

# FACILITIES SERVICES 2016 SUMMER PROJECTS CATALOG



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## Administration

### Special Projects/ARCHIBUS

The implementation of Archibus Phase II begins this summer and will include the following modules:

- Project Management
- Condition Assessment
- Capital Budgeting
- Commissioning
- Environmental Health & Safety
- Material Safety Data Sheets (MSDS)
- Energy Management
- Sustainability
- Waste Management
- Clean Building

## Administrative & Support Services

The Business Services Office is working on accounts payable and receivable transactions in preparation for Fiscal Year 2016 close. The group is also preparing for Fiscal Year 2017 opening.

In addition, the Building Services Office will be closing more than 200 active projects for FY 2016 year end close billing purposes and will be reopening these under a new project number for FY 2017 accounting purposes.

The Central Supply Office will close warehouse operations at their existing location and will reestablish warehouse operations at their new location in the Support Services Building. This will involve assembling, erecting, and securing new shelving and storage units and transferring existing inventory of more than 3,000 stock items to the new warehouse.

## Communications & Information Services

### Communications & Public Relations

The Communications Coordinator will assume the management of the Cone Zone site and continually assist with the redesign and reorganization of the site.

The coordinator will conduct campus walkthroughs with Media and Marketing to ensure that all Cone Zone signs are relevant and well maintained.

Communications & Public Relations will plan the department 4th of July Employee Training and Picnic. This includes rentals, setup, food orders, prize solicitation, and overall organization.

The Communications Coordinator will attend this summer's Emergency Management Workshop and will complete a reformat and update of the Facilities Services ERP.

Department Web site management is ongoing and is the responsibility of the Communications Coordinator.

The Communications Coordinator will also assume the responsibility of content management on the TNAPPA Web site until the Tri-Conference in July.

The subunit will finish its second annual Building Representative List update. This also includes the emergency contact list for UTPD and Emergency Management. A communications survey will be distributed this summer once the list is completely updated.

Communications & PR will poll Facilities Services employees to ensure that communication is reaching all levels.

The Communications Coordinator will work to complete the overall communications plan once polling and the communication survey are complete.

At least four campus project portfolios will be submitted by the Communications Coordinator to the American School & University Architectural Portfolio publication.

Planning for the TNAPPA 2017 Conference at UT Knoxville will continue throughout the summer. The Communications Coordinator acts at the lead organizer and oversees the progress of all planning committees.

An update to the Customer Service Handbook will take place during the summer and the document will be published in the fall.

The department's annual report will be compiled, created and published by the Communications Coordinator.

Working with IT Support & Maintenance, Communications & PR will begin running analytics on the department Web site.

The Communications Coordinator will plan the first of two fall Facilities Fundamentals Workshops. Arboriculture is tentatively scheduled for the first fall workshop slot.

Communications & PR continues to update and publish the Additional Services Guide document. The Communications Coordinator will also update the Service Guide Web pages and document.

### Sustainability

In June, the office will obtain approval from Facilities Fee Oversight Committee for the SEIC project list and proposed budget for FY 17.

The Environmental Progress Report will be completed and delivered by the Office of Sustainability to Vice Chancellor Chris Cimino as a product from the CCE (conducted every five years).

The office will begin to develop a Climate Action Plan 2.0 draft (late October project end date), which is our biggest project of the summer and fall semesters.

The pilot phase of the Green Office Program will be implemented and will end in mid-August.

Web site redesign is also scheduled to be completed in early August. The Office of Sustainability will coordinate new specifications for the UT Gardens Wetland Boardwalk project.

In July, the Office of Sustainability will establish a student garden on campus, under the purview of Eco Vols and Office of Sustainability. Project VEGGIE will be dissolved and management of the site will fall under Office of Sustainability via Eco Vols.

The office hopes to establish UT as the #1 green power campus in the nation; official results are released in July and bidding is currently open.

The subunit will apply for two grants (TAPE and TWRA) this summer and plans to establish a formal partnership between Facilities Services and Experience Learning office to better utilize the already established "Student Design/Research Fund" within the SEIC budget.

