



Oregon State
University

OREGON STATE UNIVERSITY
PARKING UTILIZATION STUDY 2021-2022

FALL TERM

CAPITAL PLANNING & DEVELOPMENT
UNIVERSITY LAND USE PLANNING
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- Attachment A – Parking Lot Overview
- Attachment B – Commuter Lot Utilization
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- Attachment D – Zonal Parking Overview
- Attachment E – OSU Campus Parking Utilization Survey Details

Additional Information/Contacts

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Executive Summary

The *Oregon State University Parking Utilization Study 2021-2022* is an analysis of the parking conditions on the university's Corvallis campus for the 2021-2022 academic year. The study is completed annually during fall term, when enrollment and parking utilization are typically at their highest levels of the year.

Oregon State prepares this Parking Utilization Study in conformance with the Corvallis Land Development Code (LDC) Section 3.36.90 – Campus Master Plan Monitoring. The LDC specifies that Oregon State will monitor parking usage rates at least once per year and provide the results to the City of Corvallis (CMP 7.2.10, LDC Section 3.36.90.a.2). In addition to this study, Oregon State's Transportation Services department regularly monitors parking lot usage to guide management of the university's parking facilities.

- Oregon State's parking utilization rate for OSU General Use spaces for fall term 2021 was 63 percent. This utilization rate does not include Residence Hall spaces.
- The combined utilization rate for OSU General Use and Residence Hall space types in fall term 2021 was 66 percent.
- Utilization of individual Commuter Zone and Residence Hall parking lots varied from 0 to 100 percent.
- Parking utilization rates during fall term 2021 were substantially higher than those recorded during fall term 2020, when the university delivered more than 90 percent of its courses remotely and made a majority of employee positions remote in response to the COVID-19 pandemic. Utilization rates during fall term 2021, however, remain lower than pre-pandemic utilization rates. This may be due in part to expanded remote work options for employees.
- Oregon State had a campus-wide capacity of 5,911 OSU General Use spaces in Commuter Zone lots and 1,317 Residence Hall spaces in Residence Hall lots, for a total of 7,228 spaces providing parking to commuters and campus residents.
- Between fall term 2020 and fall term 2021 three parking lots were added to the parking system and one was permanently removed from the parking system. The Western Complex Lot (3370) added 132 spaces, the N. 16th St. West Lot (3223) added 155 spaces, and the N. 16th St East Lot (3224) added 36 spaces to the parking inventory. The Navy ROTC Armory East Lot (3265) was decommissioned, permanently removing 12 spaces from the parking inventory.
- Over the past five years, Oregon State's combined total General Use and Residence Hall space capacity has increased by 2 percent, 152 spaces.
- Student enrollment at Oregon State's Corvallis campus decreased by 361 students or approximately 1.5 percent from fall term 2020 to fall term 2021.
- Over the same time period, the total population (students and employees) at OSU's Corvallis campus saw a decrease of 1.3 percent.
- Twenty-six percent of the campus population purchased parking permits through the 2021-2022 utilization survey period.

Parking Utilization Study

Impacts of the COVID-19 pandemic on the 2021-2022 Parking Utilization Study

Oregon State University greatly altered its programs and operations at its Corvallis campus in response to the COVID-19 pandemic, which was reflected in the 2020-2021 OSU Parking Utilization Study. By the fall of 2021, however, Oregon State University's Corvallis campus operations began to return to pre-pandemic levels. Most of the Corvallis campus courses returned to in-person, on-campus instruction, and many employees returned to working full time on campus. Some in-person events on-campus also resumed. As of fall 2021, however, campus operations still differed from pre-pandemic operations, as some employees continue to work remotely in part or completely.

Methodology

Methodology for the 2020-2021 Survey

The 2021-2022 Parking Utilization Study uses the same methodology as studies conducted annually since the 2017-2018 academic year.

