WELCOME

Monthly Building Coordinator Meeting
Via ZOOM

February 21, 2024
Agenda

FM 2027 Goals:
Lynne Finn, Associate Vice President, Facilities Management

Mapping Programs:
Kirk Banks, Associate Director- Facilities Information Services, Facilities Management
Facilities Management

Building Coordinator Meeting

February 21, 2024
Agenda

**FM 2027 Plan**
Why has FM created a strategic plan?

Align with new UI Strategic Plan

A Destination University

Our goal is clear: to become the top choice university for the next group of diverse and talented students, faculty, and staff.

How can we achieve this goal? Well, it all starts with a plan.

The 2022-2027 Strategic Plan outlines the objectives and strategies we will use to enhance our standing as one of the most distinguished public universities in the country. Through this plan, we will build upon our strengths, honor our tradition of leadership, and further our commitment to creativity, community, excellence, inclusion, and integrity.

Together, we can help the University of Iowa thrive as we embark on our next chapters of exploration, discovery, creation, and engagement.

From President Barbara J. Wilson

Our strategic plan is a roadmap for success. It is not simply a document filled with lofty goals or aspirations. Rather, it serves as the framework of how we will continue to advance our mission of teaching, research, and public service. With the structure of the plan in place, the work really begins now as we design ways to meet our goals while adhering to the values that make us proud to be Hawkeyes.

We invite you to join us as we continue on this journey together as a University of Iowa community — a community committed to supporting student success and academic excellence.
Why has FM created a strategic plan?

Reset our strategic focus
Why has FM created a strategic plan?

- Align with new UI Strategic Plan
- Reset our strategic focus
- Enable success through shared goals and intentions
- Create focus and freedom for employees and teams
The Planning Process

FY24 to FY27 Strategic Focus

UI Strategic Plan
FM Mission, Vision, Core Values
Post Covid Refocus

FM 2027 Plan
People
Customers
Integrated FM

FM Goals
FM Unit Goals
Facilities Management

FM 2027 Plan

People
Sustain a solid foundation for individual, unit, and FM success, including quality leadership

Integrated FM
Own a comprehensive stewardship culture for integration - deliberate consideration and documentation of intersections, opportunities for partnerships, efficiencies and impacts to others to better the University of Iowa

Customers
Affirm, define, and quantify the value of FM Service to the University of Iowa

FM Core Values
Safety, Community, Pride

FM Core Values
Innovation, Community, Pride

FM Core Values
Stewardship, Pride

FM Goals

FM Unit Goals
WE ARE FM

MISSION
Providing a physical environment that supports university excellence.

VISION
Always there, always the best.

CORE VALUES

Stewardship
• We manage our resources for the benefit of present and future generations
• We take responsibility for our work and our actions

Innovation
• We continuously learn, develop and improve
• We build upon our successes and learn from our failures

Community
• We encourage an atmosphere of respect, trust and cooperation
• We energize and inspire each other

Safety
• We believe every injury is preventable
• We work together to promote safety and wellness

Pride
• We are proud of our work
• We are dedicated to serving the University of Iowa
Intention for today

- Share framework of the FM 2027 Plan – Strategic Focus Areas
- Build awareness that all units have goals
## FM 2027 Plan (Number of goals by Unit)

<table>
<thead>
<tr>
<th>FM Unit</th>
<th>People</th>
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<th>Integrated FM</th>
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<td>Values: Stewardship, Pride</td>
<td>Values: Innovation, Community, Pride</td>
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<td>3</td>
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<tr>
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<tr>
<td>FM Tech &amp; Data</td>
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Thank you!
Kirk Banks
Associate Director, Facilities Information Services

Education:
- Bachelor of Science Mechanical Engineering, University of Iowa, 1986
- Master of Business Administration, University of Iowa, 1990

Work Experience:
**University of Virginia**
- Capital Outlay Project Engineer, FM Facilities Planning and Construction
- Systems and Special Projects Manager, UVa Health System Facilities Services

**University of Alabama at Birmingham**
- Engineering Manager, Facilities Division

**University of Iowa**
- Management Engineer, UIHC Division of Facilities Services
- Space Information Manager, FM Space Planning and Utilization
FIS Team

Jay Geisen
GIS Enterprise Systems Architect

Doug Moore
Land Survey and Civil Eng. Services Coordinator

Mais Albaghdadi
Space Information Specialist

Michael Maddison
GIS Technician

Quinn McNutt
Space Information Specialist
About FIS

Facilities Information Services (FIS) is responsible for the stewardship of all campus space, infrastructure, real property and land development data for Iowa’s 21 million gross-square-feet of space across 2,500 acres.

Single Source of Truth of campus space data.
Why is FIS Important

FIS systems provides a framework for collecting the data and information required to make decisions about the strategic plans of the fixed assets of the campus.

Application Methodology:

• What does the campus own/lease?
• Where is it located?
• Who is utilizing it and How?
• What is it worth?
• What is the maintenance backlog?
• What is its condition?
• What is the remaining service life?
• What do you fix/replace first and When?
What We Do

The **Space Information Management System (SIMS)** provides the central master record of campus owned and leased real property including the UI Hospitals and Clinics, Parking and Transportation, Athletics, and University Housing.

**Land Survey and Civil Eng. Services** provides services for the collection, field verification, and CAD mapping of campus utilities, site assets, land improvements, topographic features and civil infrastructure spatial data and attributes.

