UMKC Facilities Management and Parking Operations Faculty Senate Presentation

October 6, 2015



Presentation Outline

- Capital Projects Update
 - 51 Oak Mixed Use Project
 - OPAC Spencer Theatre Renovation and Lobby Addition
 - Robert W. Plaster Free Enterprise Center
 - Spencer Chemistry Building/School of Biological Sciences Renovations Phase 1 and Phase 2
 - Downtown Conservatory of Music and Dance
 - SCE Educational and Research Center
- Space Utilization Study
- Maintenance and Repair Funding
- Parking Operations
 - Revenue Mix
 - Permits Sold vs. Spaces Available
 - Updates on Tiered Parking Program
 - Future Parking Initiatives/Structures

Projects in Construction – 51 Oak Mixed Use Project



Projects in Construction – OPAC Spencer Theatre Renovation and Lobby Addition



Projects in Design/Planning

- Robert W. Plaster Free Enterprise Center
- Spencer Chemistry Building/ School of Biological Sciences Renovations – Phase 1 and Phase 2
- Downtown Conservatory of Music and Dance
- SCE Educational and Research Center

Space Utilization Study

PAULIEN & ASSOCIATES, Inc.





Countries

36 Years in Higher Education Planning

> Association of American Universities (AAU) Clients

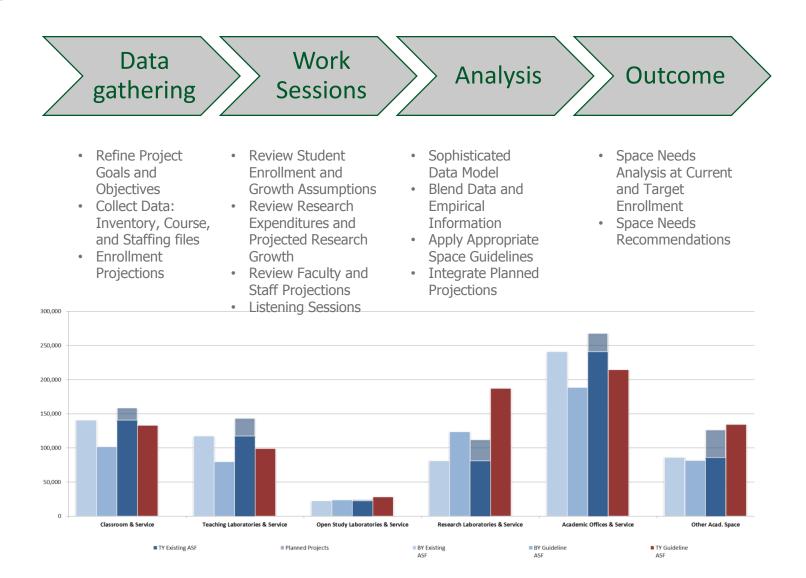
6 Flagship University Clients

Select Projects

- University of Colorado Space
 Needs Analysis
- Temple University Space Needs
- University of Kansas Engineering Building Expansion
- University of Tennessee STEM Master Plan
- University of Wisconsin-Madison College of Engineering Space Study
- University of Missouri Science
 and Technology Space Needs

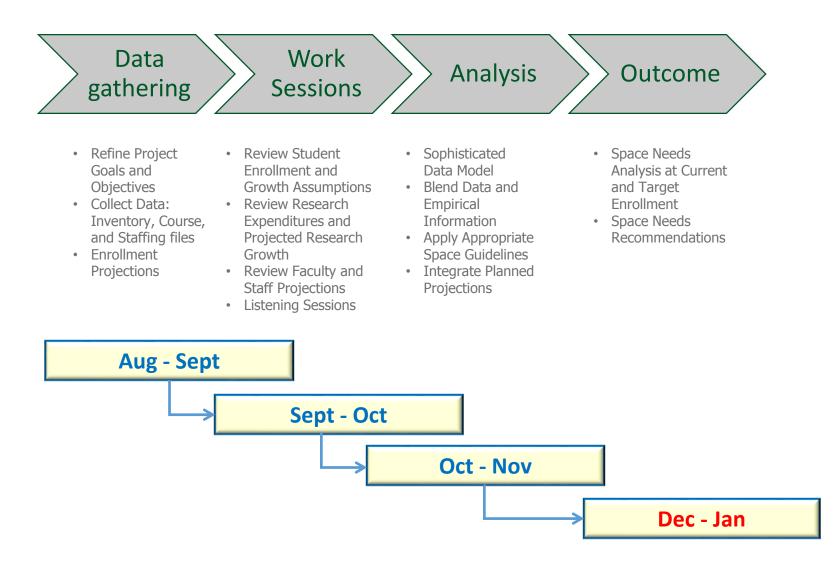
SPACE NEEDS ANALYSIS - PROCESS

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SPACE NEEDS ANALYSIS - TIMELINE

