FTE Calculation Methods and Tools

North Carolina State University
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Full Time Employee (FTE)

What is the purpose for measuring FTE data and how do we use it?

How is the data is measured, timed and calculated?

What is the purpose for measuring FTE data?

Properly Staff Buildings

Employee and Staffing Validation

Labor Cleaning Cost Analysis

Cleaning Frequency Modifications

Cleaning Techniques and Procedures

Time Management

How is the data is measured, timed and calculated?

Type of Cleaning Space:

Is it an Office, Conference, Class Room or other?

Different Space Use Types Requires Different Cleaning Techniques

Converting Architectural Space to Housekeeping (HK) Spaces

Size of Each Space:

Size Does Matter when estimating cleaning times

Cleaning Time Studies:

Each HK Space Use type needs to be measured

Cleaning Time Studies are performed in all zones

All Times measurements must be documented

Name of Timer, Cleaner, Date, Time, Bldg, Space ID, SF and Cleaning Times

Basic Calculations:

Let's say for an example:
Rest Room at 1000 SF
Takes 2 hours to Detail 1 x Week (= 120 Mins)
Takes 1 Hour to Routine 4 x Week (= 240 Mins)
120 Mins + 240 Mins = 360 Mins per Week

72 Avg. Daily Mins / 420 Daily Work Time Mins *
= 0.17142869 Raw FTEs
Which means that Raw FTE x 40 = 6.86 hours per week used in this space

Daily Work Time Mins
Housekeeping Daily Work time = 420 (480 – 60 mins)
Two 15 Min breaks = 30 Mins
Plus 30 Mins for meetings, travel and setup & tear down time

There is an additional FTE Allowance that divides the total average vacation time (181) by the combined annual work hours per employee 2,088) which is multiplied by the Raw FTE which will equal the total FTE (8.669%).

Assembling the data for FTE calculations

Architectural Room Descriptions with Square Feet:

Having a resource to pull the room types and areas is essential

Must have the ability to export the building reports and paste in Excel

Delineate Housekeeping space uses from Architectural descriptions

Example: Convert "Analytical Provost Office" to "Office"

After converting to the HK space uses, group them accordingly

Add all of the square feet of each group

Continuing with the Rest Room data from the previous slide.
0.17142869 Raw FTEs x FTE Allowance fraction 8.66% (.0866) = FTE Allowance 0.0148604

0.17142869 Raw FTEs + 0.0148604 FTE Allowance = .1862890 Total FTE

.1862890 Total FTE / 1000 SF = .0001863 FTEs per Square Foot

What is the total FTE of 2000 SF of Rest Rooms space in the surveyed building?

.0001863 FTEs per Square Foot x 2000 = **.3726 Total FTEs**
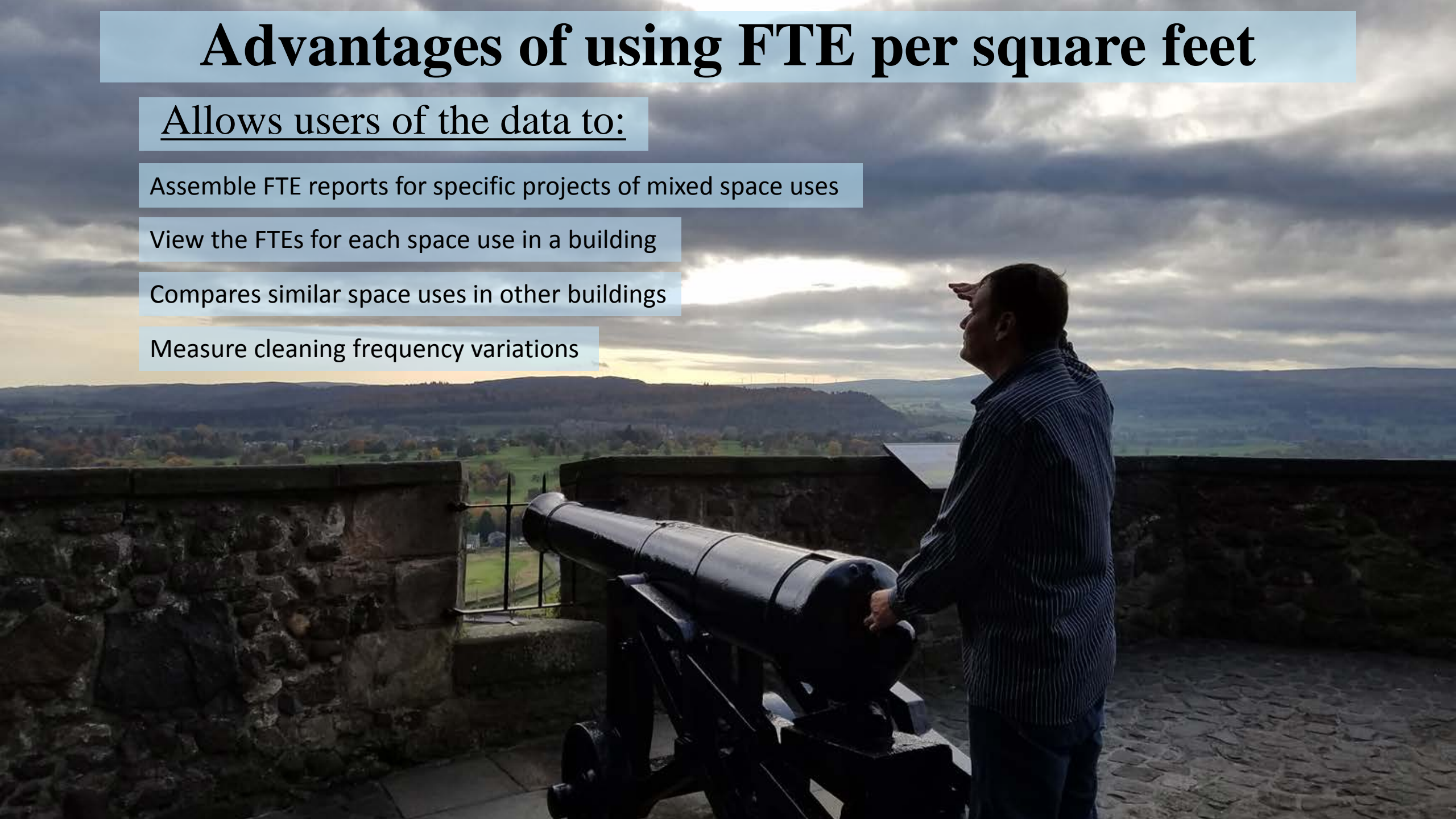
Advantages of using FTE per square feet

Allows users of the data to:

Assemble FTE reports for specific projects of mixed space uses

View the FTEs for each space use in a building

Compares similar space uses in other buildings

Measure cleaning frequency variations

How Cleaning Frequency Effects the FTE Total

Using the Rest Room Example lets change the frequency to
One Detail Day and **One** Routine Day and Compare with the One Detail / Four Routines

Takes 2 hours to Detail 1 x Week (= 120 Mins)
Takes 1 Hour to Routine 1 x Week (= 60 Mins)

Takes 2 hours to Detail 1 x Week (= 120 Mins)
Takes 1 Hour to Routine 4 x Week (= 240 Mins)

Detail 120 Mins + Routine 60 Mins = 180 Mins per Week

120 Mins + 240 Mins = 360 Mins per Week

36 Avg. Daily Mins / 420 Daily Work Time Mins
 = .0857143 Raw FTEs

72 Avg. Daily Mins / 420 Daily Work Time Mins
 = 0.17142869 Raw FTEs

.0857143 Raw FTEs x .0866 FTE Allowance Fraction
 = .0931445 Total FTE

0.17142869 Raw FTEs x FTE Allowance fraction 8.66% (.0866)
= FTE Allowance 0.0148604

.0931445 Total FTE / 1000 Square Feet
= .0000931 FTEs per Square Foot

.1862890 Total FTE / 1000 SF
= .0001863 FTEs per Square Foot

This can be very time consuming assembling different spreadsheets of the same buildings just modify the cleaning frequencies

Organize the Building Data First

There should be a list of measured building spaces with room descriptions

Find it or Create it!   If you need to create go to the Blue Print Archives and start logging it onto spreadsheets

If you are logging onto an Architectural website the data base may look similar to this page.

Notice how detailed Use Descriptions contain too much information.

This type of data layout is helpful but complicates housekeeping space delineation and separation of space uses.

Ideally separate Housekeeping Space Use labels with their own columns would be ideal.

Type in part of Building Name or Number	%	Select Building	008 - Peele Hall
Type in beginning of OUC	%	Select OUC	000000 - _UNKNOWN OUC, 010101 -
Floor	Second Floor	Site	North, South, West, Centennial, Lake
Select Room Use Code	Undesignated, 000 Unclassified F		

Bldg#	Bldg Name	Floor	Room #	Use Code	Use Description	OUC Code	OUC Name	Area
							Total	6,459
008	Peele Hall	02	200	YYY	Vestibule	099999	Building Support - Unassigned (OUA)	72
008	Peele Hall	02	202	310	Admissions	020101	Admissions	129
008	Peele Hall	02	202A	310	Office Asst. Director	020101	Admissions	123
008	Peele Hall	02	202B	310	Office Asst. Director	020101	Admissions	122
008	Peele Hall	02	202C	310	Admissions Receptionist	020101	Admissions	142
008	Peele Hall	02	203	310	Admissions Receptionist	020101	Admissions	292
008	Peele Hall	02	203A	350	Director Conference	020101	Admissions	153
008	Peele Hall	02	203B	310	Office Director	020101	Admissions	174
008	Peele Hall	02	203C	310	Office Admin Assistant	020101	Admissions	90
008	Peele Hall	02	203D	315	Interview	020101	Admissions	108
008	Peele Hall	02	203E	310	Office Assoc. Director	020101	Admissions	108
008	Peele Hall	02	203F	310	Office Sr. Assoc. Director	020101	Admissions	148
008	Peele Hall	02	203G	310	Office Sr. Assoc. Director	020101	Admissions	125
008	Peele Hall	02	203H	315	Storage	020101	Admissions	66
008	Peele Hall	02	204	WWW	Stair	099999	Building Support - Unassigned (OUA)	176
008	Peele Hall	02	206	315	Prep	012101	Park Scholars	215

How NCSU Housekeeping Created their Database

Fortunately we did have an Architectural database!

The First part was translating the Office of University Architects (OUA) Room Descriptions to Housekeeping Space Uses.

I created a list of Housekeeping Space Uses with 3 character acronyms codes.

Then created drop down cells to align each OUA Room Description with the appropriate Housekeeping Space Use

Return to Translator

Drop Downs
Add Housekeeping Space Use list
Select matches from dropdown list

FMI Room Use Code	S-ROOM USE CODES LIST Description			Housekeeping Space Uses	HK Codes
	Undesignated	0			0
000	Unclassified Facilities	000			0
010	Elevator	010		Elevator	ELV
011	Men's Toilet Equipped for Mobility Impaired	011		Restroom Toilet	RMT
012	Women's Toilet Equipped for Mobility Impaired	012		Restroom Toilet	RMT
013	Unisex Toilet Equipped for Mobility Impaired	013		Restroom Toilet	RMT
050	Inactive Area	050		No Service	XOX
060	Alteration or Conversion Area	060		No Service	XOX
070	Unfinished Area	070		No Service	XOX
110	Classroom	110		Classroom	CLS
110D	Distance Ed Classroom	110D		Classroom	CLS
115	Classroom Service	115		Classroom	CLS
115D	Distance Ed. Classroom Support	115D		Classroom	CLS
210	Class Laboratory	210		Laboratory Class	LBC
215	Class Laboratory Service	215		Laboratory Class	LBC
220	Open Laboratory	220		Laboratory Open	LBO
225	Open Laboratory Service	225		Laboratory Open	LBO
250	Research/Nonclass Laboratory	250		Laboratory Research/Nonclass	LRN
255	Research/Nonclass Laboratory Service	255		Laboratory Research/Nonclass	LRN
300	Office Facilities	300		Office	OF1
310	Office	310		Office	OF1
315	Office Service	315		Copy / Print	CPY
350	Conference Room	350		Conference Room	CNF
355	Conference Room Service	355		Conference Room	CNF
410	Study Room	410		Study Room	SDR
420	Stack	420		Stacks Library	STK

How NCSU Housekeeping Created their Database

The next part of the process setting up the Housekeeping Space Use to trigger off of the OUA Room Description Codes which was only about 60% successful

I would organize the OUA data from their server using their room descriptions and paste the Gross Square Feet (GSF) data into my spreadsheet.

Any Housekeeping Space Uses that were incorrectly triggered in the assigned column had to be adjusted in the Space Use Corrections column

The Cleanable SF column's data was fortified by the Housekeeping Space Use determination where the CSF was multiplied by 1 and Non CSF was multiplied by 0.

	A	B	C	D	E	F	G	H	I	J	K
1		SORT TAB			Gross SF	Cleanable SF	Home			SORT TAB	
2		Owen Residence Hall					Return to 1				
3		"Ctrl + s" to Sort HK Space Uses then click "Ok" in pop up window		"Ctrl + x" to UN- Sort HK Space Uses			Spaces listed below are translated from the FMI Space Use Descriptions to Housekeeping Terms	FMI HK Space Use Code	Cleaned?	Any changes made in this column are temporary. All permanent changes must be made on the original tab ("Return to #")	
4	Bldg #	Bldg Name	Room #	FMI Space Use Description	Gross SF	Cleanable SF	Housekeeping Space Uses		1	Space Use Corrections	
5	092	Owen Residence Hall	16	Corridor	1362	1362	Corridor	CRR	1	0	
6	092	Owen Residence Hall	17	Mechanical Pump	85	0	No Service	XOX	0	0	
7	092	Owen Residence Hall	18	Transformer	127	0	No Service	XOX	0	0	
8	092	Owen Residence Hall	20	Vestibule	210	210	Corridor	CRR	1	0	
9	092	Owen Residence Hall	24	Storage-Custodial	10	0	No Service	XOX	0	0	
10	092	Owen Residence Hall	25	Corridor	316	316	Corridor	CRR	1	0	
11	092	Owen Residence Hall	26	Stairs	120	120	Stairs	STR	1	0	
12	092	Owen Residence Hall	28	Laundry	207	207	Laundry	LDN	1	0	
13	092	Owen Residence Hall	29	Toilet-Women	55	55	Rest Room Public	RPB	1	0	
14	092	Owen Residence Hall	30	Mechanical	232	0	No Service	XOX	0	0	
15	092	Owen Residence Hall	31	Telecom	152	0	No Service	XOX	0	0	
16	092	Owen Residence Hall	32	Custodial	10	0	No Service	XOX	0	0	
17	092	Owen Residence Hall	33	Office-Hskpg Zone Mgr	207	0	No Service	XOX	0	0	
18	092	Owen Residence Hall	34	Sleep/Study	223	223	Sleep/Study No Bathroom	HB3	1	0	
19	092	Owen Residence Hall	35	Sleep/Study	207	207	Sleep/Study No Bathroom	HB3	1	0	
20	092	Owen Residence Hall	36	Storage-Fyc	209	209	Storage	SOR	1	0	
21	092	Owen Residence Hall	37	Sleep/Study	218	218	Sleep/Study No Bathroom	HB3	1	0	
22	092	Owen Residence Hall	38	Storage-Fyc	213	213	Storage	SOR	1	0	
23	092	Owen Residence Hall	39	Sleep/Study	217	217	Sleep/Study No Bathroom	HB3	1	0	
24	092	Owen Residence Hall	40	Toilet/Bath	473	473	Toilet/Shower	TSW	1	0	
25	092	Owen Residence Hall	41	Sleep/Study	208	208	Sleep/Study No Bathroom	HB3	1	0	
26	092	Owen Residence Hall	43	Sleep/Study	209	209	Sleep/Study No Bathroom	HB3	1	0	

Notice the number of corrections that had to made in order to create a useful Housekeeping Space Use list.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1		**Building 7**				Gross SF	Cleanable SF	**Home Directory**						
2	222G	**Gray Hall-Wolf Village Apartments Bldg G**				53,233	45,766	Housekeeping Space Use Terms		Edit 1/0				
3	Go to FM Interact under + "Housekeeping" + "Reports"+ "30.02 Housekeeping Basic Detail" select Building export in Excel open file then copy and paste the first 6 columns of building data in the appropriate columns below.							Spaces listed below are translated from the FMI Space Use Codes to Housekeeping Terms	Preliminary HK Space Use Code	Cleaned?	Is the HK Space Use Term Correct?	If the Housekeeping Space Use Terms on the left Do Not represent the space accurately please correct with dropdown menu cells below.	FINAL Housekeeping Space Use Term	Final HK Space Use Code
4	Bldg #	Bldg Name	Room #	FMI Space Use Description	FMI Room Use Code	Gross Area	Cleanable SF	Housekeeping Space Uses		1	T or F?	Space Use Correction	HK Space Use Term	
10	222G	Gray Hall-Wolf Village Apartments Bldg G	103	Seminar/Meeting Room	680	682	682	Conference Room	CNF	1	TRUE		Conference Room	CNF
11	222G	Gray Hall-Wolf Village Apartments Bldg G	103A	Kitchen	630	181	181	0	0	1	FALSE	Apartment Kitchen	Apartment Kitchen	HA5
12	222G	Gray Hall-Wolf Village Apartments Bldg G	104	Elevator Equipment	YYY	56	0	No Service	XOX	0	TRUE		No Service	XOX
13	222G	Gray Hall-Wolf Village Apartments Bldg G	106	Custodial	XXX	45	0	Building Service Area	BSA	0	TRUE		Building Service Area	BSA
14	222G	Gray Hall-Wolf Village Apartments Bldg G	108	Lobby	WWW	61	61	0	0	1	FALSE	Lobby	Lobby	LOB
15	222G	Gray Hall-Wolf Village Apartments Bldg G	109	Telecommunications	710	102	0	No Service	XOX	0	TRUE		No Service	XOX
16	222G	Gray Hall-Wolf Village Apartments Bldg G	110A	Office	310	103	103	Office	OF1	1	TRUE		Office	OF1
17	222G	Gray Hall-Wolf Village Apartments Bldg G	110B	Office	310	113	113	Office	OF1	1	TRUE		Office	OF1
18	222G	Gray Hall-Wolf Village Apartments Bldg G	110C	Office	310	103	103	Office	OF1	1	TRUE		Office	OF1
19	222G	Gray Hall-Wolf Village Apartments Bldg G	110D	Office	310	103	103	Office	OF1	1	TRUE		Office	OF1
20	222G	Gray Hall-Wolf Village Apartment Bldg G	111A	Mail Room	315	240	240	Copy / Print	CPY	1	TRUE		Copy / Print	CPY
21	222G	Gray Hall-Wolf Village Apartments Bldg G	111B	Office	310	357	357	Office	OF1	1	TRUE		Office	OF1
22	222G	Gray Hall-Wolf Village Apartments Bldg G	111C	Office	310	118	118	Office	OF1	1	TRUE		Office	OF1
23	222G	Gray Hall-Wolf Village Apartments Bldg G	111D	Office	310	124	124	Office	OF1	1	TRUE		Office	OF1
24	222G	Gray Hall-Wolf Village Apartments Bldg G	111E	Office	310	148	148	Office	OF1	1	TRUE		Office	OF1
25	222G	Gray Hall-Wolf Village Apartments Bldg G	111F	Office	310	136	136	Office	OF1	1	TRUE		Office	OF1
26	222G	Gray Hall-Wolf Village Apartments Bldg G	112	Living Room	955	311	311	0	0	1	FALSE	Apartment Living Room	Apartment Living Room	HA6
27	222G	Gray Hall-Wolf Village Apartments Bldg G	112B	Toilet	955	57	57	0	0	1	FALSE	Apartment Bathroom	Apartment Bathroom	HA2
28	222G	Gray Hall-Wolf Village Apartments Bldg G	112C	Bedroom	950	97	97	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3
29	222G	Gray Hall-Wolf Village Apartments Bldg G	112D	Bedroom	950	95	95	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3
30	222G	Gray Hall-Wolf Village Apartments Bldg G	112E	Bedroom	950	95	95	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3
31	222G	Gray Hall-Wolf Village Apartments Bldg G	112F	Bedroom	950	97	97	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3
32	222G	Gray Hall-Wolf Village Apartments Bldg G	112G	Toilet	955	71	71	0	0	1	FALSE	Apartment Bathroom	Apartment Bathroom	HA2
33	222G	Gray Hall-Wolf Village Apartments Bldg G	112H	Kitchen	955	76	76	0	0	1	FALSE	Apartment Kitchen	Apartment Kitchen	HA5
34	222G	Gray Hall-Wolf Village Apartments Bldg G	112J	Mechanical	YYY	28	0	No Service	XOX	0	TRUE		No Service	XOX
35	222G	Gray Hall-Wolf Village Apartments Bldg G	113	Living Room	955	309	309	0	0	1	FALSE	Apartment Living Room	Apartment Living Room	HA6
36	222G	Gray Hall-Wolf Village Apartments Bldg G	113B	Kitchen	955	76	76	0	0	1	FALSE	Apartment Kitchen	Apartment Kitchen	HA5
37	222G	Gray Hall-Wolf Village Apartments Bldg G	113C	Toilet	955	71	71	0	0	1	FALSE	Apartment Bathroom	Apartment Bathroom	HA2
38	222G	Gray Hall-Wolf Village Apartments Bldg G	113D	Bedroom	950	97	97	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3
39	222G	Gray Hall-Wolf Village Apartments Bldg G	113E	Bedroom	950	95	95	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3
40	222G	Gray Hall-Wolf Village Apartments Bldg G	113F	Bedroom	950	95	95	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3
41	222G	Gray Hall-Wolf Village Apartments Bldg G	113G	Bedroom	950	97	97	Apartment Resident	HA7	1	FALSE	Apartment Bedroom	Apartment Bedroom	HA3

Bldg 2 | Bldg 2 FTE | Bldg 3 | Bldg 3 FTE | Bldg 4 | Bldg 4 FTE | Bldg 5 | Bldg 5 FTE | Bldg 6 | Bldg 6 FTE | Bldg 7 | Bldg 7 FTE | Bldg 8

The Creation of a HK Space Use Application on OUA's Facility Management Interact (FMI) System

The Need: Delineating individual room description types from FMI was too time consuming and always required back tracking to fix errors in the data. Cleanable Square Feet (CSF) data had to be imported into the tools to calculate values.

The Design: OUA already had a method to delineate their room descriptions on FMI which enabled the user to export and sort data according to the particular needs of the inquiry. Housekeeping developed it's own space use types with the associate HK codes. The space use would be divided in a similar manor to create their unique departmental queries.

The Implementation: Since FMI did not have a HK module one had to be developed from scratch. We worked together with a FMI client consultant to develop a few prototypes and ran several scenarios through the BETA development modules. Review the primary components of the data and how it should be displayed on the reports. HK determined that the best course of action was to utilize our the predetermined data columns used in previous models.

How Housekeeping Spaces Uses look on FMI

Bldg #	Bldg Name	Room #	HK Use Code	HK Use Description	Gross Area	Cleanable Area	Last Data Update
				Totals: 60,074	60,074	58,803	
092	Owen Residence Hall	1000	STR	Stairs	112	112	4/02/2015
092	Owen Residence Hall	1002	STR	Stairs	111	111	4/02/2015
092	Owen Residence Hall	1003	STR	Stairs	127	127	2/18/2014
092	Owen Residence Hall	1004	CRR	Corridor	2,712	2,712	4/06/2015

Which fits very nicely into our FTE Building Data Import pages

Building 20		Go to Bldg 1		Home Directory		Gross SF	Cleanable SF	
0	0			Housekeeping Space Use Terms		0	0	

Bldg #	Bldg Name	Room #	HK Code	Housekeeping Space Uses	Gross Area	Cleanable SF	Last Update
			UKN	UNKNOWN			
			UKN	UNKNOWN			
			UKN	UNKNOWN			
			UKN	UNKNOWN			
			UKN	UNKNOWN			
			UKN	UNKNOWN			
			UKN	UNKNOWN			
			UKN	UNKNOWN			
			UKN	UNKNOWN			

More FMI Housekeeping Module Reports

The OUA Comparison Report allows HK to view both the OUA room description and the HK Space Use side by side

NC STATE UNIVERSITY

Housekeeping to OUA Comparison Report

Print Date 12/20/2016

Bldg #	Bldg Name	Room #	Use Description	Room Use Code	HK Use Code	HK Use Description	Gross Area	Cleanable Area	Last Data Update
						Totals: 60,074	60,074	58,803	
092	Owen Residence Hall	1000	Stairs	WWW	STR	Stairs	112	112	4/02/2015
092	Owen Residence Hall	1002	Stairs	WWW	STR	Stairs	111	111	4/02/2015
092	Owen Residence Hall	1003	Stairs	WWW	STR	Stairs	127	127	2/18/2014
092	Owen Residence Hall	1004	Corridor	WWW	CRR	Corridor	2,712	2,712	4/06/2015
092	Owen Residence Hall	101	Office-Ra	310	OF1	Office	200	200	4/06/2015
092	Owen Residence Hall	102	Admissions Show Room	550	ASR	Admissions Show Room	199	199	4/02/2015

This view allows HK to see the total GSF and CSF of any zones

Zone	Bldg #	Bldg Name	Number of Spaces	HK Space Use	Cleanable SF	Gross SF
		Grand Totals:	37,937		8,463,296	9,920,208
⊞ A1		Zone Totals:	2,197		460,242	530,718
⊞ A2		Zone Totals:	1,593		463,007	508,634
⊞ A3N		Zone Totals:	666		411,101	437,973
⊞ A4D		Zone Totals:	1,296		311,325	387,226
⊞ A4N		Zone Totals:	1,344		441,353	505,934
⊞ A5		Zone Totals:	2,250		525,090	604,647
⊞ A6		Zone Totals:	1,904		460,205	537,662
⊞ A7		Zone Totals:	1,690		355,366	398,916
⊞ A8		Zone Totals:	1,369		312,879	388,819

Select one of the zones in the report above and see the GSF and CSF of any of the buildings in a zone

Zone	Bldg #	Bldg Name	Number of Spaces	HK Space Use	Cleanable SF	Gross SF
		Grand Totals:	37,937		8,463,296	9,920,208
⊟ A1		Zone Totals:	2,197		460,242	530,718
	002	Memorial Belltower	1		0	146
	003	Holladay Hall	147		23,011	23,971
	004	Winslow Hall	61		9,216	10,739
	006	Primrose Hall	27		2,880	3,041
	008	Peele Hall	112		18,296	19,619
	017	Information Center	1		38	38

FMI Changing Building Zone Designations

	Edit	036	1911 Bldg	NIN
☐	Edit	920	20 Enterprise St.	ENT
☐	Edit	020A	2100 Hillsborough Street (Demolished)	HS1
☐	Edit	907	219 Oberlin Road	OBR
☐	Edit	280A	2319 1/2 Champion Court	CH1

Items 1 to 50 of 1507   Page: 1 of 31 Go   Page size: 50

Housekeeping | Building Information | Floors | Documents | History

Housekeeping Zone   A4N

The Housekeeping FMI administrator can select any building and change the zone designation.