**Geographic Information Systems (GIS)** provides mapping and data services which include campus base mapping, utilities mapping, property mapping, master and capital plan mapping, and other campus maps.
Space Information Management System (SIMS)

Architectural and Space Floor plans are made available to authorized users via the cloud-based UI Active Visual System operated by the Advanced Technologies Group (ATG).

SIMS staff performs new building and post renovation site surveys to verify the accuracy of architectural layouts, room use, department occupancy, and other associated data which is embedded on the floor plans.

SIMS staff supports the university and UI Hospitals and Clinics space surveys by updating room assignments and occupying department and space use information.
Request Access to ATG

IOWA
Facilities Management

ABOUT US
Facilities Information Services (FIS) is responsible for the design, development, and physical space of the university across 2,500 acres. This includes, but is not limited to, land use and infrastructure assets and other real property data.

SPACE INFORMATION MANAGEMENT SYSTEM
SIMS is the university’s facility information system that tracks all university owned and leased space. University building floor plans are available to view via the SIMS ATG/AVS website.

To access the system as a new user, university employee, or outside contractor, please follow the links below:

- New User Login Request
- University Employees
- Design Professionals and Contractors

FIS: SIMS and Campus Mapping Institutional Support
Access Floor Plans

FIS: SIMS and Campus Mapping Institutional Support
Navigating to get Floor Plans
Floor Plans - ATG

Architectural Floor Plan

Space Floor Plan
Floor Plans - ATG

Room Data

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SVG Hatch Query

Hatched Floor Plan
SIMS Update

FIS: SIMS and Campus Mapping Institutional Support
SIMS Update

[Image of SIMS Update form]

FIS: SIMS and Campus Mapping Institutional Support
360 photos are now taken as part of the site survey process. The implementation of this process has greatly enhanced the FIS’ ability to accurately update and maintain floor plans, utility vaults and tunnels.

An institutional benefit resulting for this work has been providing access to these photos via the FIS 360 Photos SharePoint site to enhance campus operations.

Access has been made available limited users within the following Units:

- Classroom Management and Operations
- Learning Spaces Support
- FM Utilities and ENGIE, Building and Landscape Services, Fire and Life Safety, and Design and Construction Services
- UIHC Capital Management
- UIHC Engineering Services
- University Housing and Dinning
- F&O Strategic Communications
- Campus Planning and Development
- UI Public Safety
- CLAS IT
Macbride Hall Auditorium

Ricoh Theta X – 360 Camera w/ 11K Resolution
3D Laser Scanner Reality Capture

FIS now utilizes Leica hardware and software to efficiently capture existing conditions for the campus physical environment and transfer the digital data into architectural and engineering plans and models.

The process in the creation of AutoCAD drawings, Revit 3D Models and BIM has significantly improved with the addition of the Leica hardware and software and its integration with the Autodesk and GIS software used by FIS.
3D Laser Scanner Reality Capture

The Leica BLK360 is an advanced precision imaging laser scanner will allow for rapid LiDAR scanning and capture of high-quality photospheres (360 images) of university physical spaces.

The Leica hardware and software integrates this captured spatial data with Autodesk technology used by Facilities Information Services (FIS) for space and asset management and campus planning.

**Speed:** 680Kpoints/second  
**Range:** 40m  
**Accuracy:** 4mm @ 10m
Land Survey and Civil Eng. Services utilizes state-of-the-art Global Positioning System (GPS) technology which has transformed its ability to collect and maintain highly accurate and useful infrastructure and property survey data.

The connection of GPS technology used to support surveying tasks is important to understand. It provides the means for infrastructure and land use to be planned and designed, built and operated.

CAD and GIS systems rely upon survey data obtained using GPS to provide professional grade location and attribute data to campus utilities operators and design professionals.
Campus Mapping - Geographic Information System (GIS)

- GIS connects data to a map, integrating location data (where things are) with all types of descriptive information (what things are like there). This provides a foundation for mapping and analysis that helps the campus understand patterns, relationships, and geographic context.

- The GIS system includes an impressive set of assets such as aerial photos, SIMS data, parcels, proposed master planning scenarios, easements, contour (elevation) lines, FEMA floodplain extents, signs, exterior furniture and structures, land cover, parking, roads, sidewalks, trees, utilities and countless others.

- The GIS team uses this data to create user-friendly web-based interactive campus maps as well as printable maps.

- The institutional benefits of GIS mapping include improved communication and efficiency as well as better management and decision making.
Campus 2D Map
Building Search and Aerials
Pictometry – Birdseye Image
Campus 3D Map

Navigate Tool
GIS Web Map Library

https://gis-web-map-library-uiadmin.hub.arcgis.com/

This is the platform for exploring and downloading GIS data, discovering, and engaging others to solve important issues. Let's achieve our goals together!
Institutional Benefits

- Integrate space data with other management and budget applications. (DWPROD/BI/AiM/TMA/PI & Energy Cap)
- Extend the capital-planning horizon for long-term funding projections. (Master Planning/Sightlines)
- Improve the campus planning and project delivery process. (Capital Planning /Project Programming and Design)
- Promotes a year-round planning and budgeting process in accordance with the university mission and overall strategic and operational goals. (CEA/Unit Plans)
- Reduce the “crisis management” time associated with service and/or asset disruption. (Floods/COVID)
- Reduces lost time associated with locating assets and spaces.
Questions?
Thank you!
Building Coordinator

Next meeting:
March 20, 2024, via zoom 11 AM to 12 PM

Proposed Agenda:

- Building Heating to Cooling Switchover
- Earth Day
- FM@YourService Reporting of repair issues/Service Priorities
Questions?
THANK YOU!
Feedback welcome by emailing stephanie-rourke@uiowa.edu