Since Oregon State began conducting parking utilization studies in 2007, the survey methodology has been refined on three occasions. Most recently, Oregon State made minor refinements to the parking utilization survey methodology for the 2017-2018 study year to help improve the efficiency and accuracy of data collection, to better align reported space types with parking management categories, and to make the utilization report simpler and more accessible to all audiences.

Timeframe

Utilization counts occurred on Tuesday, October 12; Wednesday, October 20; Tuesday, October 26; and Wednesday, November 3. Surveys were conducted between the hours of 9 a.m. and 3 p.m., alternating weekly between Tuesday, a typical lab day, and Wednesday, a typical lecture day. This survey period is inclusive of the period of peak campus enrollment. Survey results from each of the four survey days are averaged to calculate the parking capacity and percent utilization reported for the Corvallis campus and individual lots.

Parking Space Types

Parking spaces on OSU's campus can be divided into two general groups based on their purposes: General Use and University Support (*Table 1: OSU Parking Space Categories*). General Use spaces provide short-term and all-day parking for students, employees, and visitors, and typically require a permit or daily/hourly fee. These parking spaces are available to people commuting to campus to visit, work, or attend classes, as well as to residents living on campus. General Use parking space types include: Commuter, Residence Hall, ADA, Carpool, Reserved, and Short Term/Metered.

University Support space types are not open to the public for commuter or resident parking. They provide short-term loading areas, service vehicle parking, or overnight parking for Oregon State vehicles,

and program vehicles. Spaces that are temporarily unavailable due to construction are also included among University Support spaces. University Support space types include: Car Share, Construction, Dedicated, Leased, Loading Area, and Service.

Residence Hall spaces are included in the General Use category, but function differently than other General Use spaces. Residence Hall spaces provide overnight parking for university residents and are an important part of OSU's parking management strategy.

Prior to the 2017-2018 study year, Residence Hall spaces were classified as University Support spaces, and prior to 2014 Residence Hall spaces did not exist. Residents parked in any Student lot, which served both student commuters and student residents. To facilitate year to year comparisons, the campus-wide utilization rate is calculated both with and without Residence Hall spaces.

Parking Lot Types

Within OSU's main campus, the space types listed above are located in four types of parking lots:

Commuter Zone, Residence Hall, Nonpublic, and Non-OSU (*Attachment A – Parking Lot Overview*).

Commuter Zone lots provide permitted commuter, short-term, metered, or free parking.

Residence Hall lots provide permitted Residence Hall parking exclusively to campus residents (*Table 2: Lots with Residence Hall Parking*). Some parking lots provide both General Use and Residence Hall parking zones in one lot.

Nonpublic lots restrict or limit access to a specific university group; examples include Magruder Hall West Lot (3362), Oceanography Shops Complex Lot (3287), and the Western Shop Lot (3369). Nonpublic lots also include small lots and loading areas that provide only nonpublic parking for service vehicles or vehicle loading areas. Commuter parking is not allowed within Nonpublic lots.

Table 1: OSU Parking Space Categories

General Use	University Support
Commuter	Car Share
Residence Hall	Construction
ADA	Dedicated
Carpool	Leased
Reserved	Loading Area
Short Term/Metered	Service

Table 2: Lots with Residence Hall Parking

Number	Description	Sector	Residence Hall Spaces *
3322	ORCHARD CT LOT	B	88
3333	NATIONAL FORAGE SEED CENTER EAST LOT	B	168
3341	RICHARDSON HALL SOUTH LOT	B	28
3223	N 16TH ST WEST OT	C	146
3224	N 16TH ST EAST LOT	C	36
3317	ORCHARD AVE NORTH LOT	C	33
3205	ADAMS AVE NORTHEAST LOT	D	77
3209	WASHINGTON AVE SOUTHEAST LOT	D	102
3217	ADAMS AVE	D	5
3218	S 13TH ST	D	26
3227	WASHINGTON AVE AND 11TH ST SOUTHEAST LOT	D	90
0205_PFL3	PARKING GARAGE (3RD FLOOR)	G	6
0205_PFL4	PARKING GARAGE (4TH FLOOR)	G	221
0205_PFL5	PARKING GARAGE (5TH FLOOR)	G	177
3280	MAY WAY LOT	G	114
Total			1,317

*Residence Hall lots primarily consist of Residence Hall parking spaces, but lots can include other space types. Additionally several lots are split, providing both Commuter and Residence Hall spaces. The total shown in this table includes only Residence Hall parking spaces.

