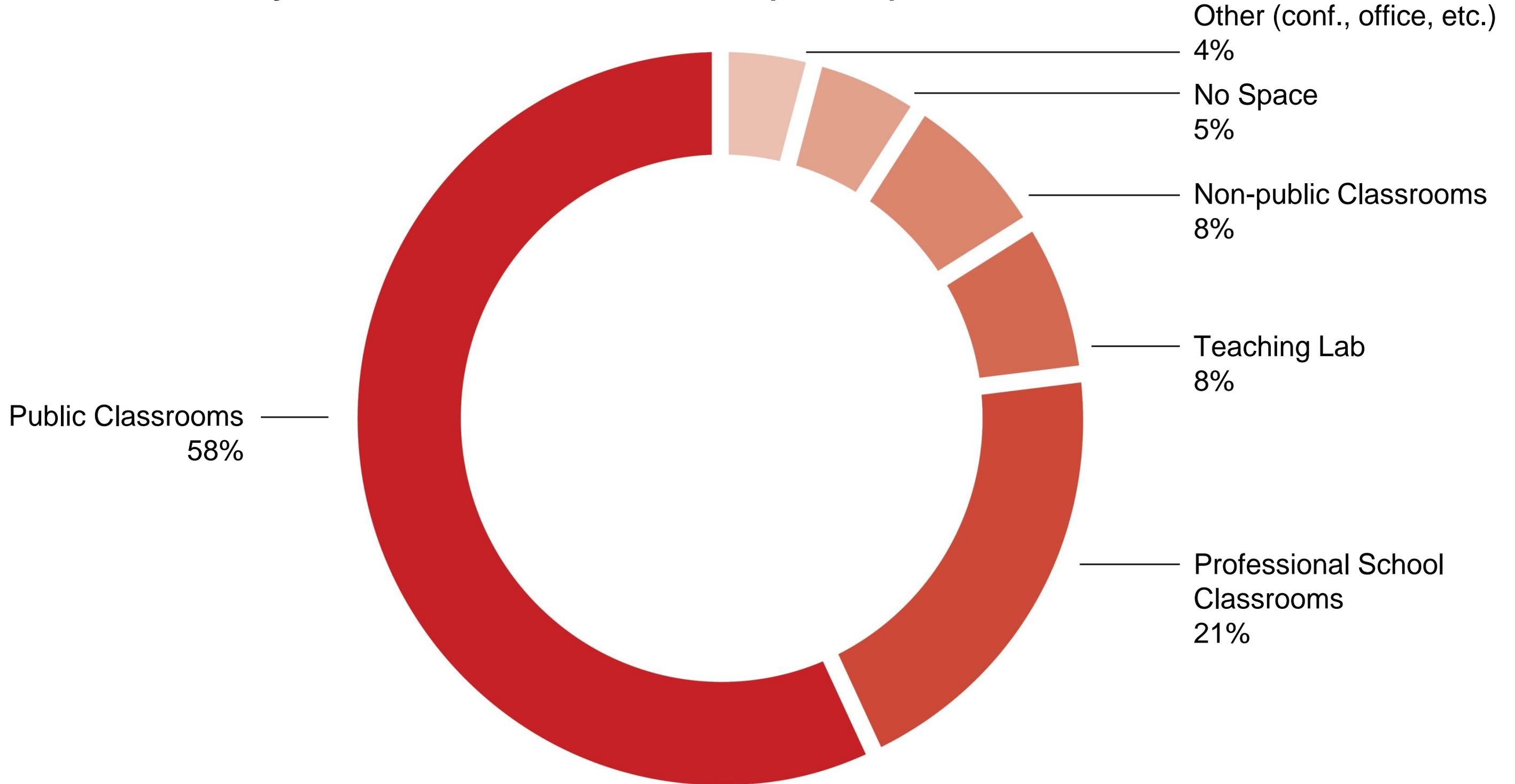


# THE COLLEGE OF WILLIAM & MARY MASTER PLAN PUBLIC CLASSROOM ANALYSIS

10 April 2014

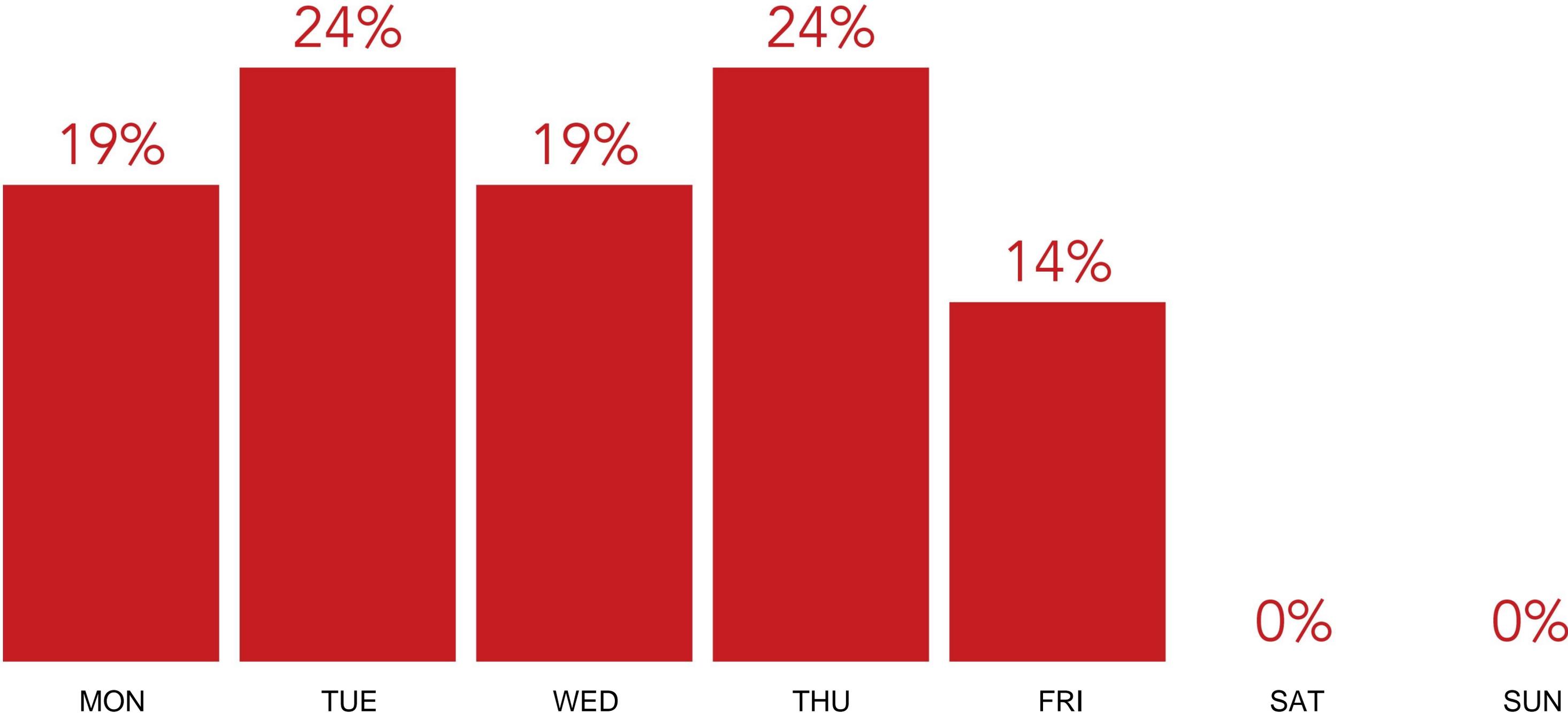
# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Distribution of Weekly Scheduled Contact Hours (WSCH)