When building zone numbers are changed it has an immediate effect on the total GSF and CSF of the 2 zones that were affected

Housekeeping - Zone Summary Report

Print Date   01/10/2017

Zone	Bldg #	Bldg Name	Number of Spaces	HK Space Use	Cleanable SF	Gross SF
		Grand Totals:	37,827		8,466,041	9,866,344
⊞ A1		Zone Totals:	2,196		460,262	530,731
⊞ A2		Zone Totals:	1,593		463,007	508,634
⊞ A3N		Zone Totals:	666		411,101	437,973
⊞ A4D		Zone Totals:	1,296		311,325	387,226
⊞ A4N		Zone Totals:	1,344		441,353	505,934
⊞ A5		Zone Totals:	2,250		525,090	604,647
⊞ A6		Zone Totals:	1,904		460,205	537,662
⊞ A7		Zone Totals:	1,690		355,366	398,916

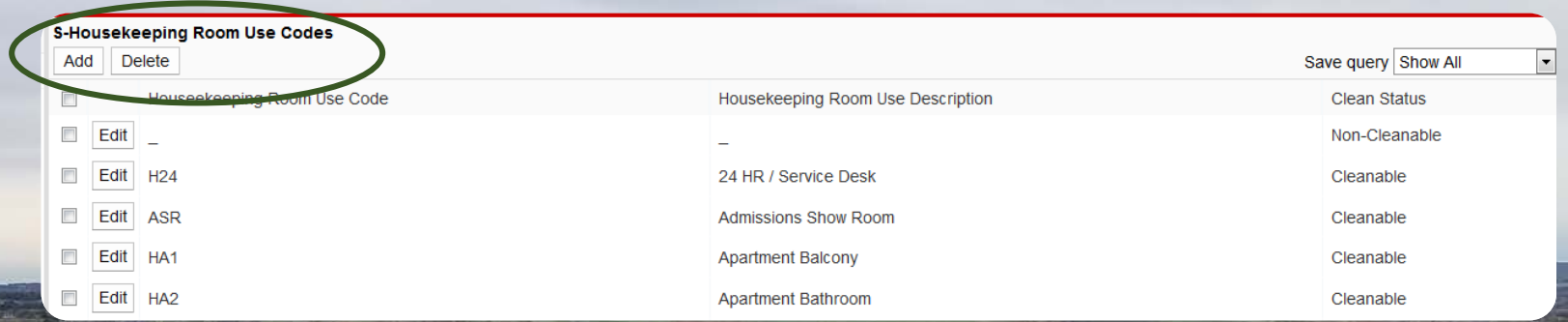This will also have an impact on the FTE totals of the zone once the system is automated   We're not there yet!

HK Space Use Codes Edit

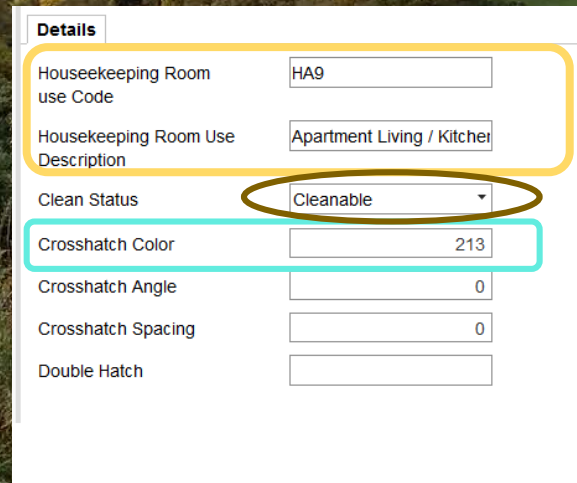The ability to add, remove or edit HK space use codes is a valuable feature

We can create additional space use types for receipt accounts, special contractual projects or add space uses that may be needed on future projects.

Add or Delete buttons for HK space uses

S-Housekeeping Room Use Codes

Add   Delete   Save query Show All

		Housekeeping Room Use Code	Housekeeping Room Use Description	Clean Status
☐	Edit	_	_	Non-Cleanable
☐	Edit	H24	24 HR / Service Desk	Cleanable
☐	Edit	ASR	Admissions Show Room	Cleanable
☐	Edit	HA1	Apartment Balcony	Cleanable
☐	Edit	HA2	Apartment Bathroom	Cleanable

When Editing or Creating a HK Space Use we can call it whatever we want, however the space use code can only be 3 characters.

Cleanable or Non Cleanable select window

Details

Houseekeeping Room use Code	HA9
Housekeeping Room Use Description	Apartment Living / Kitchen
Clean Status	Cleanable
Crosshatch Color	213
Crosshatch Angle	0
Crosshatch Spacing	0
Double Hatch	

The Crosshatch color is from the Auto CAD color wheel and will display the selected number that represents the space use type on the floor plan.

Comparing OUA and Housekeeping Floorplan Color Scheme Legends on FMI

OUA descriptions are labeled differently and common spaces like corridors, restrooms and stairs are omitted from the Assignable Total SF.
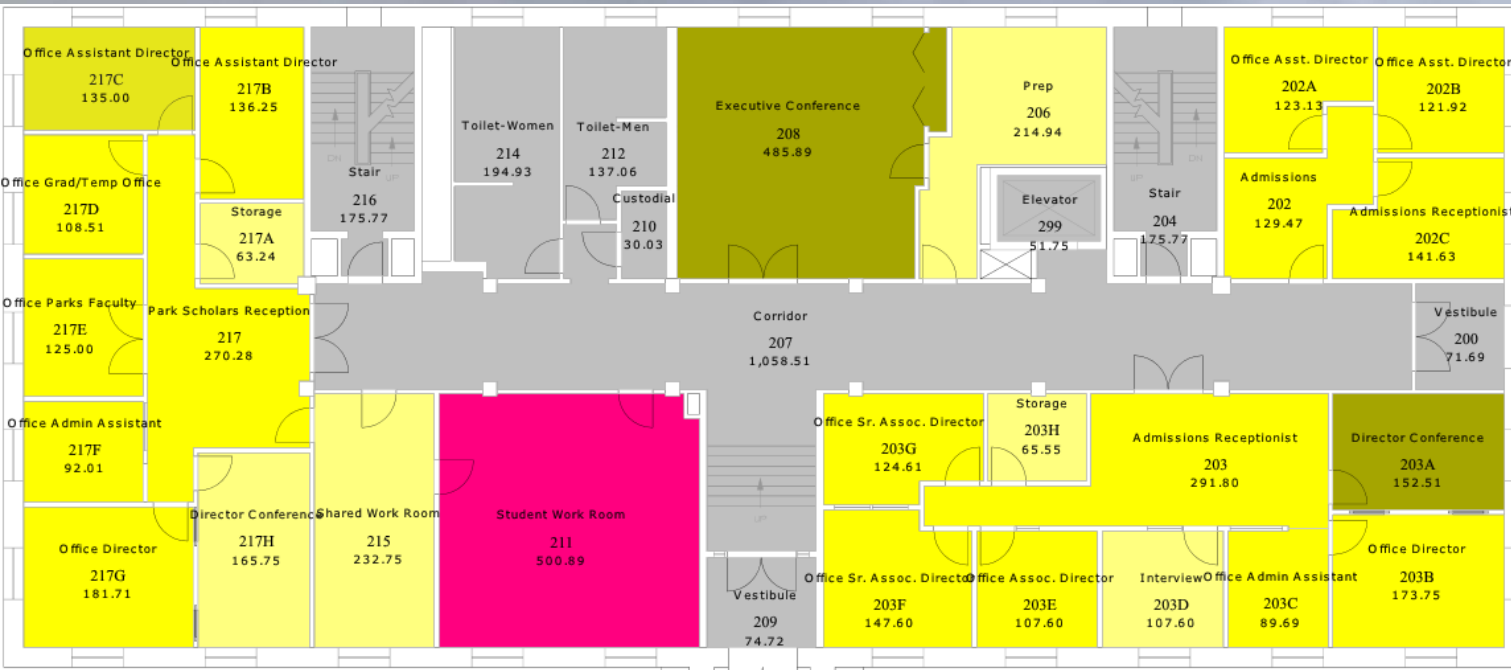
Room Use Code	Room Use Desc	Assignable SF
010	Elevator	0
011	Men's Toilet Equipped for Mobility Impaired	0
012	Women's Toilet Equipped for Mobility Impaired	0
310	Office	2,500
315	Office Service	850
350	Conference Room	638
410	Study Room	501
WWW	Circulation Area	0
XXX	Building Service Area	0
YYY	Mechanical Area	0
Total		4,489

This is a breakdown of the Housekeeping Space Use Types in FMI floor plan layering system.

The legend here breaks down the space uses displayed on the floor plan

HK Room Use Code	HK Room Use Description	Area
CNF	Conference Room	639
CPY	Copy / Print	166
CRR	Corridor	1,059
ELV	Elevator	52
HKC	Housekeeping Closet	30
KIT	Kitchen	215
NTV	Interview/Observation Room	108
OF1	Office	1,811
ORW	Office Workstations	421
RLW	Reception Lounge/Waiting	270
RMT	Restroom Toilet	332
SDR	Study Room	501
SOR	Storage	129
STR	Stairs	352
VST	Vestibule	147
WKR	Work Room	233
Total		6,465
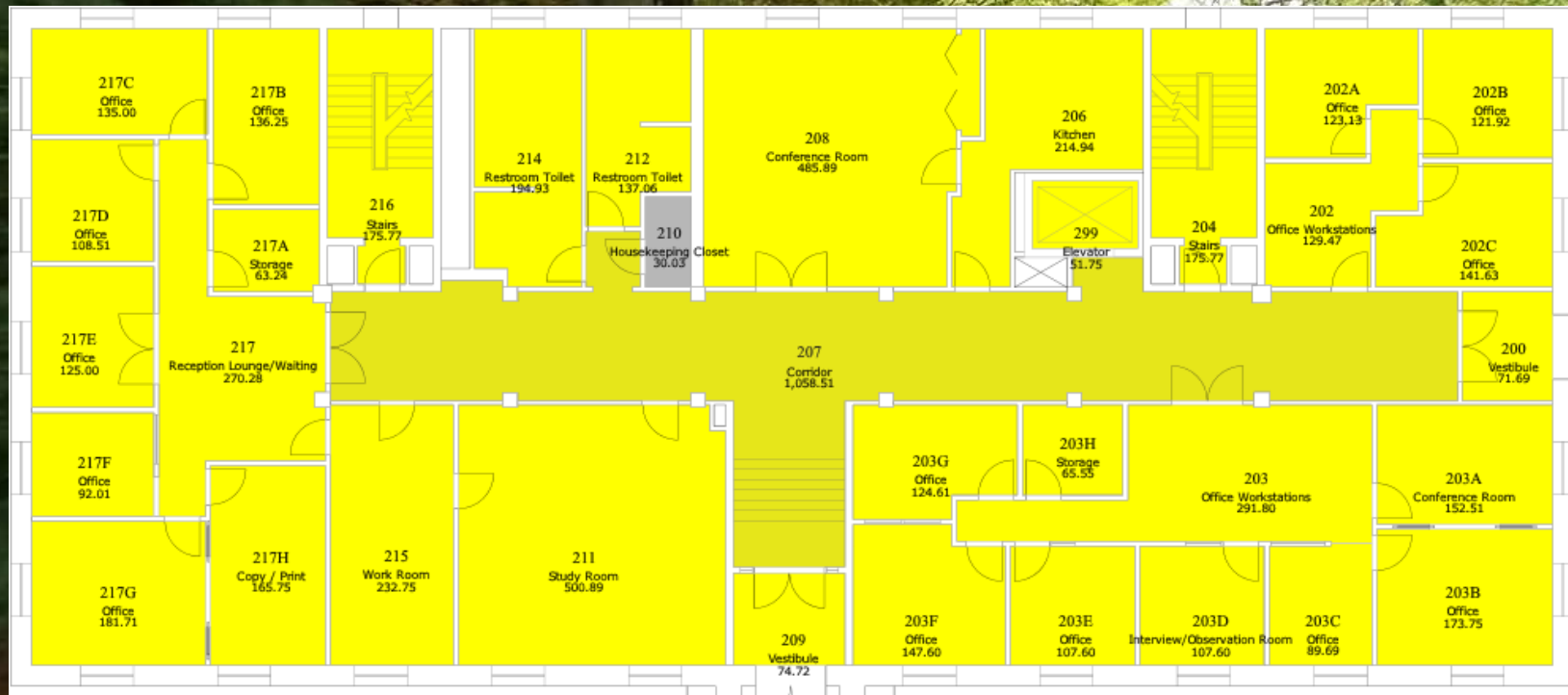
Modification of a space use on the floor plan

When a space is selected on the floor plan, several topics about the space appear.

DN

202
Office Workstations
129.47

202C
Office
141.63

s
7

OUA information

Building Number, Name and floor displayed

Housekeeping Information Edit
Bldg	008
Room #	202C Zoom to room
Area	141.63
Housekeeping Room Use Code	OF1
Housekeeping Room Use Description	Office
Clean Status	Cleanable

OUA Information
OUC	320101
OUC Code Name	Admissions
OUA Room Use Code	310
OUA Room Use Code Description	Office
Usage Description	Admissions Receptionist
Last Updated Date	8/15/2013
Last Updated User	WOLFTECH\arthomp6

Occupants
Employee	Unity ID	Primary FTE	Primary OUC
Griffin, Thomas	THGRIFFI	1.000000	320101

Building
Bldg #	008
Bldg Name	Peele Hall
Bldg Abbreviation	PH
Floor	02

Housekeeping
Information
Includes HK Space Use
Code, Description and
Clean Status.

Edit space
by clicking
"Edit" link
which
opens
window >>

Room Info
Bldg	008 Peele Hall	Select	Clear
Room #	202C		
Area	141.63		
Housekeeping Room Use Code	i OF1 Office	Select	Clear

Under "Occupant" is a link
to contact the user of the space

Select to update HK Space Use here

Delineating Space Use Types to Matrix Terms

There are about 130 Housekeeping Space Uses available.

Creating a matrix spreadsheet and graphs with 130 columns is insane!

So we combine HK space uses which have similar cleaning needs

Toilet Rooms and Rest Rooms

Corridors and Circulation

Conference Rooms and Meeting Rooms

By combining similar space uses we derive at what we call the "Cleaning Matrix Term"

The "Cleaning Matrix Term" combines spaces that have the same cleaning techniques and frequencies

The goal is to create 25 Daily Matrix Terms (or less) and 14 Non-Daily Matrix Terms (or less) A40 is "Unknown" and is used to sort remaining space use types.

Condensing Housekeeping Space Uses to Cleaning Matrix Terms

Try to visualize a spreadsheet with 130 columns of separate individual space uses

Right you can not see it because there is no way it will fit on one screen or print

This is why we need to condense the 130 + Housekeeping space uses down to a more manageable number of 40.

	Top 40 Time Studies
#	Housekeeping Space Use Term
A01	Stairwells
A02	24 HR / Service Desk
A03	Balcony
A04	Break Room
A05	Breezeway
A06	Circulation
A07	Classroom
A08	Computer Rooms
A09	Conference Room
A10	Elevator
A11	Entrance
A12	Stairwells Exterior
A13	Kitchen
A14	Laundry
A15	Lounge
A16	0
A17	Rest Room Public
A18	Restroom Suite
A19	Restrooms Gang
A20	Fitness Room
A21	Multipurpose Room
A22	0
A23	0
A24	0
A25	0
A26	Apartment Bathroom

25 Daily Cleaning Tasks

14 Non Daily Cleaning Tasks

1 Unknown A40 (default)

The Matrix Terms will change depending on the type of Buildings or Survey the user wants to perform.

A26	Apartment Bathroom
A27	Apartment Bedroom
A28	Apartment Kitchen
A29	Apartment Living Room
A30	Guest Bathroom
A31	Guest Bedroom
A32	Apartment Resident
A33	Resident Apartment Bedroom
A34	Apartment Studio
A35	Office
A36	0
A37	0
A38	0
A39	0
A40	Unknown

Associating Housekeeping Space Uses with the Cleaning Matrix Terms

All of the Cleaning Tasks (AKA: Cleaning Matrix Terms) appear in the right column → **Cleaning Matrix Term**

This column has dropdown cells of all of the cleaning matrix terms

Housekeeping Space Uses must be matched with a matrix term

25 Daily Cleaning Tasks

14 Non Daily Cleaning Tasks

HK Space Use Codes	Housekeeping Space Uses	Time Study Space Use Terms
CST	Closet	Apartment Living Room
CCL	Computer Class Lab	Computer Class Lab
CPL	Computer Lab	Computer Class Lab
CPR	Computer Rooms	Computer Rooms
CPW	Computer Workstation	Computer Rooms
CNS	Concessions	Conference Room
CNF	Conference Room	Conference Room
CTR	Control Room	Unknown
CPY	Copy / Print	Circulation
CRR	Corridor	Circulation
DNR	Dining Room	Unknown
ELV	Elevator	Elevator
ETR	Entrance	Circulation
EXM	Exam/Treatment Room	Unknown
EXB	Exhibition	Unknown
XDS	Exterior Door Space	Breezeway
EXS	Exterior Stairs	Stairwells Exterior
VID	Film Edit/Archive	Unknown
FIT	Fitness Room	Fitness Room
FOD	Food Facility	Unknown
GAL	Gallery	Unknown
HGA	Guest Apartment	Guest Bedroom
HG1	Guest Bathroom	Guest Bathroom
HG2	Guest Bedroom	Guest Bedroom
INF	Information Desk	24 HR / Service Desk
NTV	Interview/Observation Room	Unknown
KIT	Kitchen	Kitchen
LBC	Laboratory Class	Computer Class Lab
LDC	Laboratory Diagnostic Service	Computer Class Lab

Link to Scenario Tool | HK Space Use Terms 2 | **Consolidate Space Use Terms** | FMI Room Use Co...

Housekeeping FMI building data is pasted into FTE calculator

<< Bldg 20		Building 1	Go to Bldg 2	Home Directory	Gross SF	Cleanable SF	HK Space Uses
	062	Williams Hall		Housekeeping Space Use Terms	114,487	106,598	

Bldg #	Bldg Name	Room #	HK Code	Housekeeping Space Uses	Gross Area	Cleanable SF	Last Update	Comments
062	Williams Hall	1100	STR	Stairs	152	152	04/13/15	
062	Williams Hall	1101	XOX	No Service	5	0	09/27/13	
062	Williams Hall	1102	SOR	Storage	26	26	10/04/16	
062	Williams Hall	1103	CRR	Corridor	1130	1130	09/27/13	
062	Williams Hall	1104	LDC	Laboratory Diagnostic Service	342	342	10/04/16	
062	Williams Hall	1104A	LDC	Laboratory Diagnostic Service	92	92	10/04/16	
062	Williams Hall	1104B	OF1	Office	92	92	10/04/16	
062	Williams Hall	1105	OF1	Office	317	317	10/04/16	
062	Williams Hall	1105A	OF1	Office	92	92	10/04/16	
062	Williams Hall	1105B	OF1	Office	92	92	10/04/16	
062	Williams Hall	1106	SOR	Storage	25	25	10/04/16	
062	Williams Hall	1107	SOR	Storage	25	25	10/04/16	
062	Williams Hall	1108	LRN	Laboratory Research/Nonclass	146	146	10/04/16	
062	Williams Hall	1109	SOR	Storage	146	146	10/04/16	
062	Williams Hall	1110	SOR	Storage	25	25	10/04/16	
062	Williams Hall	1111	SOR	Storage	25	25	10/04/16	
062	Williams Hall	1112	LRN	Laboratory Research/Nonclass	338	338	10/04/16	
062	Williams Hall	1114	LRN	Laboratory Research/Nonclass	338	338	10/04/16	
062	Williams Hall	1115	SOR	Storage	24	24	10/04/16	
062	Williams Hall	1116	SOR	Storage	24	24	10/04/16	
062	Williams Hall	1118	WKR	Work Room	334	334	10/04/16	
062	Williams Hall	1119	CPY	Copy / Print	338	338	10/04/16	
062	Williams Hall	1119B	OF1	Office	92	92	10/04/16	
062	Williams Hall	1119C	OF1	Office	92	92	10/04/16	
062	Williams Hall	1121	ELV	Elevator	56	56	04/13/15	
062	Williams Hall	1122	SOR	Storage	25	25	10/04/16	
062	Williams Hall	1123	LRN	Laboratory Research/Nonclass	146	146	10/04/16	
062	Williams Hall	1124	RPB	Rest Room Public	114	114	04/14/16	
062	Williams Hall	1125	SOR	Storage	18	18	10/04/16	
062	Williams Hall	1126	LRN	Laboratory Research/Nonclass	339	339	10/04/16	
062	Williams Hall	1127	SOR	Storage	18	18	10/04/16	
062	Williams Hall	1128	SOR	Storage	87	87	10/04/16	
062	Williams Hall	1130	OF1	Office	86	86	10/04/16	
062	Williams Hall	1130A	OF1	Office	88	88	10/04/16	
062	Williams Hall	1130B	SOR	Storage	17	17	10/04/16	
062	Williams Hall	1132	LRN	Laboratory Research/Nonclass	342	342	10/04/16	
062	Williams Hall	1200	XOX	No Service	15		04/13/15	

Building Name, Number CSF and GSF will appear on the Building Directory Page

HOME / Building Directory

			Gross SF	Cleanable SF	Bldg FTEs		Increase
		0	114,487	106,598	0.000	0.000	Reduction
Import					0	0	0.000

Buildings	Bldg#	Building Name	Gross SF	Cleanable SF	Base FTE	Scenario FTE	FTE Difference	Divided
1	062	Williams Hall	114,487	106,598	0.000	0.000	0.000	FTE 1
2	0	0	0	0	0.000	0.000	0.000	FTE 2

The Frequency Console

Provides instant FTE results when adjusting frequencies

Select the building in the survey   **And the FTE number will be adjusted**

The FTE Total on the top of each scenario displays the FTE count for all the buildings in the survey

Master panel

	HOME		Survey	Selected Building	Name
FTE Building Comparison	Master		Survey FTE Total	Building FTE Total	CVM Main Building
	MASTER In Use	Master Select Below			
Bldg / Select Building Name Here / Bldg #			20.269	13.929	
15 CVM Main Building 301	MASTER is the Original Starting Point				

Left nav	Code	Housekeeping Space Use Terms	FTEs per SF	Routine	Detail	Frequency	BLDG FTEs	Survey FTEs
Non-Daily Cleaing Times Setup	A05	Conference Room	0.0001265	4	1	Weekly	0.663	1.474
Scenario Compare and edit	A06	Elevator	0.0002967	4	1	Weekly	0.252	0.443
Master to Scenario Building Data	A07	Entrance	0.0002752	4	1	Weekly	0.027	0.661
Master to Scenario Chart	A08	Fitness Room	0.0000802	4	1	Weekly	0.056	0.056
Scenario to Scenario Building Data	A09	Lobby	0.0000893	4	1	Weekly	0.259	0.454
Scenario to Scenario Compare Chart	A10	Lockers	0.0004141	4	1	Weekly	0.584	0.610
Bldg to Bldg FTE Comparison Chart	A11	Lounge	0.0000674	4	1	Weekly	0.168	0.363
Bldg to Bldg SF Comparison Chart	A12	Reception Lounge/Waiting	0.0001766	4	1	Weekly	0.549	0.577
	A13	Rest Room	0.0002592	4	1	Weekly	0.956	2.473
	A14	Study Room	0.0004368	4	1	Weekly	3.945	3.945
	A15	Vending	0.0001733	4	1	Weekly	0.000	0.052
Select which Master or Adjusted Master to use as a base in the Scenarios	A16	Office Grad	0.0000408	4	1	Weekly	0.006	0.390
	A17	17	0.0000000	4	1	Weekly	0.000	0.000
	A18	18	0.0000000	4	1	Weekly	0.000	0.000
	A19	19	0.0000000	4	1	Weekly	0.000	0.000
Select Here	A20	20	0.0000000	4	1	Weekly	0.000	0.000
Master	A21	21	0.0000000	4	1	Weekly	0.000	0.000
Return to Master to Scenario Chart	A22	22	0.0000000	4	1	Weekly	0.000	0.000
	A23	23	0.0000000	4	1	Weekly	0.000	0.000
MASTER to Scenario Data	A24	24	0.0000000	4	1	Weekly	0.000	0.000
Scenario to Scenario Compare	A25	25	0.0000000	4	1	Weekly	0.000	0.000
	A26	Offices	0.0000190	N A	N A	Monthly	0.517	0.973
	A27	Apartment Resident	0.0000098	N A	N A	Monthly	0.006	0.017
	A28	Autoclave	0.0000097	N A	N A	Monthly	0.006	0.017
	A29	Breezeway	0.0000000	N A	N A	Monthly	0.000	0.000
	A30	Exterior Door Space	0.0000024	N A	N A	Monthly	0.019	0.051
	A31	Exterior Stairs	0.0000000	N A	N A	Monthly	0.000	0.000
	A32	Laboratory Research/Nonclass	0.0000190	N A	N A	Monthly	0.000	0.000
	A33	Office Workstations	0.0000000	N A	N A	Monthly	0.000	0.000
	A34	Shop	0.0000000	N A	N A	Monthly	0.000	0.000
	A35	Stairs	0.0000113	N A	N A	Monthly	0.046	0.080
	A36	36	0.0000000	N A	N A	Monthly	0.000	0.000
	A37	37	0.0000000	N A	N A	Monthly	0.000	0.000
	A38	38	0.0000000	N A	N A	Monthly	0.000	0.000
	A39	No Service	0.0000000	N A	N A	Monthly	0.000	0.000
	A40	Unknown	0.0000000	N A	N A	Monthly	0.000	0.000

Adjusted Master panel

	HOME		Survey	Selected Building	Name
Adjusted Master			Survey FTE Total	Building FTE Total	CVM Main Building
Not in Use	Master Select Below				
ADJUSTED MASTER or Alternate Master? Original			20.269	13.929	

Code	Housekeeping Space Use Terms	FTEs per SF	Routine	Detail	Frequency	BLDG FTEs	Survey FTEs
A05	Conference Room	0.0001265	4	1	Weekly	0.663	1.474
A06	Elevator	0.0002967	4	1	Weekly	0.252	0.443
A07	Entrance	0.0002752	4	1	Weekly	0.027	0.661
A08	Fitness Room	0.0000802	4	1	Weekly	0.056	0.056
A09	Lobby	0.0000893	4	1	Weekly	0.259	0.454
A10	Lockers	0.0004141	4	1	Weekly	0.584	0.610
A11	Lounge	0.0000674	4	1	Weekly	0.168	0.363
A12	Reception Lounge/Waiting	0.0001766	4	1	Weekly	0.549	0.577
A13	Rest Room	0.0002592	4	1	Weekly	0.956	2.473
A14	Study Room	0.0004368	4	1	Weekly	3.945	3.945
A15	Vending	0.0001733	4	1	Weekly	0.000	0.052
A16	Office Grad	0.0000408	4	1	Weekly	0.006	0.390
A17	17	0.0000000	4	1	Weekly	0.000	0.000
A18	18	0.0000000	4	1	Weekly	0.000	0.000
A19	19	0.0000000	4	1	Weekly	0.000	0.000
A20	20	0.0000000	4	1	Weekly	0.000	0.000
A21	21	0.0000000	4	1	Weekly	0.000	0.000
A22	22	0.0000000	4	1	Weekly	0.000	0.000
A23	23	0.0000000	4	1	Weekly	0.000	0.000
A24	24	0.0000000	4	1	Weekly	0.000	0.000
A25	25	0.0000000	4	1	Weekly	0.000	0.000
A26	Offices	0.0000190	N A	N A	Monthly	0.517	0.973
A27	Apartment Resident	0.0000098	N A	N A	Monthly	0.006	0.017
A28	Autoclave	0.0000097	N A	N A	Monthly	0.006	0.017
A29	Breezeway	0.0000000	N A	N A	Monthly	0.000	0.000
A30	Exterior Door Space	0.0000024	N A	N A	Monthly	0.019	0.051
A31	Exterior Stairs	0.0000000	N A	N A	Monthly	0.000	0.000
A32	Laboratory Research/Nonclass	0.0000190	N A	N A	Monthly	0.000	0.000
A33	Office Workstations	0.0000000	N A	N A	Monthly	0.000	0.000
A34	Shop	0.0000000	N A	N A	Monthly	0.000	0.000
A35	Stairs	0.0000113	N A	N A	Monthly	0.046	0.080
A36	36	0.0000000	N A	N A	Monthly	0.000	0.000
A37	37	0.0000000	N A	N A	Monthly	0.000	0.000
A38	38	0.0000000	N A	N A	Monthly	0.000	0.000
A39	No Service	0.0000000	N A	N A	Monthly	0.000	0.000
A40	Unknown	0.0000000	N A	N A	Monthly	0.000	0.000

Frequency Console Part 2

For the selected building   And   For the entire survey

Scenario A

HOME — Name: CVM Main Building

SCENARIO A

Survey FTE Total: 20.269   Selected Building FTE Total: 13.929

	Housekeeping Space Use Terms	FTEs per SF	Routine	Detail	Frequency	BLDG FTEs	Survey FTEs
A01	Auditorium	0.0000421	4	1	Weekly	0.000	0.000
A02	Break Room	0.0001571	4	1	Weekly	0.754	0.946
A03	Circulation	0.0000446	4	1	Weekly	2.571	3.887
A04	Classroom	0.0001504	4	1	Weekly	2.551	2.816
A05	Conference Room	0.0001265	4	1	Weekly	0.663	1.474
A06	Elevator	0.0002967	4	1	Weekly	0.252	0.443
A07	Entrance	0.0002752	4	1	Weekly	0.027	0.661
A08	Fitness Room	0.0000802	4	1	Weekly	0.056	0.056
A09	Lobby	0.0000893	4	1	Weekly	0.259	0.454
A10	Lockers	0.0004141	4	1	Weekly	0.584	0.610
A11	Lounge	0.0000674	4	1	Weekly	0.168	0.363
A12	Reception Lounge/Waiting	0.0001766	4	1	Weekly	0.549	0.577
A13	Rest Room	0.0002592	4	1	Weekly	0.956	2.473
A14	Study Room	0.0004368	4	1	Weekly	3.945	3.945
A15	Vending	0.0001733	4	1	Weekly	0.000	0.052
A16	Office Grad	0.0000408	4	1	Weekly	0.006	0.390
A17	17	0.0000000	4	1	Weekly	0.000	0.000
A18	18	0.0000000	4	1	Weekly	0.000	0.000
A19	19	0.0000000	4	1	Weekly	0.000	0.000
A20	20	0.0000000	4	1	Weekly	0.000	0.000
A21	21	0.0000000	4	1	Weekly	0.000	0.000
A22	22	0.0000000	4	1	Weekly	0.000	0.000
A23	23	0.0000000	4	1	Weekly	0.000	0.000
A24	24	0.0000000	4	1	Weekly	0.000	0.000
A25	25	0.0000000	4	1	Weekly	0.000	0.000
A26	Offices	0.0000190	N A	N A	Monthly	0.517	0.973
A27	Apartment Resident	0.0000098	N A	N A	Monthly	0.000	0.000
A28	Autoclave	0.0000097	N A	N A	Monthly	0.006	0.017
A29	Breezeway	0.0000000	N A	N A	Monthly	0.000	0.000
A30	Exterior Door Space	0.0000024	N A	N A	Monthly	0.019	0.051
A31	Exterior Stairs	0.0000000	N A	N A	Monthly	0.000	0.000
A32	Laboratory Research/Nonclass	0.0000190	N A	N A	Monthly	0.000	0.000
A33	Office Workstations	0.0000000	N A	N A	Monthly	0.000	0.000
A34	Shop	0.0000000	N A	N A	Monthly	0.000	0.000
A35	Stairs	0.0000113	N A	N A	Monthly	0.046	0.080
A36	36	0.0000000	N A	N A	Monthly	0.000	0.000
A37	37	0.0000000	N A	N A	Monthly	0.000	0.000
A38	38	0.0000000	N A	N A	Monthly	0.000	0.000
A39	No Service	0.0000000	N A	N A	Monthly	0.000	0.000
A40	Unknown	0.0000000	N A	N A	Monthly	0.000	0.000
						13.929	20.269

Scenario B

HOME — Name: CVM Main Building

SCENARIO B

Survey FTE Total: 20.350   Selected Building FTE Total: 13.975

	Housekeeping Space Use Terms	FTEs per SF	Routine	Detail	Frequency	BLDG FTEs	Survey FTEs
A01	Auditorium	0.0000421	4	1	Weekly	0.000	0.000
A02	Break Room	0.0001571	4	1	Weekly	0.754	0.946
A03	Circulation	0.0000446	4	1	Weekly	2.571	3.887
A04	Classroom	0.0001504	4	1	Weekly	2.551	2.816
A05	Conference Room	0.0001265	4	1	Weekly	0.663	1.474
A06	Elevator	0.0002967	4	1	Weekly	0.252	0.443
A07	Entrance	0.0002752	4	1	Weekly	0.027	0.661
A08	Fitness Room	0.0000802	4	1	Weekly	0.056	0.056
A09	Lobby	0.0000893	4	1	Weekly	0.259	0.454
A10	Lockers	0.0004141	4	1	Weekly	0.584	0.610
A11	Lounge	0.0000674	4	1	Weekly	0.168	0.363
A12	Reception Lounge/Waiting	0.0001766	4	1	Weekly	0.549	0.577
A13	Rest Room	0.0002592	4	1	Weekly	0.956	2.473
A14	Study Room	0.0004368	4	1	Weekly	3.945	3.945
A15	Vending	0.0001733	4	1	Weekly	0.000	0.052
A16	Office Grad	0.0000408	0	1	Weekly	0.006	0.390
A17	17	0.0000000	4	1	Weekly	0.000	0.000
A18	18	0.0000000	4	1	Weekly	0.000	0.000
A19	19	0.0000000	4	1	Weekly	0.000	0.000
A20	20	0.0000000	4	1	Weekly	0.000	0.000
A21	21	0.0000000	4	1	Weekly	0.000	0.000
A22	22	0.0000000	4	1	Weekly	0.000	0.000
A23	23	0.0000000	4	1	Weekly	0.000	0.000
A24	24	0.0000000	4	1	Weekly	0.000	0.000
A25	25	0.0000000	4	1	Weekly	0.000	0.000
A26	Offices	0.0000190	N A	N A	Monthly	0.517	0.973
A27	Apartment Resident	0.0000016	N A	N A	2 Times a Year	0.000	0.000
A28	Autoclave	0.0000097	N A	N A	Monthly	0.006	0.017
A29	Breezeway	0.0000000	N A	N A	Monthly	0.000	0.000
A30	Exterior Door Space	0.0000024	N A	N A	Monthly	0.019	0.051
A31	Exterior Stairs	0.0000000	N A	N A	Monthly	0.000	0.000
A32	Laboratory Research/Nonclass	0.0000190	N A	N A	Monthly	0.000	0.000
A33	Office Workstations	0.0000000	N A	N A	Weekly	0.000	0.000
A34	Shop	0.0000000	N A	N A	Monthly	0.000	0.000
A35	Stairs	0.0000225	N A	N A	2 Times a Month	0.092	0.161
A36	36	0.0000000	N A	N A	Monthly	0.000	0.000
A37	37	0.0000000	N A	N A	Monthly	0.000	0.000
A38	38	0.0000000	N A	N A	Monthly	0.000	0.000
A39	No Service	0.0000000	N A	N A	Monthly	0.000	0.000
A40	Unknown	0.0000000	N A	N A	Monthly	0.000	0.000
						13.975	20.350

Linked data is illustrated on charts for analysis and or presentations

FTEs per SF

Frequencies

Cleaning Matrix Terms

		Master	Routine	Detail	Scenario A	Routine	Detail
A01	Stairwells	1.0738760	1	1	2.259774	4	1
A02	24 HR / Service Desk	0.0000000	4	1	0.0000000	2	2
A03	Balcony	0.0562135	4	1	0.0562135	4	1
A04	Break Room	0.0336109	4	1	0.0336109	4	1
A05	Breezeway	0.3652721	4	1	0.3652721	4	1
A06	Circulation	3.9239807	4	1	1.9066584	1	1
A07	Classroom	0.0000000	4	1	0.0000000	4	1
A08	Computer Rooms	0.1385667	4	1	0.1385667	4	1
A09	Conference Room	1.9250857	4	1	1.9250857	4	1
A10	Elevator	0.5828905	4	1	0.5828905	4	1
A11	Entrance	0.0000000	4	1	0.0000000	4	1
A12	Stairwells Exterior	0.0000000	4	1	0.0000000	4	1
A13	Kitchen	0.0000000	4	1	0.0000000	4	1
A14	Laundry	0.0000000	4	1	0.0000000	4	1
A15	Lounge	0.3199529	4	1	0.3199529	4	1
A16	0	0.0000000	0	0	0.0000000	4	1
A17	Rest Room Public	0.1605053	3	2	0.1748644	4	1
A18	Restroom Suite	0.0000000	3	2	0.0000000	3	2
A19	Restrooms Gang	0.0000000	3	2	0.0000000	3	2
A20	Fitness Room	0.0474720	4	1	0.0474720	4	1
A21	Multipurpose Room	0.0000000	4	1	0.0000000	4	1
A22	0	0.0000000	4	1	0.0000000	4	1
A23	0	0.0000000	4	1	0.0000000	4	1
A24	0	0.0000000	4	1	0.0000000	4	1
A25	0	0.0000000	4	1	0.0000000	4	1
A26	Apartment Bathroom	0.5323129	N A	2 Times a Year	3.1938771	N A	Monthly
A27	Apartment Bedroom	0.6200287	N A	2 Times a Year	3.7201719	N A	Monthly
A28	Apartment Kitchen	0.2355805	N A	2 Times a Year	1.4134831	N A	Monthly
A29	Apartment Living Room	0.6217918	N A	2 Times a Year	3.7307507	N A	Monthly
A30	Guest Bathroom	0.0000000	N A	As Needed	0.0000000	N A	Monthly
A31	Guest Bedroom	0.0000000	N A	As Needed	0.0000000	N A	Monthly
A32	Apartment Resident	0.0000000	N A	Annually	0.0000000	N A	Monthly
A33	Resident Apartment Bedroo	0.0000000	N A	Annually	0.0000000	N A	Monthly
A34	Apartment Studio	0.0004642	N A	2 Times a Year	0.0027849	N A	Monthly
A35	Office	0.0298876	N A	Monthly	0.0298876	N A	Monthly
A36	0	0.0000000	N A	Monthly	0.0000000	N A	Monthly
A37	0	0.0000000	N A	Monthly	0.0000000	N A	Monthly
A38	0	0.0000000	N A	Monthly	0.0000000	N A	Monthly
A39	0	0.0000000	N A	Monthly	0.0000000	N A	Monthly
A40	Unknown	0.0000000	N A	Monthly	0.0000000	N A	Monthly

Home

Building Directory

Change Scenario

Select Master or Adjust Master | What is this? | Scenario A

Scenario Compare

Source Data

Master to Scenario Comparison Chart

Master to Scenario Comparison Chart
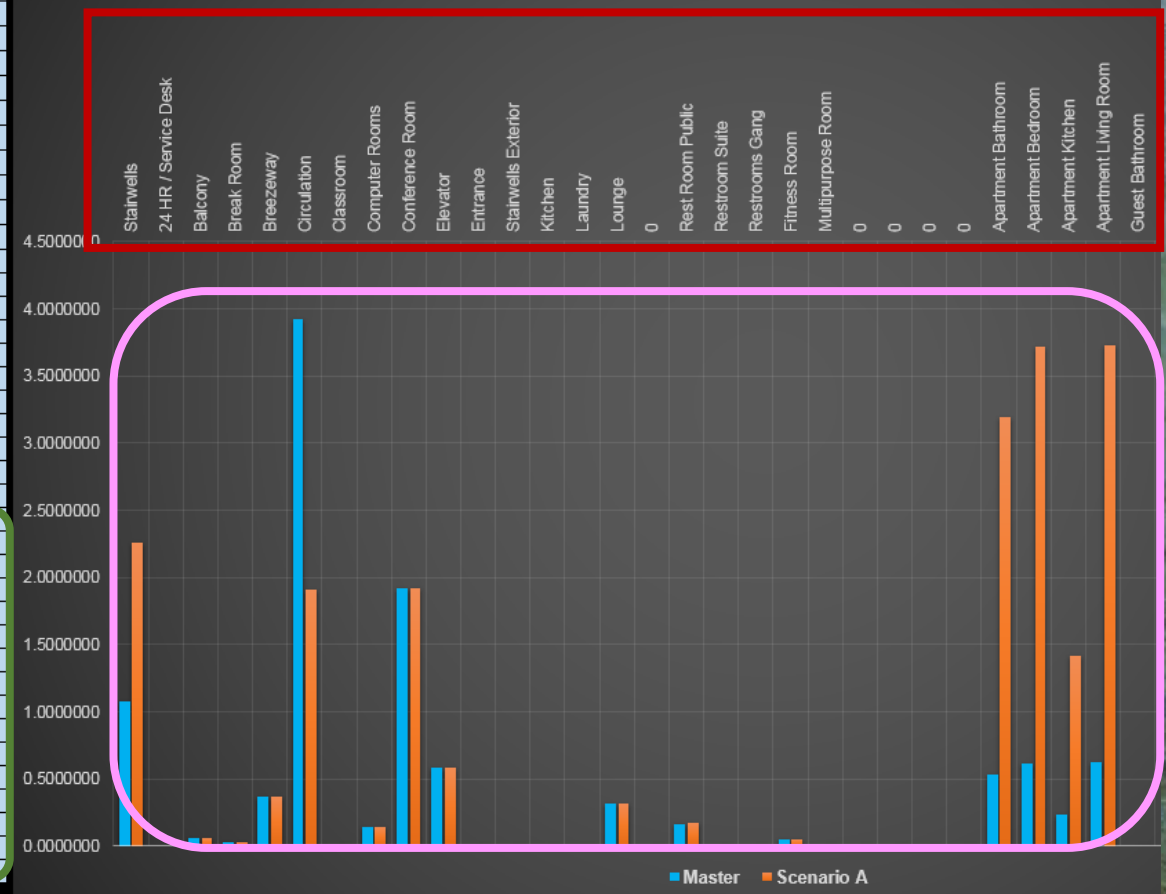
■ Master ■ Scenario A

FTE Study Results

Each Building has a FTE Total for the Selected Scenario and the Master

The FTE Study totals for the surveyed buildings

The difference between the 2 scenario totals

Building Home Directory

				Gross SF	Cleanable SF	Bldg FTEs	Edit Scenario	Increase
H5 Buildings Demonstration				563,915	474,097	10.667	19.901	Reduction
						Master	Scenario A	-9.234

Bldg #s	Building Name	Bldg#	Gross SF	Cleanable SF	Bldg FTEs	Scenario FTE	FTE Difference	Charts
1	Arctic Hall-Wolf Village Apartments Bldg A	222A	60,007	47,162	0.874	2.005	-1.131	Bldg 1
2	Baffin Hall-Wolf Village Apartments Bldg B	222B	58,778	49,411	1.033	2.063	-1.030	Bldg 2
3	Caspian Hall-Wolf Village Apartments Bldg C	222C	52,665	43,930	1.000	1.875	-0.874	Bldg 3
4	Red Hall-Wolf Village Apartments Bldg D	222D	53,686	44,358	1.142	1.922	-0.780	Bldg 4
5	Timber Hall-Wolf Village Apartments Bldg E	222E	58,917	49,514	1.038	2.051	-1.013	Bldg 5
6	Mackenzie Hall-Wolf Village Apartments Bldg F	222F	58,888	49,538	1.040	2.047	-1.007	Bldg 6
7	Gray Hall-Wolf Village Apartments Bldg G	222G	53,233	45,766	1.162	1.944	-0.782	Bldg 7
8	Hudson Hall-Wolf Village Apartments Bldg H	222H	53,841	46,014	0.943	1.880	-0.936	Bldg 8
9	Hudson Hall-Wolf Village Apartments Bldg H	222H	53,841	46,014	0.949	1.882	-0.934	Bldg 9
10	Gray Hall-Wolf Village Apartments Bldg G	222G	53,233	45,766	1.162	1.944	-0.782	Bldg 10
11	0	0	0	0	0.000	0.000	0.000	Bldg 11
12	Gray Hall-Wolf Village Apartments Bldg G	222G	6,827	6,624	0.324	0.288	0.035	Bldg 12
13	0	0	0	0	0.000	0.000	0.000	Bldg 13

Live Demonstration of FTE Calculation Tool

And for the Feature Presentation