construction;		x				
	• Special consideration given to maintaining vegetative cover on areas of high soil erosion potential (i.e., steep or long slopes, banks of streams, stormwater conveyances, etc.).		x				
	• For any land disturbance considered for Lot 32 or the land immediately north of Lot 32 including certain areas of the Moffitt Sub-lease, see **Appendix D**, Moffitt Oil Spill for Petroleum Discharge Resolution of Petroleum Discharge at the H. Lee Moffitt Cancer Center restrictions.		x				
Objective 4.7	Ensure that the development of future land uses takes place in a way that is coordinated with the availability of adequate facilities and services to support the uses. This includes establishing appropriate location and adequate area set asides to accommodate utility requirements necessary for serving the estimated 10-year development, and implementing utility extensions in cost-effective increments.						
Policy 4.7.1	Each development project representing a change in the amount of impervious surface will be measured to assess the effect it will have on stormwater detention capacity on an east and west basin approach.		x				
Policy 4.7.2	The University shall, preserve the existing operations/maintenance area north of Holly Drive for future operation expansion adequate to serve utility needs of future land use development.		x				
Policy 4.7.3	The University shall, through the Office of Facilities Management, coordinate future land uses with the availability of facilities and services to ensure that utilities and infrastructure needed to support future development are available at adopted levels of service, consistent with the concurrency provisions contained in s. 1013.30, F.S. The Office of Facilities Management shall review and evaluate all future construction projects to ensure that adequate provisions for infrastructure and utilities have been incorporated into the design by documenting:		x				Office of Facilities Management
	• The provision and maintenance of necessary utility easements, corridors, and points of connection.		x				
	• The provision of adequate supply lines to accommodate future development and facility expansion.		x				
	• The provision of open space, safe convenient pedestrian and bicycle circulation, vehicular traffic flow, and parking at established levels of service consistent with the 10 year Master Plan.		x				
Objective 4.8	Ensure that measures can be undertaken to minimize or avoid off-campus constraints to campus development and to minimize or avoid conflicts of campus development within the context area. Accordingly, the density and scale of development on the campus properties should be compatible with the adjacent off-campus uses.						
Policy 4.8.1	Through inter-local agreements and memoranda of understanding, the University shall work with the host community to minimize both campus conflicts with the host community land uses within the context area and off-campus constraints that may limit future development on the campus.		x				REC: installation of fencing for field spaces to support this item is needed
Policy 4.8.2	The University shall maintain and refine the existing procedural model for review and monitoring of growth and change in land use, and continue to use such model as a monitoring and coordinating measure with the host communities (see also Element 10, Intergovernmental Coordination).		x				

Policy 4.8.3	The University shall, through the Office of Facilities Management, include in its project and site suitability assessments an evaluation of the relationship of the project to on-campus and off-campus development constraints, conflicts, or limits vis-à-vis multimodal circulation, infrastructure, open space, and stormwater management.		x				
Policy 4.8.4	Where the acquisition of additional land is necessary for continued growth and expansion, the University shall coordinate with the appropriate local government on any required amendment to the local government's Comprehensive Plan.		x				
Policy 4.8.5	Proposed amendments to the adopted campus master plan which do not exceed the thresholds established in s.1013.30, F.S., and which have the effect of changing land use designations or classifications, or impacting off-campus facilities, services or resources, shall be submitted to the host local government for a courtesy review.		x				
Policy 4.8.6	The University shall participate with the City of Tampa in the reciprocal review of plans and development proposals, consistent with provisions established in Element 10, *Intergovernmental Coordination*.		x				
Policy 4.8.7	The University shall ensure that uses at the edges of the campus are compatible with off-campus uses by:						
	• Maintaining the use and density levels for the land use districts described and illustrated in this element to the degree that they define use patterns that are compatible with the offcampus medical, residential and commercial uses on the west side of Bruce B. Downs Boulevard and the north side of Fletcher Avenue.		x				
	• Accommodating uses of compatible density and compatible building heights adjacent to the 50th Street residential units.		x				
	• Providing park-like open space with views of the campus from Fowler Avenue, and landscaped street edges on all sides of the campus.		x				
	• Building setbacks from campus property lines will be a minimum of thirty feet (30').		x				
Policy 4.8.8	The University shall coordinate through the Office of Facilities Management with the City of Tampa, City of Temple Terrace, Hillsborough County and FDOT to construct pedestrian/bicycle linkages between USF and adjacent neighborhoods and edge conditions.		x				Office of Facilities Management
Policy 4.8.9	Storage and non-vehicle trip generating support space shall be allowed at the Golf Course and Riverfront Park.		x				REC: TBD, especially with recent discussions for redevelopment of the golf course
Objective 4.9	Ensure that incompatible use relationships are eliminated or mitigated in the event that such incompatibilities exist or arise.						
Policy 4.9.1	The University shall, through the Office of Facilities Management, undertake an annual review of the schedule of capital improvements to ensure that the capital improvements are consistent with the land use and development factors as described in this plan element and that such improvements are acknowledged in the periodic review set forth in Policy 4.9.2.		x				Office of Facilities Management
Policy 4.9.2	The University's Campus Development Committee (CDC) and Strategic Initiatives Committee shall periodically review the status of land use and facilities program development on the campus, including projects and grant award opportunities that are currently unforeseen. The committee shall identify trends or needs for change in use patterns, density, program affinities and relationships to open space, circulation and utility patterns that might affect the land use plan, and determine whether such circumstances should be corrected to maintain the integrity of the land use plan and constraining factors, or cause the plan to be altered or amended to reflect valid needs. The committee will report its periodic findings to the president and recommend circumstances when and by which amendment of the adopted Campus Master Plan may be merited, or where projects should be limited or amended.		x				Strategic Initiatives Committee / Work Group change to committee
Policy 4.9.3	In the pursuit of Policy 4.9.2 above, the University shall identify any circumstance whereby future land acquisition may be necessary or appropriate to accommodate currently unforeseen development projects or strategies (such as remote parking, grant opportunities, utility corridors, etc.), and shall determine the appropriate timetable, funding, and development coordination measures associated with the prospective acquisition. Similar measures will be applied in the event of any circumstance calling for the sublease of University land to others.		x				
Policy 4.9.4	Campus Master Plan amendments that, alone or in conjunction with other amendments, exceed thresholds established in s. 1013.30(9), F.S., shall be reviewed and adopted under the provisions of s. 1013.30(6), F.S.		x				

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Element 5: Transportation.

Goal 1: The Transit, Circulation, and Parking goal of the Tampa Campus Master Plan is to encourage options for sustainable transit and vehicular access to the campus that reduce reliance on single-occupant vehicles, reduce overall parking demand, and minimize emissions and fossil fuel consumption, while maintaining essential delivery and service access.

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Sub Element 5.1	Vehicular Traffic and Transit Sub-Element						
Objective 5.1.1	Reduce the impacts on-campus of future vehicular traffic generated by the 10-year master plan, especially at peak hours.				SOV mode share continues to be high		Many efforts have been undertaken and should be continued and reinforced by complementary actions
Policy 5.1.1.1 (on campus)	The University shall continue to construct additional on-campus housing as marketing and financial opportunities are available. This housing will reduce both internal and external traffic generation, especially at peak hours.		X		P3		
Policy 5.1.1.2 (off campus)	The University shall continue to explore off-campus cooperative park-and-ride arrangements, such as use of parking at Rithm at Uptown, where USF technology labs will be located.			X			PATS: No future plans for off campus parking. CUTR: Opportunities include Rithm at Uptown, Hidden River park-n-ride, Wesley Chapel park-n-ride / revise wording
Policy 5.1.1.3 (off campus)	The University shall continue to provide, promote, and evaluate:		X		COVID-19 forced the University to adopt more telework and online instruction than was originally promoted.		CURT: Recommend separating out distance learning, telecommuting, and compressed work week into three separate policies because they target different users and function differently. A fourth is staggered start times.
	• use of distance learning to reduce the need of students to commute to the University campus;						
	• use of telecommuting by staff and faculty to reduce the need to commute to the University campus;						
	• use of compressed work week by staff to reduce the need to commute to the University campus; and						
	• use of staggered class scheduling for students and staggered work day start times for staff, to reduce peak. hour traffic.						
Policy 5.1.1.4 (on campus)	The University shall evaluate and implement, as appropriate, opportunities of incorporating secure, covered bicycle parking within the proposed parking structures to encourage the use of transit, carpooling, and bicycling.		X		Bicycle parking within many parking garages are well used.		CUTR: Conduct bicycle parking utilization assessment. Where parking is not used, it may be a placement issue rather than a lack of demand for bike parking.
Policy 5.1.1.5	The University shall decrease the volume of traffic on the interior and loop roads of the campus by limiting interior parking and connecting periphery parking to the rest of the campus with Bull Runner service.		X				CUTR: Suggest that this be broken out into two separate objectives. Construction of new parking garage should be last resort. Need updated parking lot utilization study. Parking permit pricing schedule could be refined accordingly to maximize use of peripheral lots.
Policy 5.1.1.6	The University shall analyze and implement as appropriate, techniques such as technology to govern parking spaces and better utilize existing and future resources. Such techniques may include transportable variable message signs to facilitate traffic flow.		X		student government recently expressed renewed interest in a parking guidance system. Technologies and pricing may have changed since last reviewed in 2012.		**Revise to**: The University shall analyze and implement as appropriate, techniques such as parking guidance ~~computerized~~ technology to govern parking spaces and better utilize existing and future resources. Such techniques may include~~revenue access control systems and~~ transportable variable message signs to facilitate traffic flow. CUTR: City of Tampa recently completed a parking study and is exploring a parking management system. A SGEF study for a parking guidance system was conducted in 2012. Recommendations were rejected by the SGEF Council primarily because the people on the Council were different from the ones serving when the study began. UP: Additional Message Boards, Phone Apps to identify parking availability.
Policy 5.1.1.7	The University shall review and revise class scheduling policies to achieve greater balance in daily and weekly class schedules and reduce peak demands on the campus transportation systems associated with student arrival and dismissal.		X				Indirectly due to shift in classroom usage
Objective 5.1.2	Reduce the impacts off-campus of future traffic generated by the 10-year master plan.				SOV mode share continues to be high		Achieving this strategy can save USF money and create conditions for a world-class campus environment as reduced off-campus impacts also reduce on-campus impacts. Much potential for gains in safety and collaborative placemaking with government and community partners.

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Element 6: Housing

Goal 1: The Housing goal of the Tampa Campus Master Plan is to encourage the availability of diverse, safe, affordable housing opportunities for students on and in the vicinity of the campus in support of the educational success, personal development, and social experience of all University students.

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Objective 6.1	Provide up to approximately 3,526 net new undergraduate and graduate student beds in on-campus residence facilities over the next 10 years. In addition, replace 1,036 beds lost to proposed demolition and redevelopment of Andros Complex site. Endeavor to achieve and maintain The Carnegie Foundation for Advancement of Teaching classification as a "L4/R/Large Four Year, Primarily Residential" school.						For Tampa Housing: 3,526 new beds over 10 year projection including replacement of 1,000 beds from Andros for a net gain of approximately 2,526 new beds. After P3 (1927) that leaves a balance of 599 new beds. We will confirm these numbers and revise if appropriate.
Policy 6.1.1	The University shall locate such new housing as is determined to be financially feasible in Land Use Districts 4 and 5 (Student Housing East and West) as delineated in Figure 4-4, 10-Year Campus Land Use Districts, Element 4, Future Land Use.		x				
Policy 6.1.2	Building locations indicated in Figure 4-1. Any location changes shall be effected by approval of the USF Board of Trustees without a Campus Master Plan amendment, provided that the project supports the primary land use function and is consistent with Figure 4-4, 10 Year Campus Land Use Districts, and Tables 4.1 and 4-3 included in Element 4, Future Land Use, as well as with the Campus Development Agreement with the City of Tampa.		x				
Policy 6.1.3	The University shall, through this Master Plan Update and USF Design and Construction Guidelines (http://www.usf.edu/administrative-services/facilities-planning/guidelines-standards/index.aspx), specify that new construction or renovation of housing and support facilities be designed to reinforce and enhance the spatial order and coherence of the campus, thus lending to a sense of continuity and unity in the development of the campus. Additionally, housing and support facilities shall be located – and entries, views, public spaces oriented – in a way that engages and activates adjacent spaces such as the Greenway, framed residential quadrangles and courtyards, and circulation routes such as Sessums Mall to encourage more vibrant community engagement in these spaces.		x				remove date 2015
Objective 6.2	Provide the land area and infrastructure to accommodate development of a student organization community facility in support of student organization housing over the next 10 years.						
Policy 6.2.1	During the next 10 years, the University shall seek to enable development of a student organization residential community facility available to student organizations in the area of the Greek Village. Such construction will be subject to USF Design and Construction Guidelines.		x				An update regarding the 6.2.1 reference to a Community Center at the Greek Village. While I would like to keep the space reserved for that purpose on the Tampa Master Plan, we will not be moving forward with that project within the next ten years.
Objective. 6.3	Continue to improve the environment and coherence of the existing Andros and Magnolia residential areas by continued inf of new residence facilities forming residential courtyards; by taking advantage of existing and planned open space amenitie such as the Greenway edge, by minimizing vehicular circulation and surface parking obstructions in the housing environment, and by improvements to existing housing facilities.						
Policy 6.3.1	The University shall study the feasibility and proforma for providing additional new student beds with the first two phases proposed for construction in the five year planning time frame in the former Andros area, the area north of Holly and between USF North Palm and USF Genshaft Dr. Support areas for Dining, Campus Recreation, and a small grocery facility may be included with the project.	x					revise to include phase 3? change Maple to Genshaft / Publix
Policy 6.3.2	The University shall vacate the section of Holly Drive located between Myrtle Drive (east of Crescent Garage) and the existing small parking area just west of Maple Hall 'B' and reconfigure this roadway cross section as a pedestrian/bicycle corridor to strengthen connection between housing area north of Holly and housing to the south as well as the campus at large, improve safety, and establish greater open space amenity value for existing housing along Holly Drive. (See also Element 5, Transportation.)		x		complete 2 of 3 phases		
Objective 6.4	Monitor and track improved and expanded off-campus housing opportunities in close proximity to the University in order to create an integrated community.						
Policy 6.4.1	The University shall:						
	• Monitor the supply, costs, and suitability of off-campus housing;		x				
	• Monitor factors pertaining to safety, transit utilization, pedestrian and bicycle access;		x				
	•Track the development of diverse new off-campus student and faculty oriented housing within walking, bicycling, and transi distance to the campus;		x				
	• Promote the location of convenient service, transit, and shopping opportunities for students near off-campus student-oriented housing units;		x				not sure if this has been done? Thru FM

