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St. Petersburg College

Space Utilization Final Results

Project Team: Adam Gogolski & Tyler Cornell

University of the Sciences in Philadelphia
University of Toledo
University of Vermont
University of Washington
University of West Florida
University of Wisconsin - Madison
Vanderbilt University
Virginia Commonwealth University
Wake Forest University
Washburn University
Washington State University
Washington State University - Tri-Cities Campus
Washington State University - Vancouver
Washington University in St. Louis
Wayne State University
Wellesley College
Wesleyan University
West Chester University
West Virginia Health Science Center
West Virginia University
Western Oregon University
Westfield State University
Widener University
Williams College
Worcester Polytechnic Institute
Worcester State University

Key Concepts

Why are we here today? Why does it matter? What are the goals?

Trusted Data Analysis

Evaluate teaching space utilization at St. Petersburg College using institutional provided data

Framework for Strategic Decision-Making

Create a framework for decision making to identify opportunities for action informed by unique space characteristics and utilization distribution

Action Plans to Drive Long-Term Optimization

Design actionable strategies to align institutional resources and priorities and optimize campus footprint

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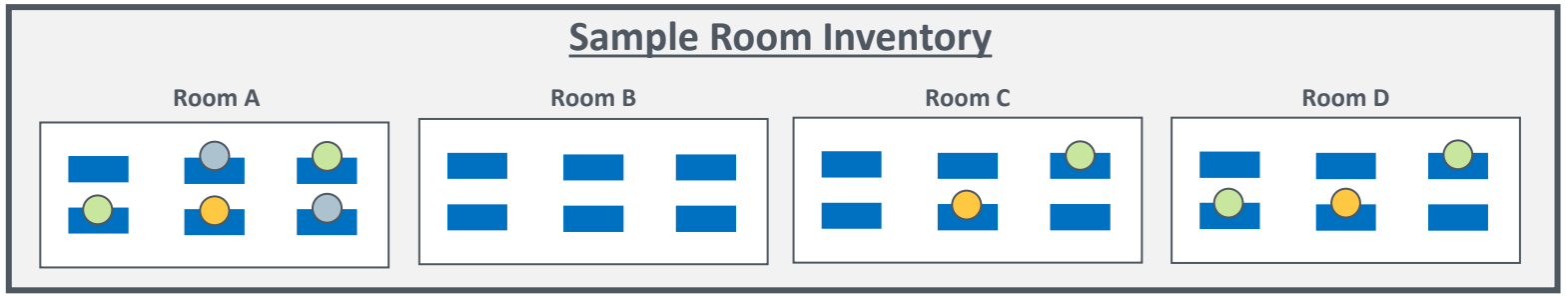
Space Utilization Terminology



Sightlines Term:	Definition:	Example:
Room Utilization	The percentage of scheduled rooms that are scheduled Monday-Friday, 9:00 a.m. through 5:00 p.m.	3 out of 4 scheduled rooms are occupied. There is a ***Room Utilization*** of 75%.
Room Capacity	The number of chairs that a teaching space is configured to hold based on the registrar's space inventory.	Room D has a ***Room Capacity*** of 6.
Position Utilization	The percentage of available seats that are occupied within each utilized room.	Room D has 3 of 6 seats occupied. There is a ***Position Utilization*** of 50%.

**Utilization is calculated based on number of rooms in scheduling data*

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Scope of Analysis - From SPC Room Inventory

4 Terms

Fall 18 – Spring 20

5 Days

Monday – Friday

50 Buildings

464 Rooms Total

Site	Building Count	Room Count*
1 - EpiCenter	1	29
2 - Clearwater	10	99
3 - St Pete/Gibbs	11	110
4 - Seminole	5	41
5 - Tarpon Springs	11	60
6 - Bay Pines Center	1	3
8 - Health Education Center	3	51
9 - Allstate Center	2	26
15 - Downtown Center	1	23
16 - Midtown Center	2	17
17 - Fire Training Center	2	2
18 - Veterinary Technology	1	3

**Room codes 110, 120, 210, 220*

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Scope of Analysis - From SPC Room Inventory

4 Terms

Fall 18 – Spring 20

5 Days

Monday – Friday

50 Buildings

464 Rooms Total

Room Type	*Count*
110 - Classroom	225
120 - Computer Classroom	54
210 - Class Laboratory	167
220 - Special Class Laboratory	17

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Scope of Analysis - From SPC Room Inventory

Classrooms

Room Type	*Count*
110 - Classroom	225
120 - Computer Classroom	54
210 - Class Laboratory	167
220 - Special Class Laboratory	17

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Scope of Analysis - From SPC Room Inventory

	Room Type	Count
Classrooms	110 - Classroom	225
	120 - Computer Classroom	54
Laboratory	210 - Class Laboratory	167
	220 - Special Class Laboratory	17

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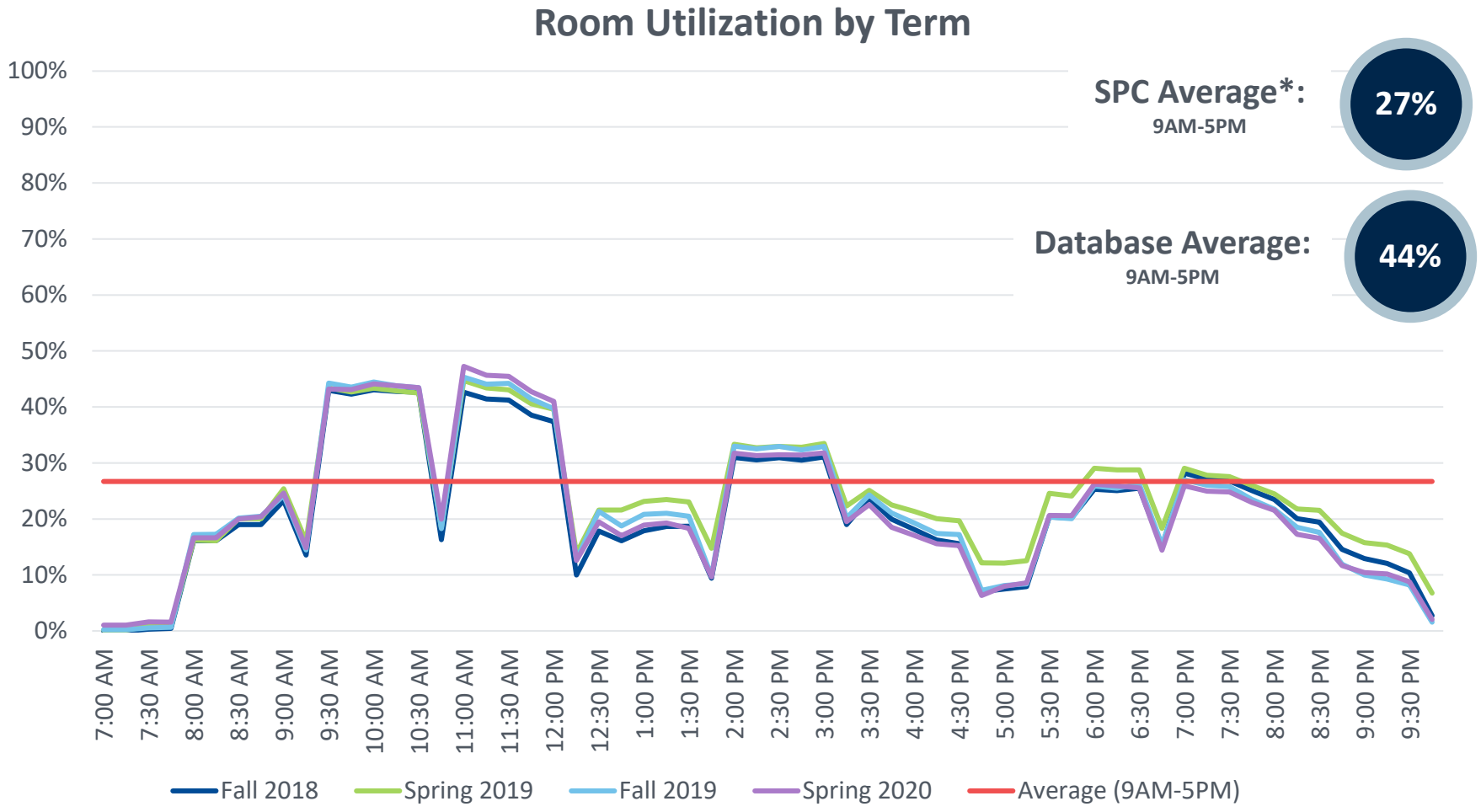
Analyzing Scheduling Data

Room Utilization by Term: Fall 2018 – Spring 2020

Room Utilization nearly identical across all semesters



SPC Average*: 9AM-5PM — **27%**

Database Average: 9AM-5PM — **44%**

Room Utilization:

What percentage of these rooms are being used at any given time?

# of Included Rooms per Semester

- Fall 2018 – *316 Rooms*
- Spring 2019 – *315 Rooms*
- Fall 2019 – *303 Rooms*
- Spring 2020 – *310 Rooms*

*All four semesters

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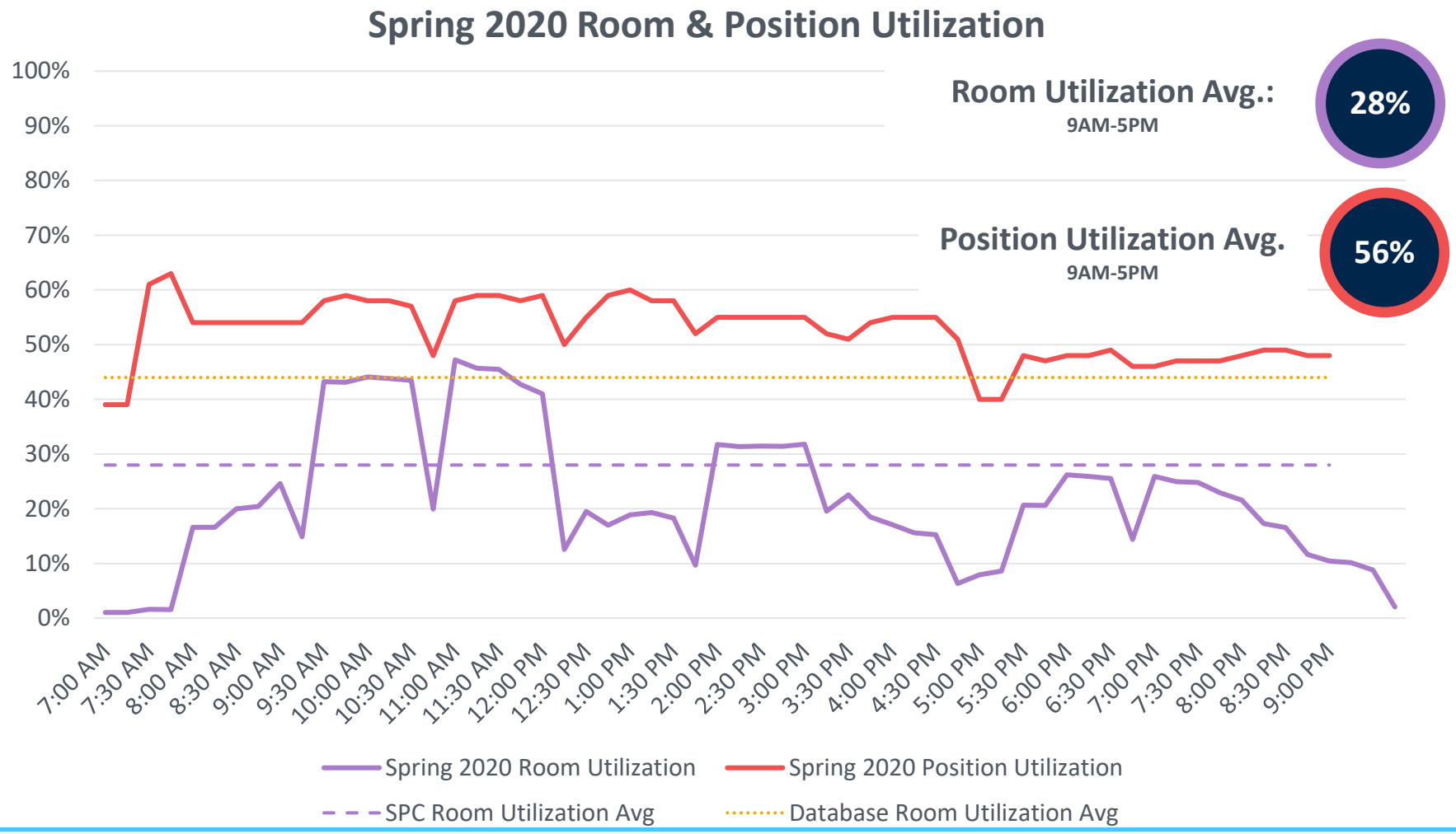
Room Utilization by Term: Spring 2020

SPC Room Utilization falls below database and non-residential college averages



Room Utilization:

What percentage of these rooms are being used at any given time?

Position Utilization:

What percentage of available seats are occupied within each utilized room at any given time?

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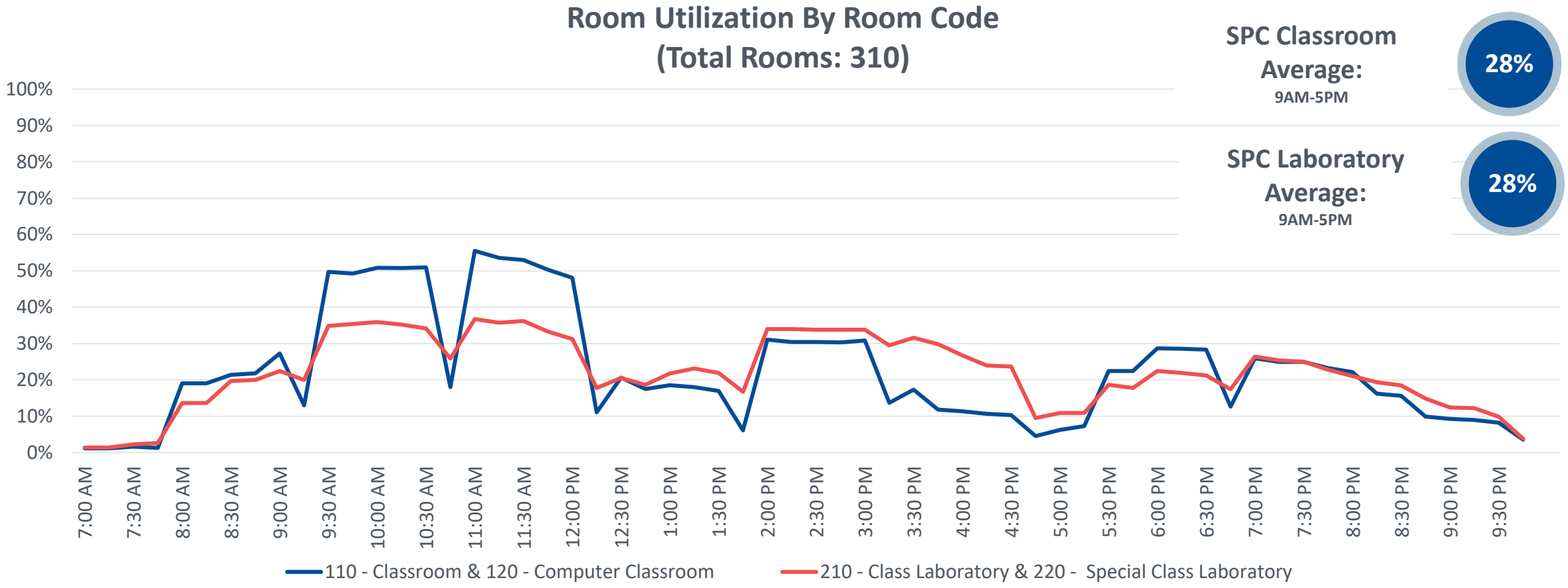
Room Utilization: Spring 2020

Classroom spaces have an equivalent Room Utilization as Laboratory spaces



SPC Classroom Average: 9AM-5PM — **28%**

SPC Laboratory Average: 9AM-5PM — **28%**

Group	**192** *Classroom* Rooms	**118** *Laboratory* Rooms

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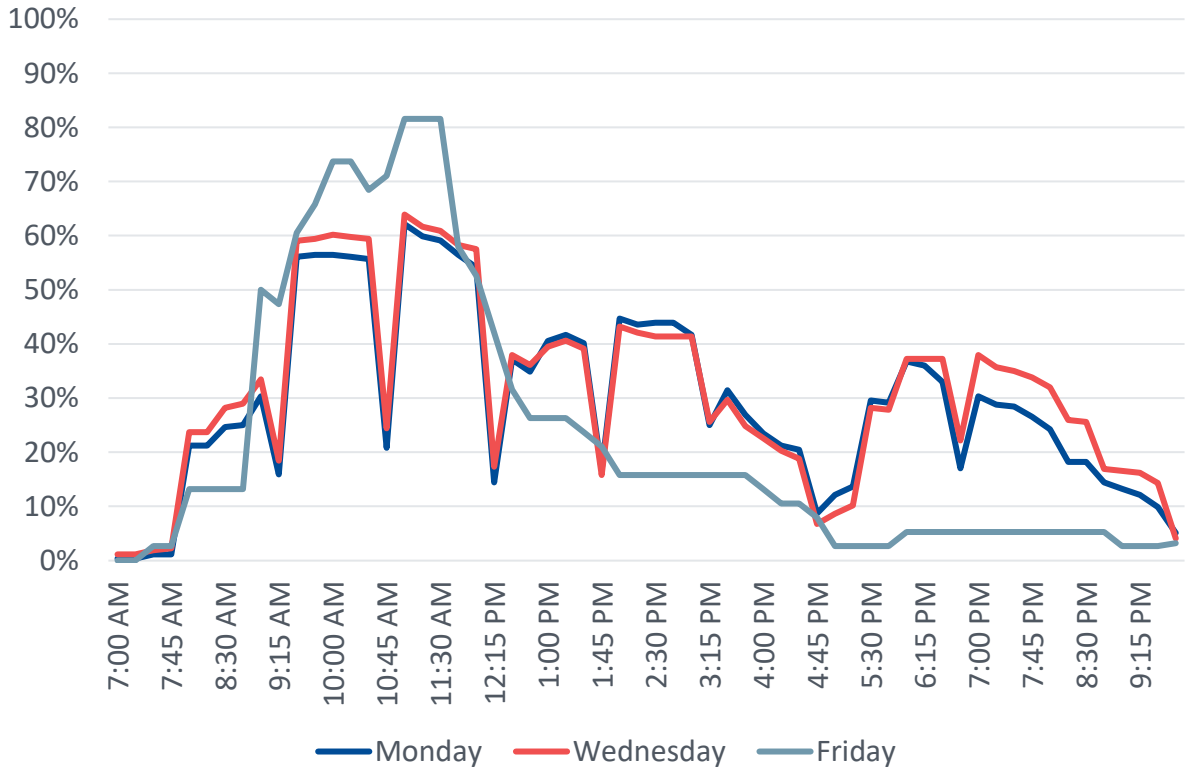
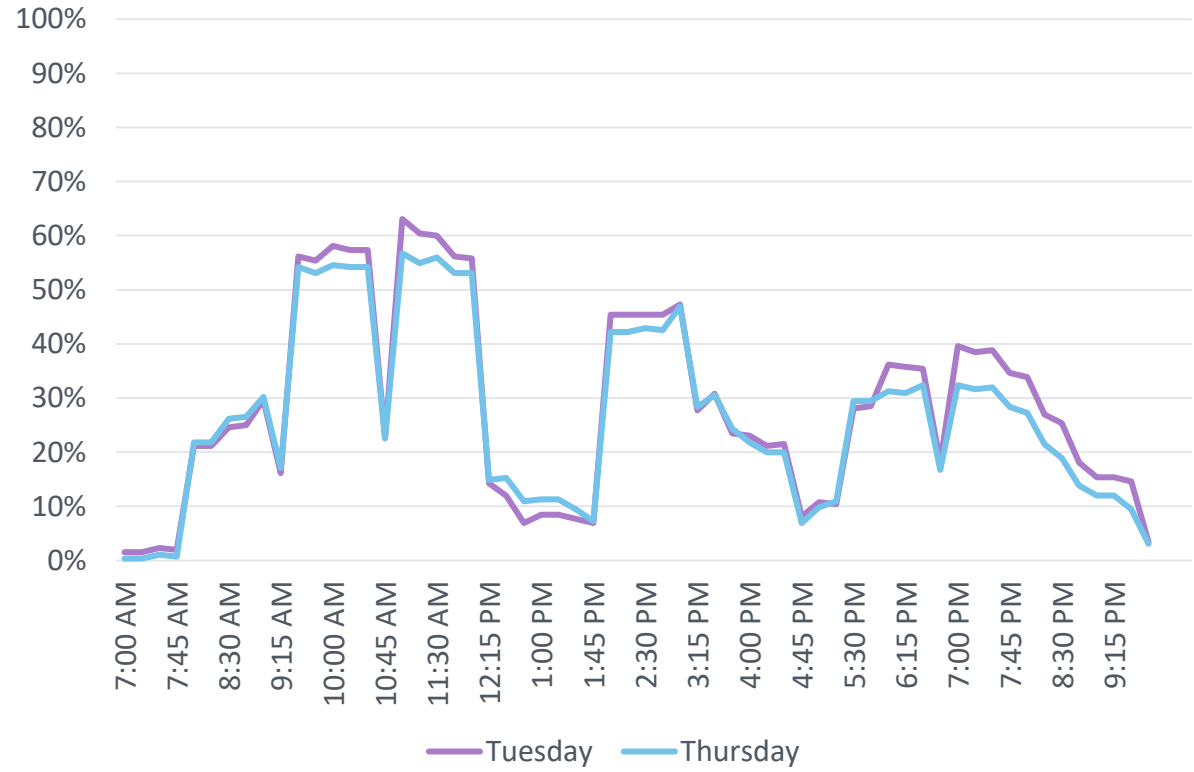
Room Utilization by Weekday: Monday-Friday

Room Utilization is highest on Monday, Wednesday, & Friday classes and lowest on Tuesday-Thursday

Room Utilization: Monday, Wednesday, Friday



Room Utilization: Tuesday, Thursday



9AM-5PM Averages:	*Mon + Wed = **38%***	*Fri = **37%***	*Tues + Thurs = **34%***
# of Scheduled Rooms:	*Mon + Wed = **283***	*Fri = **56***	*Tues + Thurs = **285***

**Spring 2020*

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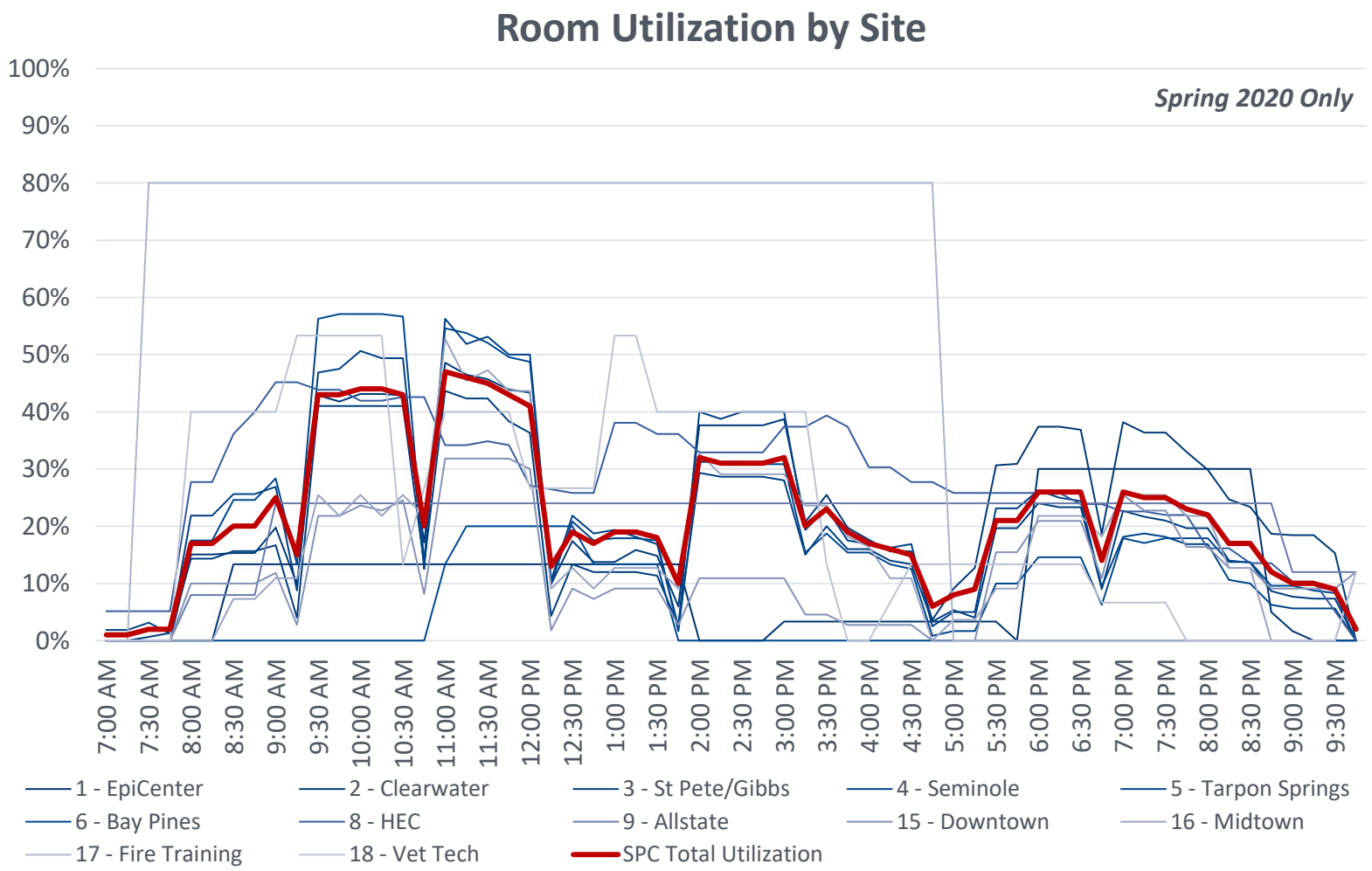
Room Utilization by SPC Site

Classroom & Laboratory Groups only



Site	Room Count*	Prime Time. Utilization
1 - EpiCenter	12	9%
2 - Clearwater	77	27%
3 - St Pete/Gibbs	60	23%
4 - Seminole	32	30%
5 - Tarpon Springs	48	29%
6 - Bay Pines Center	3	6%
8 - Health Education Center	31	35%
9 - Allstate Center	10	24%
15 - Downtown Center	22	13%
16 - Midtown Center	11	22%
17 - Fire Training Center	1	78%
18 - Veterinary Technology	3	33%

**From Scheduling Data*

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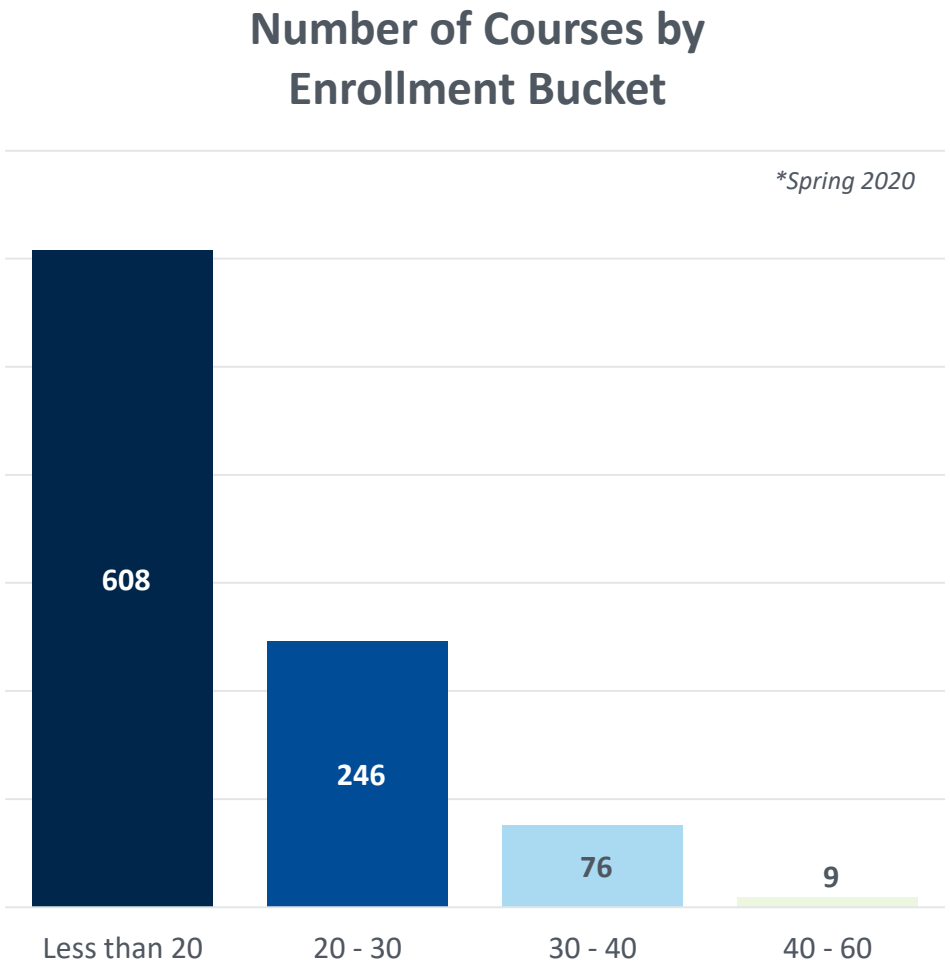
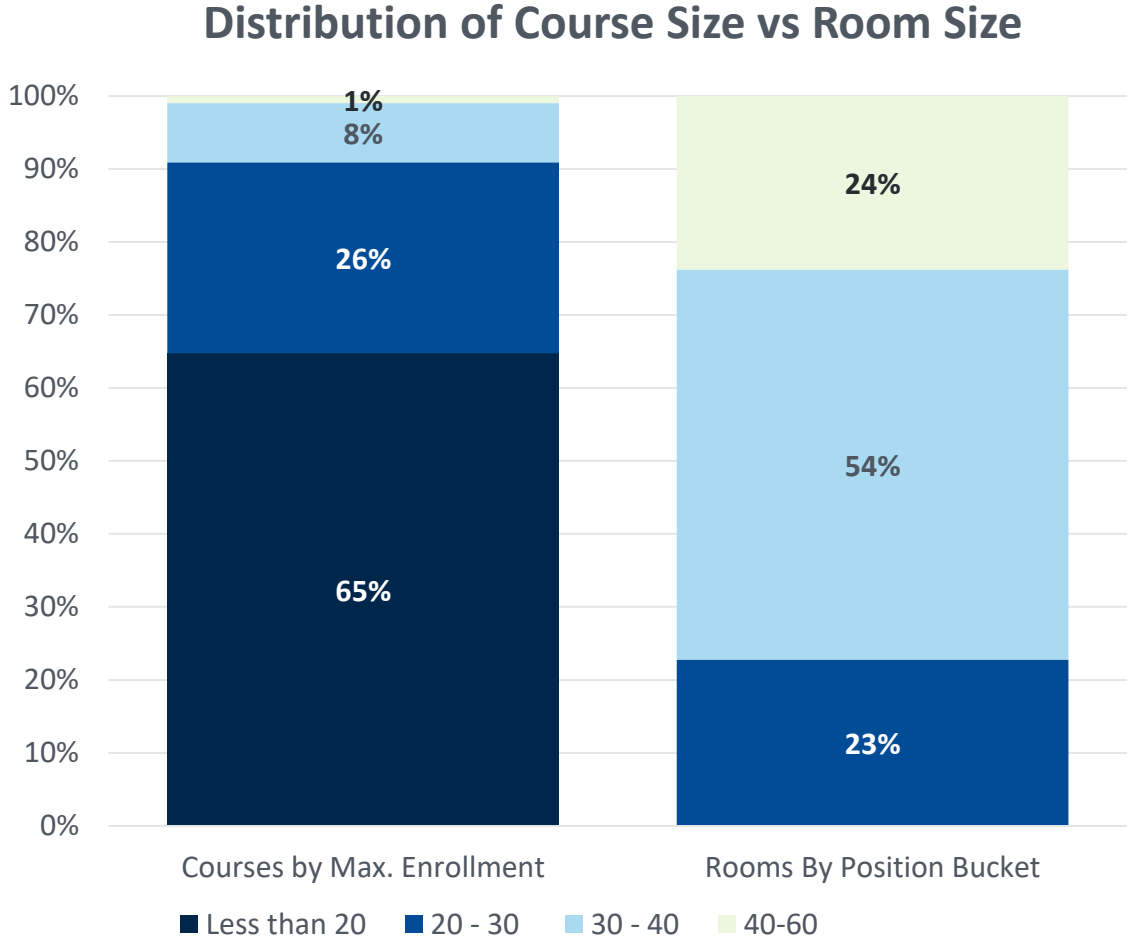
Understanding the Gap Between Course Enrollment and Room Capacity

Although 68% of courses have an enrollment Less than 20, 78% of rooms have a capacity of over 30 positions





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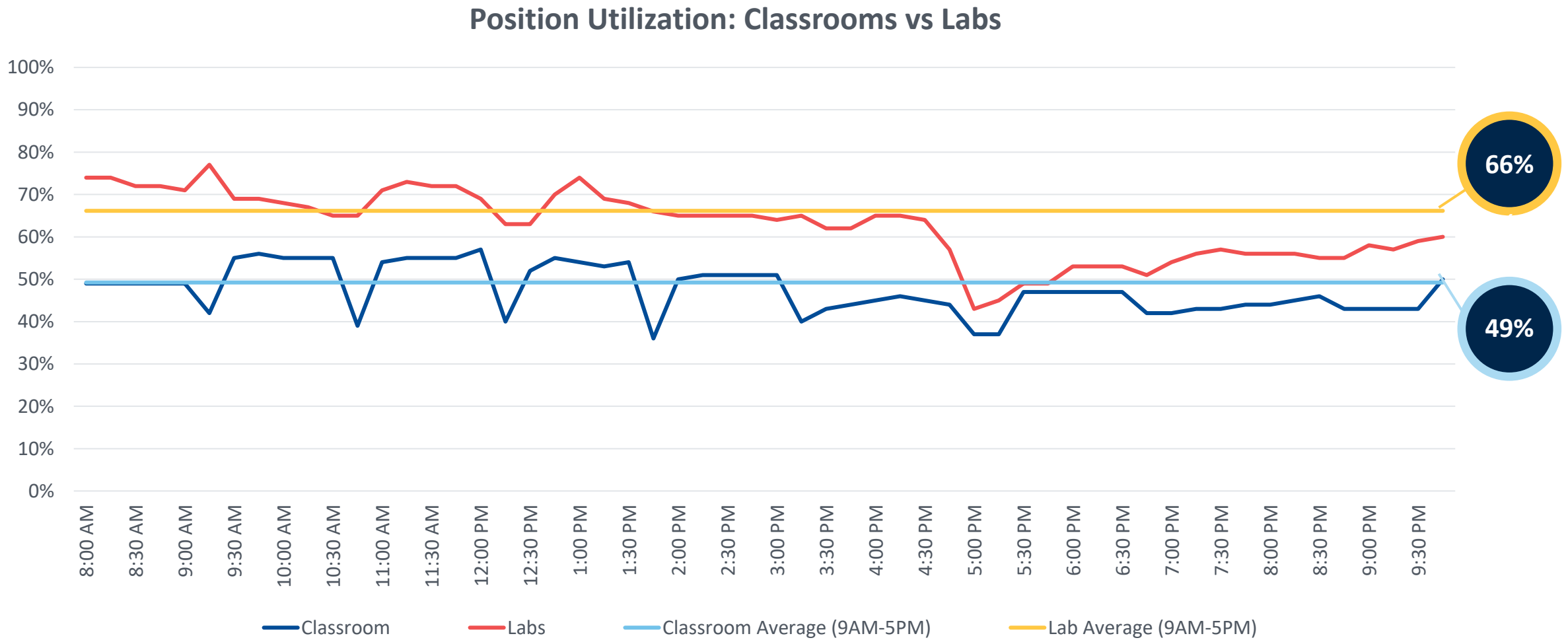
Position Utilization: By Group

