Infrastructure Enablers Subcommittee

Committee members: Robert Currie, Co-chair, Director for Facilities Services; Amanda Fales-Williams, Co-chair, Associate Professor of Veterinary Pathology; Hamad Abbas, Senior - Political Science; Roger Graden, Associate Director of Residence; Annette Hacker, Director of News Service, University Relations; Arne Hallam, Associate Dean, Liberal Arts and Sciences; Logan Halverson, Senior – Forestry; Matthew Harvey, Graduate - Industrial and Agricultural Technology; Christine King, Associate Dean of the Library; Kris Koerner, Program Coordinator, Facilities Planning and Management; Sheri Kyras, Director of Transit, CyRide; Jennifer Lohrbach, Director, Information Technology Services; Merry Rankin, Director of Sustainability; James Reecy, Professor of Biotechnology; Jennifer Ross, Manager of Food Services, ISU Dining

Iowa State University Mission and Vision:

Mission: Create, share, and apply knowledge to make Iowa and the world a better place.

Vision: Iowa State University will lead the world in advancing the land-grant ideals of putting science, technology, and human creativity to work.

Narrative of the role of Infrastructure as it supports President Leath’s four overarching goals:

Infrastructure consists of the people, spaces, and systems that allow this university to meet its stated mission and vision. Sound, value-added infrastructure fortifies all functions of a campus community, allowing students to learn more effectively from instructors enabled to provide enhanced learning opportunities; sustaining researchers in creative productivity; permitting a vast support network of service providers to deliver their product. All members of the campus community benefit from safe, clean, well-lit, and appropriately maintained streets, sidewalks and interior spaces on campus. Meeting places for studying, discussing creative projects, committee meetings, club meetings, seminars and workshops are essential for the culture and progress of any university. The Iowa State Experience includes the exclusive on-campus experience provided by the Department of Residence and ISU Dining. Processes that contribute to efficient use of time and focus for students, staff, faculty and administrators allow for greater efficiency, resiliency and sustainability of resources for achievement of the land grant mission and the return on investment for all Iowans.
1. **Overarching Goal of the Infrastructure Enablers Subcommittee:**

Support the community and processes of the University’s overarching goals through efficient and effective use of facilities and support systems.

2. **Overall Performance Measures that will be used to track progress on the overarching goal during the next six years.** *(Preference is 1-2 overall performance measures, but we will allow up to 3.)*

   **Goal A:** Enhance the student, faculty and staff environment by improving and optimizing space and resources.

   - **Measure:** 100% of facilities and program enhancements will emphasize improving and expanding research and teaching environments.

   - **Measure:** Achieve 100% placement for students choosing ISU Residence living.

   - **Measure:** Provide campus dining options available within 10 minutes of most academic buildings.

   **Goal B:** Enrich communication and connectivity by enhancing technology.

   - **Measure:** Meet or exceed connectivity needs for all campus functions and facilities.

3. **Specific Measurable Actions and corresponding performance metrics related to the overall performance measures.** These are the specific actions that the university will take/implement to move the needle on the overall performance measures. *(You may submit 1-2 actions per performance measure, but no more than 3 total).*

   **Goal A:** Enhance the student, faculty and staff environment by improving and optimizing space and resources.

   I. Strive to increase Capital Renewal base funding levels to attain a $10 million fund base by year 2022. *(See Facilities Governance Report February 24-25, 2016. The University has committed to reallocate $1,000,000 in new base funding for deferred maintenance in each of the years FY12, FY13, FY14, and FY15. This new funding is allowing the University to more proactively address deferred maintenance issues. Annual funds available for deferred maintenance projects in the General Fund is now $5.5 M.)*

   II. Establish reinvestment strategy for academic programmatic needs, i.e. space changes and research equipment improvements. New metrics/process may be required: strategy, identification and prioritization of needs. *(See President’s Committee on Enhancing Institutional Excellence, Fiscal year 2014 - For priority tier 2-action item 1: A very substantial investment (upwards of $100+ million
within the next 5 years) will be necessary to build/remodel ISU’s research buildings. Furthermore, $10 million over the next 5 years must be invested in obtaining equipment to ensure that ISU faculty can conduct world-leading research in a timely manner.