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III CLASSROOM/LABORATORY UTILIZATION METRICS

Analysis is performed on a room-by-room basis and across the inventory using proprietary data analytics with comparison to national benchmarks

Weekly Room Hours The average number of hours per week a room is scheduled over a term or semester

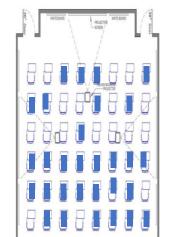
	MON	TUE	WED	THU	FRI	SAT
7:00 AM						
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Opportunities for increased utilization

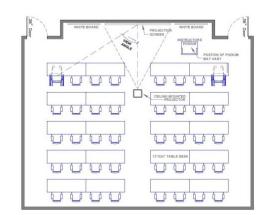
Student Station

Occupancy

The average percent of seats filled when a room is occupied during scheduled use



Opportunities for increased capacity ASF per Station The amount of space per student station. A 960 ASF classroom with 40 stations = 24 ASF/Station



Opportunities for aligning with new pedagogies



350,000 300,000 250,000 517 200,000 ble. 150,000 783 100,000 579 621 837 Assig 40444 50.00 Open Labs Research Labs Office Space Classrooms Teaching Labs Other Dept. Space Planned Existing ASF Existing ASF 2010 Guideline ASF 2013 Guideline ASF 2018 Guideline ASF 2023 Guideline ASF

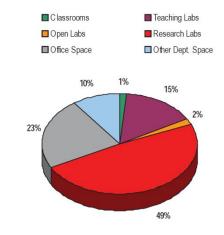
Space Needs Analysis

		2010		Planned	20	13	20	18	2023	
Space Category	Existing ASF	Guideline ASF	Surplus/ (Deficit)		Guideline ASF	Surplus/ (Deficit)	Guideline ASF	Surplus/ (Deficit)	Guideline ASF	Surplus/ (Deficit)
Academic Space										
Classroom & Service	5,190	68,657	(63,467)	5,190	68,671	(63,481)	68,762	(63,572)	68,905	(63,715)
Teaching Laboratories & Service	53,846	65,783	(11,937)	53,846	65,783	(11,937)	65,783	(11,937)	65,793	(11,947)
Open Laboratories & Service	6,656	7,275	(619)	6,656	7,309	(653)	7,356	(700)	7,358	(702)
Research Laboratories & Service	172,986	168,517	4,469	172,986	168,517	4,469	232,428	(59,442)	299,099	(126,113)
Academic Offices & Service	81,064	92,640	(11,576)	81,064	92,640	(11,576)	98,045	(16,981)	103,685	(22,621)
Other Academic Space	35,579	34,417	1,162	35,579	34,621	958	34,837	742	35,088	491
Academic Space Subtotal	355,321	437,289	(81,968)	355,321	437,541	(82,220)	507,211	(151,890)	579,928	(224,607,
TOTAL	355,321	437,289	(81,968)	355,321	437,541	(82,220)	507,211	(151,890)	579,928	(224,607)
Internal Circulation Counted as NASI	3,313			3,313						

Space Needs by Department

	2010			Planned	2013		2018		2023	
Department	Existing ASF	Guideline ASF	Surplus/ (Deficit)	Existing	Guideline ASF	Surplus/ (Deficit)	Guideline ASF	Surplus/ (Deficit)	Guideline ASF	Surplus/ (Deficit)
Biological Sciences - Biology	63,391	70,728	(7,337)	63,391	70,763	(7,372)	88,328	(24,937)	106,034	(42,643)
Center for Hearing & Deafness	9,350	12,552	(3,202)	9,350	12,560	(3,210)	13,008	(3,658)	13,480	(4,130)
Chemistry	123,976	147,991	(24,015)	123,976	148,057	(24,081)	178,085	(54,109)	211,311	(87,335)
Communicative Disorders & Sciences	13,353	17,559	(4,206)	13,353	17,592	(4,239)	17,844	(4,491)	18,225	(4,872)
Geology	37,594	35,126	2,468	37,594	35,142	2,452	36,102	1,492	37,120	474
Mathematics	19,213	30,489	(11,276)	19,213	30,505	(11,292)	30,642	(11,429)	30,681	(11,468)
Physics	46,264	59,169	(12,905)	46,264	59,197	(12,933)	72,869	(26,605)	86,574	(40,310)
Psychology	42,180	63,675	(21,495)	42,180	63,725	(21,545)	70,333	(28,153)	76,503	(34,323)
TOTAL	355,321	437,289	(81,968)	355,321	437,541	(82,220)	507,211	(151,890)	579,928	(224,607)