Non-OSU lots are parking areas located within the Corvallis campus boundary that are exclusively utilized by an entity other than OSU, typically through a lease agreement or private ownership. Non-OSU lots include parking areas for the EPA, Hilton Garden Inn, and the Forest Science Lab Lot.

Utilization Calculation and Space Types included in Annual Report

The Oregon State Parking Utilization calculation only includes General Use spaces located in Commuter Zone or Residence Hall lots because these are the only spaces available to commuters and campus residents. University Support space types and Non-OSU, Nonpublic, and temporarily closed lots are excluded from the parking utilization calculation because they are not available to commuters and residents.

Parking Facilities

Oregon State's parking facilities provide permit-only parking as well as metered and short-term parking facilities throughout campus (*Table 3: Lots with Metered and Short-Term Spaces*). Free parking spaces are limited to one surface parking lot: South 17th Street and A Avenue Lot (3289) in Sector G. The provision of free parking in this lot was a city-required condition of the approval of the vacation of city right-of-way on 17th Street.

The City of Corvallis manages on-street parking facilities on city-owned streets located within and adjacent to Oregon State's Corvallis campus boundary. These facilities include both metered and free parking. Metered spaces are located on the east side of 15th Street south of Jefferson Avenue. Free, on-street parking is provided along Orchard Avenue between 27th and 30th Streets in Sector C; on 11th Street, Jefferson Avenue, and Madison Avenue in Sector D; and on 16th, 17th, and A streets in Sector G. These City-owned facilities are not managed by Oregon State and are not included in the utilization study.

New Parking Facilities

Three new parking facilities were added to OSU's parking system since the completion of the last parking utilization study (*Table 4: New*

Table 3: Lots with Metered and Short-Term Spaces*

Number	Description	Sector	Spaces
3334	MOTOR POOL WEST LOT	B	3
3341	RICHARDSON HALL SOUTH LOT	B	1
3901	CAMPUS WAY AND 35TH ST LOT	B	1
3902	FOREST SCIENCE LAB LOT	B	1
3234	PARK TERRACE ST WEST LOT	C	1
3242	COMMUNITY HALL SOUTH LOT	C	1
3250	FURMAN HALL WEST LOT	C	3
3252	MEMORIAL PLACE - CENTRAL CAMPUS	C	1
3260	N 26TH ST	C	3
3261	COLEMAN FIELD EAST LOT	C	1
3262	KERR ADMINISTRATION SOUTH LOT	C	2
3263	KERR ADMINISTRATION WEST LOT	C	9
3268	S BENTON PL	C	2
3269	DIXON RECREATION CENTER EAST LOT	C	2
3295	S 30TH ST METER	C	1
3300	S 26TH ST	C	41
3302	W JEFFERSON WAY	C	26
3303	SACKETT HALL NORTH LOT	C	1
3310	WOMENS BUILDING WEST LOT	C	1
3316	ORCHARD AVE SOUTH LOT	C	1
3206	M McNARY HALL NORTH METER LOT	D	1
3213	MADISON AVE CO-OP LOT	D	1
3364	OAK CREEK BUILDING NORTH LOT	E	2
3277	LASELLS STEWART CENTER WEST LOT	F	27
3283	RALPH MILLER LN	F	1
3271	CASCADE HALL SOUTH LOT	G	2
0205_PFL3	PARKING GARAGE	G	110
Total			246

*Metered and Short-Term spaces include 30-Minute loading spaces. Table includes only General Use lots.