Objective 6.5	Provide residential support services commensurate with any increase in the on-campus housing stock.						
Policy 6.5.1	The University shall provide enhanced support facilities for campus Housing and Student Support Service, including expansion of programs to accommodate student activities, food service, cultural events, recreation facilities, adequate residential parking, improved bicycle and pedestrian connections, large group interior and exterior gathering space, and dining in existing and/or new complexes as determined to best serve the expanded residential program.		x				REC: Andros tennis courts to turn into beach volleyball center. Housing: Lot 56 future housing development. Discuss impact on surrounding areas. MSC: I am in conversations with facilities about the possibilities of MSC expansion to accommodate additional large group gathering and dining space on campus. Add "retail"
Policy 6.5.2	The University shall endeavor to create socially active residential environments that are compatible with the campus context. Housing shall be sited to maximize opportunities for visual connection and physical access to attractive campus amenities. This includes the creation of usable, pleasant outdoor spaces that are regionally appropriate in design, including frontage and views to an implemented and/or planned Greenway and campus open space system, as well as quality pedestrian and bicycle connections to campus areas.		x				
Objective 6.6:	Eliminate substandard student housing and provide necessary structural, mechanical, aesthetic and safety improvements.						When we have the opportunity and finances to build again, other projects will take priority. This would include the redevelopment of the Argos area (Beta, Castor, Kosove, Argos Center).
Policy 6.6.1	The University shall continue to monitor the existing housing stock on-campus and continue the capital upgrading plan to eliminate or upgrade substandard units. Where necessary, improvements shall be made to overcome structural, mechanical, accessibility, aesthetic and safety deficiencies. Plumbing and HVAC systems shall be inspected on a periodic basis and kept in good repair. Routine maintenance shall be conducted on campus housing facilities exterior walls, roofs, windows and doors, and interiors.		x				
Policy 6.6.2	The University's Offices of Facilities Management, and Purchasing shall work with the Department of Housing and Residential Education to develop operations and maintenance metrics for use in establishing a baseline means of determining lifecycle costing, and to provide greater efficiency in energy use, expanded recycling, and up to date green product purchasing data base.		x				Facilities Management
Policy 6.6.3	The University's Office of Facilities Managementshall review all programmed housing improvements to ensure that adequate stormwater management, potable water, sanitary sewer, and solid waste facilities are in place and operational at established levels of service prior to occupancy.		x				Facilities Management

2020-2030 USF - Tampa Campus Master Plan Update
Evaluation and Appraisal Report

Element 7: General Infrastructure and Utilities

Goal 1: The overarching goal of the General Infrastructure and Utilities Element is to implement systems

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Sub Element 7.1	Stormwater Management Sub-Element						
Goal	The Stormwater Management goal for the Tampa Campus Master Plan is to provide an adequate stormwater management system that accommodates the future University stormwater needs.						Add identification of flooding mitigation needs due to storm events, possibly under 7.1.4
Objective 7.1.1	Provide a sufficient stormwater management system in a design that is consistent and enhances the overall Master Plan scheme, and strive to reduce stormwater outfall volumes.						
Policy 7.1.1.1	The University shall identify the stormwater detention and greenway systems as a "no build" zone, except for recreation support facilities.		X				
Policy 7.1.1.2	Stormwater facility improvements shall be constructed as identified on Figure 7.1-1.		X				Revise Figure 7.1-1
Policy 7.1.1.3	The University shall coordinate through its capital improvement projects and building program to ensure that stormwater storage and conveyance pipes are located and constructed to avoid conflicts with future building programs.		X				
Policy 7.1.1.4	The University, prior to the design and construction of any ponds within the stormwater system, shall thoroughly investigate issues including geotechnical information, regulations, and existing utilities.		X				
Policy 7.1.1.5	The University shall maintain a capacity tracking system to ensure capacity is available for the impacts of new construction.		X				
Objective 7.1.2	Recognizing that natural drainage flows east and west from the central ridge line, appropriate considerations will be given for maintaining and protecting the natural drainage patterns and hydrological conditions.						
Policy 7.1.2.1	The University shall enhance the stormwater facilities and greenway system with the following appropriate design features:						
	• Gradual and varied side slopes		X				
	• Natural aquatic plant material as appropriate for the stormwater system utilized		X				Revise statement to include: as appropriate for the stormwater system utilized.
	• Walkways/boardwalks		X				boardwalk materials to be discussed
	• Seasonal hardwoods and native-understory plant materials		X				
	• Design wet detention ponds that can act as a water feature. Pond liners and aeration equipment may be needed to maintain a healthy environment and habitat for wildlife.		X				Consider revising from: Properly designed "feature" ponds that include retention liners and sufficient water flows and aeration to maintain a healthy environment and habitat for wildlife.TO: *"Properly designed wet detention ponds that can act as a water feature. Pond liners and aeration equipment may be needed to maintain a healthy environment and habitat for wildlife."*
Policy 7.1.2.2	Recognizing that increasing the tree canopy reduces the amount of runoff entering stormwater ponds, the University shall continue to implement an active tree planting program, making it a priority to plant areas adjacent to roadways, surface parking lots, and other paved surface areas. To preserve the health of the University tree inventory, a Certified Arborist should be on staff for continued oversight monitoring and directives.		X				
Objective 7.1.3	Prevent any further degradation and improve the quality of receiving waters.						
Policy 7.1.3.1	The University shall implement an ongoing, regularly scheduled stormwater facility maintenance program to ensure adequate water quality and design capacity of the facilities.		X				
Policy 7.1.3.2	The University shall coordinate, as appropriate, with the host-communities regarding the National Pollutant Discharge Elimination System (NPDES) programs.		X				
Policy 7.1.3.3	USF shall continue to construct on-site stormwater treatment systems that remove suspended solids and nutrients per Southwest Florida Water Management District standards.		X				
Policy 7.1.3.4	The University shall mitigate University-generated stormwater and minimize stormwater-borne pollutants through the implementation of a system of Best Management Practices (BMPs), which includes, but is not limited to:						
	• Incorporating stormwater management retention and detention features into the design of parks, trails, commons, and open spaces, where such features do not detract from the recreational or aesthetic value of a site.		X				
	• Use of slow release fertilizers and/or carefully managed fertilizer applications timed to ensure maximum root uptake and minimal surface water runoff or leaching to groundwater.		X				Verify that all entities FM/Athletics/HRE/all other sub-lease (COCM & landscape contractor) are adhering to USF Standards & Policies
	• Educating maintenance personnel about the need to maintain motor vehicles to prevent the accumulation of grease, oil and other fluids on impervious surfaces, where they might be conveyed to surface and ground waters by runoff, and the need to regularly collect and dispose of yard debris.		X				
	• Regularly collect and dispose of yard debris to prevent the clogging of stormwater inlets and pipes.		X				
	• Avoiding the widespread application of broad spectrum pesticides by involving only purposeful and minimal application of pesticides, aimed at identified target species.		X				Verify that all entities FM/Athletics/HRE/all other sub-lease (COCM & landscape contractor) are adhering to USF Standards & Policies - Recommend Pesticide Applicator Certification and Licensing - verify with Bill Land and Ray Miller, our prior grounds crew (Parum and ?) did attend IFAS training (part of Integrated Pest Management for LEED) or verify that the vendor is a Florida licensed Pesticide Applicator. Easy LEED point to achieve, benefits USF, and cost that will not hit the project budget. IFAS is willing to offer training at USF.
	• Coordinating pesticide application with irrigation practices to reduce runoff and leaching into groundwater.		X				Verify that all entities FM/Athletics/HRE/all other sub-lease (COCM & landscape contractor) are adhering to USF Standards & Policies - Recommend Pesticide Applicator Certification and Licensing - verify with Bill Land and Ray Miller, our prior grounds crew (Parum and ?) did attend IFAS training (part of Integrated Pest Management for LEED) or verify that the vendor is a Florida licensed Pesticide Applicator. Easy LEED point to achieve, benefits USF, and cost that will not hit the project budget. IFAS is willing to offer training at USF.
	• Use of turf blocks and other pervious surface treatments to minimize impervious surface area and reduce the flow of runoff pollutants.		X				
	• Incorporating features into the design of fertilizer and pesticide storage, mixing and loading areas that are designed to prevent or minimize spillage.		X				