Staff will finalize an agreement between UT Recycling, Vol Network, and Office of Sustainability pertaining to the Zero Waste Game Day program. This agreement would provide formal support to UT Recycling's effort and establish a symbiotic relationship in regards to marketing both brands.

In August, the sustainability portal and pilot of the Green Office Program will be finished and rolled out campus-wide via voluntary participation.

## Employee Training & Development

The Employee Training & Development subunit will work on the following projects during summer 2016:

New Employee Orientation redesign.

Continued deployment of the subunit training plan.

Creation of additional video tutorials via Camtasia.

Certified Cleaning Professional (CCP) course continuation.

Focused Safety initiatives, e.g. Confined Space Entry – Steam Plant.

Crane Operator certification (Landscape Services).

Archibus Phase II Training plan.

OSHA respirable crystalline silica risk assessment.

Skillsoft training efficiency and ease of use improvements.

## IT Support & Maintenance

Summer projects for the IT Support & Maintenance subunit include:

Moving computers and TVs to the new Facilities Services Support Services Building.

Life safety devices will be labeled for easy identification on the network by OIT.

New computers from SCUP and Design Services purchases will be distributed.

The subunit will assist with the move of air conditioning control devices to UT Protected Network.

When new Adobe contract is finalized, IT Support & Maintenance will start replacing all purchased Adobe packages with the new version.

The subunit will conduct BIRT and Archibus training.

New laptops will be deployed throughout the department.

The Sustainability Web site will be moved from Bluehost.com to the Facilities IIS Server.

A computer inventory spreadsheet and/or database will be created.

Extra Nexus 5 and Samsung tablets will be deployed.

## Construction Services

Construction's in-house projects for the summer of 2016 include the following:

Art & Architecture Room 111: Refurbish existing seating, upgrade audio/video equipment, paint room, and replace existing carpet, white boards, ceiling and lighting.

Bailey Education Rooms 202, 203, 238 & 242: Upgrade audio/video equipment, replace existing white boards, blinds and carpet, and paint rooms.

Buehler Hall Room 415: Refurbish existing seating, upgrade audio/video equipment, paint room, and replace existing carpet and white boards.

Dougherty Engineering Room 416: Refurbish existing seating, upgrade audio/video equipment, replace existing carpet, white boards, and ceiling, and paint room.

Hodges Library Room 101: Upgrade audio/video equipment.

Ellington Plant Sciences Room 128: Upgrade audio/video equipment, replace lighting and paint room.

HPER Rooms 31A & 239: Upgrade audio/video equipment, replace seating and white boards, and paint rooms.

Law Complex Rooms 85 & 247: Upgrade audio/video equipment and paint rooms.

Morgan Hall Rooms 212A & 212B: Upgrade audio/video equipment, replace white boards and paint rooms.

Nursing Room 107: upgrade audio/video equipment, replace whiteboards and seating, and paint room.

Vet Teaching Rooms A118, A335 and A335A: upgrade audio/video equipment.

Walters Life Science Rooms M307, M309, M311, M401 and M415: refurbish existing seating, upgrade audio/video equipment, replace white boards, blinds, carpet, ceiling and lights, and paint rooms.

Other projects to be conducted this summer include:

80 contract painting projects jobs and growing daily.

40 carpet jobs and growing daily.

Four to six new estimates received daily.

Six to eight new projects created daily.

Henson Hall office renovation.

HPER roof repairs with water damaged wooden floor repairs.

Baker Center: remodel suites 120 and 130, and cabinet removal and repair.

Perkins Hall: signage improvements.

Communications: suites 402 and 467 renovation, suite 120 minor renovation, patio furniture, and emergency power for TV Services.

Volunteer Hall: replace all study room doors and eight patio double doors.

Clement Hall: stairwell lighting and courtyard improvements.

JIAMS: assist Engineering Department with equipment connections during move-in, install electrical in labs where needed, assist Phase 2 with electrical, casework, etc., new ovens for lab, and install nitrogen and vacuum valves.

Tandec: assist with space upgrade.

Law College: assist with study carrels relocation, director's office renovation and laminate ground level flooring.

SERF: minor lab renovations in rooms 212 and 626, room 109A renovation, and new power for fume hood in room 702.

Melrose Hall: remove wall for office, make two offices at room 405, ADA door operator and change door in restroom.

Estabrook Hall: assist with AV installation.

Conference Center: stairwell walls, restroom renovation, suite 120 renovation (ELI), and suite 221 renovation (Staff Benefits).

Intramural Fields: concrete and caulking work for drains and walkway.

11th Street Parking Garage: sidewalk repairs.

Andy Holt Tower: guardrails.

Art & Architecture: convert room 319 computer lab into design studio, and renovation of room 101 to book store.

Massey Hall: install card access on loading dock.

Haslam Business Building: classroom security upgrade, installation of new counters, and display power and supports.

Middlebrook Pike Building: cabinet, molding, and leak repairs.

Stephenson Drive: KUB Alert System.

Min Kao: three conference room AV upgrades and cable tray installation.

Doughtery Engineering: updates in rooms PH 1 and PH 2.

Nielsen Physics: GTA office renovation and Physics lounge renovation.

Dabney Buehler: lab renovation in room 432 and install new lighting in room 569.

HPER: mail boxes and minor renovation.

Student Union: ADA Operator.

Clarence Brown Theater: procenium fire protection controller installation.

Food Safety: canopy installation.

Strong Hall Bridge: cleaning and repairs.

Greve Hall: install closet doors.

Hesler Biology: Install tile and electrical outlets.

Senter Hall: minor renovation and electrical installation.

Morgan Hall: cut in new office doorway.

McCord Hall: room 61 and 62 renovation.

Stokely Management Center: room 440 increase room size.

TRECS: carpeting, furniture, signage, and painting.

Tennis Court: re-surfacing.

Lake Avenue: demo and parking lots.

College of Nursing: parking lot finishing.

Roofing projects for the summer include: Jessie Harris - Tile, Perkins Hall - Tile, Ferris Hall - Tile Repair, Dabney-Buehler - Tile Repair, SERF - Tile Repair, Earth & Planetary - Tile Repair, Neilsen Physics - Tile Repair, Austin Peay - Tile Repair, Burchfiel - Tile Repair, Hesler Biology - Tile Repair, Law College Complex - Tile Repair, Pratt Pavilion - Metal Roofing, JARTU - Metal Roofing, Vet. Teaching - Built Up, Art & Architecture - Built Up, Morgan Hall - Built Up, Hesler Biology - Built Up, 1820 Fraternity Park - Built Up, Walters Life Sciences - Liquid Roof, Andy Holt Tower - Built Up, Claxton Complex - Tile Repair, Tyson Alumni - Tile Repair, Baker Center - Dome Metal Panels, Neyland Thompson - Cowl Walls, Volunteer Hall-EFIS



## Design Services

### Project Management

Design projects to be managed this summer include: new parking garage G16 on Volunteer Blvd., Stokely Family Residence Hall, UTIA Gardens Pavilion (Pending), English Language Institute (ELI) Conference Center, 907 Mountcastle Structure Demolition, Tennis Stadium Improvements, Tom Black Track Improvements, Boathouse, Thompson Boling Area reroofing, TBA locker room and bathroom improvement, Score Boards, JIAMS, Ken & Blaire Mossman construction, UTSI, Neyland Stadium east sky boxes and painting of steel, Golf Facility, West Campus Buildings 1 and 2, Jessie Harris Fire Safety upgrades, the completion of 1525 University Ave., Communications and Extensions Building 1st Floor Exterior ADA Accessibility (Pending), and Phi Sigma Kappa Stormwater Drainage (Pending).

Other projects include: Strong Hall Construction Administration, 11th Street Garage Solar Panel Programming, Student Union Graphics for VolShop and VolBooks, Perkins Hall 316A graphics, Hodges Library Veterans Resource Center and One Stop Expansion Programming, art studios (pending), and Polk Ave. painting.