Commuter Zone & Residence Hall Parking Lots). The Western Complex Lot (3370) was formerly known as the Foundation Center North Lot (3370) and was a Non-OSU lot leased to the OSU Foundation, along with the adjacent OSU Foundation Building. The Foundation Building and parking lot were renovated and converted to the Western Building and Western Complex Lot that now serve university uses. The Western Complex Lot adds 125 General Use spaces and 7 University Support spaces to the OSU parking inventory. Similarly, the N. 16th St. West Lot (3223) and the N. 16th St East Lot (3224) were leased to a Non-OSU entity, but they were returned to Oregon State management for fall term 2021. N. 16th St. West Lot (3223) adds 155 General Use spaces and 2 University Support spaces and the N. 16th St East Lot (3224) adds 36 General Use spaces to the OSU parking inventory.

Table 4: New Commuter Zone & Residence Hall Parking Lots

<i>Number</i>	<i>Description</i>	<i>Sector</i>	<i>General Use & University Support Spaces</i>
3223	N 16TH ST WEST LOT	C	155
3224	N 16TH ST EAST LOT	C	36
3370	WESTERN COMPLEX LOT	E	132
Total			323

Decommissioned Parking Facilities & Temporary Closures

The Navy ROTC Armory East Lot (3265) was permanently removed from the parking inventory during the period between the 2020-2021 and 2021-2022 Parking Utilization Studies. This lot was demolished as part of the realignment and reconstruction of Washington Way. There were 12 General Use and University Support Spaces in the lot.

Table 5: Decommissioned Parking Areas

<i>Number</i>	<i>Description</i>	<i>Sector</i>	<i>General Use & University Support Spaces</i>
3265	NAVY ROTC ARMORY EAST LOT	C	12
Total			12

Several lots were temporarily closed to parking during the study period due to ongoing construction. Lots can be closed temporarily for events, maintenance, or construction. Typically, temporary closures affect a limited portion of an existing lot rather than closing an entire lot. During the 2021-2022 survey period, the Cordley Hall West Lot (3315), Bates Hall North Lot (3313), Community Hall East Lot (3241), and Fairbanks Hall West Lot (3301) were completely closed due to construction. The Jefferson Way and 14th Street Lot (3210) was partially closed with 13 spaces closed due to pavement upheaval from tree roots. The Orchard Ave. South Lot (3316) was partially closed for construction of the new North District Utility Plant.

Campus Population

Campus Population and the COVID-19 Pandemic

Prior to the COVID-19 pandemic, OSU’s fall term Corvallis campus enrollment and employment numbers provided a reasonable proxy for the number of people on campus during a typical day. In response to the pandemic, however, the university implemented remote instruction and remote work policies that significantly diminished the connection between the campus employment and enrollment numbers and the number of people on campus daily. While OSU returned to in-person instruction in the fall of 2021, some employees continue to work entirely or partially remotely. Thus, while the fall term 2021 student enrollment and employment numbers provide some indication of the number of people on campus during a typical day, using the enrollment and employment numbers to determine the daily campus population likely over estimates the number of people actually on campus. A more precise metric to determine OSU’s daily campus population, however, does not exist at this time.

Student Enrollment

Oregon State's overall enrollment increased slightly from fall term 2020 to fall term 2021, but that increase was due to growth of OSU's Extended Campus (Ecampus) enrollment, which provides all courses online. Student enrollment at OSU's Corvallis campus decreased by 1.5 percent during the same period. Over the last five years, enrollment on OSU's Corvallis campus has declined slightly from a peak enrollment of 24,809 students in 2017-2018 academic year to an enrollment of 23,111 students in the 2021-2022 academic year. Refer to *Table 6: Student Enrollment Trends* for enrollment trends over the past five years. Students enrolled exclusively in OSU's Extended Campus (Ecampus) courses are not included in the adjusted Corvallis Campus Enrollment, since these students do not take courses on OSU's Corvallis campus.

Oregon State University Employment

At the time of the 2021-2022 Parking Utilization Study, Oregon State had a total of 5,138 employees reporting to the Corvallis campus (*Table 7: Employment Trends*). This number does not include graduate assistants and student employees, who are included in the student enrollment data noted in this report. The employee total for 2021-2022 also does not include Oregon State employees that report to university facilities located somewhere other than the Corvallis campus.

Employment data used in parking utilization reports prior to the 2020-2021 academic year did not disaggregate employees by location. The employment numbers and the campus population numbers that informed previous reports included all Oregon State employees and were slightly higher than the actual number of employees with positions that report to the Corvallis campus.

Total Campus Population

The total campus population is calculated using both student enrollment counts and employee population numbers. As was discussed

Table 6: Student Enrollment Trends

Academic Year	Fall Term			Percent Change Corvallis Campus Enrollment**
	Fall Term Enrollment	Extended Campus Enrollment*	Corvallis Campus Enrollment**	
2017 - 2018	30,896	6,087	24,809	0.6%
2018 - 2019	30,986	6,565	24,421	-1.6%
2019 - 2020	31,719	7,467	24,252	-0.7%
2020 - 2021	32,312	8,840	23,472	-3.2%
2021 - 2022	33,193	10,082	23,111	-1.5%

* Extended Campus Enrollment represents all students enrolled exclusively in Ecampus-offered courses; these students are not enrolled in any OSU Corvallis on-campus courses.

** Corvallis Campus Enrollment is total enrollment minus Extended Campus enrollment.

***Percent change is the change in Corvallis campus enrollment when compared with the previous year's main campus enrollment.

Source: OSU Office of Institutional Research, Enrollment/Demographic Reports, Enrollment Summary -- Fall Term 2021.

<https://institutionalresearch.oregonstate.edu/sites/institutionalresearch.oregonstate.edu/files/2022-02/enroll-fall-2021-v4.pdf> Retrieved: 11/16/2021.

Table 7: Employment Trends

Academic Year	Employees	Temp	Total*	Percent Change**
2017 - 2018	6,190	155	6,345	0.0%
2018 - 2019	6,291	136	6,427	1.3%
2019 - 2020	6,239	102	6,341	-1.3%
2020-2021	5,067	95	5,162	-18.6%
2021-2022	5,067	71	5,138	-0.5%

* Graduate Assistants and Student employees are not included in the total employee headcount because they are captured in the enrollment headcount.

** Percent Change is the change in the total number of employees when compared with the previous year's total employee population for the same term. Fall term 2016 to 2019 employment data included employees at locations other than the Corvallis Campus (Cascades Campus, Extension, Etc.). After Fall Term 2020, employment data include only employees with jobs that report to the Corvallis Campus. If Fall 2020 employment data included all OSU locations, the total employee headcount would be 6,400 and the Percent Change from Fall Term 2019 to Fall Term 2020 would be 0.9%.

Source for academic years 2020-2021 and 2021-2022: The October 2020 and 2021 Employment Reports had not been published at the time this parking utilization report was written. Data was obtained from the OSU Office of Institutional Research staff and included employment data for October 2020 and 2021.

Source academic years 2016-2017 to 2019-2020: OSU Office of Institutional Research, Faculty & Staff Reports, Employment Reports, October 2015 - October 2019. <https://institutionalresearch.oregonstate.edu/sites/institutionalresearch.oregonstate.edu/files/employment-jul-2019.pdf> Retrieved: 4/23/2020.

previously in this report, student enrollment and employee population numbers likely overestimate the actual number of people on campus during a typical day because some portion of OSU employees continue to work partially or completely remotely following the resumption of on-campus activities following the COVID-19 pandemic.