	• Pursue licensing for grounds superintendents and staff to permit handling and administering restricted pesticides and to ensure that fertilizers will be selected and applied to minimize surface water runoff and leaching to ground water.		X				Revisit: This could be combined with 7.1.3.4.2 - What licensing is being pursued - Recommend Pesticide Applicator Certification and Licensing - verify with Bill Land and Ray Miller, our prior grounds crew (Parum and ?) did attend IFAS training (part of Integrated Pest Management for LEED) or verify that the vendor is a Florida licensed Pesticide Applicator Easy LEED point to achieve, benefits USF, and cost that will not hit the project budget. IFAS is willing to offer training at USF.
Policy 7.1.3.5	It shall be the policy of the University that no stormwater discharges may cause or contribute to a violation of water quality standards in waters of the State.		X				
Objective 7.1.4	Coordinate and phase the increased stormwater facility capacity to meet the future needs of the University.						
Policy 7.1.4.1	The University shall ensure that the detailed Stormwater Management Sub-Element will comply with the host communities and SWFWMD level of service regulations for quantity and quality. In addition, the University shall adopt a level of service standard for stormwater quality and quantity as established in Chapters 40D-4, 40D-40 and 40D-400 FAC.		X				
Policy 7.1.4.2	Stormwater management facilities shall comply with the design criteria established in the USF Design and Construction Guidelines and shall be in place and operational, at established levels of service, prior to the construction of any new University improvement.		X				
Policy 7.1.4.3	The University shall devise and implement ongoing monitoring and evaluation activities to survey, document and assess the existing and future system needs, as a result of proposed land redevelopment, transportation system improvements, reconfiguration of existing drainage conveyances, and improvements within the drainage basins. These engineering study efforts shall address the data and analysis requirements contained in Rules 6C-21.207(1) and (2) F.A.C., and shall also:		X				
	• Maintain that post-development rates of discharge shall not exceed pre-development rates.		X				
	• Establish priorities for replacement, correcting stormwater management facility deficiencies, and providing for future facility needs.		X				
	• Establish the timing and phasing requirements for stormwater management facility improvements to meet future USF needs.		X				Remove "identify the projected funding sources" as most of the points mentioned above need additional funding
	• Classify existing utility corridors as no build zones. In the event the utility cannot be avoided, the Office of Facilities Management shall be contacted.		X				Facilities Management shall…
	• The University shall prioritize and correct identified stormwater system deficiencies. The University Stormwater Master Plan will be amended as needed.		X				revisit wording
Policy 7.1.4.4	The University shall annually review future construction programs and priorities for deficiency remediation as part of the capital improvements requirements and procedures to ensure capacity and capital improvements required to meet future University needs are provided when required, based on needs identified in other master plan elements.		X				
Sub Element 7.2	Potable Water Sub-Element						
Goal	The Potable Water goal for the Tampa campus plan is to provide an adequate potable water system that accommodates the future University potable water						
Objective 7.2.1	Provide at a minimum a level of service as defined in Policy 7.2.1.1 and provide distribution and building plumbing systems to maintain these operational provisions.						
Policy 7.2.1.1	The University shall establish and adopt the following level of service standards for potable water and fire flow:						
	• Provide a minimum a level of service of 0.12 GPM per 1,000 gross square feet of building area for general office / classroom space.		X				EHS: Capacity is available in the system, but can't comment on "0.12 GPM per 1,000 gsf". FM: Should there be a mention of other type of building area such as residential and labs. USF is a major research university.
	• Provide adequate fire protection with a goal of 3,000 GPM for four hours.		X				
	• Maintain an operating pressure of a minimum of 40 psi throughout the building systems.		X				EHS: Capacity is available in the system, but can't comment on "minimum operating pressure of 40 psi"
	• System identified in Figure 7.2-.1 is designed to achieve and maintain these standards.		X				Update Figure
Policy 7.2.1.2	Proposed increases in consumptive uses, whether residential or non-residential, shall be approved only upon a finding that existing potable water treatment and distribution facility capacity is already on-line to accommodate the increased need, or that additional capacity will be funded and on-line when needed.		X				
Objective 7.2.2	Provide adequate fire protection with a goal of 3,000 GPM for four hours.						
Policy 7.2.2.1	The University shall provide sufficient fire protection with strategically placed fire hydrants during the construction of new facilities.		X				
Policy 7.2.2.2	The University, in order to provide sufficient fire protection, shall install fire hydrants only on six-inch or larger water lines.		X				
Policy 7.2.2.3	The University shall provide sufficient fire protection by maintaining sufficient water levels in the water tower for 4 hour fire flow during maximum day demand.		X				
Policy 7.2.2.4	The University shall conduct on-site fire flow tests at least annually to verify adequacy of fire protection or identify deficiencies. The tests shall be conducted in accordance with the methodology described in the American Water Works Association Manual Number 31, entitled "Distribution System Requirements for Fire Protection" and NFPA 25. The results of such tests shall be provided to the City of Tampa Fire Department.		X				EHS: Need to re-visit the testing methodology to ensure it's in accordance with AWWA 31/NFPA 25. Results are not currently provided to the City of Tampa Fire Department. FM: Verify with EHS for the requirement to provide test results to City of Tampa. It may be State Fire Marshal not City of Tampa Fire Department. Review with Roy Clark
Objective 7.2.3	The University shall continue to implement and expand its water conservation program.						
Policy 7.2.3.1	The University shall implement and promote its water conservation program as follows:						
	• The use of xeric landscaping materials, technology, and maintenance practices, including the maintenance or installation of selected native and environmentally fitting vegetative species, low irrigation and compact hydrazone concepts, shall be required for all new and renovated building, ancillary, and site facility construction.		X				FM: Verify that all entities FM/Athletics/HRE//all other sub-lease (COCM & landscape contractor) are adhering to USF Standards & Policies
	• Maintain and install sub-metering on existing and new facilities to be able to monitor accurately the amount of water being utilized in the various irrigation and building facilities.		X				ST: Check on the extent of sub-metering at for all new and renovation. Rewording required. USF does not sub-meter as stated in Policy 7.2.3.1 - contact Hari Patel
	• The University shall continue to create awareness programs of water usage utilizing the information above to reduce water waste.		X				EHS: Need to re-visit, not aware of water usage awareness programs. LEED? ST: LEED educational signage and website provides awareness type education. PCGS provides some information, mostly related to research. No links to resources as provided by SWFWMD or IFAS - USF is not a Land Grant University.
	• Establish computerized, rain-sensitive system controls for all irrigation systems.		X				FM: Verify that all entities FM/Athletics/HRE/all other sub-lease (COCM & landscape contractor) are adhering to USF Standards & Policies - Grounds uses Rainbird
	• Explore opportunities to coordinate with the host communities in providing a reclaimed water irrigation system, if system is extended to the University area.		X		Currently not available from host community.		EHS: Currently not economically achievable due to distance from closest reclaimed water system infrastructure. FM: Continue to stay in touch with surrounding communities to see if/when reclaimed water may become available.
	• Continue to explore use of collected stormwater or other gray water sources for landscape irrigation purposes.		X				
	• Consider building greywater usage for building sanitary waste fixtures and the dual piping systems required.		X				CGS

	• Consider air conditioning condensate and stormwater collection and metering for new building sanitary waste fixtures. Prioritization shall be established for retrofitting existing facilities to collect condensate, on the basis of availability and proximity to a source requiring reuse water.		X				CGS Add: …stormwater collection and metering
	• Continue to require use of efficient low water volume plumbing fixtures in new and renovated University buildings.		X				"per Design Guidelines" add link
	• Strive to conduct annual water audits for monitoring consumption, leak detection, and determining necessary repairs.		X				EHS: Issues are addressed at the time of discovery. FM: Not all water uses metered. Need to complete metering and backflow prevention program. LEED & STARS? LEED, STARS and Times Higher Education Global World Ranking
Objective 7.2.4	Cooperate with the City of Tampa Water Department and other appropriate State and Federal agencies to ensure safe and sufficient water supply at a cost effective rate.						
Policy 7.2.4.1	The University shall, through its capital improvements program, ensure that potable water service capacity is available to meet future potable water facility service needs as prescribed in Element 11, Capital Improvements.		X				ST: Times Higher Education Global World Ranking
Policy 7.2.4.2	The University shall maintain, as appropriate, a "technical design standards" manual to ensure the compatibility of future potable lines for ease of on-going maintenance.		X				Design & Construction Guidelines covers this
Policy 7.2.4.3	The University water consumption is largely provided by on-campus wells. USF shall coordinate the provisions of any off-campus potable water facilities required to meet future University needs with the host community as described in Element 10, Intergovernmental Coordination. The University shall coordinate with appropriate City of Tampa officials relative to University water needs. USF shall pursue any interlocal agreements or memoranda of understanding necessary to ensure that potable water will be supplied to the campus to meet the future needs of the University, for those portions of the campus to be served by the host community.		X				On-going conversation with City of Tampa to update Development Agreement
Objective 7.2.5	Correct any existing potable water facility deficiencies and maximize its level of service where feasible.						
Policy 7.2.5.1	The University shall maintain "loops" within the water system and avoid dead-end distribution lines. New water mains shall be designed to be in close proximity to existing utilities, following established utility corridors where possible, thereby minimizing impact to areas of open space.		X				
Policy 7.2.5.2	The University shall maintain its on-going programs to replace deteriorated or undersized distribution mains considering ten inch diameter pipes, at a minimum, at building service interface if appropriate velocities are maintained.		X				There is not Capital Renewal Budget.
Policy 7.2.5.3	The University shall, through its capital improvements program, ensure that when a project requires the relocation of potable water utilities, that those utilities be appropriately upgraded and replaced as necessary to provide service to the capital improvements programmed in Element 11, Capital Improvements.		X				Incorporate Policy 6-039 for impact fees
Policy 7.2.5.4	The University shall investigate and ascertain presence of hazardous material when any existing lines (installed prior to 1980) are to be relocated, replaced or removed have the potential to contain asbestos, also known as "Transite."		X				ST: Transite Asbestos Cement products. "Transite," is a brand name that is now used as a generic term
Policy 7.2.5.5	Maintain a hydraulic model of the potable water system on campus. The model should identify areas of low flow pressure. Alternatives should be developed to increase pressure to the affected areas. Areas for potential water service expansion should also be considered.		X				remove: "The model should be updated to include the northwest service area when it is taken off City service." ST: Will the NW quadrant remain on CoT water service?
Policy 7.2.5.6	The University shall refurbish/replace and add isolation shut off valves and service valves in the potable water distribution loop to allow a continuous supply of potable water in other areas of the campus when piping leakages occur.			X			add "replace"
Objective 7.2.6	Protect and conserve potable water sources and facilities.						
Policy 7.2.6.1	Protect and conserve potable water sources and facilities.		X				
Policy 7.2.6.2	The University shall identify the potable water well fields as "no-build" zones, except for recreation facilities.		X				
Policy 7.2.6.3	The University shall seek additional well sources to ensure adequate un-interruptible supply Additional wells must be permitted through Southwest Florida Water Management District (SWFWMD).		X				EHS: Additional wells would be permitted through the Southwest Florida Water Management District (SWFWMD) as opposed to the FDEP.
Sub Element 7.3	Sanitary Sewer Sub-Element						
Goal:	The Sanitary Sewer goal for the Tampa campus plan is to provide an adequate sanitary sewer system that accommodates the future University sanitary sewer needs.						
Objective 7.3.1	Provide for reliable and efficient collection and transmission of all wastewater generated by the University in an environmentally safe manner.						
Policy 7.3.1.1	The University shall continue a preventative maintenance program to ensure existing lines and pump stations operate effectively.		X				
Policy 7.3.1.2	The University shall periodically evaluate its pump stations to ensure redundant capacity is available.		X				
Policy 7.3.1.3	The University shall coordinate with the host communities to ensure that off campus sanitary sewer facilities that may be affected by additional demands are improved as appropriate in accordance with procedures identified in Element 10, Intergovernmental Coordination. The University shall continue to follow established procedures to coordinate with appropriate City officials relative to University sewage requirements. USF shall pursue any interlocal agreements or memoranda of understanding necessary to ensure that sanitary sewer will be supplied to the campus to meet the future needs of the University.		X				
Policy 7.3.1.4	Proposed increases in consumptive uses, whether residential or non-residential, shall be approved only upon a finding that existing sanitary sewer treatment and collection system capacity is already on-line to accommodate the increased load, or that additional capacity will be funded and on-line when needed. The system identified in Figure 7.3 is designed to achieve and maintain these standards.		X				Incorporate Policy 6-039 for impact fees Revise Figure 7-3
Objective 7.3.2	Maintain at a minimum the wastewater collection service at its present level of service with the implementation of the 10-year Master Plan						
Policy 7.3.2.1	The University shall ensure that the detailed sanitary sewer master plan maintains a level of service of 0.12 gallons per minute (GPM) minimum per 1,000 square feet of building area on an average daily basis.		X				EHS: Capacity is available in the system, but can't comment on "0.12 GPM per 1,000 gsf"
Objective 7.3.3	Coordinate any required sanitary sewer relocation and improvement program with the implementation of the capital improvement program and Master Plan.						
Policy 7.3.3.1	The University shall identify the main sanitary sewer trunk lines as "no build" zones. In the event the utility cannot be avoided, the Facilities Management should be contacted.		X				Revise as noted
Policy 7.3.3.2	The University shall, through its capital improvements program, ensure that the sanitary sewer system will be appropriately upgraded and expanded on-campus, as necessary to meet the future University needs described in Element 11, Capital Improvements.		X				
Objective 7.3.4	Correct any existing and future sanitary sewer deficiencies needed to maintain a reliable level of service.						
Policy 7.3.4.1	The University, Office of Facilities Management, shall annually review future construction programs and priorities for deficiency remediation as part of the capital improvements requirements and procedures to ensure that sanitary sewer facility improvements required to meet future University needs are in place and operational, at the adopted levels of service, prior to occupancy of any new University building.		X				Revise as noted
Policy 7.3.4.2	The University shall devise and implement ongoing monitoring and evaluation activities to survey, document and assess the existing and future sanitary sewer system needs. This study shall address the data and analysis requirements contained in Rules 6C-21.207(7) and (8), F.A.C., and shall also:						Incorporate Policy 6-039 for impact fees
	• Establish priorities for replacement, correcting sanitary sewer facility deficiencies found, providing for future facility needs.		X				
	• Establish the timing and phasing requirements and identify the projected funding sources for sanitary sewer facility improvements determined to be needed to meet future USF needs.		X				
Objective 7.3.5	Reduce the impacts of sewage generation.						
Policy 7.3.5.1	The University shall implement, where practical, the following techniques for reducing the impacts of sewage generated on the campus:						
	• Utilizing low volume plumbing fixtures.		X				
	• Implementing a leak detection and repair program.		X				
	• Eliminating stormwater, swimming pool and other illegal connections.		X				EHS: Need to address campus rec pool connection to stormwater.
	• Re-routing air-conditioning condensate drain lines from the sewer system to alternate locations (such as rain barrels, cisterns, infiltration areas).		X				EHS: Opportunity to evaluate the in increase the utilization of AC condensate for alternative purposes. FM: Revisit this with Roy & Don for Building Code requirement

Sub Element 7.4	Solid Waste Sub-Element						
Goal:	The Solid Waste goal for the Tampa campus plan is to provide for future University regulated waste collection and disposal requirements in a safe, cost-effective, environmentally sound and an aesthetically satisfactory manner.						
Objective 7.4.1	Coordinate with the City of Tampa and Hillsborough County in establishing an appropriate level of service for solid waste collection.						
Policy 7.4.1.1	The University shall continue to assist in providing solid waste collection services for the residential and non-residential uses on campus.		X				
Policy 7.4.1.2	The University shall establish a level of service standard for solid waste collection consistent with the Hillsborough County provision of two years of permitted landfill space at the current fill rate, plus 10 years of land under county control for purposes of solid waste.		X				STARS, Times Higher Ed - (Sustainable Development Goals - Intergovernmental Coordination)
Policy 7.4.1.3	The University shall coordinate the provision of on and off-campus solid waste collection and disposal facilities required to meet future University needs with the host community or appropriate service provider as outlined in Element 10, Intergovernmental Coordination. USF shall pursue any interlocal agreements or memoranda of understanding necessary to ensure that solid waste collection and disposal services will be supplied to the campus to meet the future needs of the University.		X				
Policy 7.4.1.4	Education and awareness shall be developed and administered to all employees who handle regulated waste.		X				EHS: Not aware of solid waste related training for applicable employees. What is the intent as there is no regulatory related requirement? *No regulatory requirement - however a question that comes up in sustainability reporting - TRUE certification, applicable to LEED. Intent: Reduce contamination of recyclables. Not training rather "education and awareness."*
Objective 7.4.2	Define procedures to reduce University-generated solid waste and increase scope of recycling and reuse programs.						
Policy 7.4.2.1	The University shall continue to take steps to reduce the quantity of solid waste generated by expanding its recycling program to include additional interior and exterior, easily accessible drop-off locations. These drop-off facilities shall be installed in the individual buildings, residential areas or in other convenient locations. The University will strive to provide, at a minimum, for the recycling of paper, corrugated cardboard, glass, plastics, and metals. Awareness programs directed toward students, faculty and staff shall be included in this recycling program.		X				EHS: Need to re-visit based on the removal of the on-campus recycling center. *LEED, STARS, and other USF reporting ask for documentation for the recycling of batteries and electronics - usually by weight or volume. Reporting seeks "evidence," of recycling practices.*
Policy 7.4.2.2	The University shall recycle and / or salvage construction, demolition and land clearing waste as practical and possible.		X				
Objective 7.4.3	Select solid waste collection locations for convenient service while avoiding potential pedestrian conflicts and visual impacts.						
Policy 7.4.3.1	The University shall establish a unified screening program for solid waste collection locations. Included will be the implementation of aesthetic coordination as well as standardized solid waste containers.		X				
Policy 7.4.3.2	The University shall, during the design of specific building programs, evaluate the relationship of the proposed buildings with the existing buildings, and identify opportunities to reconfigure, enhance or screen solid waste collection facilities from pedestrian corridors.		X				
Objective 7.4.4	Encourage and support proper management in the disposal of hazardous and other special wastes.						
Policy 7.4.4.1	The University shall meet all State and Federal regulations in the collection and transportation of its hazardous wastes and materials.		X				
Policy 7.4.4.2	The University shall monitor the volume and type of hazardous waste collection and temporary storage on site to determine feasibility of constructing and operating the next higher level of storage facility on campus. If such a determination is made to proceed, the University shall amend the adopted campus master plan to reflect the timing, location, and scope of such a facility.		X				
Objective 7.4.5	Establish procedures to correct any existing solid waste facility deficiencies.						
Policy 7.4.5.1	The University shall ensure that solid waste collection and disposal facilities are appropriately provided and phased accordingly to meet the future University needs while correcting any disposal facility deficiencies. USF does not anticipate the need for any solid waste facility improvements at this time. If this condition changes, the University shall amend the adopted campus master plan to identify said improvements, and to establish the timing and phasing requirements and priorities for the improvements.		X				
Policy 7.4.5.2	The University shall establish that the timing and phasing of disposal facility improvements shall be coordinated with Element 11, Capital Improvements.		X				
Policy 7.4.5.3	The University shall annually review future construction programs and priorities for deficiency remediation as part of the capital improvements requirements and procedures of the Florida Board of Trustees to ensure capacity and capital improvements required to meet future University needs are provided when required, based on needs identified in other master plan elements.		X				
Sub Element 7.5	Hot Water Sub-Element						
Goal:	The Hot Water Sub-Element goal of the Tampa campus is to provide adequate heating in the most cost effective manner while providing for flexibility in the growth of the campus and limiting the generation of greenhouse gas emissions.						
Objective 7.5.1	Based on Life Cycle Cost Analysis, and if cost effective, phase out the existing Central Plant heating equipment and underground hot water pipe distribution system as existing facilities are renovated.						
Policy 7.5.1.1	The University shall continue to maintain and upgrade Hot Water Generation and distribution capabilities for existing facilities at Tampa Campus as part of Capital Improvement Plan. The University shall decentralize and add localized Hot Water Generation to Campus Facilities where feasible as part of Capital Improvement Plan. All new Facilities shall have localized Hot Water Generation.		X				FM: Replace with this - "The University shall continue to maintain and upgrade Hot Water Generation and distribution capabilities for existing facilities at Tampa Campus as part of Capital Improvement Plan. The University shall decentralize and add localized Hot Water Generation to Campus Facilities where feasible as part of Capital Improvement Plan. All new Facilities shall have localized Hot Water Generation."
Policy 7.5.1.2	The University shall evaluate methods to use waste heat recovery to reduce consumption of hot water. If any of these methods are demonstrated to be cost effective or otherwise feasible, the adopted campus master plan shall be amended as needed to reflect their implementation.		X				
Policy 7.5.1.3	The University shall prepare a study that evaluates the possible benefits of decentralizing the hot water system.		X				
Policy 7.5.1.4	The University shall implement energy conservation measures to reduce the hot water load demand and use of high efficiency heating gas-fired equipment.		X				
Policy 7.5.1.5	The University shall continue to explore the possibility of heat waste recovery program from placing an electric utilities cogeneration plant in the campus to supplement heating plant load demand. A study to assess the feasibility of this has been completed and submitted to the University. University will revisit and update the Cogeneration Study in respect to campus growth and utility rates.		X				Consider deleting this policy. OR Replace "pursue" with "explore" Revisit - *Reference UF*
Policy 7.5.1.6	The University shall evaluate use of heat pump chiller technology as a cogeneration option. Heat pump chiller technology is in fact a type of cogeneration as chilled water and hot water are produced simultaneously and eliminates water consumption associated with cooling towers used as part of traditional chilled water generation.		X				
Objective 7.5.2	Provide hot water, steam or electric resistance heating plants and/or components for each new or renovated facility.						
Policy 7.5.2.1	The University's Office of Facilities Management will be responsible for reviewing all proposed development projects to ensure that adequate hot water capacity exists.		X				Revise as noted
Policy 7.5.2.2	Proposed increases in hot water use, whether residential or non-residential, shall be approved only after finding that existing hot water distribution capacity is already on-line to accommodate the increased need, or that additional capacity will be funded and on-line at the forecasted time of need.		X				add "will be funded per USF Policy 6-039"
Objective 7.5.3	Provide sufficient hot water to correct existing deficiencies and to meet the future needs of the University.						
Policy 7.5.3.1	The University shall implement hot water improvements as identified on Figure 7.5-1. The timing and phasing requirements for these improvements are established in Element 11, Capital Improvements.		X				Revise Figure 7.5-1

Policy 7.5.3.2	The University shall establish and adopt a level of service standard for hot water per Design and Construction Guidelines. (https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx)		X				Revise/remove: The guideline has been set to establish a 30°F temperature differential. Plant leaving heating hot water temperatures may be reduced during the off season. Currently the hot water supply is controlled and maintained within a range of 140 - 160 degrees F. Adjustments are made between the stated range to optimize efficiency and operational requirements.
Policy 7.5.3.3	Hot water facility improvements shall be implemented based on the following priorities:						
	• Elimination of existing system deficiencies;		X				EHS: Opportunity to expand/improve in this area.
	• Maintaining the existing system;		X				
	• Expanding the system to accommodate new hot water needs;		X				
	• Develop and plan a program to replace aging Ricwell hot water piping with non-corrosive material in the northwest quadrant and the center core of the		X				Ric-Wil or Ricwil
Policy 7.5.3.4	The University shall refurbish/replace and add isolation shut off valves, service valves and manholes in the heating hot water distribution loop to allow a continuous supply of hot water in other areas of the campus when piping leakages occur.		X				Revisit this to add Manholes
Policy 7.5.3.5	The University shall evaluate possible ways to preserve the life service of existing heating hot water piping by providing corrosion protection to all underground heating hot water piping distribution systems.		X				
Policy 7.5.3.6	The University shall develop heating hot water hydraulic piping modeling to simulate the actual hot water flow rate condition of the existing distribution system and identify the present and future pumping deficiencies.		X				
Policy 7.5.3.7	The University shall update and maintain complete verified hydraulic models for the modifications and expansions of the piping system throughout the campus.		X				
Policy 7.5.3.8	The University shall develop and implement non-destructive testing procedures and practices to evaluate the status of existing underground piping systems. The University standard practice includes adding and maintaining corrosion inhibitors to the water circulating through the hot water distribution system in order to preserve the interior surface of the piping system life service.		X				EHS: Corrosion inhibitors are currently being utilized. FM: should pursue but not standard practice - need to revisit
Policy 7.5.3.9	The University, through the Facilities Management, shall meter hot water loads to implement load management and load history for planning and conservation measures.		X				Revise as noted
Policy 7.5.3.10	The University shall implement energy conservation measures to reduce the hot water load demand and use of high efficiency gas fired heating equipment.		X				
Policy 7.5.3.11	The University shall continue to evaluate the possibility of implementing a waste heat recovery program by placing an electric utilities co-generation plant in the campus to supplement heating plant load demand.		X				
Policy 7.5.3.12	The University shall develop a plan to implement LEED based projects to promote less energy use and thereby reduce the electric and fossil fuel demand.		X				
Policy 7.5.3.13	The University shall pursue opportunities in clean fuel options (natural gas, synthetic gas, propane, etc.) and eliminate use of electric heat in existing facilities and new construction.		X				
Sub Element 7.6	Chilled Water Sub Element						
Goal:	The Chilled Water Sub-Element goal of the Tampa Campus Master Plan is to provide an adequate chilled water service to the campus facilities in the most cost efficient manner that will support future expansion while limiting the generation of greenhouse gas emissions (GHG).						
Objective 7.6.1	Update and implement design and construction standards to establish the levels of service and installation required to ensure that adequate, reliable, and cost effective Chilled Water service is provided to future and rehabilitated facilities.						
Policy 7.6.1.1	The University shall implement Chilled Water system improvements as described in this sub-element or as identified on Figures 7.6-1. The timing and phasing requirements for these improvements are established in Element 11, Capital Improvements.		X				Revise Figure 7.6-1
Policy 7.6.1.2	The University shall develop a phasing schedule for upgrading the Chilled Water system capacity and distribution system to meet future University needs when required. The adopted campus master plan shall be amended as needed to reflect any changes to the timing and phasing requirements.		X				
Policy 7.6.1.3	The Energy Models and Load Calculations shall be used to determine the amount of chilled and hot water. Equipment selection and energy conservation measures will be evaluated based on life cycle cost analysis.		X				
Policy 7.6.1.4	Chilled water facility improvements shall be implemented based on the following priorities:						
	• Expand the system to accommodate new chilled water needs.		X				
	• Consideration given to heat pump chiller technology for simultaneous chilled and hot water generation.		X				
Policy 7.6.1.5	The University's Office of Facilities Management will be responsible for reviewing all proposed development projects to ensure that adequate chilled water capacity exists.		X				Revise as noted
Policy 7.6.1.6	Proposed increases in chilled water use, whether residential or non-residential, shall be approved only after finding that existing chilled water distribution capacity is already on-line to accommodate the increased need, or that additional capacity will be funded and on-line at the forecasted time of need. The University shall pursue policy 6-039 for impact fees for modifications to distribution system required by new facilities.		X				
Policy 7.6.1.7	The University shall continue to adhere to its policy for replacing ozone-depleting refrigerants with environmentally safe refrigerants for all Chilled Water production and cooling equipment		X				
Policy 7.6.1.8	The University shall develop and implement a campus utility load profile for chilled water peak demand to determine the campus diversified peak load factor and establish firm capacity of the existing chiller plants that will be essential in accommodating future campus growth.		X				
Policy 7.6.1.9	The University shall set and implement an N+1 redundancy strategy to maintain the plants firm capacity criterion such that the failure of the single largest chiller will maintain 100% of the chilled water demand for all Chilled Water systems.		X				
Policy 7.6.1.10	The University shall evaluate and implement most feasible technological solutions to preserve the life service of the existing underground chilled water distribution system.		X				Revise as noted
Policy 7.6.1.11	The University, through the Office of Facilities Management, shall maintain complete verified hydraulic models for the modification and expansion of the piping system throughout the campus.		X				Revise as noted
Policy 7.6.2.12	The University, through the Office of Facilities Management, shall meter chilled water loads to implement load management and load history for planning and conservation measures.		X				Remove policy - revised and moved to general sub section as policy 7.6.1.12
Objective 7.6.2	Deleted					x	Delete: Expand the Southeast chilled water plant to a thermal capacity level of 11,000 tons.
Policy 7.6.2.1:	Deleted					x	Delete: The Energy Models and Load Calculations shall be used to determine the amount of chilled and hot water. Equipment selection and energy conservation measures will be evaluated based on life cycle cost analysis.
Policy 7.6.2.2:	Deleted					x	Delete: Chilled water facility improvements shall be implemented based on the following priorities:
	Deleted					x	Delete: • Expand the system to accommodate new chilled water needs.
	Deleted					x	Delete: • Consideration given to heat pump chiller technology for simultaneous chilled and hot water generation.
Sub Element 7.7	Electrical Power and Other Fuels Sub-Element						
Goal	The Electrical Power and Other Fuels Sub-Element goal for the Tampa Campus Master Plan is to provide adequate, reliable, and cost effective electrical service to support campus operations and expansions through the 10 year planning period.						

