

University Of Washington
Faculty Council on University Facilities and Services
10:00 a.m. – 11:30 a.m., November 10, 2011
26 Gerberding Hall

Meeting Synopsis:

- 1) Call to Order
- 2) Approval of Minutes for October 13, 2011 Meeting
- 3) Engineering Research Center – Russell Hall
- 4) Fluke Hall Repurposing
- 5) Master Infrastructure Plan Update
- 6) Adjournment

1. Call to Order

Chair Bill Rorabaugh called the meeting to order at 10:07 a.m.

2. Approval of Minutes for October 13, 2011 Meeting

The minutes from the FCUFS meeting on October 13, 2011 were approved.

3. Engineering Research Center – Russell Hall

Kirk Pawlowski, Assistant Vice Provost, Capital Resource Planning, Office of Planning and Budgeting, discussed the history and development of the new Engineering Research Center (ERC) for Sensorimotor Neural Engineering. This ERC will serve as a “portal” for different collaborations of graduate and undergraduate research, across academia, industry and universities. The ERC will investigate the restoration or augmentation of the human body for sensing and moving, addressed through the fields of robotics, neuroscience and computer science. Pawlowski emphasized the importance of securing physical space for this laboratory in order to get funding from the National Science Foundation, which occurred in June of 2011.

A lease within the new Russell Hall will serve as space for the ERC. This area was offered in exchange for the office space vacated by the Advancement group when it moved from offices downtown to the UW Tower. In April, a charrette, or intense collaborative pre-construction design, took place. Zimmer Gunsul Frasca performed the design work, collaborating with Professors Tom Daniel of Biology, Dean Steve Majeski of Research and Infrastructure in the College of Arts and Sciences and Professor Dave Castner, Associate Dean of Infrastructure in the College of Engineering. Pawlowski noted the benefits of close communication between ERC leads and Capital Projects, and noted quick development was due to using leased space, rather than building directly on campus. Construction began in August, and the group will move in early December. Pawlowski added by the time this proposition came forth, space was not available within the Molecular Engineering building.

The ERC’s physical environment was described to serve as a “living laboratory,” where research takes place but is visible to visitors and collaborators, with including accommodation for people with disabilities and children. This building space will be shared by the UW’s regional US Census Data Access Center, and blending of space serves as a cost effective option, costing \$1 million for 6,000 ft². Once the ERC grant runs out, this space will be retained by the university.

4. Fluke Hall Repurposing

Pawlowski gave a background of the withdrawal of the recently reconstituted Washington Technology Center from Fluke Hall on campus. Fluke Hall is being transformed into a shared space for the Center for Commercialization and the College of Engineering. John Seidelmann, Principal Planner from the Office of Planning and Budgeting, described the current state of the building and described the necessary efforts to transform it appropriately. There are three main efforts: 1) Building systems, 2) Center for Commercialization new ventures “incubators” , and 3) College of Engineering Microfabrication facility. Seidelmann presented floor plans, furniture and chairs, and branding for the building, noting that the design was to drawing people to upper floors and see what research is being done. The first floor will consist of College of Engineering, where the second and third as Center for Commercialization. Phasing will take place of the project to not interrupt researchers work, focusing initially on conversion of office areas to research space and provide building systems to support the new functionality.

After being asked about the cost and funding strategy for this project, Pawlowski clarified a potential cost of \$8-10 million for infrastructure improvements for this 90,000 ft² building. Funding will probably come from recalculating minor capital allocation for facilities preservation, and will stretch out beyond the next 18 months due to the phasing of this project. Pawlowski noted that the highest driver of cost could be the clean room, more likely to spend between the \$2 -10 million on clean room space, potential \$40 - \$50 million spent in other universities, and possibly \$500,000 on the third floor. Common spaces will be limited to the first and third floors. Bruce Balick expressed concern of pressure for using such spaces for biomedical research, but Pawlowski noted that this research will be high tech, bioengineering and other types of research, not biomedical. Pawlowski will provide another update on this project to FCUFS in a year.

5. Master Infrastructure Plan Update

Pawlowski discussed the infrastructure to provide support for the university to do its work, prioritizing infrastructure. Energy is a very significant cost within the university, and there is importance in taking account of this when building additional infrastructure. Pawlowski showed a presentation that he and Charles Kennedy gave to business officers. Planning for the Master Infrastructure Plan began through evaluating case studies, and the model was formed through three 2 hour sessions. Pawlowski described the composition of the planning group, which defined infrastructure as “the physical fabric that supports and sustains the academic, research, clinical programs of the University.” There were eleven key observations that the group found, as follows:

1. Establish Key Performance Indicators = Achieving Measurable 2030 targets
2. Partnership in Planning, Operations & Design = Integration & Excellence
3. Value Open Space = Community Building Targets
4. Reuse, Clean, and Celebrate Water = Water Use Efficiency and Place-Making
5. Eco – District Centric Planning = One Capital Plan Approach to Capital Investment
6. Efficiency First in Space and Energy = Cost Reductions & Revenue Enhancement
7. Energy Resource Centers = Locations, Partnerships, and Systems
8. Smart Campus = Connect People, Research, Building Systems
9. Walk, Bike, Paddle, Transit = Transportation Demand Management
10. No Waste = Reduce, Reuse, Recycle

11. Collaborate and Leverage Investments = External and Internal Partnerships

Pawlowski discussed some challenges facing the University's energy policy: capacity constraint, meeting growth despite State funding shortfalls, and the increasing operating and capital costs. He then discussed the potential opportunities to address these challenges, and emphasized the importance of having faculty present in such discussions. Additionally, Pawlowski mentioned relevant governance models regarding energy partnerships, the need to investigate transportation planning and roundtable discussions on disaster resilience between UW, UC Berkeley, UCSF, and Stanford in Seattle in December.

6. Adjournment

Chair Rorabaugh adjourned the meeting at 11:33 a.m.

Minutes by Jay Freistadt, Faculty Council Support Analyst. jayf@u.washington.edu

Present: **Faculty:** Rorabaugh (Chair), Proksch, Ozubko, Balick
 Ex-Officio Reps: Zuchowski, Byrne, Goldblatt
 Guests: Seidelman, Pawlowski

Absent: **Faculty:** Gates, Treser
 President's Designee: Kennedy
 Ex Officio Rep: