Welcome Building Coordinators!

Monthly Building Coordinator Meeting
Via ZOOM

August 17, 2022
Agenda-Welcome!

- **Fall Welcome** – Lynne Finn, Associate Vice President, Facilities Management – 10 minutes

- **Capital Renewal Block Allocations**-Julie Sychra, FM Director Building Operations & Maintenance & Jeff Harney, FM Assistant Director —20 minutes

- **FM Design and Construction-BUI Enhancements**-Michael Kearns, FM Interim Associate Director-Design & Assistant Director-Quality Management—20 minutes

- **NEW Bicycle Registration System: Bike Index**-Michelle Ribble, Parking and Transportation-Commuter Programs Manager—10 minutes
Welcome!
Fall
2022
Facilities, Buildings and Grounds
Building Coordinators
August 2022
Fall Semester 2022

“The UI has made excellent strides in limiting the spread of the COVID-19 virus over the past two years and we will remain vigilant this fall.”

President Barbara Wilson and Provost Kevin Kregel

Continue practices of:

- Providing face masks (including KN95 masks) and hand sanitizer at health stations all across campus
- Continuing the use of enhanced air filtration in our buildings and classrooms with capable systems
- Ensuring easy access to vaccines and boosters
- Testing of wastewater from the residence halls
- Welcoming the use of face masks on campus

IOWA
Facilities Management
Integrated and Strategic
Building Stewardship
August 2022
Implementing a Strategic Approach to Capital Renewal

Jeff Harney, Julie Sychra
Facilities Management All Funds

- FY23
- FY22
- FY21
- FY20
- FY19
- FY18
- FY17
- FY16
- FY15
- FY14
- FY13
- FY12
- FY11

Facilities Management
Purpose: To fund baseline services in custodial, building operations/maintenance, and landscape. Baseline includes preventative and predictive maintenance as well as compliance costs.

F&O Facilities Management All Funds

<table>
<thead>
<tr>
<th>Year</th>
<th>FM Block Funding</th>
<th>GEF Energy Conservation</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY23</td>
<td>7,500,000</td>
<td>15,000,000</td>
</tr>
<tr>
<td>FY22</td>
<td>15,000,000</td>
<td>22,500,000</td>
</tr>
<tr>
<td>FY21</td>
<td>22,500,000</td>
<td>30,000,000</td>
</tr>
<tr>
<td>FY20</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY19</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY18</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY17</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY16</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY15</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY14</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY13</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY12</td>
<td>30,000,000</td>
<td></td>
</tr>
<tr>
<td>FY11</td>
<td>30,000,000</td>
<td></td>
</tr>
</tbody>
</table>

**Operational Savings**

Purpose: Supplement block funding and future operational funding needs

Decision Making: FM and University Budget Officer through Advisory Committee
F&O Facilities Management All Funds

FM Block Allocation Funding

Purpose: Building Renewal
Leveraged with Central Block Funding

Decision Making: Campus Criteria
Integrated with Master Planning

Facilities Management
F&O Facilities Management All Funds

Purpose: To mitigate risk, make improvements, improve reliability and fund studies to scope larger issues

Decision Making: FM Criteria
GEF Capital Fund Matrix

- Projects up to $100,000
- Cross-functional Committee meets regularly to rate and review new submissions
- Provides transparency and allows for employees and managers to have a voice in raising concerns
- Budget tracking evaluated throughout the year – the number of projects initiated can be adjusted accordingly, but prioritization method ensures largest needs/risks are first to be addressed
A Flexible Data Driven Scoring Matrix

Always refining and informing the Matrix

O&M Project Prioritization Matrix

Building

Search by Building # or Building Name

Title

Project Description

In this field, provide a brief project statement and potential scope detail if available.

ROM Cost

0.00

This is a rough order magnitude value and is only in place for planning purposes.

Attachments

Save

Close
A Flexible Data Driven Scoring Matrix

Always refining and informing the Matrix—Health, Safety, & Environmental Impact

**Impact on People**

- 3 - Fatality or fatal exposure (roof collapse, falling brick masonry)
- 2 - Major exposure w/ long term effects (lead poisoning)
- 1 - Minor injury or exposure (broken member or laceration, smoke) ADA, HVAC
- 0 - No personal injury

**Impact on Environment**

- 2 - Major environment impact (outside walls of bldgs - major contamination or pollution)
- 1 - Minor environmental impact (outside walls of bldgs-small amount of pollution)
- 0 - No impact
A Flexible Data Driven Scoring Matrix