Objective 7.7.1	Update and implement design and construction standards to establish the levels of service and installation required to ensure that adequate, reliable, and cost effective electrical service is provided to future and rehabilitated facilities.						
Policy 7.7.1.1	The University shall implement electrical energy system improvements as described in this sub-element or as identified on Figures 7.7-1 and 7.7-2. The timing and phasing requirements for these improvements are established in Element 11, Capital Improvements.		X				
Policy 7.7.1.2	The University shall develop a phasing schedule for upgrading the existing electric power supply capacity and distribution system to meet future University needs when required. The adopted campus master plan shall be amended as needed to reflect any changes to the timing and phasing requirements.		X				
Policy 7.7.1.3	The University shall hold meetings with TECO representatives to negotiate the terms and conditions under which TECO provides service to the University.		X				
Policy 7.7.1.4	The University shall include TECO participation in all modifications to the master plan and in planned expansion programs to ensure adequate electrical service will be available when needed.		X				
Policy 7.7.1.5	The University shall require life cycle cost analysis for new and major renovated facilities to determine whether natural gas and/or electricity will be the source fo appliances and heating.		X				
Objective 7.7.2	Continue to improve reliability, safety and reduce energy losses in the USF owned distribution system and in USF-owned and operated facilities.						Revise per notes
Policy 7.7.2.1	The University shall continue to study the use of alternative energy sources (e.g., solar power, cogeneration, on-site generation for peak demand shaving, etc.).		X				
Policy 7.7.2.2	The University shall continue the use of energy efficient LED lighting fixtures in all new and renovated buildings and shall continue to implement upgrades as technology evolves and funding is available.		X				Revise per notes
Policy 7.7.2.3	The University shall continue the use of infrared survey equipment for preventive maintenance of primary electrical distribution equipment to improve service reliability.		X				
Policy 7.7.2.4	The electrical design of all future building construction shall be designed to achieve at minimum a LEED Silver certification.		X				LEED Silver certification
Policy 7.7.2.5	The University shall continue to improve the reliability and safety of the 13.2 KV underground system by selectively replacing the aged power transformers, high voltage switches, power cables, and refurbishing the manholes.		X				Revise per notes
Policy 7.7.2.6	The University shall continue to identify energy conservation opportunities to reduce greenhouse gas emissions and reduce the load on existing feeders to allow additional capacity for future buildings.		X				
Policy 7.7.2.7	The University shall consider a demand control strategy using existing metering instrumentation available throughout campus to reduce the overall campus electrical demand.		X				
Policy 7.7.2.8	The University shall replace Life Safety Generators and Main Distribution Panels in existing facilities as outlined in Capital Improvement Plan and/or Deferred Maintenance Plan.			X			Add new policy - needs to be pursue
Policy 7.7.2.9	The University shall continue to perform ArcFlash studies and install signage to improve safety.		X				Add new policy
Objective 7.7.3	Continue to update a computerized data based load tabulation of electric power requirements, for existing facilities and for new buildings proposed in the master plan, which can be upgraded for changes on as needed or programmed basis.						
Policy 7.7.3.1	The University shall continue to require that a report be submitted for each new and/or renovated facility indicating the anticipated electrical consumption and service size.		X				
Policy 7.7.3.2	The University shall continue to require that the campus electrical power distribution system be modified to meet the electricity demands created by the renovated and/or new facilities.		X				
Policy 7.7.3.3	Office of Facilities Management shall continue to be responsible for reviewing all proposed development projects to ensure that adequate electrical energy capacity exists.		X				Revise as noted
Policy 7.7.3.4	Proposed increases in electrical energy use shall continue to be approved only after confirming the existing electrical distribution system has adequate capacity, or that additional capacity will be funded and on-line at the forecasted future time of need. The University shall pursue policy 6-039 for impact fees for modifications to distribution system required by new facilities.		X				Revise as noted - The University shall pursue policy 6-039 for impact fees for modifications to distribution system required by new facilities.
Objective 7.7.4	Limit the expansion of the University-owned electrical distribution system to within the boundaries established by USF. (See Figures 7.7-1 and 7.7-2.)						
Policy 7.7.4.1	Electrical system improvements shall be implemented based on the following priorities:						
	• Maintaining the existing system		X				
	• Expanding the system to accommodate new electrical energy needs.		X				
Objective 7.7.5	Inventory of emergency generators on the campus.						
Policy 7.7.5.1	The University shall keep an updated inventory of emergency generators on campus.		X				
Objective 7.7.6	Develop a means or standard for the assessment and mitigation for disaster preparedness in existing and future buildings.						add "mitigation"
Policy 7.7.6.1	The University shall determine the potential risk, liability and economic impact of long term power outages for existing and new buildings.		X				
Policy 7.7.6.2	The University shall assess the environmental exposure of electrical service equipment for worst case weather scenarios.		X				
Sub Element 7.8	Telecommunications Sub-Element						
Goal	The Telecommunications Sub-Element goal for the Tampa Campus Master Plan is to provide each existing building and planned new buildings on the Tampa campus with communications connectivity for telephone, data, and video/media networks.						
Objective 7.8.1	To plan, design and implement communications infrastructure at the Tampa campus, as shown in Figures 7.8-1 and 7.8-2, in order to correct existing deficiencies and meet the voice, data and video communications needs of the 10 year planning period.						
Policy 7.8.1.1	The University shall provide program funding for design and construction to the infrastructure to encompass the residential housing expansion in the (NE quadrant of the Tampa Campus).	X					P3
Policy 7.8.1.2	The University shall program funding for design and construction to extend fiber optic cable to classrooms, offices, and dormitories to provide connectivity for faculty, staff, students, and residents.		X				
Policy 7.8.1.3	The University shall provide program funding for design and construction to interconnect the medical office buildings at the regional Davis Island campus (USF Health South Clinic) and the College of Medicine Infrastructure to be located in downtown Tampa . A dark fiber ring would be best suited to provide the high bandwidth capacity that will be required.	X					metro fiber ring has been constructed, and extended to Davis island. Consider adding requirement for ongoing funding for expansion and maintenance
Policy 7.8.1.4	Deleted			x		x	consider removing? This implies that we would bring in external vendors such as Level 3 to comment on how their plans may impact or be impacted by USF's master plan. Delete: Participation by Local Exchange Carriers (LEC), the incumbent CATV provider, and other service providers shall be required in all modifications to the Master Plan and in planned expansion programs to ensure adequate communications services will be available when needed.
Policy 7.8.1.5	The University shall provide program funding for design and construction to upgrade and create additional licensed and unlicensed wireless systems to meet the needs of the University's educational mission.		X				referring to wireless spectrum licensing at tower. Unlicensed is wifi space, bluetooth, etc.
Policy 7.8.1.6	The University shall implement Data communications system improvements as identified on Figures 7.8-1 and 7.8-2. The timing and phasing requirements for these improvements are established in Element 11, Capital Improvements.		X				ongoing. Need to update 7.8-1 and 7.8-2 to reflect new IT communications building and changes to network topology.
Policy 7.8.1.7	Telecommunications system improvements shall be implemented based on the following priorities:						
	• Elimination of existing system deficiencies		X				
	• Maintaining the existing system		X				

	• Expanding the system to accommodate new telecommunications system needs.		X				strategy has changed, as human-facing telephony is transitioning to Teams. Infrastructure telephone remaining with on-prem PBX
Policy 7.8.1.8	The University's Information Technologies Department shall be responsible for reviewing all proposed development projects to ensure that adequate telecommunications system capacity exists.		X				
Policy 7.8.1.9	Proposed increases in telecommunications system use, whether residential or non-residential, shall be approved only after a finding that existing telecommunications system capacity is already on-line to accommodate the increased need, or that additional capacity will be funded and on-line at the forecasted future time of need.		X				
Policy 7.8.1.10	The University shall provide program funding to maintain, upgrade, and expand coverage of USF's WIFI system to access to USF systems for students, faculty, staff, and guest.		X				ongoing wifi in academic spaces supported through TechFee
Policy 7.8.1.11	The University shall provide program funding to expand coverage of USF's Distributed Antennae System (DAS) to boost cellular signal strength in buildings where signal penetration is low and occupants are unable to maintain service. This is required as a matter of public safety for both rescue personnel and building occupants. Appropriate signal surveys need to be performed in existing building and system inclusion for any new buildings.		X				new buildings and areas specifically identified as having carrier signal issues have been remediated with DAS contracts between USF and major carriers. DAS expansion efforts are ongoing.
Policy 7.8.1.12	Classroom Technology reference as infrastructure requirement		X				
Objective 7.8.2	Standardize on a data local wide area network, for campus-wide use, that will serve USF's network needs through the 10 year planning period and beyond.						
Policy 7.8.2.1	The University shall program funding for design and construction to provide adequate copper connectivity for voice, multi-mode fiber for data, and single mode fiber for video/data to all buildings on the Tampa campus.		X				all node locations are single mode fiber. Confirming status of all major buildings.
Policy 7.8.2.2	Deleted			X		X	Delete: The University shall identify, inventory, and study any electromagnetic field generators on the campus.
Policy 7.8.2.3	Deleted			X		X	Delete: The University shall program funds to perform an inventory and study of electromagnetic fields on campus.
Objective 7.8.3	Identify, inventory, and assess any media or high bandwidth application on the campus.						
Policy 7.8.3.1	The University shall program funds to perform an inventory and study of video systems on campus.		X				

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Element 8: Conservation

Goal 1: The Conservation goal of the Campus Master Plan is to be an institutional model for conservation policies, to meet the American College & University Presidents' Climate Commitment (ACUPCC) goals, to minimize negative environmental impacts, and better the environment through improved air, water and open space quality in the vicinity of the campus.