### Landscape Design

Phase 1 of the Volunteer Blvd. Streetscape Project focusing on UT/Todd Helton Dr. to Pat Summit St. will begin this summer. Other projects include: Phase 2 of Estabrook Rd. Streetscape Improvements, remote hydraulic bollard installation at Middle Drive near Perkins Hall, landscape renovation at Dunford Hall, bakery roof planter installation, and campus signage for wayfinding.

### GIS Mapping

The subunit will work with Communications on redesigning the campus online map. All layers and icons on the map will be updated. The office will also add new layers showing 'Shelters' and 'Assembly Areas' on campus as well as improving a 'Search' function on the map where users can search for the main location of a Department. Maintaining Cone Zone map.

GIS Mapping will also provide support to the Office of Emergency Management for their update of the University's Emergency Mitigation Plan as well as attend several workshops regarding emergency situations on campus. In addition, we are designing a webmap interface that will be used for situational awareness. This webmap will include layers and information such as building status, access to floor plans, and traffic control among others that can assist the EOC in effectively managing emergency situations on campus.

Design Services will set up the software and hardware infrastructure through ArcGIS Server to implement web GIS applications that can be accessed through a web browser on any device.

The following cartography will be completed this summer: 2016 Parking Map (Parking Services), 2016 Clery Map (UT Police Department), 2016-2017 Basketball season (Athletics), 2016-2017 Football Parking Map (Parking Services), and poster for the Tennessee River Runoff 5K & Cheers to Clean Water.

## Facilities Operations

### Building Finishes

Building Finishes is planning new building and parking lot signage, multiple sidewalk, stair, door, and wall repairs, a new concrete pad at HSS, and multiple maintenance work orders. ADA sidewalks will be implemented on campus. Ayres Hall flooring will also be repaired.

Paint Services is planning many maintenance work orders in several buildings. At SSB, the shop will paint the outside tank, as well as three rooms in Greve Hall and three rooms in Dunford Hall. Painting at SERF will also be completed this summer. The interior of T-Recs and the 6th floor of Andy Holt Tower as well as the exterior of Crops Genetics and South College will be painted.

Sign Services plans for new wayfinding building signs to be installed, parking services signs, University Ave. building renovation signs, new Facilities signage, and various incoming work requests.

### Building Services

The Building Services subunit will complete several major projects during summer 2016, most of them unscheduled. Those projects that are scheduled include:

Cleaning all carpets in the Hearing and Speech Building and the Black Cultural Center, and stripping and waxing all hard surface floors on three levels of Temple Hall.

At the Agricultural Campus Building Services crews will clean, strip and wax all hard surface floors at Plant Science Annex B and CRC Best Lab, clean classroom carpets in the Publications Building, and at the Business Incubator all of the front entrance glass will be cleaned and the restroom floors will be top scrubbed.

Crews at Hodges Library will clean and sanitize all slim jims and garbage cans, top scrub restroom floors on all six levels, clean all glass inside and out, clean marble floors with appropriate equipment and cleaners, clean all rugs and mats at entrances, and clean and scrub dock areas.

Hard surface floors at UTPD will be buffed and at McClung Museum carpets will be cleaned and the ground floor will be stripped and waxed.

The supply cage will be moved, organized and made ready for use at the Support Services Building on Sutherland Avenue.

Floors at the Panhellenic Building will be stripped and waxed and the carpets will be cleaned.

At the Baker Center crews will strip and wax the floors in the computer lounge and clean the carpets throughout the building.

The floors at SERF will be stripped and waxed, including the hallways.

Crews will inspect floors in every building and will strip and wax those that appear in poor condition.

Entrance glass at each building will be cleaned and rugs will be inspected.

Carpets will be cleaned throughout campus and repairs will be made as needed and reported.

Tile work will take place in the labs, hallways and restrooms at Neyland Biology Annex.

At Bailey Education tile floor work will be completed in second floor classrooms, the reading center, and the fourth floor hallway.

Crews will complete tile floor work in the first floor dining area of Claxton and in hallways.

Tile work will be completed in the first floor kitchen of Alumni Memorial Building.

At the Communications Building crews will complete tile floor work in second and third floor classrooms and in the first floor hallway. Carpeted classrooms will also be cleaned.

The carpet will be cleaned in Andy Holt Tower room P225 and tile work will be completed in lobbies and kitchens.

Crews plan to refinish all first and second floor classroom floors, Hollingsworth Auditorium, and the surrounding hallways in Ellington Plant Sciences.

## Landscape Services

Landscape Services will begin the installation of 20,000 seasonal flowers in May. The subunit will also assist with new campus signage and removal of old, as well as campus-wide sidewalk repair.

Hazardous tree and limb removal will be conducted campus-wide, as well as tree pruning to provide clearance around security cameras, campus lighting, signage, and

bus stops. The subunit will also conduct treatment of Ash trees throughout campus for protection against Emerald Ash Borer, and there will be bush hog mowing along non-UT properties adjacent to campus.

The subunit will assist with the ground breaking ceremony preparation at Cherokee Farm, preparation and cleanup for Destination Imagination, landscape renovation at the north entrance of Dunford Hall, and construction of pedestrian access under Sutherland Avenue.

They will also provide vegetation cleanup and property maintenance at the new Support Services Building.

Landscape Services will conduct building demolition and site preparation for parking lot construction on Mountcastle, Lake, and Terrace Avenues and assist the Construction team with grading and preparation of gravel lots for asphalt paving at Lake Avenue.

Landscape and turf Renovation will also be done at Administrative Parking Garage S-30.

At Taylor Law Center, the team will assist with steam line and landscape repair. They will also assist with steam leak location and landscape repair at Blueberry Falls, irrigation and landscape installation at Orange & White Hall, crane operation (HVAC) for rooftop unit replacements & repairs at Reese Hall, and ongoing campus-wide underground utility repairs including high voltage, steam, water, and telephone.

Landscape Academy will be conducting ongoing development of the training and SOP curriculum.

## Lock & Key Services

Lock & Key Services will complete setup and installation of cores and keys at Stokely Family Residence Hall and the new parking garage as well as Orange and White Hall in addition to annual summertime changes and repairs.

The subunit will also set up cores and install/cut new keys for 1525 University Ave. Stokely Management Center and the Communications building will both have doors and hardware checked for any needed repairs/replacements. Football cores will be rekeyed and new keys will be cut for search rings.

## Rapid Response Team

RRT is planning classroom upgrade moves, help with the Facilities move to the new Sutherland Ave. locations, foundation moves from the Conference Center and Andy Holt Tower to 1525 University Ave., English Language moves to the Conference Center, office moves to replace carpet in Communications, and the Phase II JIAM move.

There will also be a Board of Trustees meeting and several special events on campus. RRT will continue to hang banners and complete various work requests that come in throughout the summer.

## Sanitation Safety

Subunit crews will survey and abate five houses on Terrace Avenue.

Personnel will oversee the surveys of Reese Hall and Carrick Hall.

The demolition of Humes Hall will begin.

Crews plan to remove honey bee colonies located at Humes Hall.

Pest Control will work through all buildings on campus including all residence halls.

The subunit will support classroom upgrades and office renovations.

At North Carrick sampling and abatement will take place this summer.

## UT Recycling

UT Recycling will provide recycling and compost bins for Destination Imagination events, meals and high traffic areas.

The subunit will also implement "My Tiny Trash" in the Support Services building and build support to spread it around campus, with the intent of decreasing landfill waste and increasing recycling rates.

UT Recycling will add lids and backboard signage to landfill bins in Hodges Library, HSS, the Agriculture Campus, and the Support Services building. The team will also be phasing out the old sticker logo with the new. We have begun vinyl stickering slim jim bins with clear stickers.