Facilities Master Plan Space Needs Study – Analysis by Space Type



Existing Space Distribution

Space by Building

Building	Teaching Labs			Other Acad Space	

Existing and Planned Existing Space

TOTAL	5,190	53,846	6,656	172,985	81,064	3,313	35,579	358,633
Wende Hall					132		380	512
Statler Food Commis				4,873				4,87
Park Hall				18,931	11,392	378	4,120	34,82
Nat Sci and Math I		33,443	272	69,397	21,178	146	12,880	137,31
Mathematics Bldg	2,326		1,078		14,028		1,781	19,21
Hochstetter Hall		9,717	913	24,120	6,020	342	892	42,004
Fronczak Hall	1,160	8,248	4,393	21,707	9,893	738	523	46,66
Dorsheimer Greenhou				2,004	532		3,616	6,152
Diefendorf Hall				1,411	967	620	4,746	7,74
Ctr of Excellence Bi				607				607
Cooke Hall	1,704	2,438		18,925	10,684		1,057	34,80
Cary Hall				11,011	4,535	1,089	1,388	18,023
Biomedical Education					1,703		4,066	5,769
Astronomy Observator							130	130

ASF = Assignable Square Feet

Maintenance and Repair Funding

Chasing A Moving Target



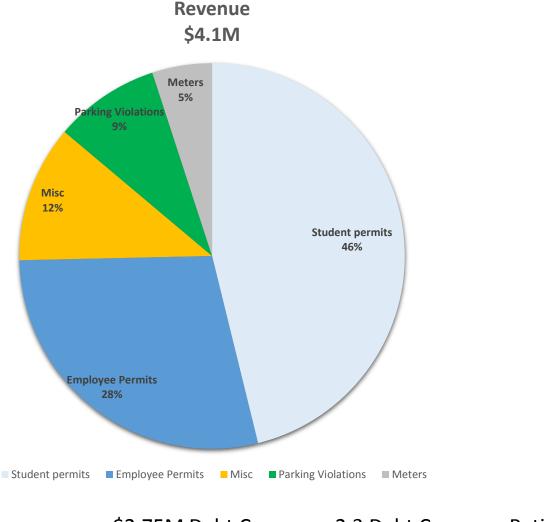
Capital spending reaching target levels in 1 of 12 years