**Goal B:** Enrich communication and connectivity by enhancing technology.

I. Develop IT connectivity to support increasing number of devices per student, faculty and staff: three-year attainment goal. (See President’s Student Experience Enhancement Council, Fiscal Year 2015 report)
   - Provide centrally funded, 100% wireless coverage with adequate density in academic and administrative buildings on campus.
   - Increase accessibility to licensed software used by students, faculty, and staff.
   - Increasingly adopt software with a mobile first strategy/technology for enhanced user experience. Measure by spend/user usage; new metric development required.

4. A list of additional metrics that are related to the overarching goal (e.g., six year graduation rate). These additional metrics will not be in the body of the strategic plan itself, but rather will be categorized by overarching goal as a supplement to the strategic plan.

**ISU Department of Residence**
Provide all new to ISU age 18 to 19 students with residence hall assignments and strive to provide all age 18 transfer students residence assignment, and all age 19 and older transfer students an apartment assignment.

   - New residence halls and apartments will be added to permanent capacity, provided future enrollment justifies growth and the added expense does not reduce the debt ratio below 1.55.
   - Leasing will continue to be utilized if demand exceeds permanent capacity and the leasing dynamic generates a positive net cash flow.

**ISU Dining**
Increase seating capacity of dining centers in alignment with percentage increase of housing contracts by 38.4% by 2022

   - Dining seat:housing ratio increase from 1:5 to 1:3 by 2022. (increase in demand for housing has increased 60% since Fall 2011, while enrollment has increased by 40%)

**CyRide**
Ensure at least 85% of students are satisfied with CyRide services (as identified in City of Ames Annual Resident Survey).
Human Capital
Improved infrastructure that supports human capital and value-added staff retention. Increase university process efficiencies, as measured by reduction in service order/trademark request/purchase order/HR requests. Metric development required; improvements anticipated and measurable with ERP.

Efficiency of systems
- Annually strive to complete two recommissioning evaluations of campus buildings systems (heating, cooling, ventilation) toward the completion of all campus buildings.
- Continue LEED (Leadership in Energy and Environmental Design) gold certification priority for new building construction and building renovations through consistent and ongoing use of Iowa State University designated minimum design standards. (Facilities Planning and Management Facilities Design Guide http://projects.fpm.iastate.edu/IOWASTATE/en-us/Main.asp).

Efficiency of resources/energy, water, waste
- Continue participation in STARS (Sustainability Tracking, Assessment and Rating System) toward an energy reduction goal of reducing building energy consumption per gross square foot/meter of floor area by 50 percent compared to a baseline. (https://stars.aashe.org/ STARS Technical Manual, Version 2.1, credit OP5).
- Continue participation in STARS (Sustainability Tracking, Assessment and Rating System) toward goals of achieving a 30 percent or larger reduction in potable water use per weighted campus user, gross square foot/meter of floor area, and per acre/hectare of vegetated grounds compared to a baseline (https://stars.aashe.org/ STARS Technical Manual, Version 2.1, credit OP22).
- Continue participation in STARS (Sustainability Tracking, Assessment and Rating System) toward goals of reducing total waste generation by 50 percent compared to a baseline, achieving total annual waste generation per weighted campus user of 90 percent less than the minimum performance threshold of 0.50 short tons (0.46 tonnes), and diverting at least 90 percent of waste from the landfilling and disposing of the remaining residual materials through post-recycling conversion (https://stars.aashe.org/ STARS Technical Manual, Version 2.1, credit OP19).

Library
Increase collaborative seating capacity within library spaces from 1198 seats to 2000 seats.

Testing Centers
Maintain online testing with no-wait times such as currently the case.

Student services
Space and human capital needs addressed for student counseling: Decrease wait time for mental health professional appointments.

Safety
Reduce number of slips/trips/falls as reported through EH&S newly implemented Risk Management Information System (RMIS) during the reporting period of 2016-2022.