After Destination Imagination, UT Recycling will work with Building Services to implement paper towel composting in HSS, McClung Tower, and the Claxton Education Buildings. Signage and informational materials will also be developed.

UT Recycling will add an education kiosk to the public drop off. The team will assist in flattening and consolidating cardboard, collecting other recyclable materials and rescuing recyclables from roll off dumpsters at residence halls, fraternity houses and sorority houses around campus during move-in.

The subunit plans to wash, place, and line 400 compost bins at predetermined locations around Neyland Stadium and provide operational support (picking up litter, collecting recyclables, etc.) during the open practice.

Non-profit volunteers who work in Aramark concessions stands in Neyland Stadium will be instructed on zero waste practices, such as waste reduction, recycling and composting before, during, and after game day.

UT Recycling will provide recycling presentations and have approximately 1,500 staff involved in game day. Staff will utilize Ignite Serves volunteers for recycling bin placement in Neyland Stadium as well. Additionally, volunteers will be educated on sustainability and zero waste goals on campus.

UT Recycling will set up a table at the Resident Assistant Resource Fair with information about initiatives, volunteer opportunities, etc. to inform resident assistants during their annual fall training. They will also give two 25-minute presentations.

At President's Pizza in the Gardens Event, UT Recycling will provide recycling and compost zero waste stations and zero waste goalies (staff) to direct waste streams; ensure that 90% of all waste from event is recycled or composted.

UT Recycling will provide recycling/composting containers and staff at the Facilities Fourth of July Picnic to ensure 90% or more of materials are diverted. They will also staff at every lunch and dinner to educate and ensure landfill diversion reaches 90+%

The subunit plans to show trash and compost tonnage and costs/saving associated with both for the Vet School Finance Report.

UT Recycling will complete work requests and added costs associated with trash service for auxiliaries.

Personnel will also provide recycling containers as needed for events throughout the summer at Allan Jones Aquatic swim meets.

UT Recycling will make this year's Housing Block Party a Zero Waste event for 400 people and the New Student Picnic Zero Waste for 4,000 first year students.

The subunit will go through each residence hall to update posters, magnets and educational signage before the students return. UT Recycling will also audit bins to ensure uniformity.

UT Recycling will assist all shops as they clean out space in Facilities Warehouse and recycle/reuse as much material as possible.

They will continue processing compost and screening finished compost to provide compost as a soil amendment for Landscape Services and the UT Organic Farm to use on campus.



## Utilities Services

### Air Conditioning Services

Replace two cooling towers on roof of Reese Hall Chiller Building.

Disassemble and replace bearings in chiller #2 at Plant Biotech Building.

Install new mini-split air conditioning units in front of office of police station in the 11th Street Parking Garage.

Relocate operations to the new Facilities Services Complex on Sutherland Ave.

Perform stocked parts inventory and install labeled parts in the new Facilities Services Complex Utilities shop area.

Install handrail kits on cooling towers on the roof of the Haslam Building per safety inspection.

Begin prep work to Neyland Stadium in preparation of 2016 football season.

Replace obsolete air compressor in basement of Walters Life Sciences Building.

Replace obsolete heating fan in the TVA Greenhouse on the Agricultural Campus.

Replace laboratory snorkel exhaust fan in lab 602 of Dougherty Engineering Building.

Begin repairs to cooling tower on roof of the Conference Center Building.

### Electrical Services

Projects described below are Capital Projects currently at the University where Electrical Services provides project management, field supervision, technical support, construction support and utilities connections.

UTFS Electrical Services Project:

New 15KV S&C Vista installation – 10 switches - for switching and isolation of existing underground distribution circuits outside Parking Garage G10.

Residence Hall – New Gibbs: New utility connection - 13.2KV and 480V, Building 480V Distribution – Arc Resistant Switchgear.

New Parking Garage: New utility connection - 13.2KV and 480V.

West Campus Residence (WCR): Building 1 and 2 New utility connection - 13.2KV and 480V, new 13.2KV cable distribution, underground ductbank

New Strong Hall – Lab Research Building: new utility connection - 13.2KV and 480V, Building 480V Distribution – Arc Resistant Switchgear.