Parking Operations

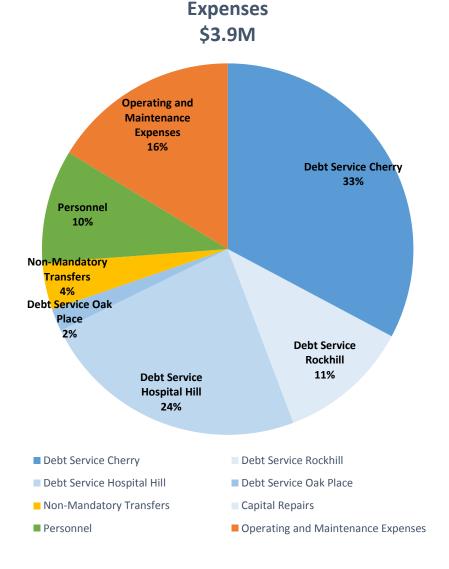


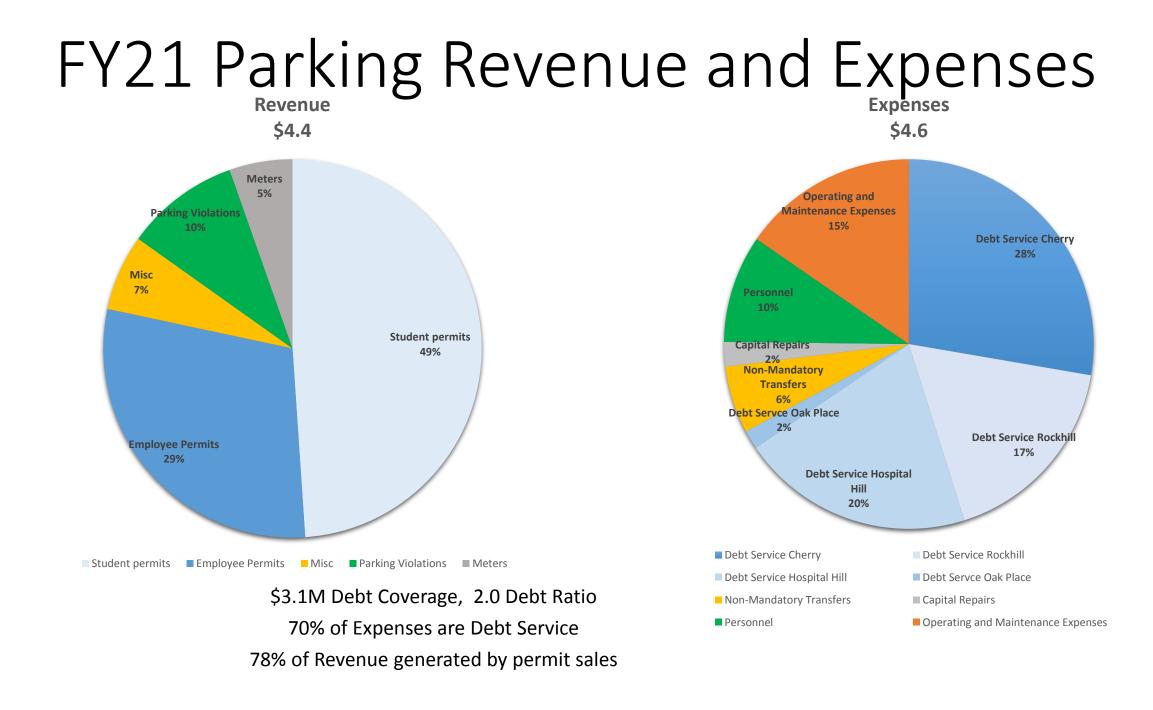
FY15 Parking Revenue and Expenses



\$2.75M Debt Coverage, 2.3 Debt Coverage Ration 70% of Expenses are Debt Service

74% of Revenue generated by permit sales



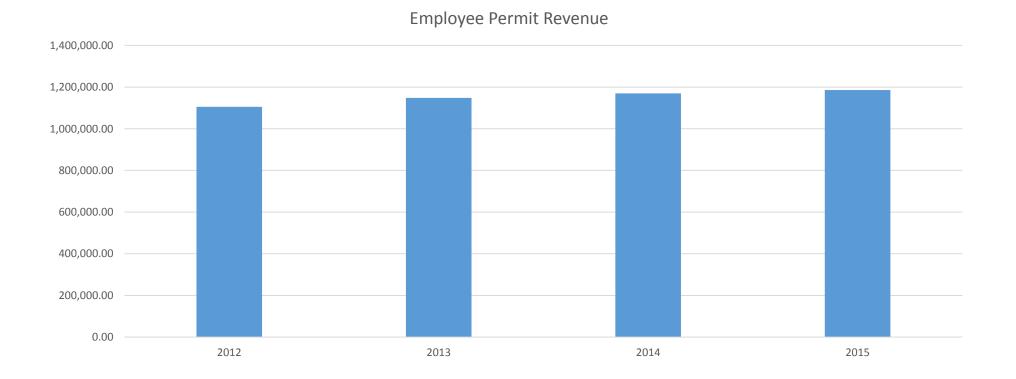


Parking Space Count

Space type	Volker Campus	Health Sciences Campus	Both Campuses
Student permit	3473	1229	4702
Faculty permit	1044	613	1657
Metered	308		314
		6	
Disability	196	59	255
*Reserved for a special purpose	165	93	258
Total	5186	2000	7186
5 Parking structures and 28 surface lots			
*Special purpose includes official or se	rvice vehicle spaces, spaces	reserved for motorcycles,	
timed spaces, dean's spaces, visitor and	l patient spaces		

Fall and Spring student permit sales between 4600-6500, summer 1400-1800. Currently 6164 permits issued. (1.3 per space:
industry benchmark is 1.4-1.5 permits per space for residential campuses and 1.8-2.0 permits per space for commuter campuses)Currently 1928 employee permits issued. 1560 - 3 year, 137 fall and 231 fall and spring. Typically issue around 2,000 per year. (1.16 permit
per space: industry standard benchmark is 1.4-1.5 per space)

Employee Permit Statistics



Two percent increase in FY12 and FY13. Tiered parking implemented FY14. In FY15 an increase of two percent for the highest tier with a gradated increase for lower tiers.