Position utilization is higher in Laboratories than Classrooms



**Includes all four semesters*

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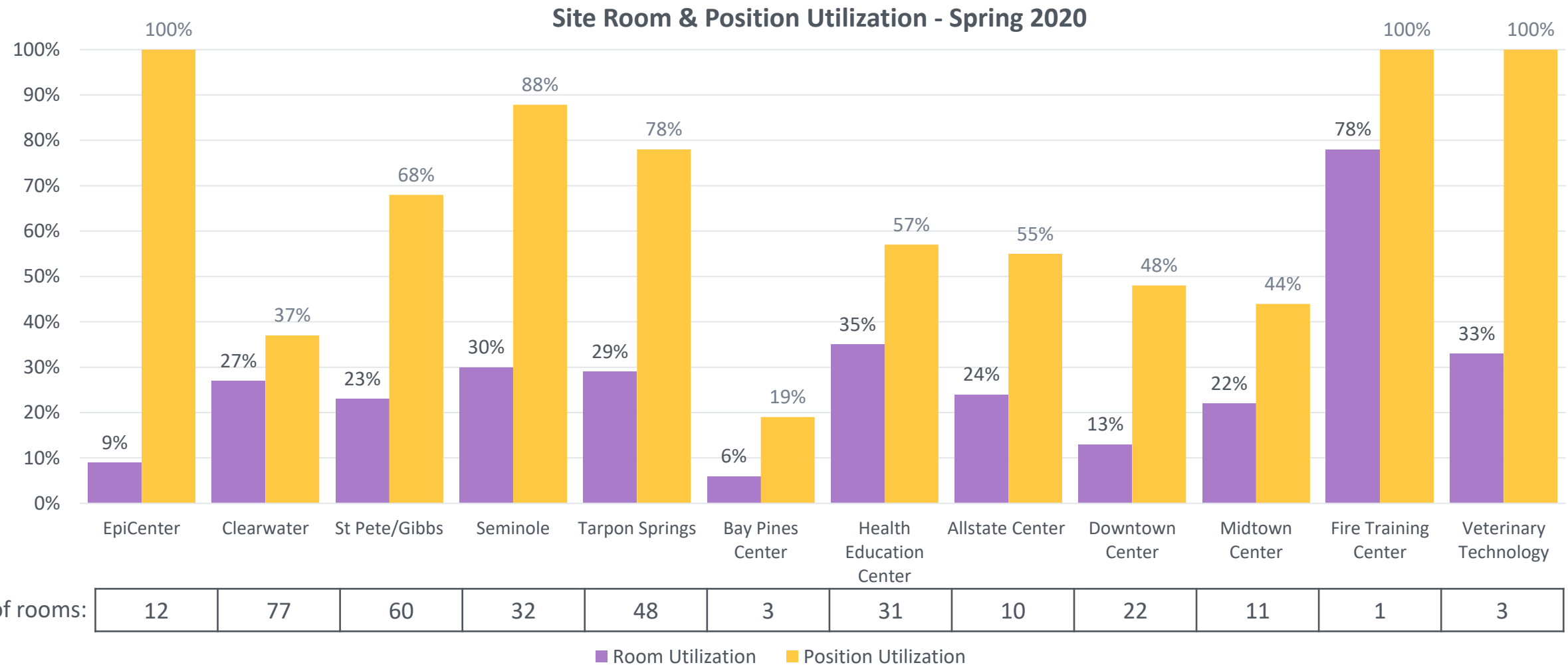
Average Room Utilization & Position by Site



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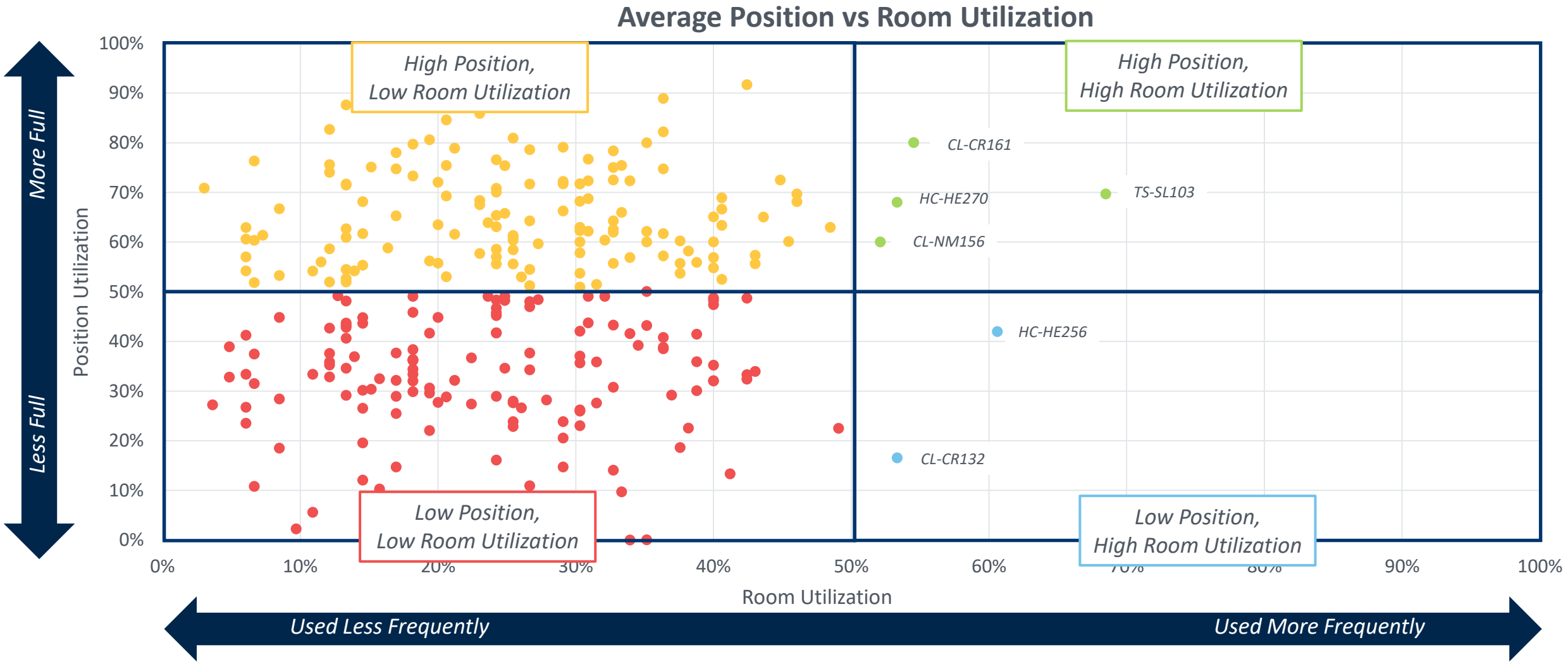
Position & Room Utilization: By Room (Spring 2020)



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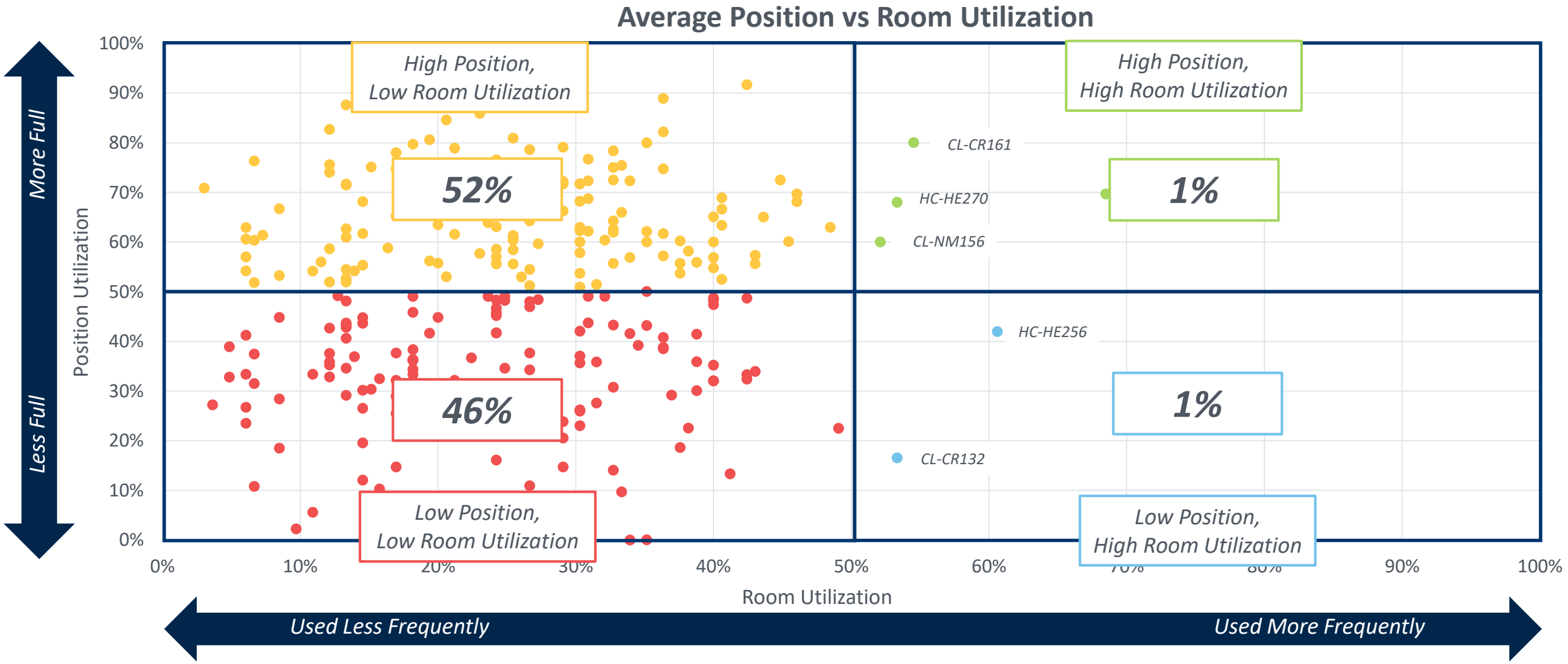
98% of Rooms Were Below 50% Room Utilization



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Concluding Comments

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Opportunity	Summary of Findings	Proposed Changes
Centralize Scheduling Process & Data	Overall room utilization is low, and there is room for increased utilization in even the best utilized spaces	• Increase centralization of scheduling process • Reassign the responsibility of room scheduling to site provost or scheduler • Explore options in new/upgraded software to consolidate scheduling & event data into one area
Align class schedules & times to meet student demand	In discussions with each site, feedback was frequently given that existing schedules and course times were determined for departmental preference	• Use existing scheduling data and engage with existing students to determine the most in-demand courses and the best time & location to offer them
Embrace the existing campus flexibility	With low room utilization across each site and many larger rooms and smaller classes, use the current opportunity to explore consolidating/rearranging the existing sites to maximize the existing real estate.	• Small renovations to existing space can break up larger rooms into more smaller rooms which can help with flexibility when moving departments • Be sure to align future class sizes with the size of classrooms to maximize position utilization • Create a standard “menu” for technology to help understand the needs of teachers and where they best align with campus space

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Appendix

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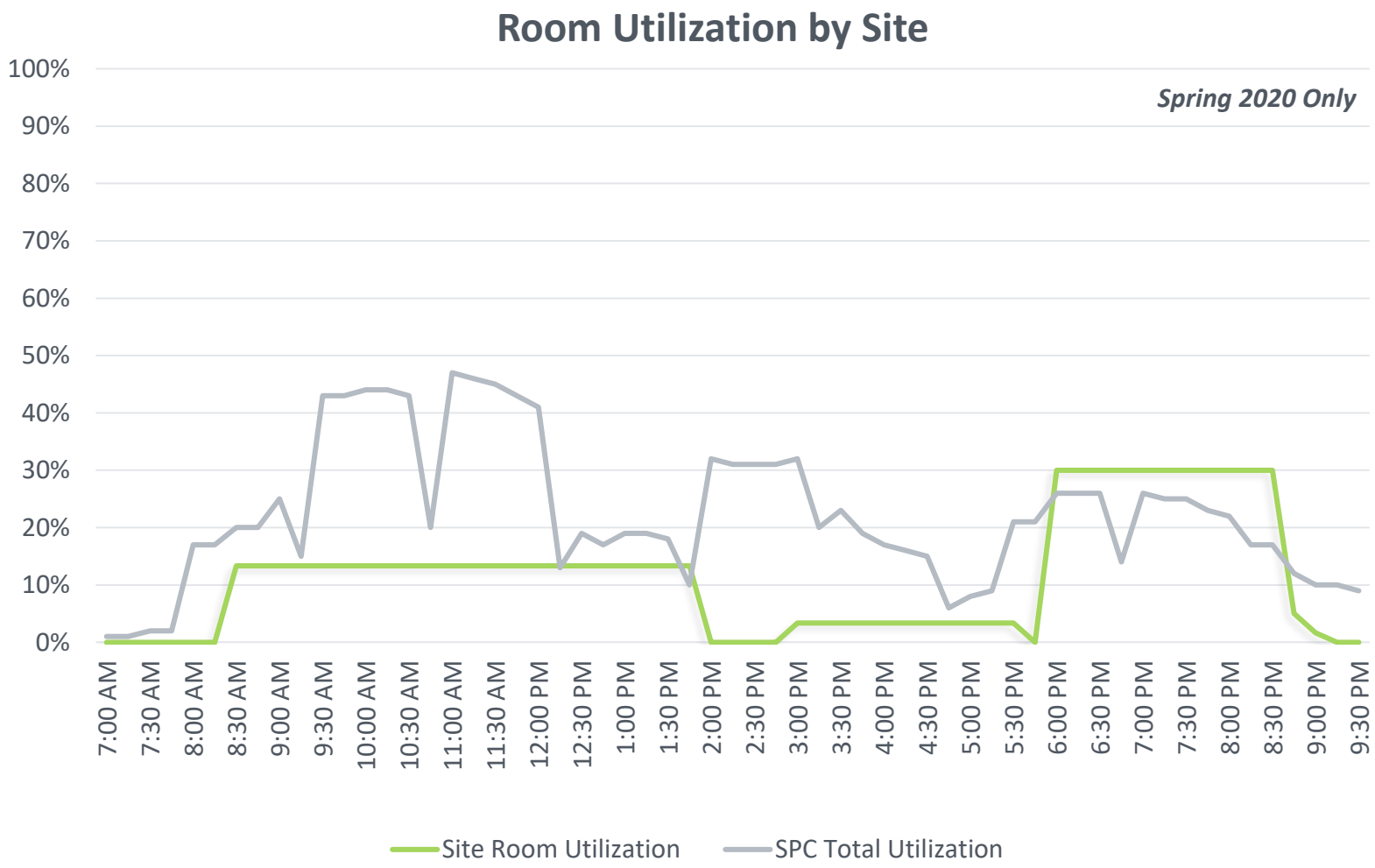
Room Utilization by SPC Site - EpiCenter

Classroom & Laboratory Groups only



Site	Room Count*	Prime Time. Utilization
1 - EpiCenter	12	9%
2 - Clearwater		
3 - St Pete/Gibbs		
4 - Seminole		
5 - Tarpon Springs		
6 - Bay Pines Center		
8 - Health Education Center		
9 - Allstate Center		
15 - Downtown Center		
16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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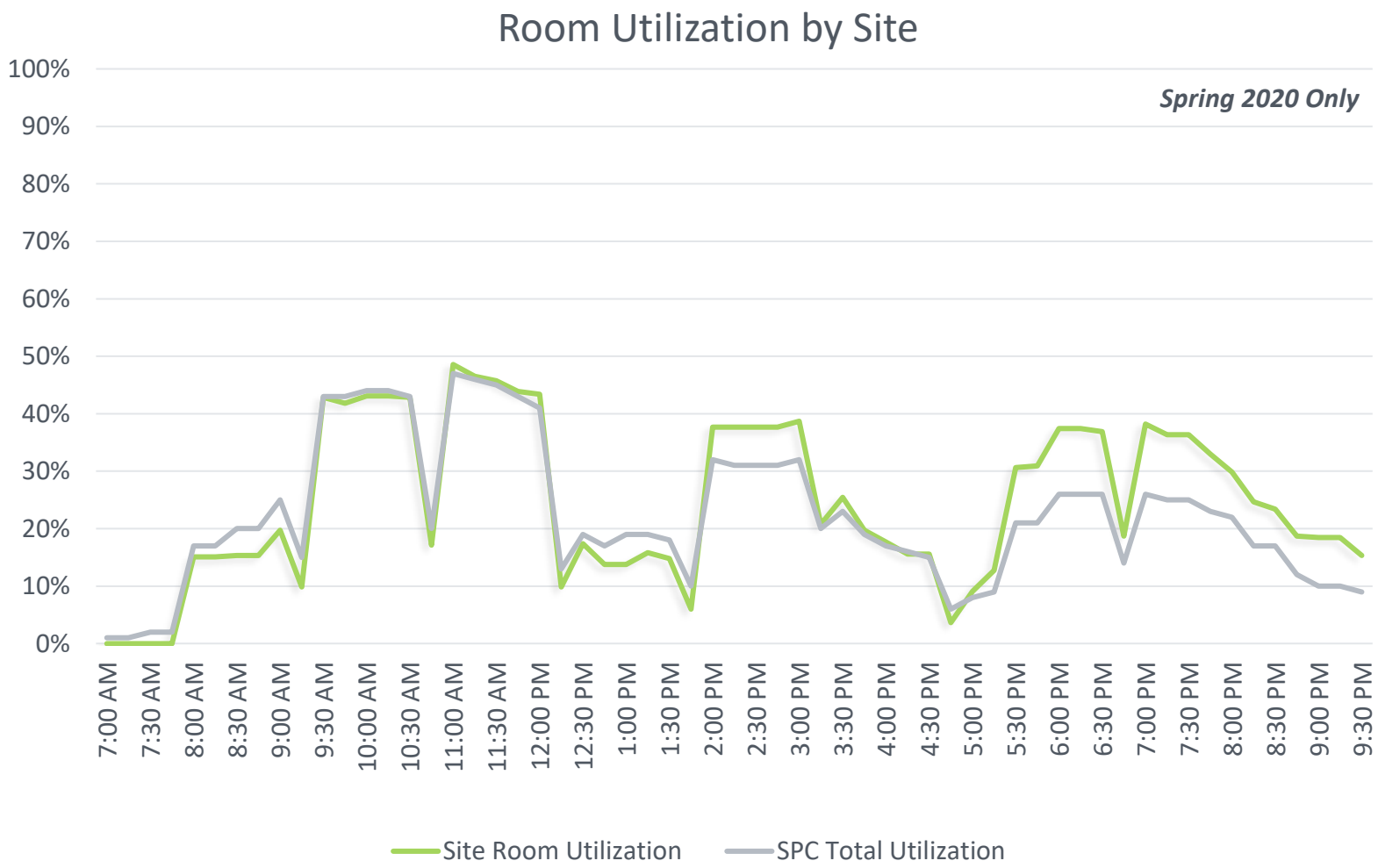
Room Utilization by SPC Site - Clearwater

Classroom & Laboratory Groups only



Site	Room Count*	Prime Time. Utilization
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15 - Downtown Center		
16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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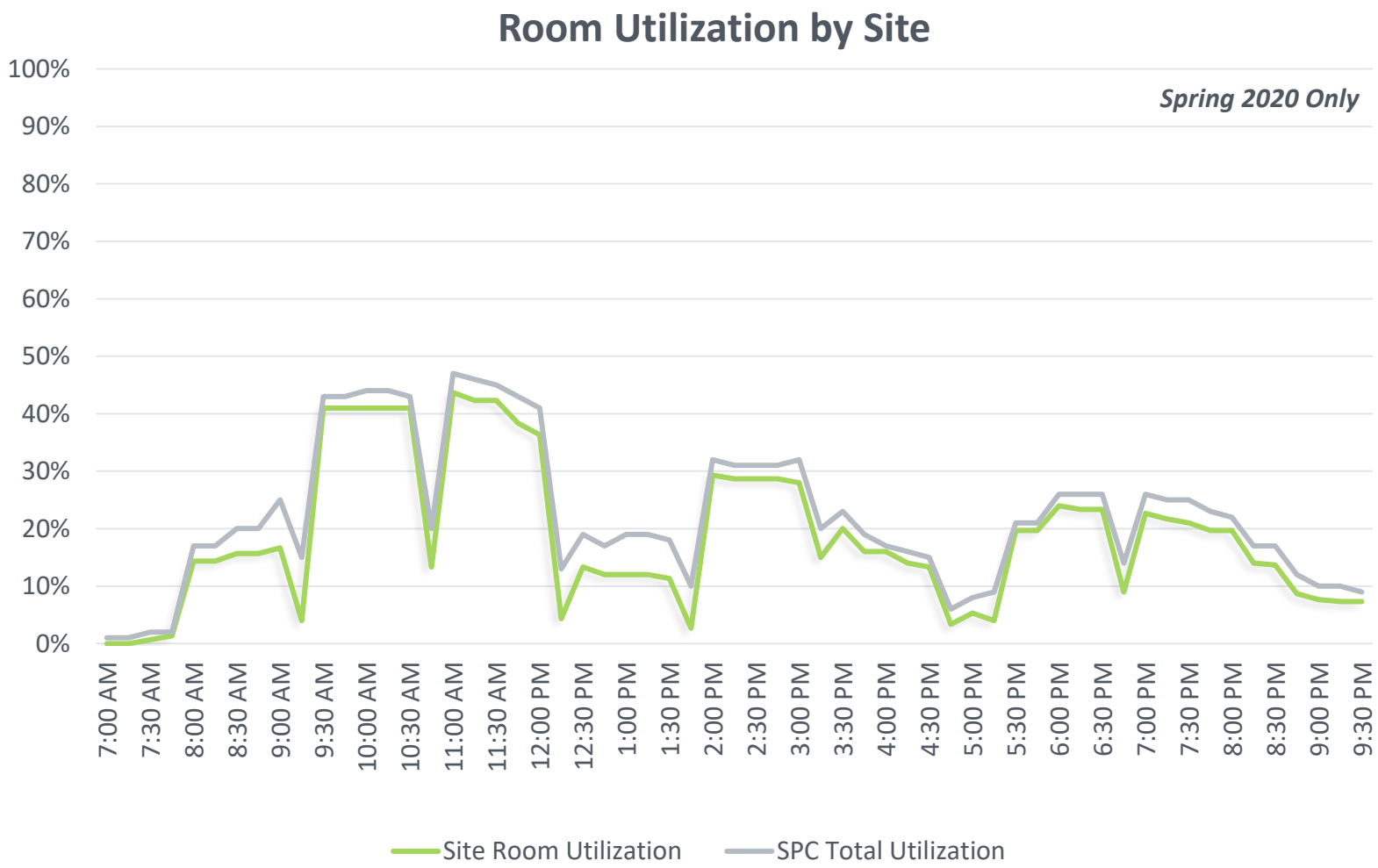
Room Utilization by SPC Site - St Pete/Gibbs

Classroom & Laboratory Groups only



Site	Room Count*	Prime Time. Utilization
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8 - Health Education Center		
9 - Allstate Center		
15 - Downtown Center		
16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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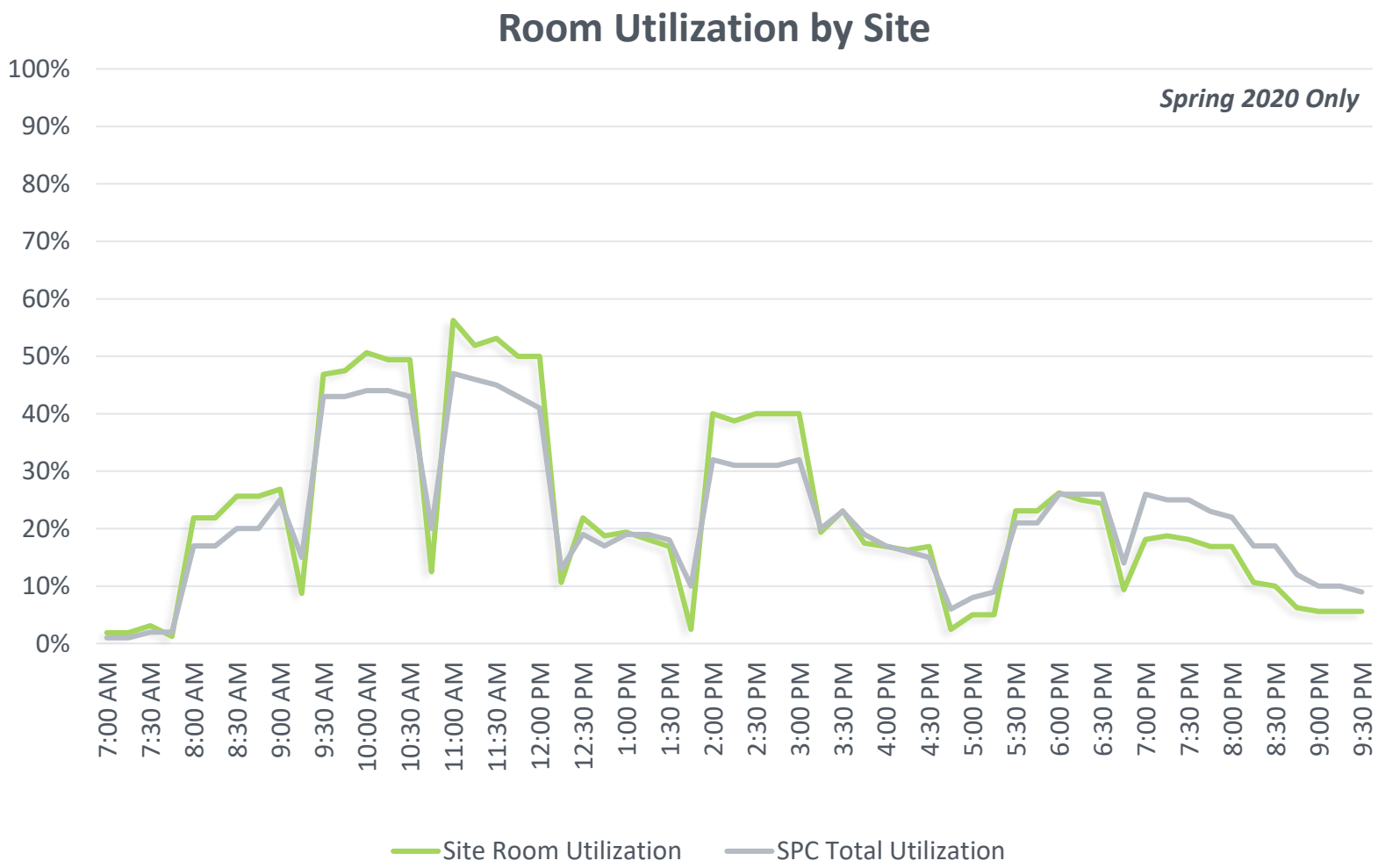
Room Utilization by SPC Site - Seminole

Classroom & Laboratory Groups only



Site	Room Count*	Prime Time. Utilization
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4 - Seminole	32	30%
5 - Tarpon Springs		
6 - Bay Pines Center		
8 - Health Education Center		
9 - Allstate Center		
15 - Downtown Center		
16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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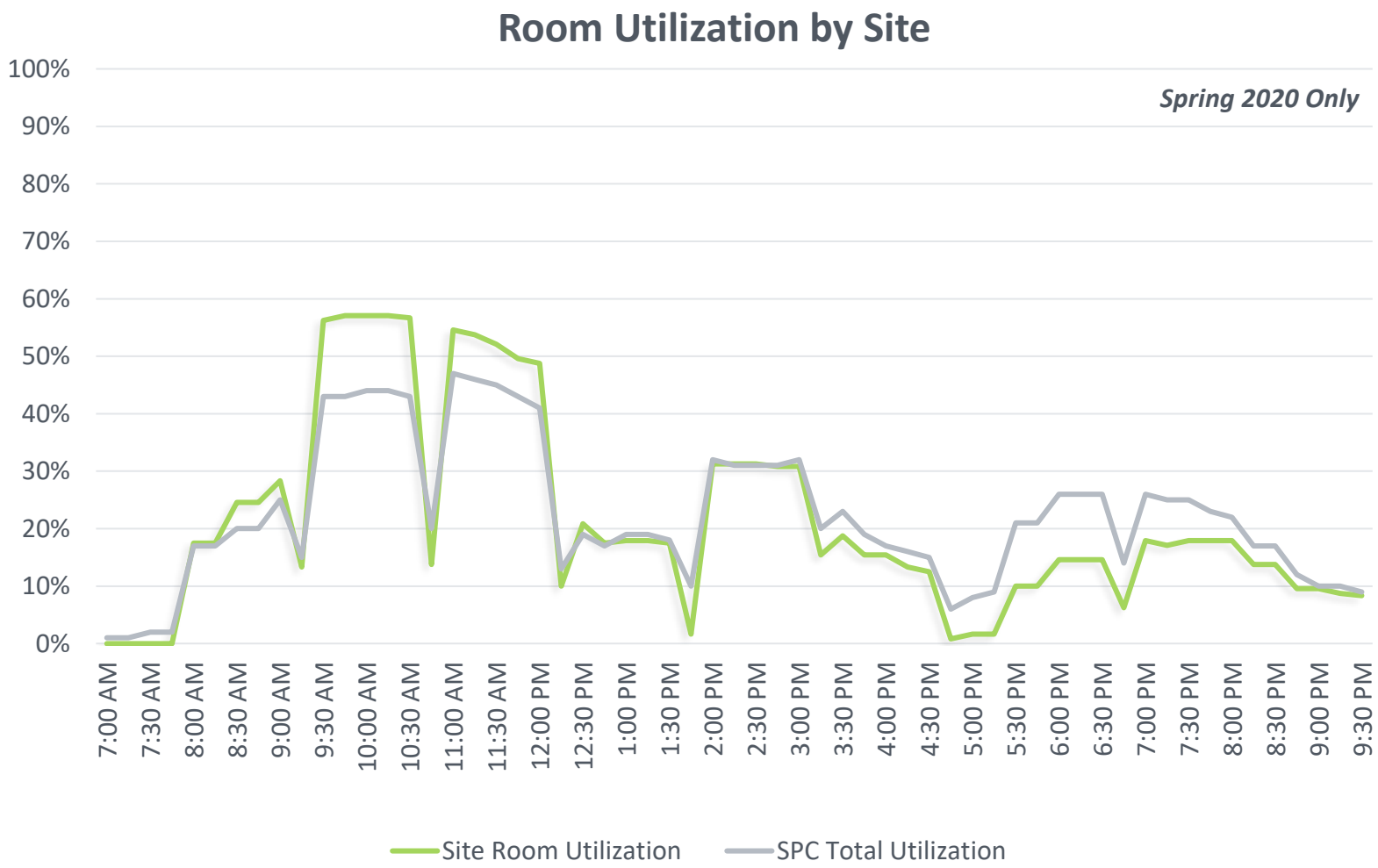
Room Utilization by SPC Site - Tarpon Springs

Classroom & Laboratory Groups only



Site	Room Count*	Prime Time. Utilization
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9 - Allstate Center		
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16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

*From Scheduling Data

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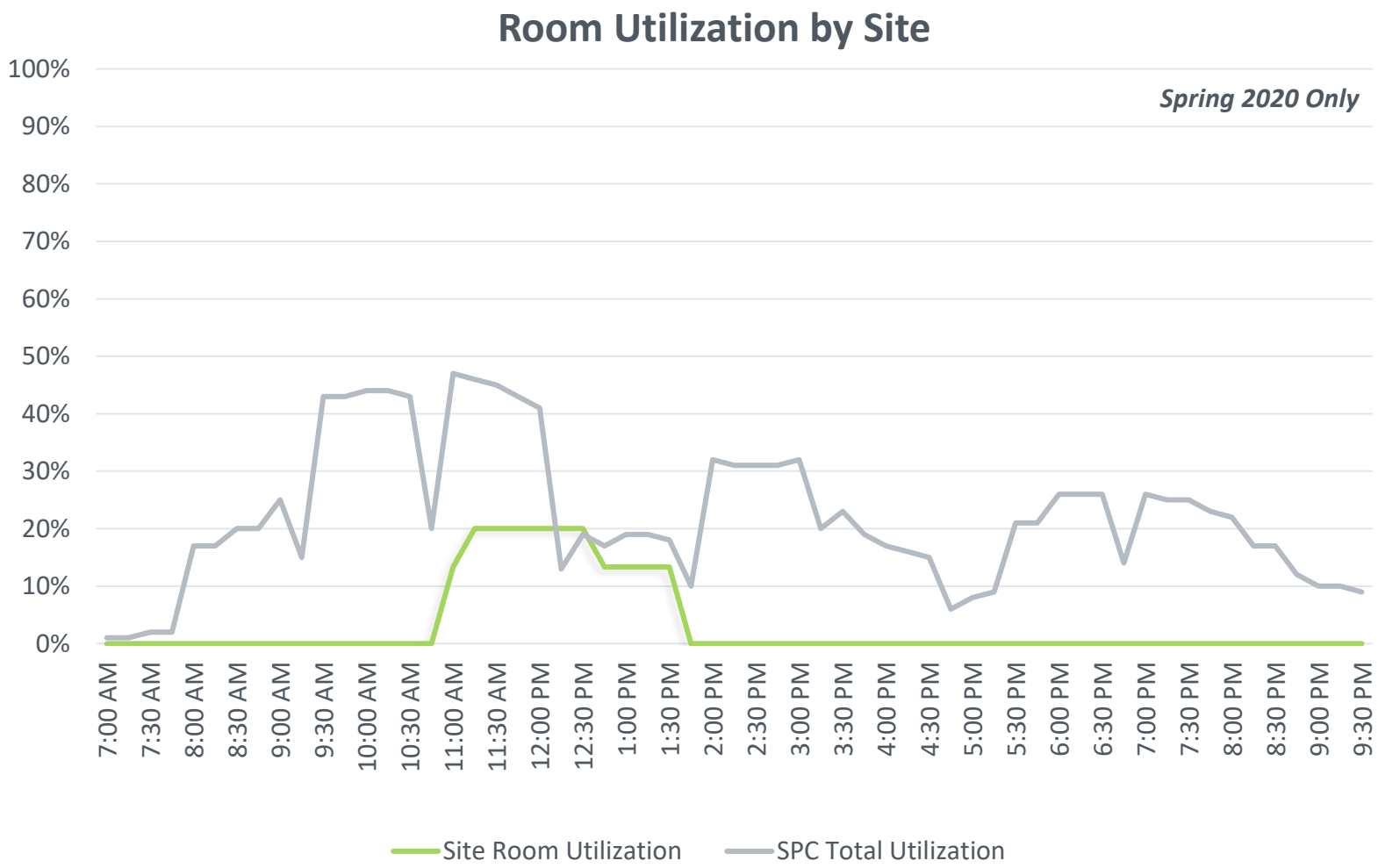
Room Utilization by SPC Site - Bay Pines Center