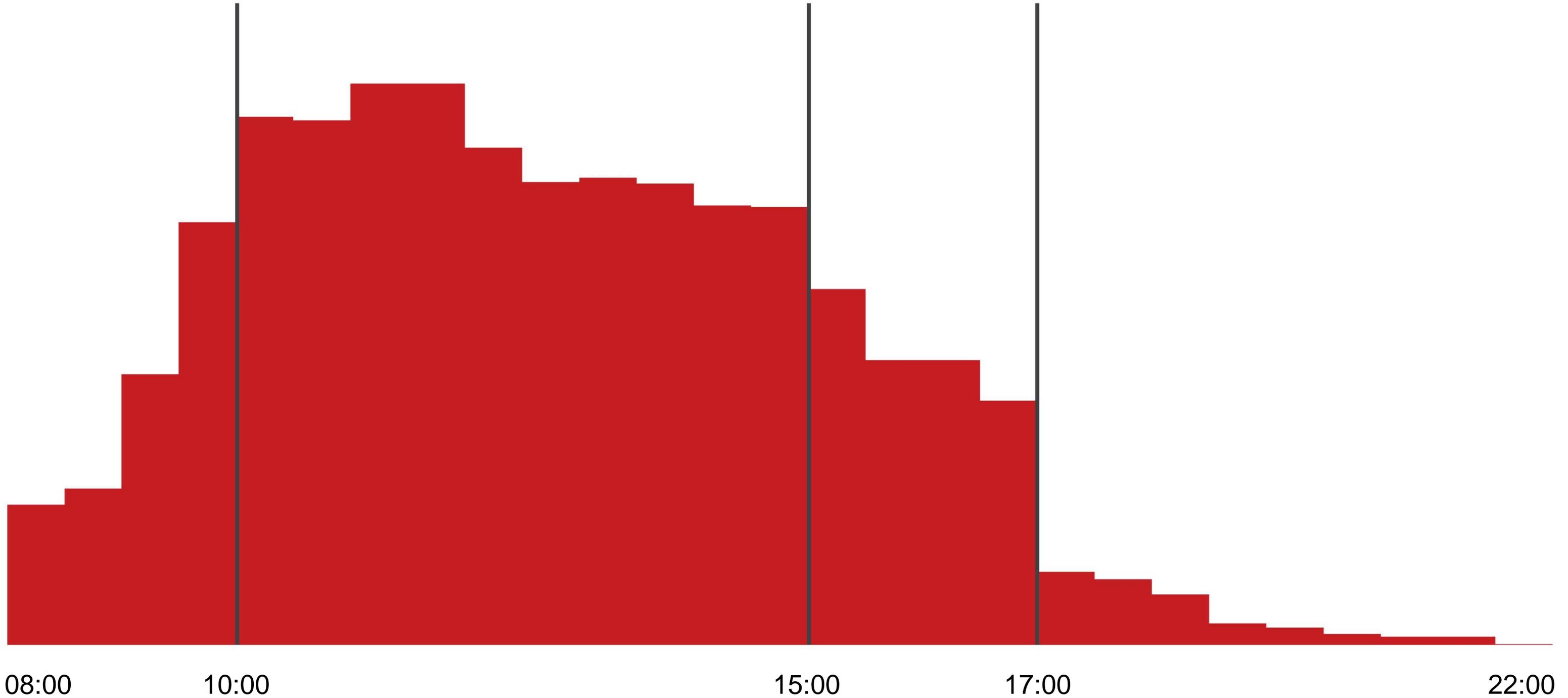
# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Distribution of WSCH by Day of Week