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Objective 8.1	Identify mitigation techniques in order to reduce greenhouse gas emissions and improve the air quality.						
Policy 8.1.1	The University shall continue to participate in and consider expanding those programs that contribute to improving existing air quality and reducing greenhouse through the reduction of campus traffic and parking demands. Such programs include participation in local transportation management associations such as New North Transportation Alliance (NNTA), transit routing and terminal servicing activities and the promotion of bicycle and pedestrian circulation improvements, and other alternative modes of transportation, see Element 5 Transportation.		x				revisit, consider adding other modes of transportation i.e. electric cars and charging stations
Policy 8.1.2	The University shall reduce mobile sources of air pollution through implementation of Element 5,Transportation policies designed to discourage dependence on single occupancy vehicles (SOV) as the primary transportation mode for commuting to and from and/or moving on campus, reduce emissions caused by idling times at signals, and to encourage alternative modes of transportation.		x				
Policy 8.1.3	The University shall explore and implement, as appropriate, alternative fuel vehicles including automobile and golf cart fleets and campus shuttle systems for on-campus utilization.		x				
Policy 8.1.4	The University shall determine the potential impacts on air quality before construction of parking structures. Parking structures shall be sized and designed to facilitate rapid ingress and egress of vehicles to minimize idling time, and to maximize air flow through them to eliminate pockets of stagnation where pollutant levels can build up.		x				
Policy 8.1.5	The University shall minimize emissions of air pollutants from and within buildings on campus, minimizing the storage and use of volatile and hazardous materials, and by reducing use of refrigerants and coolants in campus buildings.		x				
Policy 8.1.6	The University shall continue monitoring both indoor and outdoor air quality.		x		currently indoor only		EHS: Indoor air quality is only monitored in relation to complaints and/or concerns. Outdoor is required upon request
Policy 8.1.7	The University shall implement tree planting programs targeting 200 inches per yearover the initial five-year planning period (See Figure 8-3, 10 Year Tree Cover) and (https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx) as a means to provide the following benefits onto campus:						In the past 5 years we planted between 100-300 trees/year. Target should be 200 inches
	• Increased carbon absorption for improved air quality;		x				
	• Reduced the heat-island effect on campus;		x				
	• Reduced stormwater runoff; and		x				
	• Enhanced outdoor space, providing shade for campus population and encouragement for increased alternative non-vehicular circulation.		x				
Objective 8.2	Conserve and protect the quantity and quality of water sources including groundwater and surface water.						
Policy 8.2.1	The University shall identify all existing and proposed potable well locations as "no build" zones, except for recreation facilities.		x				

Policy 8.2.2	The University shall not undertake activities on-campus which would contaminate groundwater sources or designated recharge areas unless provisions have been made to prevent such contamination or otherwise provide mitigation for such activities so as to maintain established water quantity and quality standards. (See Sub-Elements 7.1, Stormwater Management and 7.2, Potable Water.)		x				
Policy 8.2.3	The University shall continue to monitor and test treated potable water on a monthly basis. (See Sub-Element 7.2, Potable Water.)		x				
Policy 8.2.4	The University shall continue to implement its comprehensive Water Conservation Plan, to include, but not be limited to the following measures:		x				
	• Exploration of the potential interdependencies between chilled water make-up/discharge, stormwater, and irrigation (See Element 7, Infrastructure);		x				USF does not treat wastewater consider removing (element 7)
	• The use of automated timers, irrigation flow monitoring mechanisms, rain and ground moisture sensors;		x				
	• Application of low maintenance xeriscape, Florida-friendly plants, and native plant landscape treatments for new and renovated building construction and new and renovated campus open space site and facilities;		x				add Florida-friendly plants
	• The use of low-flow and low-flush fixtures in new building construction, and water audits and other leak detection programs; and		x				
	• Continue to maximize the use of condensate and storm water to offset the consumption of water in irrigation, water features, water closets, and urinals.		x				
Policy 8.2.5	The University shall ensure the status and integrity of all identified underground storage tanks on a periodic basis through its ongoing monitoring program.		x		i.e. LIB & Patel		
Policy 8.2.6	The University shall construct a series of stormwater management facilities located within the Greenway providing reduction of stormwater pollutants prior to their eventual outfall. As part of new construction, additional, visible pilot and permanent low-impact design and stormwater management projects shall be considered for implementation within the public campus realm in support of demonstrating institutional commitment to protecting and conserving water, including reduction of pollutants, on campus and within the water shed. (See Sub-Element 7.1, Stormwater Management.)		x				
Objective 8.3	Protect identified jurisdictional native vegetative communities whether upland or wetland, as shown in Figure 8-1, 10 Year Natural and Environmental Resources and campus plantings.						
Policy 8.3.1	The University, through a qualified professional, shall conduct a campus wide landscape documentation and assessment including location and identification of existing plant materials, and assessment of health and condition, horticultural, environmental, and spatial significance, for the purpose of establishing a University tree and plant inventory data base.		x		"Tree Mapping"		
Policy 8.3.2	The University, in order to maintain the aesthetic quality, health, and investment in the main campus landscape and the vegetative resources of the USF Forest Preserve Area, shall provide for the development of a Campus Landscape Management Plan by a qualified professional. This plan shall focus on long term sustainability of the landscape and include identification and description of tasks, schedule and frequency, operational requirements including equipment, materials, and identification of personnel by skill appropriate to tasks and budgeted hours.		x				
Policy 8.3.3	Based on the landscape assessment, the University shall identify and protect jurisdictional and other areas of native plant communities from development by designating these areas as "no build" zones. Areas of native plants may include:						
	• The USF Forest Preserve north of Fletcher Avenue, shown in Figure 8-2, 10 Year Greenway and USF Forest Preserve, except for research activities as required, and recreation activity within Riverfront Park described in Element 9, Recreation and Open Space, Figure 9-4, Riverfront Park Recreation Area.		x				
	• The hardwood hammock and wetland area at the southwest corner of Fletcher Avenue and 50th Street.		x				
	• The retention lake, Lake Behnke, at Bruce B. Downs Boulevard and area of the existing Botanical Gardens.		x				
	• Other areas of the Greenway specifically identified in Element 9, Recreation and Open Space, as conservation areas.		x				

	• Other opportunities to protect environmentally sensitive lands based upon State and local criteria shall be evaluated. Should development be necessary to occur within these areas, mitigation techniques as provided by the regulatory agencies shall be coordinated with the host community and permitting agencies by the University.		x				
Policy 8.3.4	The University shall endeavor to use plant species that are indigenous and Florida-friendly plants to the natural plant communities of the Tampa Bay area. In cases where non-invasive exotic plants are used to enhance the landscape, plantings shall be limited to those non-invasive species that are able to resist periods of drought and which require little fertilization or the use of pesticides.		x				also use Florida-friendly plants
Policy 8.3.5	As part of ongoing planting efforts, the University shall introduce a greater variety of tree and other plant species and greater numerical balance between various species in order to reduce likelihood of collective loss of a single species or group of species that may occur due to an existing or potential yet unknown blight condition. Additionally, the University shall continue to develop age diversity in the tree stock through a phased introduction of trees within given areas overtime to improve the long-term sustainability of the aesthetic landscape and vegetative communities. https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx		x				
Policy 8.3.6	The University shall maintain and improve existing vegetative communities through the removal of ecologically undesirable vegetation. It is the intent of the University to remove all non-native invasive plants (whether grasses, shrubs or trees) which are identified on the most current Exotic Pest Plant Council's "Florida's Most Invasive Species List" from the campus grounds. As these species are identified on the campus, the University shall coordinate with the Florida Department of Environmental Protection and other appropriate governmental entities to ensure the proper removal and disposal of these exotic species.		x				Botanical Garden
Policy 8.3.7	The University shall endeavor to reduce the extent of turf grass on campus in favor of alternative native and xeriscape groundcovers (shade tolerant where required), also use Florida-friendly plants, and designation of areas of naturalized ground plane, to thereby reduce water consumption, fertilizer application, and overall mowing maintenance requirements.		x				also use Florida-friendly plants
Objective 8.4	Designate environmentally sensitive lands for protection based on state and locally determined criteria.						
Policy 8.4.1	The University shall maintain the jurisdictional areas based upon the most recent Florida Department of Environmental Protection criteria, standards and guidelines.		x				
Policy 8.4.2	The University shall maintain, in a managed natural state, all of those sites identified for preservation on the 10 Year Natural and Environmental Resources (8-1). No construction is anticipated in these areas except for minimal structures and improvements necessary to ensure safe access and essential recreational support functions.		x				
Policy 8.4.3	During the initial planning phase of any physical changes to the campus, the University shall perform a census of plants and wildlife in the area to be affected. Existing plants or animals identified in the most current "Official Lists of Endangered and Potentially Endangered Fauna and Flora in Florida", Florida Fish and Wildlife Conservation Commission, or otherwise afforded protection by the host communities and state and federal agencies, shall be noted. Protection plans for those identified species shall be formulated consistent with those of the host communities and appropriate state and federal agencies.		x				
Objective 8.5	Restrict University activities known to threaten the habitat and survival of threatened and endangered species and species of special concern.						
Policy 8.5.1	The University shall continue to require the use of best management construction practices, including the use of soil stabilizers, silt screens, surface moisture applications and other techniques to reduce the impact of development activities as identified in the USF Design and Construction Guidelines https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx		x				
Policy 8.5.2	The University shall minimize site disturbance on previously undeveloped sites, and shall utilize native or adapted non-invasive xeriscape vegetation when restoring disturbed areas.		x				

Policy 8.5.3	Future development, including buildings, parking facilities, utilities, walkways, paths, stormwater facilities, recreation fields, and any other development shall be carefully sited to minimize impacts to existing trees and shall follow the Tree Protection and Replacement Guidelines contained in the USF Design and Construction Guidelines and Standards. (https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx)		x				revise policy; Tree Protection and Replacement Guidelines
Policy 8.5.4	Any proposed development adjacent to an environmentally sensitive area shall be carefully sited and integrated into the existing landscape to have minimal visual impact on the area. Landscape treatment shall preserve significant existing vegetation to allow a gracious transition from developed areas to undeveloped areas to preserved areas. The existing vegetation shall serve to essentially buffer proposed development in order to maintain the natural and undeveloped character of the area. (See USF Design and Construction Guidelines and Standards https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx)		x				
Policy 8.5.5	The University shall protect and conserve the natural functions of soils, rivers, flood-plains and wetlands. The University shall continue to support the designation of Hillsborough River as an Outstanding Florida Water by protecting and enhancing this important resource.		x				
Policy 8.5.6	The University shall construct new facilities in respect of appropriate flood zone requirements. The University shall, to the maximum practical extent, locate buildings outside of the Federal Emergency Management Agency's (FEMA) recognized 100 year flood zone. In those locations where encroachment into the floodplain is deemed unavoidable, the University shall provide Base Flood protection and abide by all regulatory requirements to provide compensatory flood storage areas.		x				
Policy 8.5.7	The University shall continue to protect and conserve threatened and endangered species of plants and animals, and species of special concern, as required by the Endangered Species Act of 1973, as amended, Chapter 39, F.A.C., and federal and state management policies relating to the protection of threatened and endangered species, and species of special concern. The campus has been largely disturbed but known gopher tortoise habitats occur to the north of the existing Botanical Garden and in the USF Forest Preserve. Both areas are designated as no-build zones.		x				
Policy 8.5.8	University personnel shall, when encountering listed species, follow procedures and seek consultation with the appropriate agencies as identified in the Florida Fish and Wildlife Conservation Commission's most current "Wildlife Methodology Guidelines."		x				
Policy 8.5.9	The University shall endeavor to reduce and prevent “light pollution” and its impact on nocturnal environment by meeting relevant LEED credit guidelines in new development and through phased replacement of non-compliant lighting campus wide.		x				
Objective 8.6	Reduce the quantity of waste generated on campus and expand the percentage of waste recycled or reused.						
Policy 8.6.1	The University shall continue its ongoing evaluation of monitoring, reducing, and disposing of hazardous chemical and medical wastes. New technologies to assist in transporting and disposing of such wastes shall be evaluated by the University. (See Sub-Element 7.4, Solid Waste Management.)		x				
Policy 8.6.2	The University shall provide on-campus facilities for the collection and storage of hazardous materials used in University operations as required by federal, state and local regulations. (See Sub-Element 7.4, Solid Waste Management.)		x				
Policy 8.6.3	The University shall continue to encourage reduction of generated waste materials and expanded use of its recycling and reuse programs by establishing mechanisms for coordinating efforts of USF Facilities Management - Operations and Auxiliary services, creating awareness through varied communication methods, and installing additional convenient recycling centers. (See Sub-Element 7.4, Solid Waste Management.)		x		coor with City and County		EHS: Opportunity for expansion and continued coordination with the City/County. Replace with Facilities Management - Operations
Policy 8.6.4	The University shall coordinate on-campus recycling programs with those of local government in regard to materials collected, and disposal/collection procedures. (See Sub-Element 7.4, Solid Waste Management).		x				EHS: Opportunity for expansion and continued coordination with the City/County.
Policy 8.6.5	The University shall, through USF Purchasing and Auxiliary Services, endeavor to establish mechanisms for developing and maintaining a “green” products data base and shall encourage use of those environmentally preferable products with lower environmental impact.		x		we have green cleaning practices		EHS: Not aware that this is occurring at the USF Purchasing and Auxiliary Services level.
Objective 8.7	Identify measures to conserve and appropriately reduce energy use.						