Classroom & Laboratory Groups only



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8 - Health Education Center		
9 - Allstate Center		
15 - Downtown Center		
16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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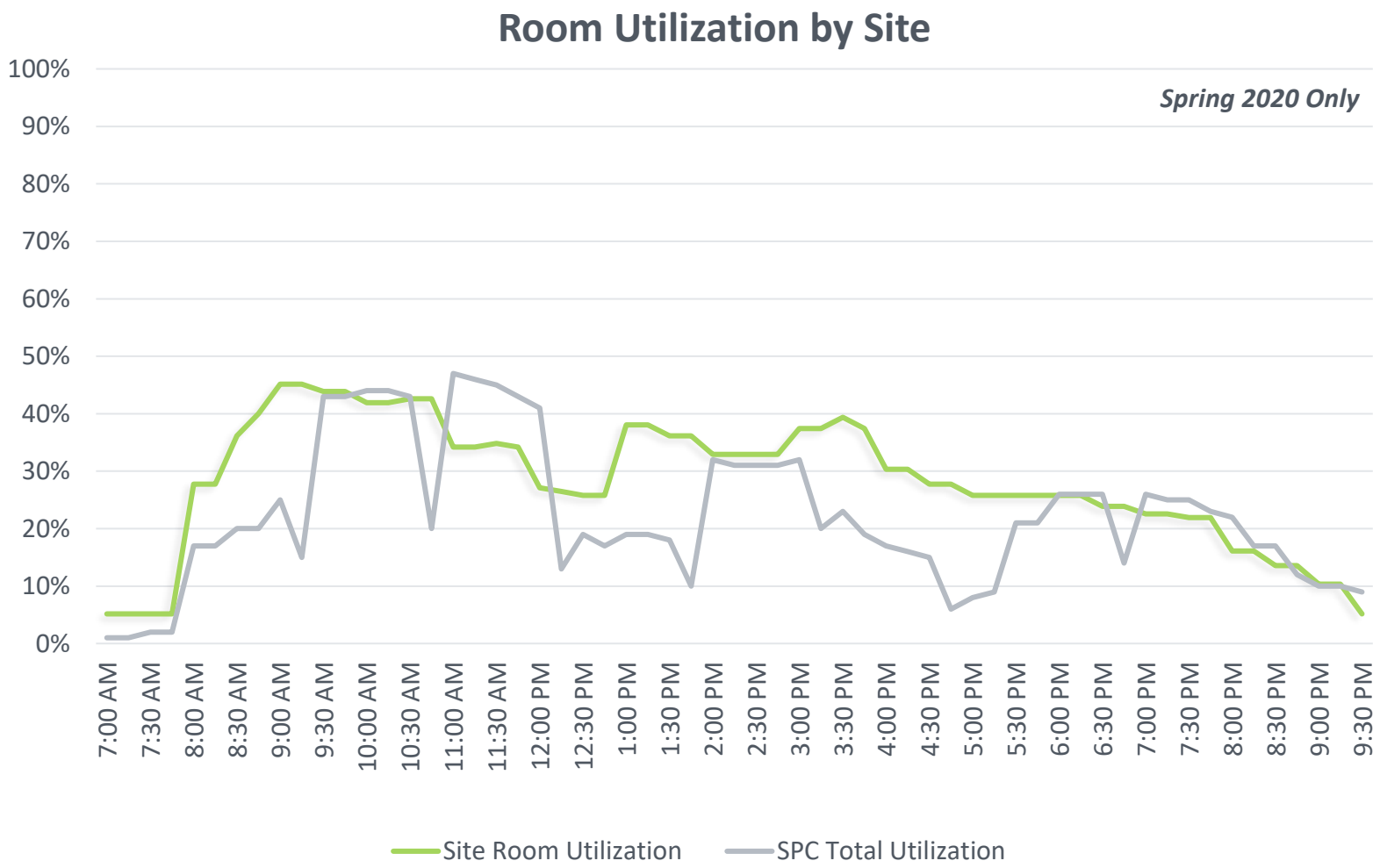
Room Utilization by SPC Site - Health Education Center

Classroom & Laboratory Groups only



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15 - Downtown Center		
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17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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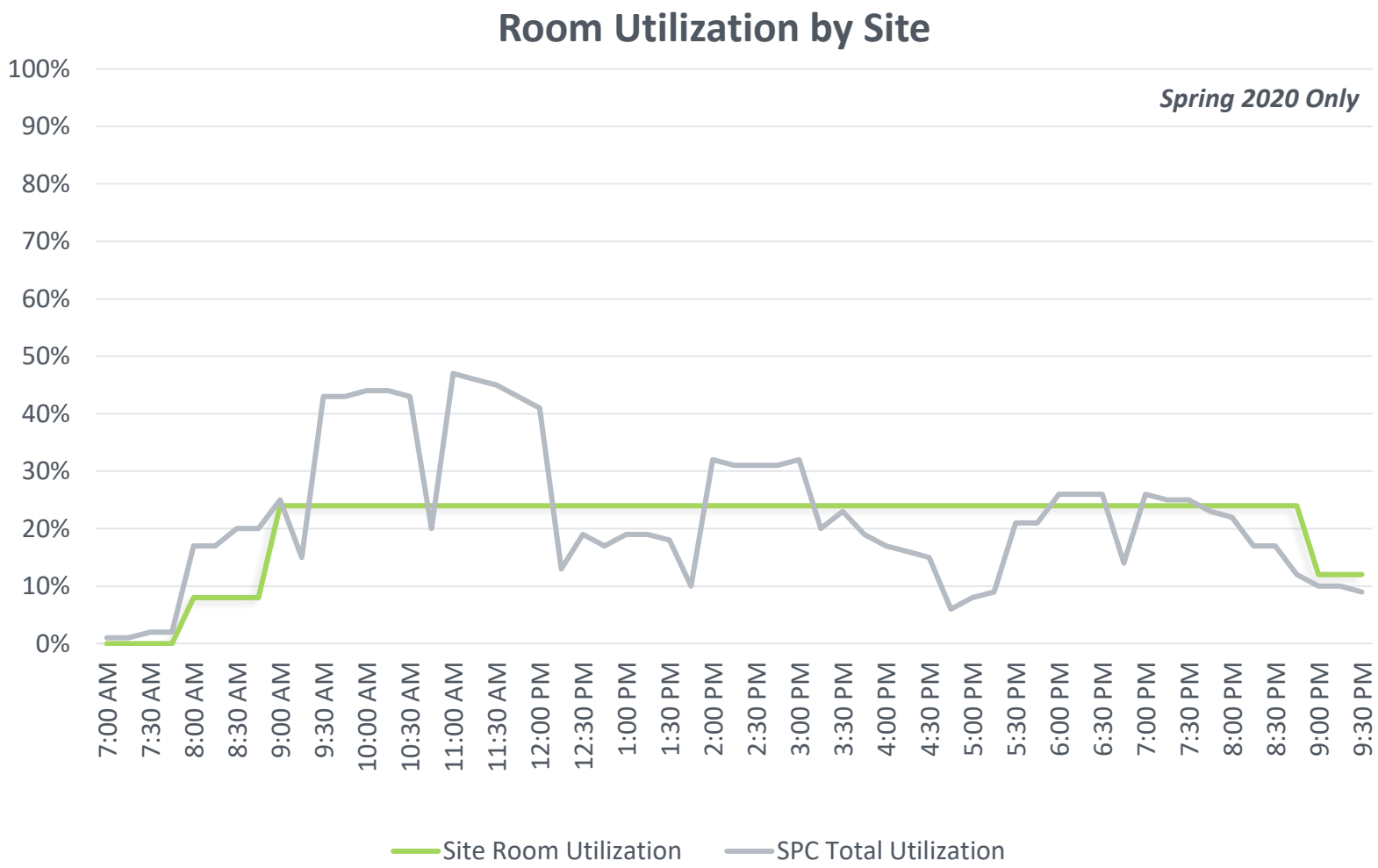
Room Utilization by SPC Site - Allstate Center

Classroom & Laboratory Groups only



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15 - Downtown Center		
16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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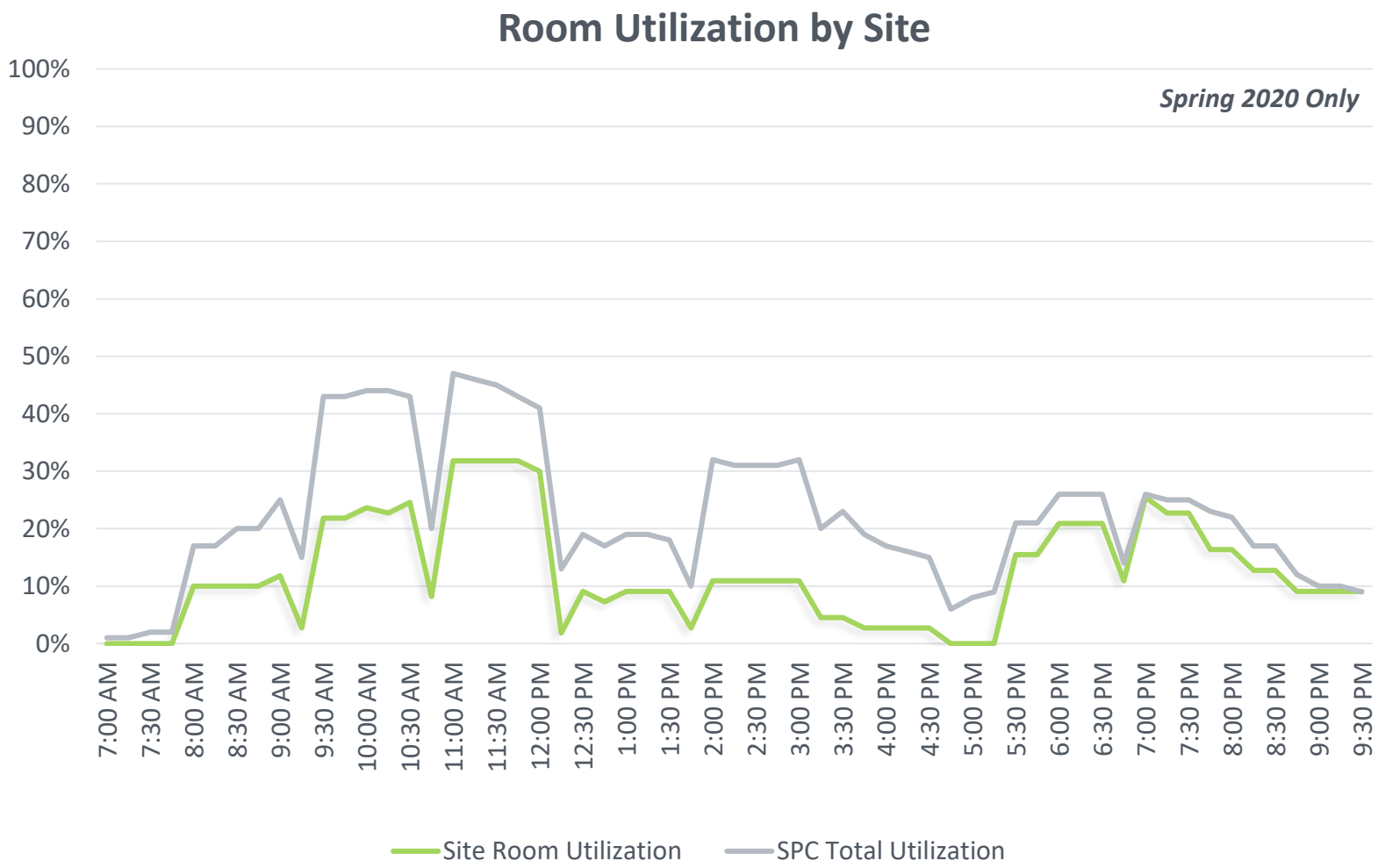
Room Utilization by SPC Site - Downtown