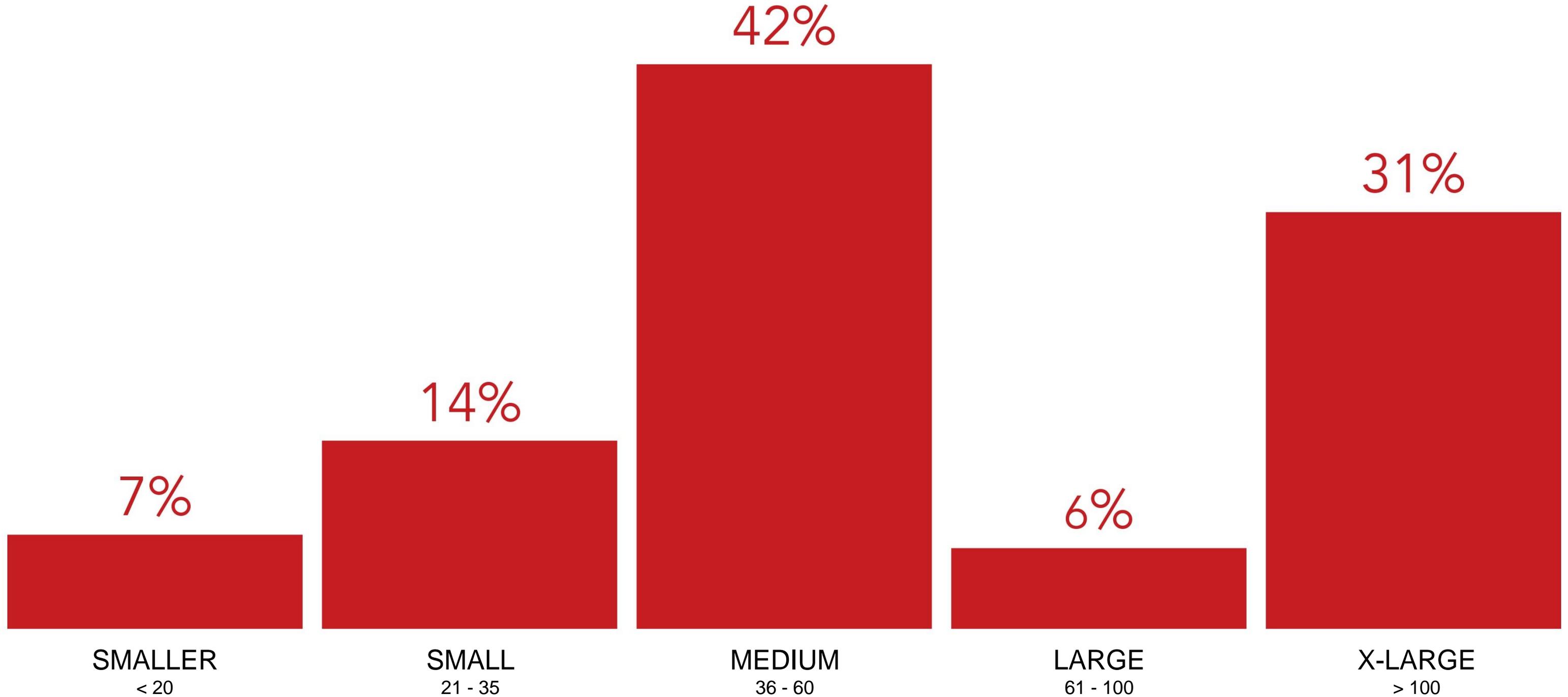
# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Distribution of WSCH by Time of Day (average)



# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Distribution of WSCH by Room Size



# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Space Requirement Calculation Inputs (SCHEV Targets)

**\***

**20**

**40**

**60**

**WSCH**  
(varies)

**Station Space**  
(asf/station)

**Room Use**  
(hours/week)

**Occupancy**  
(%)

Smaller  
Small  
Medium  
Large  
X-Large  
Average

21.89  
19.84  
18.56  
14.28  
13.21  
24.32

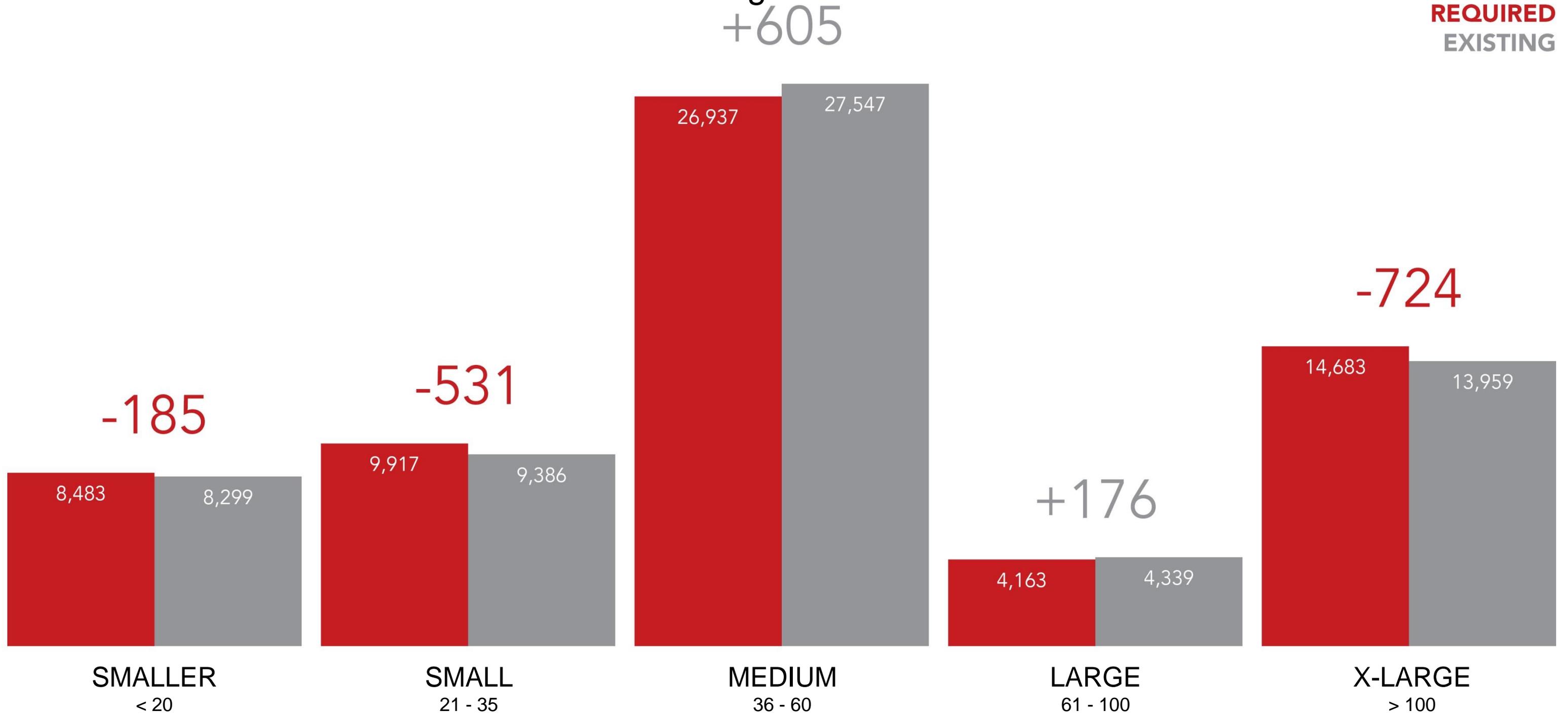
20.92  
31.66  
31.39  
26.04  
28.42  
25.24