Policy 8.7.1	The University shall evaluate and implement, as appropriate, solar energy and other clean energy sources and lighting, shuttles, phones, etc. (See Sub-Element 7.7, Electrical Power and Other Fuels.)		x				remove: alternative sources of power for irrigation systems
Policy 8.7.2	The University shall establish administrative, operational and other procedures to monitor energy use on a building specific basis and provide enhanced feedback to end users on their energy use, and incentives for reduction.		x				monitored but currently no dashboards
Objective 8.8	Expand the use of conservation and energy saving techniques with the planning, design, and construction of new facilities.						
Policy 8.8.1	The design of new buildings shall be consistent with the climatic response and sustainability guidelines contained in the USF Design and Construction Guidelines and Standards (https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx)		x				
Policy 8.8.2	Energy conservation fixtures, air conditioning and lighting systems and other building specific energy use and management techniques shall continue to be a required element of all new and renovated buildings constructed on the campus.		x				
Policy 8.8.3	The University shall consider, during development of building programs and design, the building orientation, increased daylighting measures, utilization of courtyards, arcades and other shade and ventilation techniques to further reduce energy demands.		x				
Policy 8.8.4	The University shall consider, during development of building programs and design, use of low-maintenance, local, durable, and sustainable materials, with priority placed on durable materials with long term life cycle benefit.		x				
Policy 8.8.5	The University shall require all major new construction and renovation projects to seek USGBC LEED certification with goal of achieving Silver rating or above. Commissioning is required on all projects. The University has a target of energy saving of 15-20% above the ASHRAE 90.1-2016 Baseline.		x				other certifications? And LEED Gold? Percentage? ASHRAE 90.1-2016 add: contained in the USF Design and Construction Guidelines and Standards (https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx)
Policy 8.8.6	Copies of land development criteria and design standards which reflect the policies contained in the adopted Campus Master Plan, USF Design and Construction Guidelines and Standards, https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx and Final Climate Action Plan shall be provided to design consultants and appropriate University staff. The University shall standardize the construction review process to assure adherence to appropriate Master Plan and Design and Construction Guideline policies.		x				

Element 9: Recreation and Open Space Element

Goal 1: The Recreation and Open Space goal of the Tampa Campus Master Plan is to provide enhanced recreational options for the campus community in a diverse open space environment that links the campus and the larger host community.

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Objective 9.1	The Recreation and Open Space goal of the Tampa Campus Master Plan is to provide enhanced recreational options for the campus community in a diverse open space environment that links the campus and the larger host community.						
Policy 9.1.1	The University shall establish a private donor program for the purpose of contributing to the development and maintenance of on-campus athletics, recreation and open space facilities and shall coordinate the distribution of these funds with other public University funding sources.		x				REC: working on strategic planning for this endeavor
Policy 9.1.2	The University shall work with the Campus Recreation, Outdoor Campus Recreation, and Athletics Departments, campus organizations, Sun Dome, Inc., and public/private off campus organizations to investigate and seek expanded opportunities for generating income through campus facility rentals and programs at the main campus, The Claw, USF Forest Preserve, and Riverfront Park.		x				REC: this is also the case for the other campuses - it is my understanding that at USFSP, they do not have this capability due to EG designated facility. As a consolidated unit, we would advocate for shared rental opportunities with similar asset management plans and pricing options. add "Outdoor" Campus Recreation and Campus Recreation / Sun Dome Inc.
Policy 9.1.3	The University shall work with host communities and agencies to explore shared or swapped recreation/open space development, maintenance, and/ or use of facilities to better serve the University and local populations.		x				REC: CLAW is a good example of this plan
Objective 9.2	Provide increased facilities to serve on-campus recreation, physical education, and intercollegiate athletic demands.						
Policy 9.2.1	The University shall increase recreation and athletic facilities to meet on-campus recreation, physical education, and intercollegiate activities within the 10 year planning time frame. The proposed improvements to athletics, recreation and open space facilities are identified in Figures 9-1, 10 Year Recreation and Athletics Facilities and Figure 9-2, 10 Year Campus Open Space.		x				
Policy 9.2.2	The University shall establish a basis for level of service (LOS) standard for the provision of recreational space, such as the National Intramural Recreational Sports Association (NIRSA) standards, as a means to ensure that the future recreational needs of the campus community are adequately met.		x				
Objective 9.3	Provide increased opportunities for on-campus access to varied, high quality open spaces.						
Policy 9.3.1	As shown in Figures 9-2, 10 Year Campus Open Space and 9-3, 10 Year Greenway Structure and Edges, the University shall establish a hierarchy of campus open spaces including: the Greenway and Edges, pedestrian corridors, quadrangles, plazas and courtyards within the 10-year planning time frame in partnership with the capital building and infrastructure improvements program as identified in Element 4, Future Land Use and Element 11, Capital Improvements.		x				
	Greenway. The University shall commit to the protection of the delineated Greenway comprising 158.7 acres including 22.62 acres of Unobstructed View Easement at Lake Behnke as indicated in Figure 9-3, 10 Year Greenway Structure and Edges, extending from Lake Behnke to the wetlands at Fletcher Avenue and 50th Street (including the Central Quadrangle), as a restricted no-build zone in order to establish an open space Greenway. Continued implementation of the Greenway and its enhancement is a high priority because of its:						
	• Functional importance in addressing stormwater management requirements and providing greater visibility to natural hydrological systems and University sustainability initiatives		x				
	• Unique form-giving characteristic establishing a sense of clarity and orientation to the campus		x				
	• Enhancement of recreation and social opportunities		x				REC: opportunities include enhancement of Claw, fitness trail, RFP (sidewalk desperately needed), renovation of Andros courts, updating and enhancement of Rec Center facility (older portions)
	• Role in carbon sequestration and reducing the heat island effect		x				
	• The Greenway should continue to be implemented in a strategic, incremental way in advance of individual campus projects so as to maintain the stormwater management capacity necessary to support future building projects and provide the open space amenity that makes engagement with adjacent development and campus constituents more likely.		x				
	The Greenway is comprised of the following landscape character sub-districts and programmatic zones (See Figure 9-3, 10 Year Greenway Structure and Edges.):						

• **Urban Parkland**. Within the Greenway, the Central Quadrangle is designated as “urban” parkland at the heart of the campus. It includes a combination of formalistic, “designed” signature plaza and tree lined walkway edges and strong informal designed spaces connecting to the more naturalistic areas to the northeast and southwest.		x				
• **Naturalistic Parkland**. These are areas within the Greenway that are pastoral in character and may be used for informal recreation facilities and open play space. Areas designated as naturalistic parkland may not be converted to another use without a formal Master Plan Amendment.		x				
• **Recreation**. In contrast to the naturalistic parkland areas, recreation areas within the Greenway may be used for organized striped play fields. In order to be used for this function. The play fields within the Greenway must be designed with subsurface drainage systems that maintain, at a minimum, the water percolation rate that would be associated with campus lawn areas. It is also required that such fields not be enclosed with fences, so as to maintain the visual continuity of the Greenway and a park-like pastoral character when the fields are not in use. Areas designated as recreation areas may not be converted to another use without a formal Master Plan Amendment.		x				
• **Conservation and Research**. This designation includes areas that provide conservation of land, habitat, water and vegetative resources, soil, and/or endangered species and site for ecological research. These areas include the Lake Behnke/Botanical Garden area (adjacent to Bruce B. Downs Boulevard) and proposed reclaimed site currently occupied by Lot 19, the wetlands located in the northeast corner of the main campus at Fletcher Avenue and 50th Street, and—while not part of the Greenway per se—the USF Forest Preserve north of Fletcher Avenue.		x				
In addition, the Greenway is intended to accommodate an array of stormwater management facilities and existing groundwater well fields including:						
• **Stormwater management lakes and ponds.** This designation includes existing and proposed lakes and ponds that will remain filled with water throughout the year. While some relocation of future water areas may be possible, subject to USF engineering review, the overall surface area designated in the Campus Master Plan for this function cannot be reduced without a formal Campus Master Plan Amendment.		x				
• **Stormwater management swales and retention areas**. This designation includes existing and proposed areas that are designed to be detention areas. Normally these areas will be dry, but will detain stormwater runoff for a period of time during a storm event. The amount of land designated for this function cannot be reduced without a formal Campus Master Plan Amendment.		x				
• **Below grade storage.** Subsurface storm water retention/infiltration devices can be utilized on campus to accommodate the additional storm water needs of a growing university campus. Below grade storage chamber systems allow storm water to infiltration into the ground, thereby recharging the immediate groundwater table. This helps to provide the needed water for native wetland environments on campus. Storage chambers allow for storm water collection which can then be diverted for such uses as irrigation or water features. Most importantly, when acreage on campus is limited, below grade storage devices can be installed beneath facilities, preserving the land surface above for other uses such as recreational activity.		x		i.e. Publix parking lot		
• **Protection of future well fields**. In order to ensure a sustainable campus, the university must provide safe drinking water for the campus community. To do so, the campus has protected its current drinking well field from future development. Likewise, the region of campus designated for a future well field must have similar safeguards. The restrictions within the Greenway may also serve to protect the future well field. Because the actual wells require little space, it can easily share use with space designated as greenway recreational area.		x				
• **Wetlands**. The northeast corner of the campus, south of Fletcher Avenue and west of 50th Street, contains a significant area of wetlands which links the Greenway to the existing USF Forest Preserve (north of Fletcher Avenue), providing for stormwater management and contributing to the preservation of native habitat linkages. These wetlands are located within a designated “conservation” sub-district and are not suitable for informal recreation use.		x				

	Central Quadrangle—Continue to design and implement Central Quadrangle improvements in order to provide a physical setting that provides a quality collegiate atmosphere and identifiable place-making campus center. Although not identified with a specific building project, improvements to the Quadrangle are considered important as they contribute memorable spaces, thereby improving the sense of campus community, while enhancing the visual impact of this "signature" landscaped space. The spatial character of this central space should reflect and respond to the strong primary diagonal circulation desire lines identified in to the Plan with an asymmetry that complements the existing Martin Luther King plaza and trellis at the east end of the quad. Greater landscape variation and plant material diversity should be employed to establish a cohesive central quadrangle that is both spatially unified and interesting. While tree planting to shade walks is a priority, overall planting design shall include informal massing of diverse plant material to increase the usable area with the shade of tree masses, establish stronger and more interesting spatial definition and provide greater aesthetic interest. The overall resulting character will be of a naturalized, informal landscape within a framework of urban spaces and strong diagonal reflecting the proposed major circulation routes crossing the open quad.		x				
	Corridors—Extend the development of the Sessums Mall through phased implementation of the full length of the cross-campus east-west mall as a high priority. Additional corridors are indicated on Figure 9-2 and in Element 5, Transportation Figure 5-9. Existing corridors shall be enhanced with shade through tree planting, or other means such as trellises, shade structure, or building arcades. Implementation of new corridors shall be phased in coordination with adjacent building development or redevelopment or as independent projects ahead of development.		x				
	Quadrangles—Continue to implement a hierarchy of "local" quadrangles distributed throughout the campus as shown in Figure 9-2, 10 Year Campus Open Space, by means of judicious building placement which provides inviting, humane outdoor living spaces appropriate to the climate of west central Florida. Quadrangles should include programmatic opportunities for food, seating, wireless access, and shade.		x				
	Courtyards—Encourage inclusion of interior courtyard spaces in all new buildings or closely clustered groups of buildings when and where appropriate.		x				
Policy 9.3.2	The University shall affirm a belief that naturalistic parklands are necessary to the quality of urban life and that the institution seeks continuity with the natural communities and processes that support human life. The University will ensure that the Greenway reflects design for the future by connecting to the USF Forest Preserve north of Fletcher Avenue and that adjacent spaces are developed appropriately.		x				
Policy 9.3.3	The stormwater areas reserved in the Greenway as shown will be retained for future ultimate growth needs. Until that time, the areas may be used for geologic and hydrologic academic studies and recreational use, as well as for their visual amenity value, which enhances the overall quality of the campus setting.		x				
Policy 9.3.4	The University shall maintain densities and intensities for the development of its campus (as established in Element 4, Future Land Use), including sites for infrastructure, academic, housing, and support space, which maximize permeable campus land and the retention and creation of meaningful open space.		x				
Objective 9.4	The University endorses a campus open space planning approach that envisions the entire campus as an ecologically appropriate Florida landscape.						appropriate Florida landscape
Policy 9.4.1	The University shall expand the domain of the USF Botanical Garden, with administrative functions centered at an expanded facility in the current location and priority expansion emphasis on documentation and enhancement of the Greenway.		x				remove "as Campus Arboretum" - revise wording to include the Botanical Garden in the Greenway
Policy 9.4.2	In recognition of the value of trees to the campus the University shall initiate measures to protect, manage, and increase the number of trees and quality of the campus tree stock. (See Element 8, Conservation.)		x				
Objective 9.5	Preserve and protect the USF Forest Preserve as a unique and irreplaceable reserve of undeveloped native woodland contiguous with the Hillsborough River wetland corridor.						
Policy 9.5.1	The University shall preserve and protect the USF Forest Preserve as a unique and irreplaceable natural resource for teaching and research. (See Figure 9-4, 10 Year Campus Greenway and Forest Preserve)		x				
Policy 9.5.2	Storage and non-vehicle trip generating support space related to the USF Forest Preserve shall be allowed at The Claw golf course and Riverfront Park only.		x				
Objective 9.6	Coordinate with the host communities to promote provision of adequate recreation and open space off-campus to serve the community living in the context area and to ensure continuity of campus open space resources within the larger regional open space system.						