Always refining and informing the Matrix - Mission Impact

<table>
<thead>
<tr>
<th>Impact on Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 - No displacement opportunities (more than 250 students)</td>
</tr>
<tr>
<td>3 - Lab, research or IT area</td>
</tr>
<tr>
<td>2 - Classroom or Auditorium</td>
</tr>
<tr>
<td>1 - Office</td>
</tr>
<tr>
<td>0 - No impact</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Intellectual Property Damage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Permanent, irreplaceable damage (long term experiments that cannot be replaced or artifacts, etc)</td>
</tr>
<tr>
<td>2 - Major interruption of research time (weeks, months lost) or damage to artifacts and rare docs</td>
</tr>
<tr>
<td>1 - Minor loss of research/data (hrs or days lost) or loss of electronic data</td>
</tr>
<tr>
<td>0 - No intellectual property damage</td>
</tr>
</tbody>
</table>
A Flexible Data Driven Scoring Matrix

Always refining and informing the Matrix- Mission Impact

Property Damage

| 3 | 5m - 1 b |
| 2 | 250k to 5m |
| 1 | 5k - 250k |
| 0 | no property loss |

Time Disruption

| 3 | One week or longer |
| 2 | 3 days to 1 week |
| 1 | 1 to 3 days |
| 0 | No interruption |

Public Image

| 4 | National Media - (affects university mission to the highest degree) |
| 3 | Local Media |
| 2 | President's Office (could result in President becoming involved) |
| 1 | UI Alumni (results in letters, phone calls from UI alumni or other large organizations associated with UI) |
| 0 | No adverse publicity |
A Flexible Data Driven Scoring Matrix

Always refining and informing the Matrix - System Impact

<table>
<thead>
<tr>
<th>ROI</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Probability of Failure</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 - Imminent Failure/Failed – the system has failed or we are dealing with the situation on a daily consideration (daily maintenance or patches)</td>
</tr>
<tr>
<td>4 - Likely to Fail – the system has failing parts and could fail in a short amount of time. Monthly maintenance is required.</td>
</tr>
<tr>
<td>3 - Could Fail in 1 to 2 yrs – the system shows signs of wear, the possibility to fail in 1 to 2 yrs is a consideration</td>
</tr>
<tr>
<td>2 - Could Fail in 3 to 5 yrs – the system shows no signs of wear, the system should remain in good condition for another 3 to 5 yrs.</td>
</tr>
<tr>
<td>1 - Extremely Rare – system is in new, like new or good condition and will not require attention for another 5 to 10 yrs</td>
</tr>
<tr>
<td>0 - No probability of Failure - grandfathered code</td>
</tr>
</tbody>
</table>
GEF Capital Fund Workflow Example:

Study

Matrix

Recommended
GEF Capital Fund Workflow Example:

<table>
<thead>
<tr>
<th>Building</th>
<th>Abbr.</th>
<th>Title</th>
<th>Project Description</th>
<th>ROM Cost</th>
<th>Request Source</th>
<th>Proposed Funding Source</th>
<th>Status</th>
<th>Priority Score</th>
<th>Created Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>0204</td>
<td>BSB</td>
<td>Air handler heating valve replacement</td>
<td>Heating valves on the glycol hot water system need to be changed. The existing valves are not controlling properly because they are oversized due to installation of the heat recovery system. The current valves create overshooting of heating temperature inside the unit and also creates issues with valve control at the heat exchanger. 21 valves will need to be replaced. I would suggest having Design Engineers size the new valves as part of a small project coordinated through D&amp;C since I suspect that valves will be smaller to the point of piping reductions at each valve. These were not changed as part of the recent project.</td>
<td>$80,000.00</td>
<td>SHOP 214</td>
<td>GEF CAPITAL PROJECTS</td>
<td>Matrix Recommended</td>
<td>0.1955</td>
<td>4/4/22</td>
</tr>
<tr>
<td>0447</td>
<td>MERF</td>
<td>MERF Condensate Pump/Motor Replacement</td>
<td>Replacement of two condensate pumps and motors: These are original to building and are on the last year for life expectancy. $17,383.00 Pumps and motors can’t be purchased separately. Added 40% to cost for construction cost allocation although this will likely be funded by building money since it is under $20k and less than 8 hours per pump. Increased estimate to $50,000 to account for inflation and outsourcing (April 2022)</td>
<td>$50,000.00</td>
<td>SHOP 205</td>
<td>GEF CAPITAL PROJECTS</td>
<td>Matrix Recommended</td>
<td>0.1887</td>
<td>4/23/20</td>
</tr>
<tr>
<td>0690</td>
<td>VAB</td>
<td>WT #3 (Visual Arts Building Divert water at ENT 1 ) FY22 - 0902301</td>
<td>Adjust slope on panels and install interior gutter to divert water to the east side of Entrance 1. Catie McClung has the work task and other related documents. Jeff Harney was also involved in discussions. This is a safety issue due to ice build up and constant dripping.</td>
<td>$75,000.00</td>
<td>SHOP 204</td>
<td>GEF CAPITAL PROJECTS</td>
<td>Matrix Recommended</td>
<td>0.1185</td>
<td>3/29/22</td>
</tr>
<tr>
<td>0003</td>
<td>CB</td>
<td>CB - Air Compressors</td>
<td>It has been determined that the current compressors that support building central systems and also lab air are obsolete and becoming very difficult to find parts for repairs. The compressors are believed to be &quot;unsafe&quot; according to Compressed Air during their inspection. I have attached quotes from Ohio Medical and also Compressed Air for replacement of the compressors.</td>
<td>$120,000.00</td>
<td>SHOP 201</td>
<td>BLOCK ALLOCATION</td>
<td>Matrix Recommended</td>
<td>0.3581</td>
<td>3/17/21</td>
</tr>
</tbody>
</table>

These are the current top-scoring needs in Matrix Recommended status and will move forward with our FY23 Q1 requests for the GEF Capital Fund.

The Matrix also helps to inform Block Allocation priorities, in addition to the Sightlines Data.
Drivers of a New Approach

- Engaging Frontline Staff in the Facility Condition Assessment
  - Past Stagnant Approach
  - They Know the Systems Best
  - Process Buys Ownership
  - Belief in the Data
  - Desire to Accurately Maintain the Data
  - Ownership
Establishing Strategic Groupings Frames the Conversation
You’re Never Going to Have Enough Funding

- Need to Establish Additional Factors to Prioritize with . . .
  - Institutional Priorities
  - Operational Costs
  - Student Impact
- Something Today is Better than the Perfect Measure Tomorrow
- Improve Data Over Time
When needs exceed resources, how do you make it actionable?
Implementation

- Complete the Shared Governance Process
- Matrix Run
- Project Review
- “The Eye Test”
- Project Execution
- FCA Examination and Refinement
- Matrix Supporting Data Enhancement
- Wash, Rinse, Repeat . . .
Questions?
FM Design and Construction-BUI Enhancements

→ Live view presentation: Michael Kearns, FM Interim Associate Director - Design & Assistant Director - Quality Management and Catherine McClurg – Design Project Specialist – FM Design and Construction
NEW Bicycle Registration System: Bike Index
Bicycle Registration

→ Registering bikes since 1995
  • Parking and UI Police used system to identify owners
  • Limited features

→ Collaboration to improve system
  • Parking and Transportation
  • UI Police
  • UIHC Safety and Security

→ Goals
  • Help reunite stolen and lost bikes with owners
  • Deter theft
  • Dynamic system
BIKE INDEX

→ National bike registry
→ Helped recover over 11,000 stolen bikes
→ User accounts
→ Sticker with unique QR code
New Registration System

- Launched August 1st
- https://bikeindex.org/uiowa/

- Additional features
  - Users – direct access to account/update info/proof of ownership
  - More data fields – details about your bike, upload photos
  - Mark bike as missing or stolen

- Assist with stolen bicycle recovery
  - Nation-wide searches
  - All bikes in one system - registered, impounded, recovered
  - Scannable QR codes - Helps authorities identify owner/return bike
IOWA™

UNIVERSITY OF IOWA BICYCLE REGISTRATION

REGISTER YOUR BIKE

- viowa.edu email
- bike manufacturer
- primary frame color
- This bike is either missing or stolen

REGISTER YOUR BIKE

UNIVERSITY OF IOWA AND BIKE INDEX

The University of Iowa has partnered with Bike Index, the nation's largest and most effective bike registration and recovery service, to provide University of Iowa cyclists with this service.

SEARCH STOLEN BIKES

Search a stolen bike that seems suspicious? Check it out on Bike Index.

REGISTER YOUR BIKE

Registration is free and voluntary to all university students, faculty and staff. It provides a simple, secure location to store your bike details and helps authorities recover & return stolen bikes. You will receive a permit sticker in the mail once you fully complete your University of Iowa bike registration.

CAMPUS LINKS

- Biking on campus
- Rules and regulations
- Safety tips and reminders
- UI Department of Public Safety

TIPS FROM BIKE INDEX

- How to protect your bike
- Find Your Bikes Serial Number
- How not to buy stolen

BIKING RESOURCES

- Bicycle infrastructure and map
- Bicycle repair stations/air pumps
- Biking at Iowa
- UI Access & Construction Alerts
2 Ways to Register

➔ Online: Smartphone or Desktop
  • https://bikeindex.org/uiowa/
    • P&T website: transportation.uiowa.edu
    • Parking portal: https://parking.uiowa.edu/
  • Create an account and enter bike details
  • Sticker mailed to you
  • Place sticker on bike

➔ Registration sticker
  • Available at 3 offices
    • Parking Office, WCTC
    • UI Police, UCC
    • Safety & Security, RCP lower level
  • Scan QR code, follow prompts
  • Create account, enter bike details
  • Place sticker on bike
User Account
THANK YOU
SAVE THE DATE

Hawkeye on Safety 2022 will take place at the Hyatt Regency Coralville on September 8, 2022

HawkeyeOnSafety.com
Next Meeting:

Wednesday, September 21, 2022

11:00 – Noon via ZOOM

AGENDA TO BE DETERMINED
Thank you!