55.88  
52.99  
56.93  
50.39  
59.49  
53.48

# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Required Space (sq ft) vs. Existing Space (sq ft) by Room Size

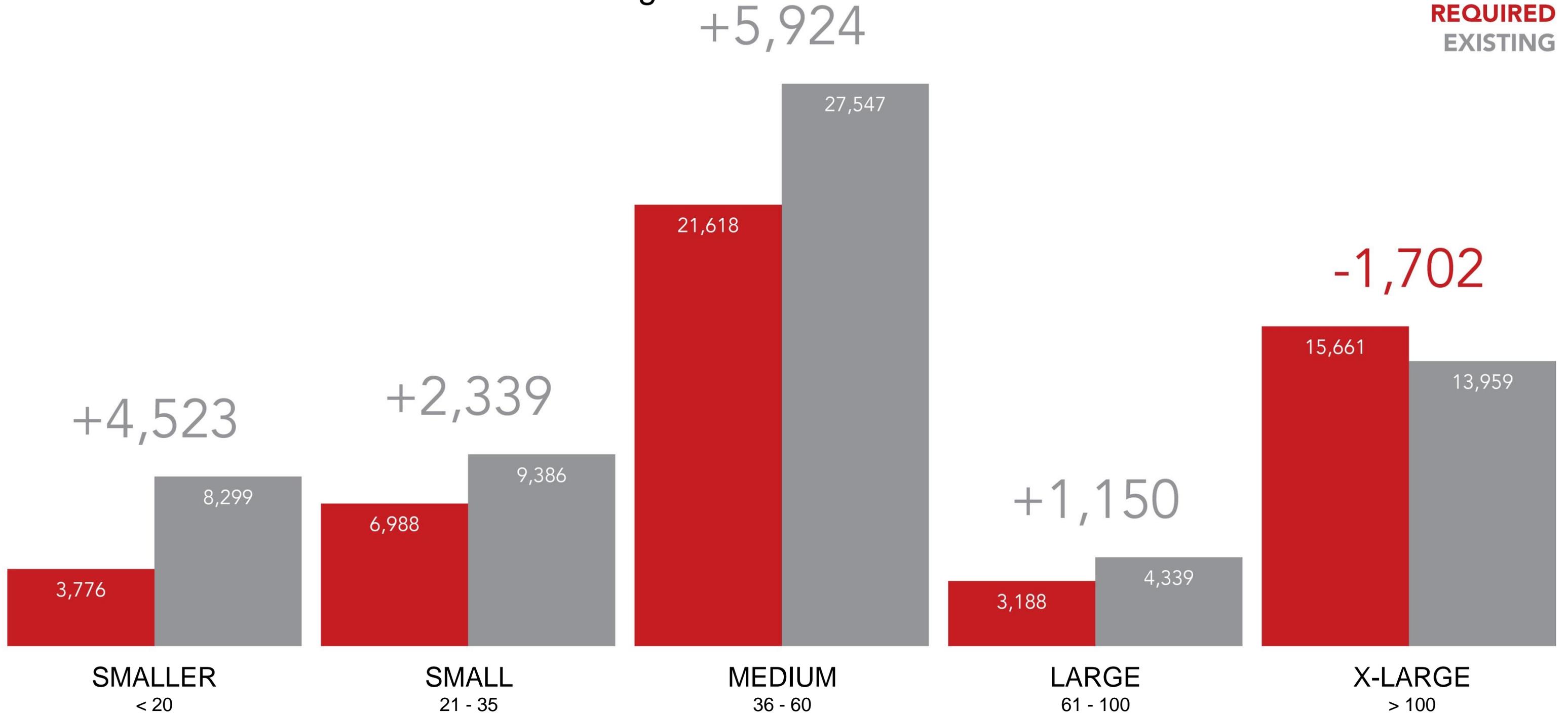
CEFPI calculations based on Current Scheduling



# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Required Space (sq ft) vs. Existing Space (sq ft) by Room Size

CEFPI calculations based on SCHEV targets



# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Space Requirement Calculation Inputs (SCHEV Targets)

\*

20

40

60

**WSCH**  
(varies)

**Station Space**  
(asf/station)

**Room Use**  
(hours/week)

**Occupancy**  
(%)

Smaller  
Small  
Medium  
Large  
X-Large  
Average

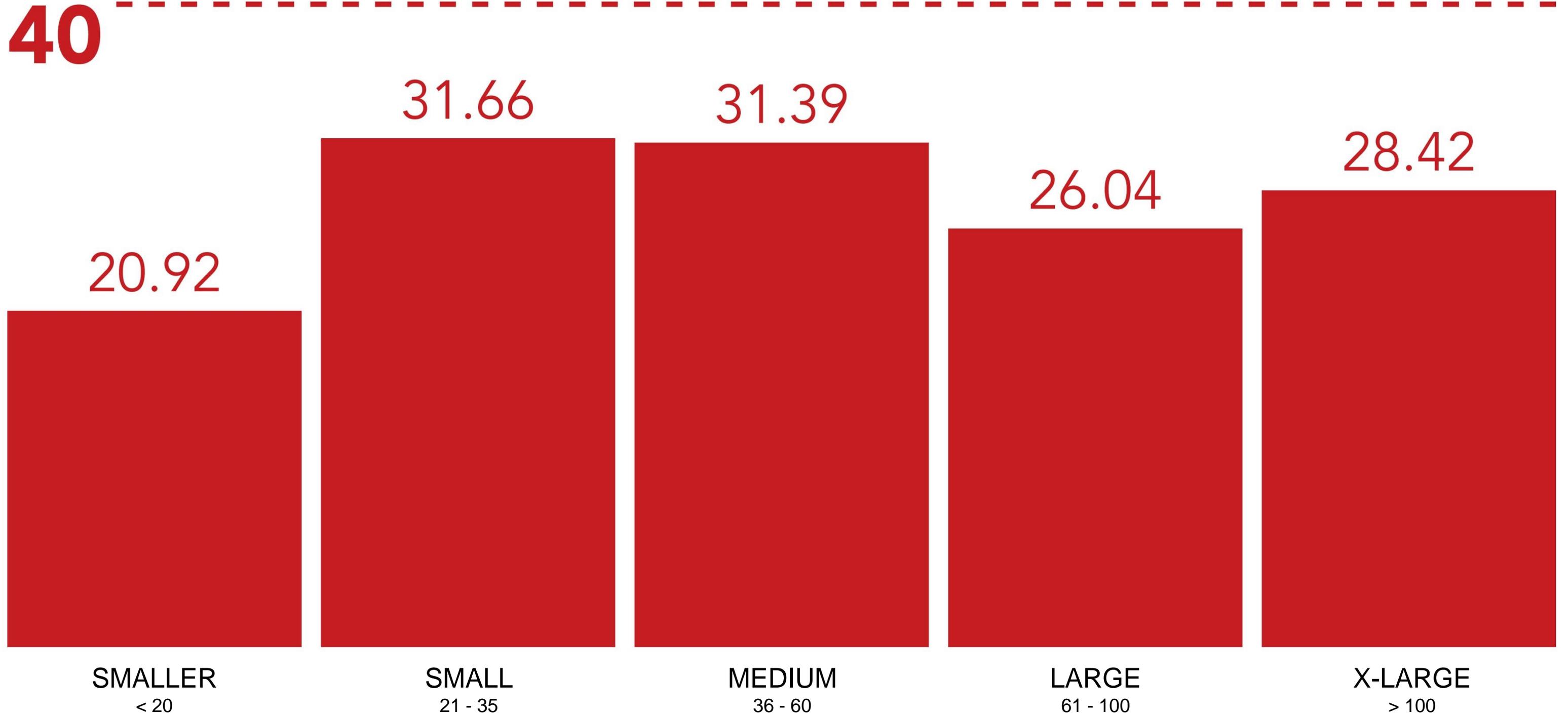
21.89  
19.84  
18.56  
14.28  
13.21  
24.32

20.92  
31.66  
31.39  
26.04  
28.42  
25.24

55.88  
52.99  
56.93  
50.39  
59.49  
53.48

# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Room Use (Hours/Week)



# SUMMARY OF FINDINGS – TEACHING LABORATORY ANALYSIS

## Space Requirement Calculation Inputs (SCHEV Targets)

**\***

**50**

**24**

**75**

**WSCH**  
(varies)

**Station Space**  
(asf/station)

**Room Use**  
(hours/week)

**Occupancy**  
(%)

Smaller  
Small  
Average

49.60  
43.73  
45.58

15.10  
19.41  
18.09

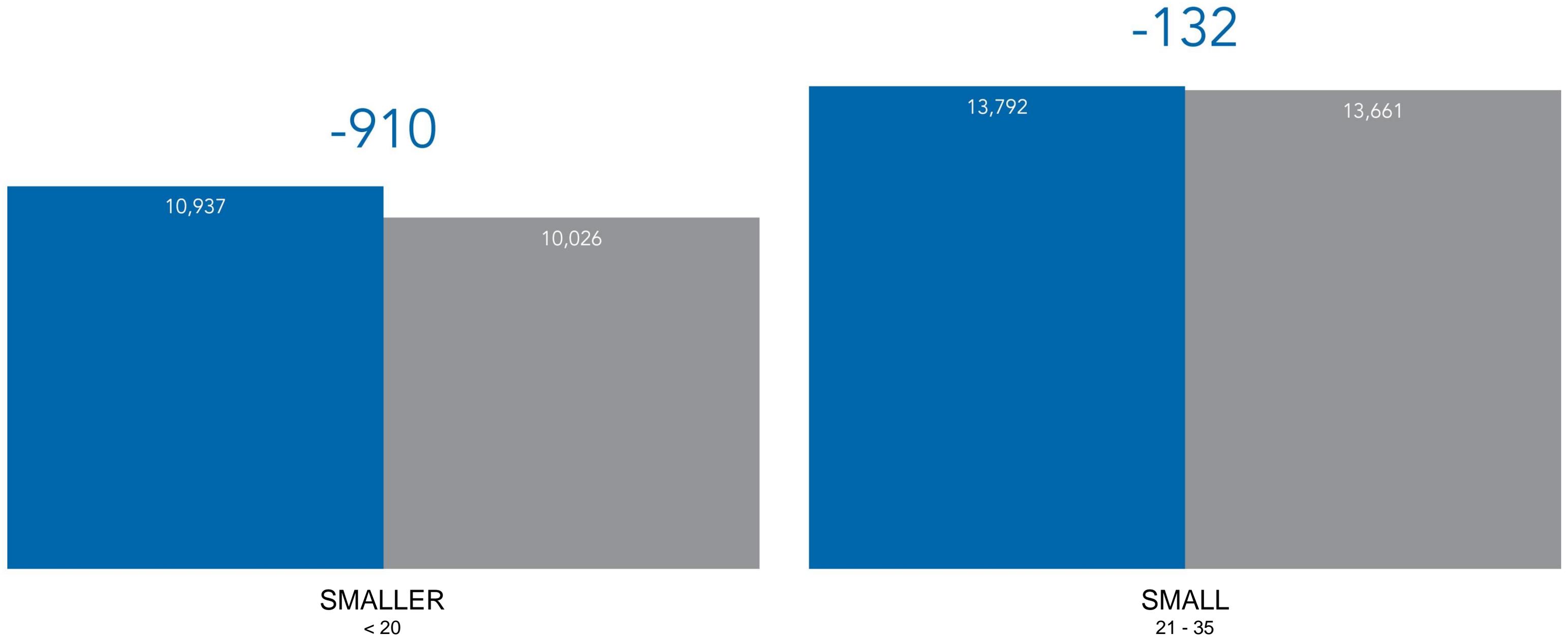
76.07  
81.25  
77.88

# SUMMARY OF FINDINGS – TEACHING LABORATORY ANALYSIS

## Required Space (sq ft) vs. Existing Space (sq ft) by Room Size

CEFPI calculations based on Current Scheduling

**REQUIRED**  
EXISTING

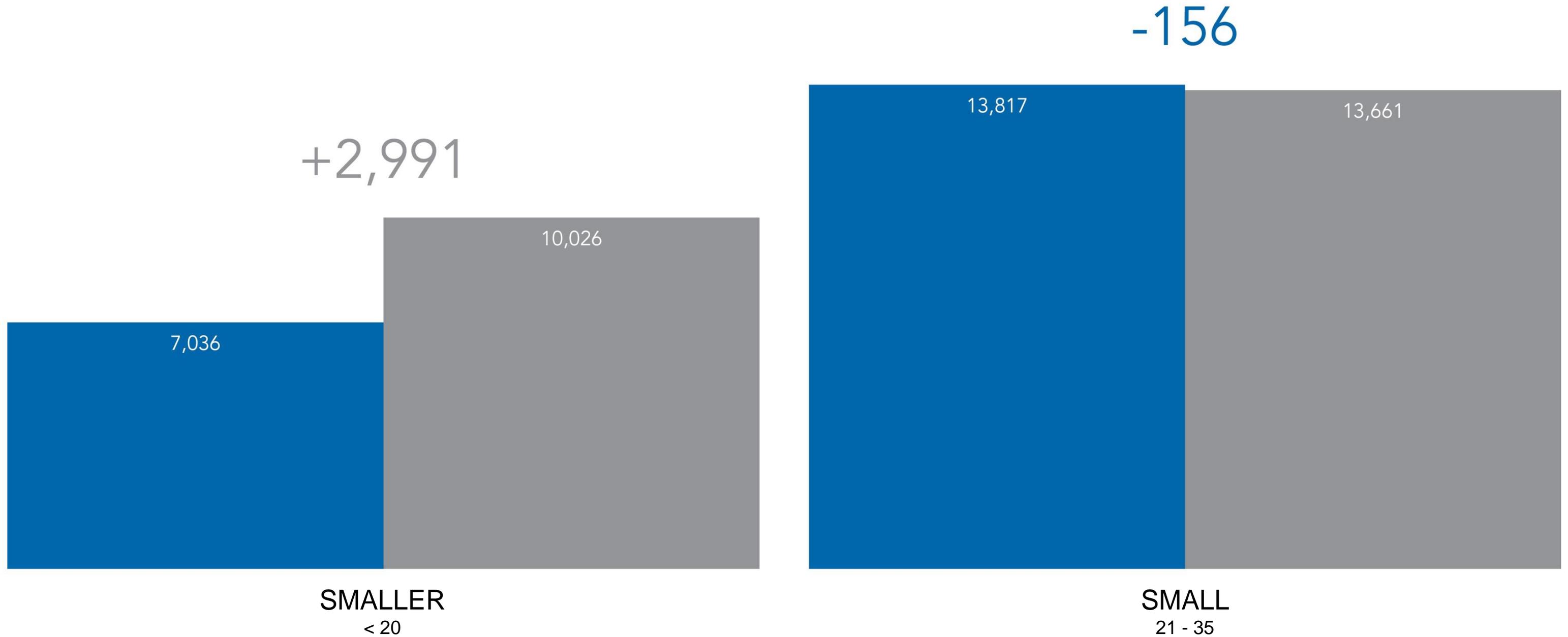


# SUMMARY OF FINDINGS – TEACHING LABORATORY ANALYSIS

## Required Space (sq ft) vs. Existing Space (sq ft) by Room Size

CEFPI calculations based on SCHEV targets

**REQUIRED**  
EXISTING



# SUMMARY OF FINDINGS – TEACHING LABORATORY ANALYSIS

## Space Requirement Calculation Inputs (SCHEV Targets)

\*

50

24

75

**WSCH**  
(varies)

**Station Space**  
(asf/station)

**Room Use**  
(hours/week)

**Occupancy**  
(%)

Smaller  
Small  
Average

49.60  
43.73  
45.58

15.10  
19.41  
18.09

76.07  
81.25  
77.88

# SUMMARY OF FINDINGS – TEACHING LABORATORY ANALYSIS

Room Use (Hours/Week)