Policy 9.6.1	The University shall establish a procedure and assign responsibility for regularly scheduled coordination meetings with the City of Tampa, City of Temple Terrace, and Hillsborough County Parks and Recreation Departments relative to the provision of recreational facilities. The University shall pursue inter-local agreements or memoranda of understanding that may be necessary to ensure that parks and recreational facilities will be available to meet the future needs of the University.		x				

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Element 10: Intergovernmental Coordination

Goal 1: The Intergovernmental Coordination goal of the USF Tampa Campus Master Plan is to achieve the goals, objectives and policies of the campus master plan through the use of joint processes for collaborative planning, decision making, and coordinating growth and development with local agencies and governmental entities.

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Objective 10.1	Maintain a process for the reciprocal review by University and local government officials of growth management plans, campus master plans, and plan amendments.						
Policy 10.1.1	The University shall continue to work with the Cities of Tampa and Temple Terrace, and Hillsborough County to implement procedures allowing the University—through the Office of Facilities Planning Management—to review and comment on proposed amendments to local government comprehensive						Office of Facilities Management
	• Have the effect of changing land uses or policies that guide the development of land within the		X				
	• Affect the provision of local service		X				
	• Otherwise impact university facilities and resources.		X				
Policy 10.1.2	Proposed amendments to the adopted campus master plan which exceed the thresholds established in s. 1013.30(9), F.S., shall be transmitted to the appropriate local, regional and state agencies for review in		X		thresholds 10% and above		
Policy 10.1.3	Proposed amendments to the adopted campus master plan which do not exceed the thresholds established in s. 1013.30(9), F.S., and which have the effect changing land use designations or classifications, or impacting public facilities, services or natural resources, shall be transmitted to the host		X				
Policy 10.1.4	University planning officials shall meet with officials from the City of Tampa, City of Temple Terrace, and Hillsborough County on a regular (at least annual) basis, or as required for the purpose of coordinating planning activities. Other local, regional, state and federal agencies shall be invited to participate in these		X				
Policy 10.1.5	Disputes between the university and a local government shall be resolved by the process established in s.		X				
Objective 10.2	Continue reciprocal development review processes that assess the impacts of proposed campus development on significant local, regional and state resources and facilities, and assess the impacts of off-						
Policy 10.2.1	Continue to work with the Cities of Tampa and Temple Terrace, Hillsborough County, and other pertinent agencies, to ensure that Comprehensive Plan amendments and rezoning requests within the designated context area, which have the potential to impact or affect University facilities and resources, shall be		X				Planning, Facilities Management
Policy 10.2.2	The University's Director of Planning, Facilities Management shall periodically meet with City and County officials to review and refine the criteria and thresholds for development proposals which would be subject to review by the University. The University shall adhere to development thresholds, developed in cooperation with City and County officials, which allow for both to review significant development		X		Items that are above and beyond CDA		Planning, Facilities Management
Policy 10.2.3	Upon receipt of an application for a development order proposed for the context area, the University's Director of Planning, Facilities Management shall assess the potential impacts of the proposed development on University facilities and resources. Findings shall be remitted in writing to the appropriate		X				Planning, Facilities Management
Policy 10.2.4	When it has been determined that proposed development on campus would have an adverse impact on local services, facilities or natural resources, University officials will participate and cooperate with		X				
Policy 10.2.5	When it has been determined that proposed development within the designated context area would have an adverse impact on University facilities and resources, University officials will participate and cooperate with respective City or County officials in the identification of appropriate strategies to mitigate the impacts		X				
Policy 10.2.6	Any dispute between the University and any host or affected local government regarding the assessment or mitigation of impacts shall be resolved in accordance with the process established in s. 1013.30(8),		X				
Policy 10.2.7	All campus development may proceed without further review by the host local government if it is consistent with the campus development agreement and the adopted campus master plan.		X				
Policy 10.2.8	The University paid its "fair share" and annually reports construction of capital improvements, as identified in the campus development agreement, all concurrency management responsibilities of the University are		X				Remove "Once", change pays to "paid" based on the Campus Development Agreement
Objective 10.3	Maintain ongoing coordination between the University and public agencies to support a better community and environment. The University will coordinate with the municipalities and agencies to support safe						
Policy 10.3.1	The University shall work with host community agencies and organizations as described in Element 6, Housing, Policy 6.4.1, to coordinate, improve, and increase the availability of safe, diverse, affordable		X		Housing continues to work with host community agencies		

Policy 10.3.2	USF Tampa Campus is within the City of Tampa service area and has experienced effective and efficient provision of fire, rescue, and emergency medical services. Existing services shall continue to be		X				USF Tampa Campus
Policy 10.3.3	The University shall continue to cooperate with the appropriate entities in the evaluation of traffic impact on adjacent roadways and endeavor to mitigate impact through increased on-campus housing, improved transit service, and other mitigation techniques described in Element 5, Transportation. The University shall participate in the planning of improvements to Fletcher Boulevard, Bruce B. Downs Boulevard, 42nd		X				add 42nd and 46th Street
Policy 10.3.4	The University shall continue to work with the Hillsborough Area Regional Transit (HART) to promote bus transit and possible future alternative transit mode ridership by disseminating information at the time of registration, through target correspondence, and at appropriate locations and events on and off-campus.		X				correspondence
Policy 10.3.5	The University shall continue to work with the Tampa Bay Area Regional Transportation Authority (TBARTA) to establish a Preliminary Plan for a light rail stop(s) serving the University campus, medical			X			
Policy 10.3.6	The University shall continue to develop and implement the Master Stormwater Management System and associated permits, and produce a technical design standards manual for new systems to ensure		X				
Policy 10.3.7	The University shall continue operating its own water system for the Academic core while working closely with the City of Tampa to ensure that adequate supply is available to the University's perimeter users. Close involvement with regulatory agencies must also continue to ensure that health, safety and quantity		X				
Policy 10.3.8	The University shall continue with the regulatory process of Hillsborough County Environmental Protection Commission (HCEPC) to ensure that State sanitary codes are met. Also, the University shall meter its		X				
Policy 10.3.9	As long as it remains economically feasible, the University shall continue to self transport its dry wastes to the Hillsborough County incinerator and use franchise services for all other organic and recyclable wastes		X				
Policy 10.3.10	The University shall maintain and periodically update its Emergency Operations Plan in coordination with Hillsborough County Emergency Management Operations (EMO), and the host communities. The plan shall identify the extent to which University buildings can, and will, be used to provide shelter for students, faculty, staff, and the general public, and will designate suitable campus open spaces for use as staging areas for emergency supplies, equipment, and resources. The information prepared shall be made		X				remove the American Red Cross,
Policy 10.3.11	The University shall continue to coordinate with the City of Tampa, Hillsborough County, and the City of Temple Terrace, to achieve an appropriate integration of the campus recreation and open space resources into the larger regional open space system, and to ensure that an adequate provision of		X				
Policy 10.3.12	The University shall coordinate with the Department of State, Division of Historical Resources, prior to any land clearing or ground-disturbing activities that may impact sites identified as significant in the University archaeological survey, and prior to any alteration or demolition affecting historic structures on campus. While it has been determined that no significant archaeological resource remain within the boundaries of the main Tampa campus, there is a significant prehistoric mound site located north of Fletcher Avenue, in the USF Forest Preserve. In addition, many standing structures on the campus will reach 50 years of age during the timeframe of the 2010 Campus Master Plan. In respect of the possibility that such a building		X				no bldg has been identified as historically significant

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Element 11: Capital Improvements

Goal 1: Provide educational, research and support facilities to all enrolled students, faculty staff and community partnerships, in a manner that protects the investment and maximizes the use of existing facilities and promotes orderly, planned sustainable campus development.

Objectives & Policies		Status: Complete	Status: Ongoing	Status: Not Implemented	Current Condition	Delete?	Comments/Problems/Recommendations
Objective 11.1	The University shall, through the coordination of land use decisions and available projected fiscal resources, provide a schedule of capital improvements to maintain the levels of service established in the master plan and to address the existing and projected facilities needs.						
Policy 11.1.1	The University, in coordination with the Florida Board of Governors shall schedule and fund capital improvements identified in Table 11-1 Five Year Capital Improvement Program (CIP2) and https://www.usf.edu/administrative-services/facilities/planning/campus-planning.aspx		X				remove "2016-2017" add website https://www.usf.edu/administrative-services/facilities/planning/campus-planning.aspx
Policy 11.1.2	The University shall evaluate, rank and revise the order of priority as required for facilities and projects identified in Table 11-1, Five Year Capital Improvement Plan (CIP2) and Legislative Budget Request, approved by USF Board of Trustees, https://www.usf.edu/administrative-		X				remove "2016-2017" add website https://www.usf.edu/administrative-services/facilities/planning/campus-planning.aspx
Policy 11.1.3	The University shall adopt the following criteria to evaluate and prioritize capital improvement projects related to the individual elements of the master plan:						
	• University Mission and Strategic Plan		X				New Strategic Plan ETA June 2021
	• University budget impact and financial feasibility		X				
	• The elimination of existing capacity deficits		X				
	• Locational and programmatic needs based on projected student enrollment increases		X				
	• The accommodation of expansion and improvement demands		X				
	• Related benefits/detriments to adjacent campus development of site areas		X				
	• Life cycle costs of the project		X				
	• Plans and priorities based on funding availability.		X				
Objective 11.2	To provide the needed improvements identified in the other elements and manage the expansion or improvement process so that facility needs do not exceed the ability of the University to fund and provide the needed capital improvements, including initial construction costs, ongoing operation and						
Policy 11.2.1	The University shall base the coordination of land use decisions associated with the implementation of capital improvements upon the development requirements of this Master Plan, the Campus Development Agreement and the availability of resources necessary for implementing required		X				
Policy 11.2.2	The University shall make provisions for programming the budget for future facility development to consider the cost of the site improvements, utility extensions and associated easements, parking, traffic, pedestrian and bicycle circulation improvements, and operation and maintenance, necessary for the proper function of the individual facility and, to the extent funding levels allow, to include the cost of		X				
Policy 11.2.3	The University shall make provisions for the adoption of the capital budget as part of the annual budgeting process and will include provisions which are consistent with the campus development agreement resulting from the adopted Master Plan.		X				
Policy 11.2.4	The University shall apply the level of service standards adopted as part of the Design and Construction Guidelines, https://www.usf.edu/administrative-services/facilities/design-construction/guidelines-standards.aspx, in implementing the capital improvements identified in this		X				
Policy 11.2.5	The University shall ensure that future facility costs and programming efforts include consideration of						
	• Site improvements;		X				
	• Utility extension and easements;		X				
	• Parking needs and traffic, pedestrian, and bicycle circulation improvements;		X				
	• Life cycle cost/benefits related to these site elements; and		X				
	• Compliance with applicable policies and standards.		X				
Policy 11.2.6	The University shall adhere to sound fiscal policies, including life cycle cost/benefit assessment, in providing the capital improvements of this campus master plan and shall proceed with new capital improvements, expansions or replacements based upon the identification and commitment of adequate funding and resources for design, implementation, operation, and maintenance.		X				
Policy 11.2.7	The University shall increase sustainable construction practices by incorporating the USGBC LEED Silver certification process in the USF Design and Construction Guideline requirements.		X		it is specified in guideline as "Minimum Certification Level: LEED Silver"		As laid out in the USF Design and Construction Guideline

Objective 11.3	To use the Capital Improvements Element as a means to meet the needs of the University for the construction of capital facilities to correct existing deficiencies, accommodate desired future growth, and replace exhausted or obsolete facilities.						
Policy 11.3.1	The University shall make provisions for the replacement and renewal of capital facilities when it is determined that the building facility, site element or infrastructure, including transportation facility (road, walk, bikeway) or utility line, is nearing the end of its useful life.		X				
Policy 11.3.2	The University shall prohibit construction of academic and research buildings less than the minimum heights, excluding temporary structures, established in Element 4, Future Land Use, and in separate documentation found in USF Design and Construction Guidelines, except by special approval from the President. (For more detailed architectural requirements and guidelines see the USF Design and Construction Guidelines, https://www.usf.edu/administrative-services/facilities/design-		X				add: excluding temp structures
Policy 11.3.3	The University shall discourage and limit the renovation of existing buildings that are less than three stories in height, except for reasons of preservation of buildings designated as historic resources or by special approval from the President for health and safety reasons. Buildings less than three stories in height are less efficient, and not in keeping with the Master Plan objective of increasing Floor Area Ratio (FAR) campus density in order to reduce impermeable surface, concentrate activity, and gain efficiencies in land and energy use. For these reasons, with the exception of buildings of historic significance, the Campus Master Plan recommends buildings that are less than three stories be phased		X				Floor Area Ratio (FAR) remove 2015
Policy 11.3.4	The University shall continue to adhere to existing capital improvement programming procedures. This master plan is updated automatically with the annual BOT approval of any CIP revisions.		X				