Outdoor Lighting – Campus Wide – Maintenance.

New Mossman Building – Lab Research: 13.2KV Temporary Service.

Chamique Holdsclaw UT Substation Renovation: Installation of new 15KV Switchgear for Circuits 1 thru 10. Design Complete. To be advertised.

Electrical Services (Secondary):

Lighting System Programming – Lutron: Support Services Building.

Variable Frequency Drive (VFD) replacements: Student Health, Conference Center, Hoskins Library.

Power Quality: Grounding Electronic Equipment for Research, Building Access and IT applications:

Jessie Harris.

Events: After Class and Weekend Student and Faculty Events; Special Events - Destination Imagination, Summer Camps, ETC; Destination Imagination – Electrical Support.

Athletics – the Sports Bubble, Emergency System - Generator.

Fire Alarm and Building Access:

Every new Fire Alarm system in new Buildings – Inspection, supervision and Testing.

Every new Building Access system in new Buildings. (Including Residence Halls).

Generator Testing.

Summer Testing of FA systems – All buildings (Fraternities/Sororities Athletics, Residence Halls, Academics, etc.)

New Building Access Contract – Upgrade existing Building Access hardware and software to new IP based Building Access hardware and software – Campus Wide, Including AG Campus.

Neyland Stadium – Fire Alarm and Emergency Lighting Testing.

### Plumbing & Heating Services

The following are in-house summer projects for the Plumbing & Heating Subunit:

Crews will address a Sorority Village ground source heat pump water leak.

A steam piping leak at Blueberry Falls will be repaired.

Installation of condensate and steam to Blount Hall (condensate leak).

Install new grease trap at Conference Center Building.

Install new grease trap at Welcome Center.

Chilled water lower drive, behind Perkins Hall and possible waterline.

Replace fire hydrant in front of Estabrook Hall.

Repair condensate leak on Johnny Majors Drive.

Replace fire hydrant at Vet School.

Replace fire hydrant at Fleming Warehouse.

Test water line feeds in SERF.

Replace water line feed to Hoskins Library.

Gas valve on The Hill.

Find cause of water leak at Alumni Hall, fix or replace steam line.

Clean out catch basins for Stormwater Management.

Replace steam lines at Jesse Harris.

Install water fountains/bottle fillers across campus.

Install new domestic water pumps and VFD in McClung Tower.

The following are projects that will require inspection and coordination by the Plumbing & Heating Subunit:

Various steam projects throughout campus.

Gas line to Baker Center.

KUB waster and gas lines on 20th Street.

Steam Line for new Stokely/Gibbs site along Johnny Majors Drive.

New meter box at indoor practice field.

## Steam Plant

The Steam Plant plans to repair roof above the boilers, make paving repairs to parking lot, finish softener installation, finish brine maker, install ladder/stairs at tunnel entrance, install new windows, finish cleaning up after Renovation, and finish painting handrails and piping.

## Zone Maintenance:

### STAR Team

#### (Special Team to Assist Research)

This summer, exterior doors at HSS will be replaced, researchers in JIAMS will be moved, hallway lighting in SERF, Nielsen Physics, and TANDEC will be replaced with LED, skybox doors at the softball field will be replaced, and piping and an environmental chamber in the hi-bay area of Tickle will be installed. TANDEC renovation will also be completed.

## Zone Maintenance

Crews will go room to room to get the residence halls fixed up after the students check out and before the summer conferences check in. In the administrative buildings, crews will repair classrooms and labs.

In Athletics, crews will take care of the many camps scheduled and get Neyland Stadium ready for football season. Zone Maintenance will rebuild the hot water leslies in all the buildings. Crews will also check and clean air conditioning coils as needed, service air conditioning units, and any other air conditioning equipment as needed. This also gives Zone Maintenance the chance to repair any issues in buildings that have not yet been reported. Crews will continue to maintain the buildings and equipment as they do on a daily basis.