24

19.41

15.10

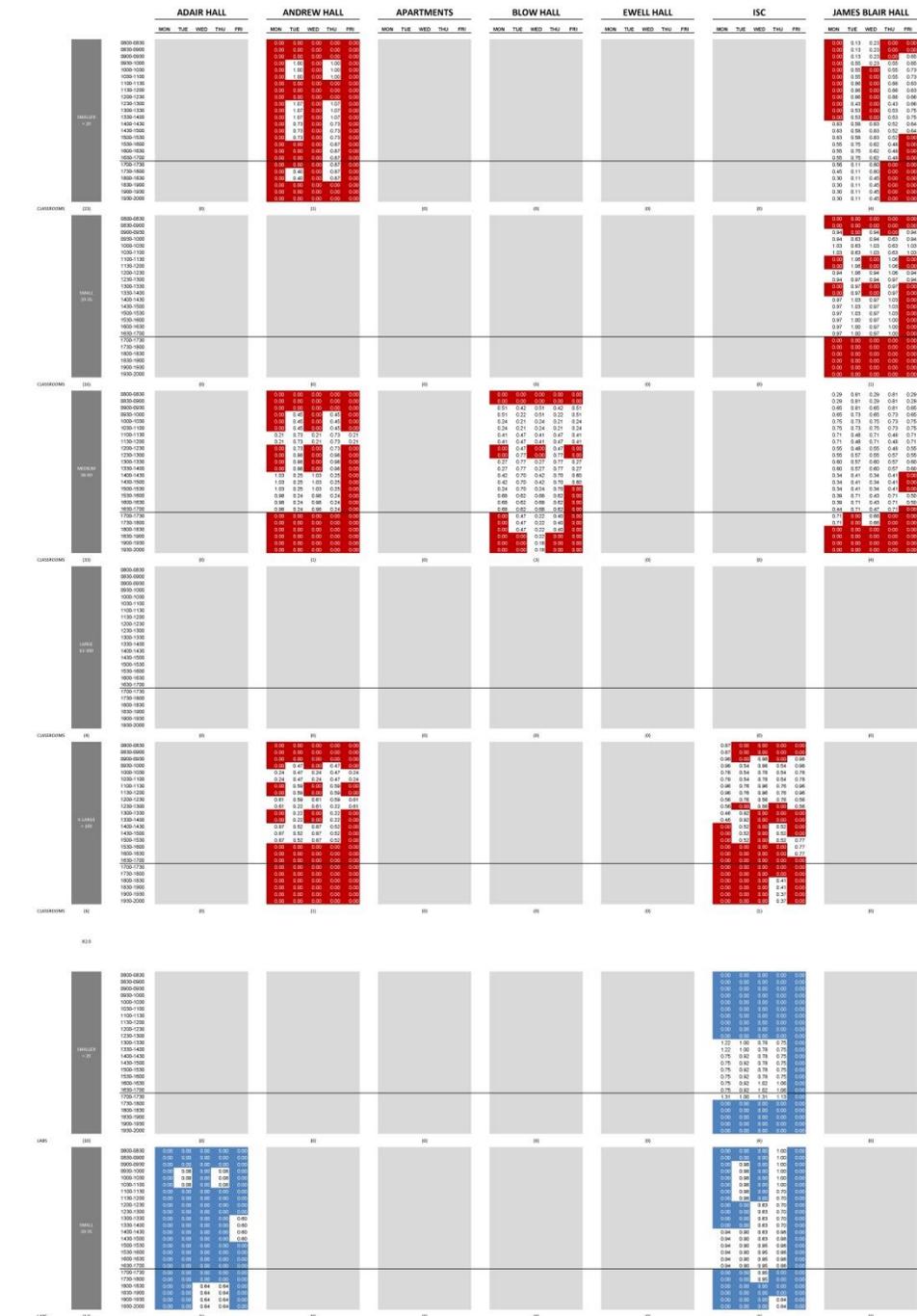
SMALLER  
< 20

SMALL  
21 - 35

# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Public Classroom 'DNA'