Classroom & Laboratory Groups only



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8 - Health Education Center	31	35%
9 - Allstate Center	10	24%
15 - Downtown Center	22	13%
16 - Midtown Center		
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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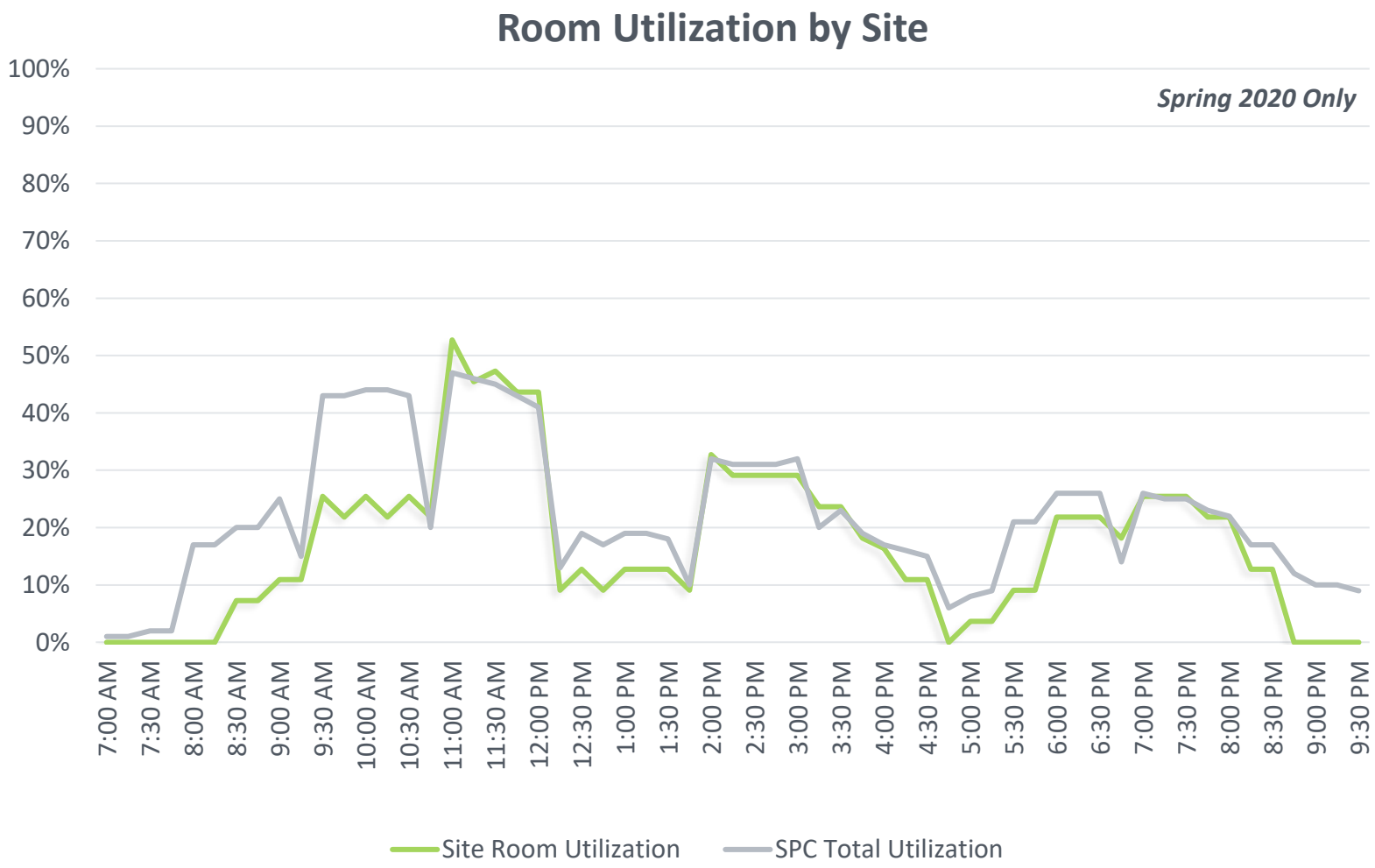
Room Utilization by SPC Site - Midtown Center

Classroom & Laboratory Groups only



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15 - Downtown Center	22	13%
16 - Midtown Center	11	22%
17 - Fire Training Center		
18 - Veterinary Technology		

**From Scheduling Data*

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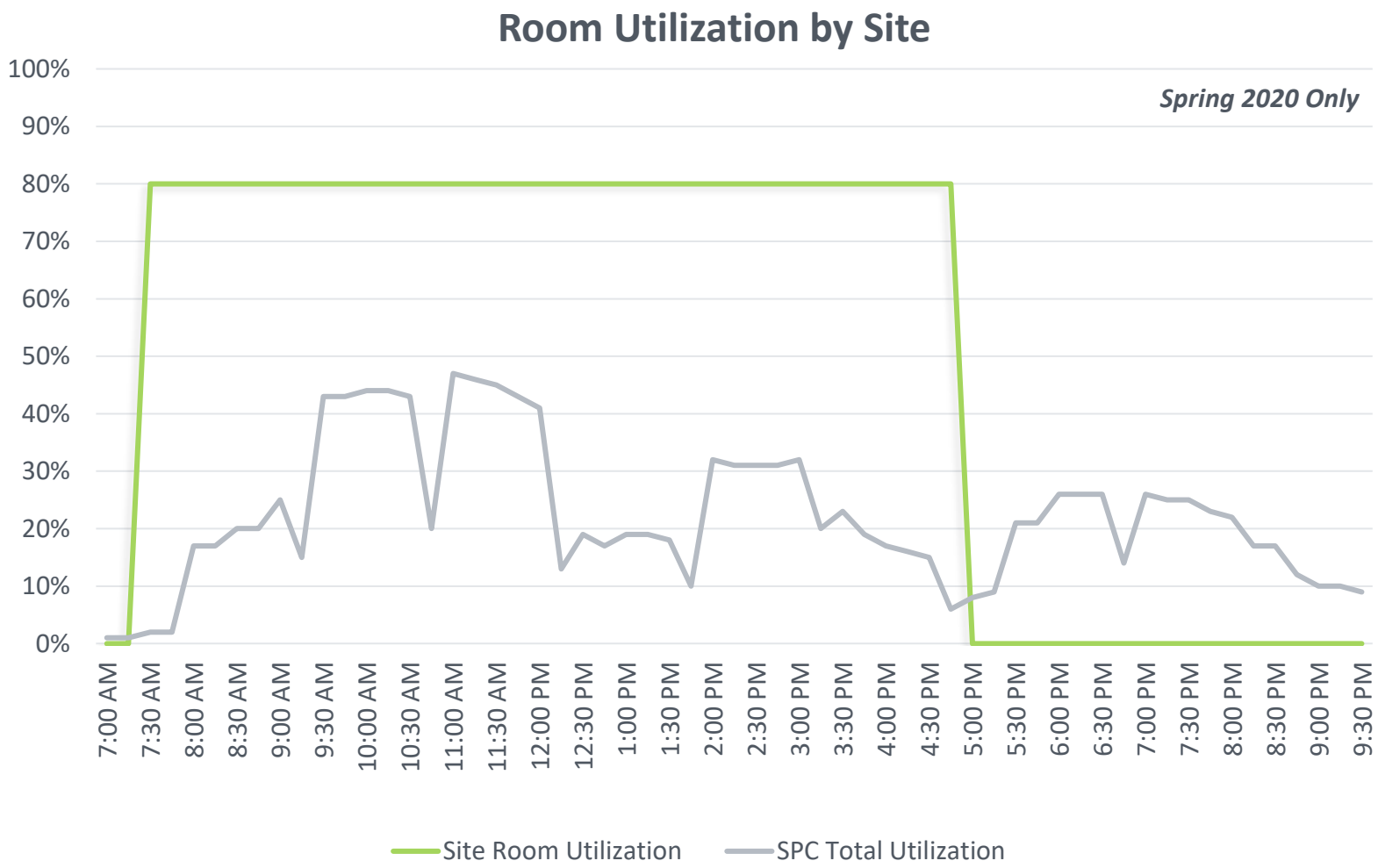
Room Utilization by SPC Site - Fire Training Center

Classroom & Laboratory Groups only



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6 - Bay Pines Center	3	6%
8 - Health Education Center	31	35%
9 - Allstate Center	10	24%
15 - Downtown Center	22	13%
16 - Midtown Center	11	22%
17 - Fire Training Center	1	78%
18 - Veterinary Technology		

**From Scheduling Data*

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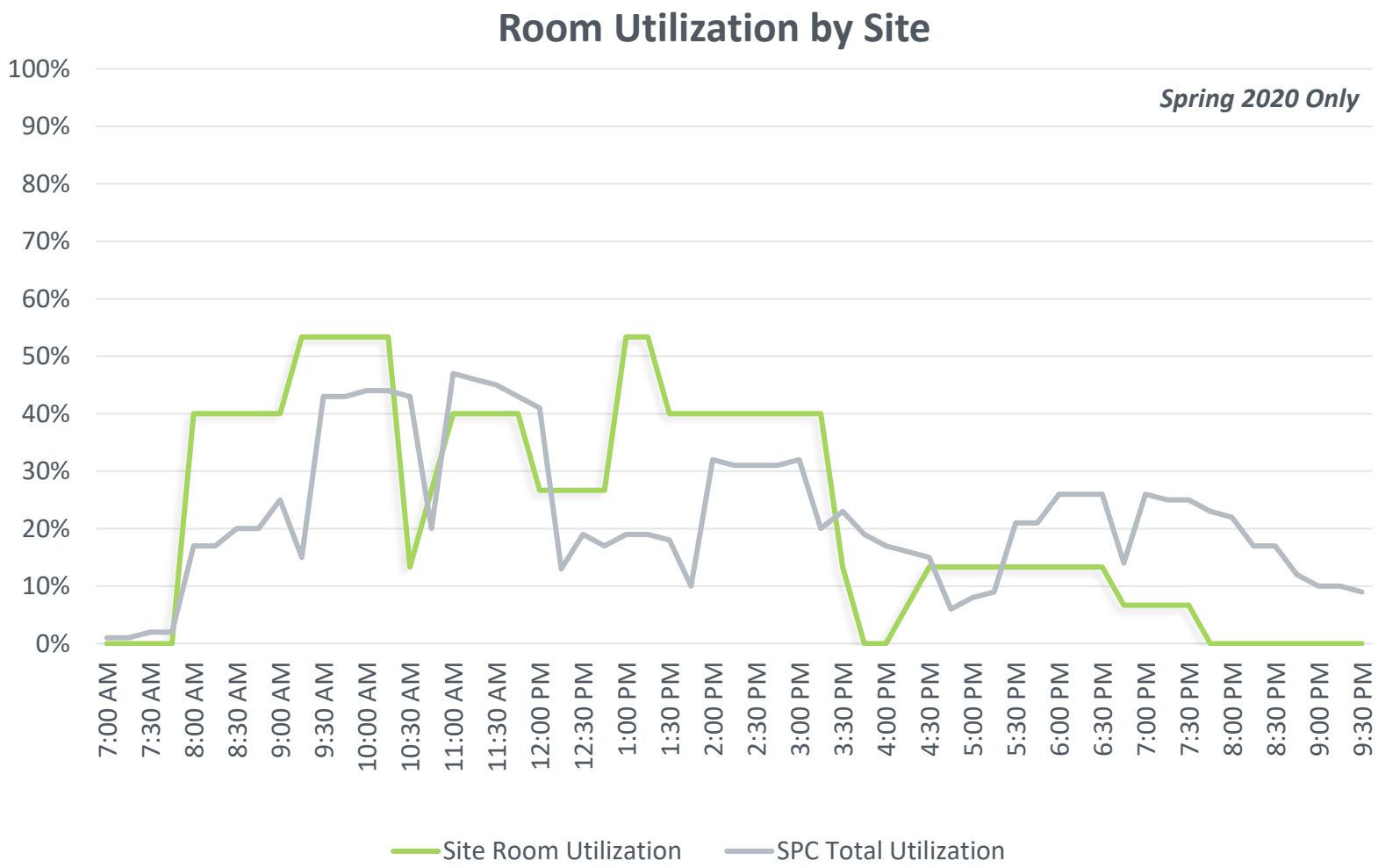
Room Utilization by SPC Site – Veterinary Technology

Classroom & Laboratory Groups only



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6 - Bay Pines Center	3	6%
8 - Health Education Center	31	35%
9 - Allstate Center	10	24%
15 - Downtown Center	22	13%
16 - Midtown Center	11	22%
17 - Fire Training Center	1	78%
18 - Veterinary Technology	3	33%

**From Scheduling Data*

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