At the Temple Building, the zone will strip and wax all hard surface floors. Crews will also do this at McClung Museum in addition to cleaning the carpets. The zone will assist in moving the supply cage to the new Support Services Building and getting it organized and ready for use.

On the Agriculture Campus, the team plans to clean all carpets and strip and wax all hard surface floors in Plant Science Annex B. Zone Maintenance will also strip and wax hard surface floors at CRC. The carpet in Publications will be cleaned, and Zone 7 will buff all hard surface floors at UTPD.

Hodges Library will have all slim jims and garbage cans cleaned and sanitized this summer, and work was just completed on top scrub in restrooms on all six floors. The zone is planning work on inside and outside glass in the building. Cleaning will be completed on marble floors, dock areas, and all rugs and mats at entrances.

At PCB, the conveyor on the dish machine will be rebuilt, the tray return will be repaired, the dish room disposal will be replaced, wood flooring in the third floor serving area will be repaired, the bakery's rotary oven will be rebuilt, and leslie water heaters will be serviced.

The flat top grill in International House will be moved. All AHUs, exhaust fans, and make up air units will be serviced. At Morrill Hall, the leslie and all AHUs on third floor will be serviced, the dish machine conveyor repaired, and bad ceiling tile in dining area replaced.

Sink drain baskets at Fred Brown's Twisted Taco will be replaced, and dividers will be placed in cabinets for chemicals. At Arena Dining, sink top and faucets will be covered. Mabel's will have an AHU coil replaced and a dish machine pump motor rebuilt. Hess Hall's Dippers, Vol Hall, and the Student Union will have all AHUs serviced. The Student Union will also have all exhaust fans and makeup air units serviced.

All cooler and freezer coils will be cleaned, and coverage for DI and other summer conferences will be provided by zones.

Zone 2 will re-lamp all of Greve and Blount Hall from F-32T8 to LED bulbs. Re-lamping from t-12 to t-8 bulbs will continue in Jessie Harris, and some expansion joints will be repaired.

Zone 8 will replace shade panels, clean all screening, and work on cooling pads in North, Central, and South Greenhouses, and the team will put a new top on the Greenhouse 17.

At CRC Material Science, Zone 8 will work on the interior of the building by repairing and repainting problem areas. At CRC Bioenergy, the zone will work to improve the DI system in the building to better serve customers. At Print and Publications, the zone will be working with the AC Shop to get their air conditioning repaired, and the exterior will have LED lighting installed.

The exterior of Plant Science Annex B will be cleaned and interior lighting upgraded. Food Science and Brehm Animal Science exterior lighting will be converted to LED fixtures, and some problem areas on the exterior of the building will be cleaned. At Food Safety and Processing, Zone 8 continues to work with Air Conditioning Services on rebalancing the HVAC System in the building. McCord Hall will have lamps installed to save on energy costs and provide better lighting, and all entrances will be painted and cleaned.

Sealer will be put on the exterior of the Morgan Hall, and the lighting system will be upgraded to LED. At Crops Genetics, the zone will be working on windows and painting the stairwell. Plant BioTech will have landings retiled in the stairwells and exterior lighting converted to LED. Ellington Plant Sciences will have its light fixtures updated and stairwells worked on. Bio Systems Soil and Science Office & Lab will have its LED lighting project completed and sheetrock repaired. TVA Greenhouse will have a new ventilation system installed. Zone 8 will also be installing screens and fans to make the Ceramics area better for customers. Cooling pads and pumps will be worked on at Racheff Research Greenhouse. Conversion to LED lighting continues at the Business Incubator.

At the Kingston Pike Building, Zone 8 will be working with construction to repair the roof in the warehouse area. Joe Johnson Research and Teaching Unit's researchers will be assisted with summer projects, and the team will be working on the boilers to keep them in good condition. At the Joint Institute for Advanced Material Science, the team will be working to get tenants settled in and working with the contractor on the completion of Phase 2.



THE UNIVERSITY OF  
**TENNESSEE**  
KNOXVILLE

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