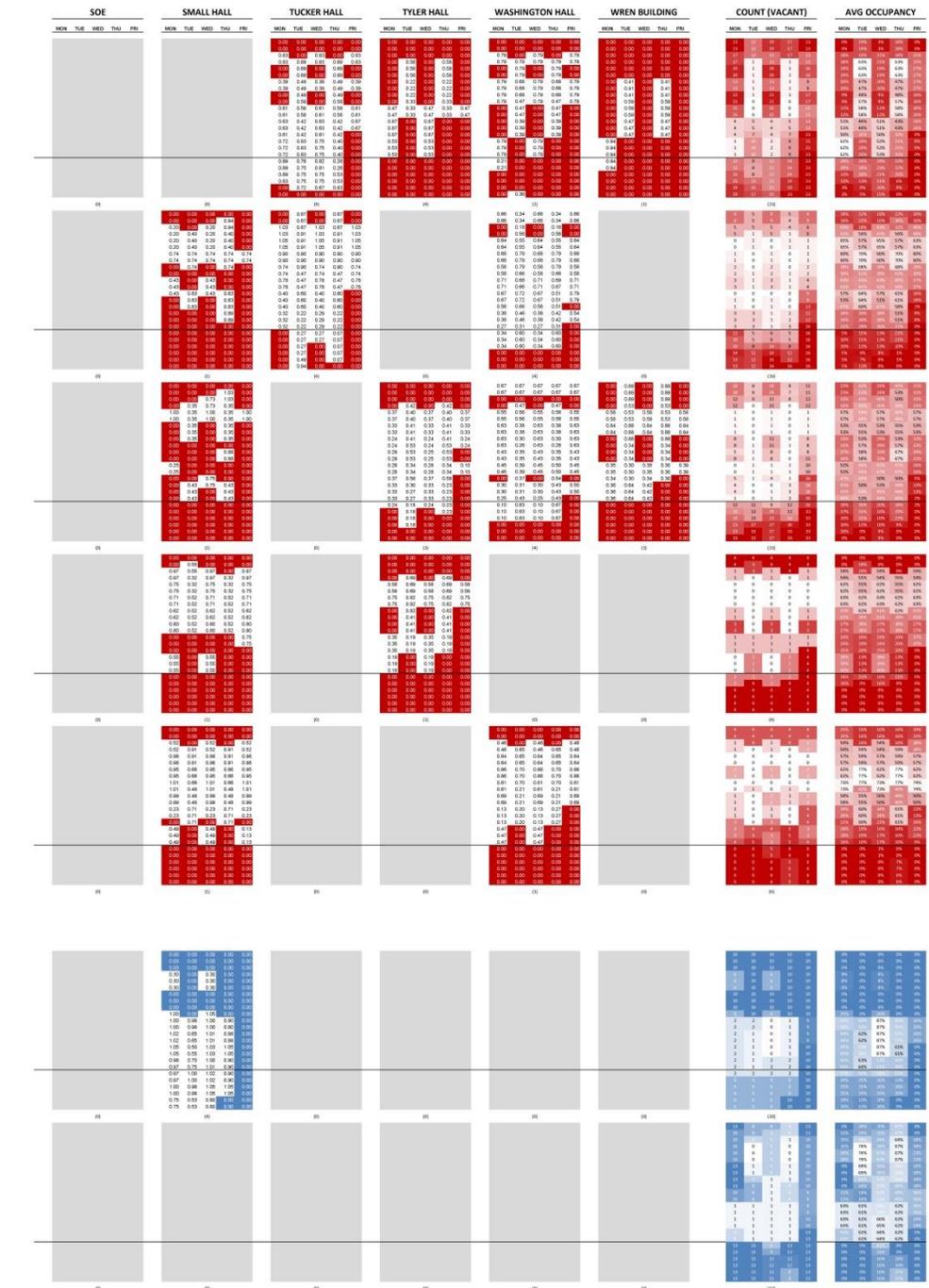
PUBLIC CLASSROOM AVERAGE OCCUPANCY (%) BY BUILDING, ROOM SIZE, TIME



PUBLIC CLASSROOM AVERAGE OCCUPANCY (%) BY BUILDING, ROOM SIZE, TIME



PUBLIC CLASSROOM AVERAGE OCCUPANCY (%) BY BUILDING, ROOM SIZE, TIME



# **SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS**

## **Student Life Activity in Public Classrooms**

# **EMS**

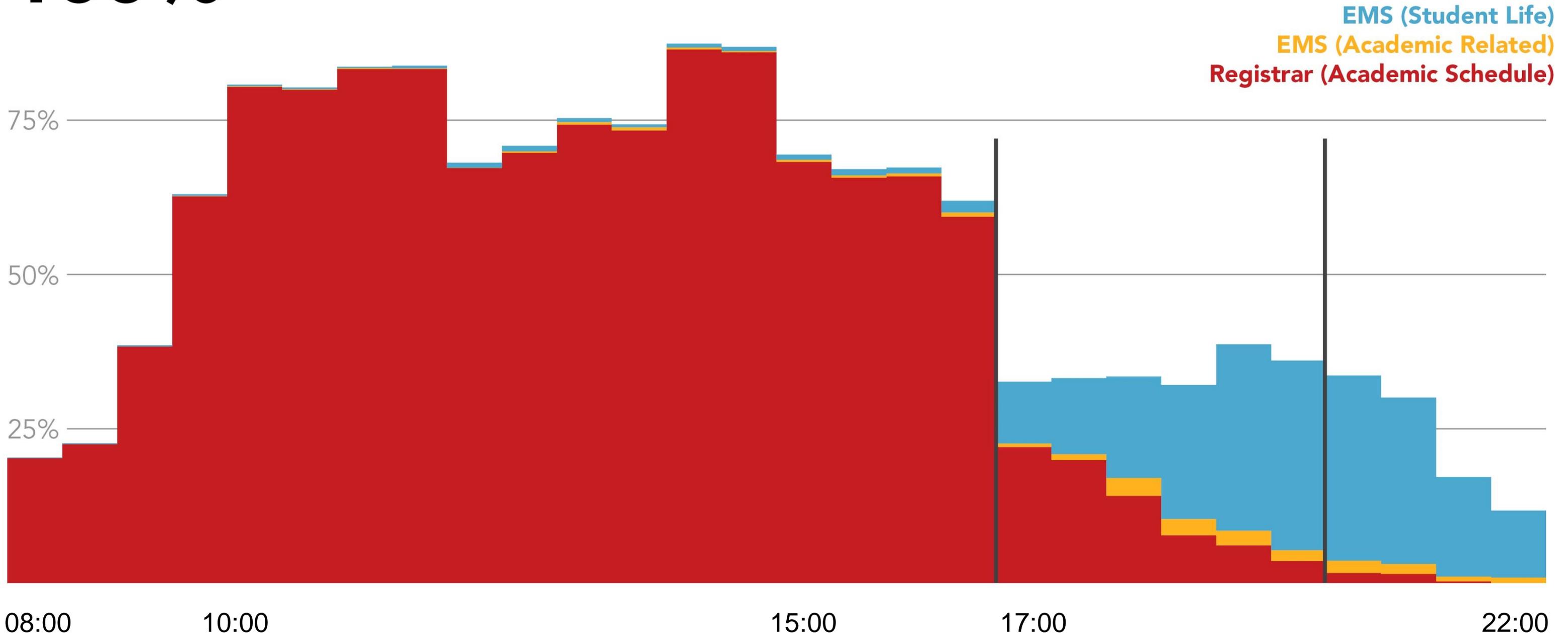
**Events Management System**

# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## Total Weekday Events by Time of Day in Public Classrooms (Fall 2013)

(capacity based on 82 classrooms over 14 weeks)

# 100%



# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## EMS Classroom Scheduling from 08:00-17:00 (Public Classrooms)

**70** of **82** used for TEACHING (85%)

**1** of **82** used for STUDENT LIFE (1%)

**11** of **82** not in use, VACANT (14%)



# SUMMARY OF FINDINGS – PUBLIC CLASSROOM ANALYSIS

## EMS Classroom Scheduling from 17:00-20:00 (Public Classrooms)

**11** of **82** used for TEACHING (14%)

**17** of **82** used for STUDENT LIFE (20%)

**54** of **82** not in use, VACANT (66%)