For the 2021-2022 academic year, the total Corvallis campus population was 28,249. As *Table 8: Campus Population* illustrates, the total Corvallis campus population has remained between 28,249 and 31,154 during the last five years. As was discussed earlier in the report, employment numbers for the 2017-2018 to 2019-2020 academic years includes employees at all Oregon State facilities not just the Corvallis campus. Employment data from the 2020-2021 academic year forward includes only employees that report to the Corvallis campus. For that reason, care should be taken with year to year comparisons that include employment numbers prior to 2020-2021.

Parking Permit System

Overview

The 2021-2022 academic year is the eighth year Oregon State has managed a zonal parking system on campus. The purpose of the zonal parking system is to better utilize existing campus parking facilities, to help reduce campus-related parking impacts in surrounding neighborhoods, and to reduce vehicle congestion and emissions by making it easier for commuters to quickly and reliably find available parking.

The zonal parking system divides the on-campus Commuter Zone and Residence Hall parking lots into seven Commuter zones (A1, A2, A3, B1, B2, B3, C) and one Residence Hall zone (R) (*Attachment D – Zonal Parking Overview*)¹. Parking permits are priced by zone with pricing tied to demand. A Zone permits are the highest priced for lots in the highest demand, and C Zone permits are the lowest priced for lots with the least demand.

Oregon State University Transportation Services (Transportation Services) sells annual, term, monthly, daily, and hourly permits for all Commuter zones and term permits for Residence Hall zones. For short-term visits, individuals can purchase daily or hourly passes online, from a pay station, or directly from the Transportation Services Office. Other permits are sold for carpools, motorcycles, and service vehicles. Those with an ADA placard may park in any ADA space on campus with a valid permit for any

Table 8: Campus Population

Academic Year	Fall Term - October			
	Corvallis Campus Enrollment*	Employment	Total Population	Percent Change**
2017 - 2018	24,809	6,345	31,154	0.8%
2018 - 2019	24,421	6,427	30,848	-1.0%
2019 - 2020	24,252	6,341	30,593	-0.8%
2020 - 2021	23,472	5,162	28,634	-6.4%
2021 - 2022	23,111	5,138	28,249	-1.3%

* Corvallis Campus Enrollment is the total student enrollment minus Extended Campus only enrollment.

** Percent Change is the change in total population when compared with the previous year's total population for the same term.

Source: OSU Office of Institutional Research, Enrollment/Demographic Reports, Enrollment Summary -- Fall Term 2021.

<https://institutionalresearch.oregonstate.edu/sites/institutionalresearch.oregonstate.edu/files/2022-02/enroll-fall-2021-v4.pdf> Retrieved: 11/16/2021.

Employment data for 2020-2021 and 2021-2022 was obtained directly from OSU Office of Institutional Research staff. Source for prior years: OSU Office of Institutional Research, Faculty & Staff Reports, Employment Reports, October 2015 - July 2019.

<https://institutionalresearch.oregonstate.edu/faculty-and-staff-reports>

¹ Orchard Court residents are provided with a permit specific to the Orchard Court Lot (3322) issued by University Housing and Dining Services.

zone. On a limited basis, campus departments also can purchase reserved or private spaces on an annual basis.

Permit Sales

Revenue from the sale of parking permits funds OSU’s Transportation Services operations, parking facility maintenance, Beaver Bus shuttle services, and transportation options programs that are aimed at reducing the number of drive-alone trips associated with OSU.

Beginning in spring term 2020, the COVID-19 pandemic greatly reduced the number of students and employees commuting to campus, which greatly reduced the demand for parking and parking permits. By fall term 2021, however, the number of permits sold and the percent of the campus population with a permit returned to levels similar to those seen during years prior to the pandemic. As of the survey period between October 1 and November 1, 2020, 7,483 permits were sold, and

approximately 26 percent of the campus population had purchased parking permits (*Table 9: Permit Sales – Fall Term; Figure 1: OSU Population with Parking Permits – Fall 2017 to Fall 2021*).

Table 9: Permit Sales - Fall Term

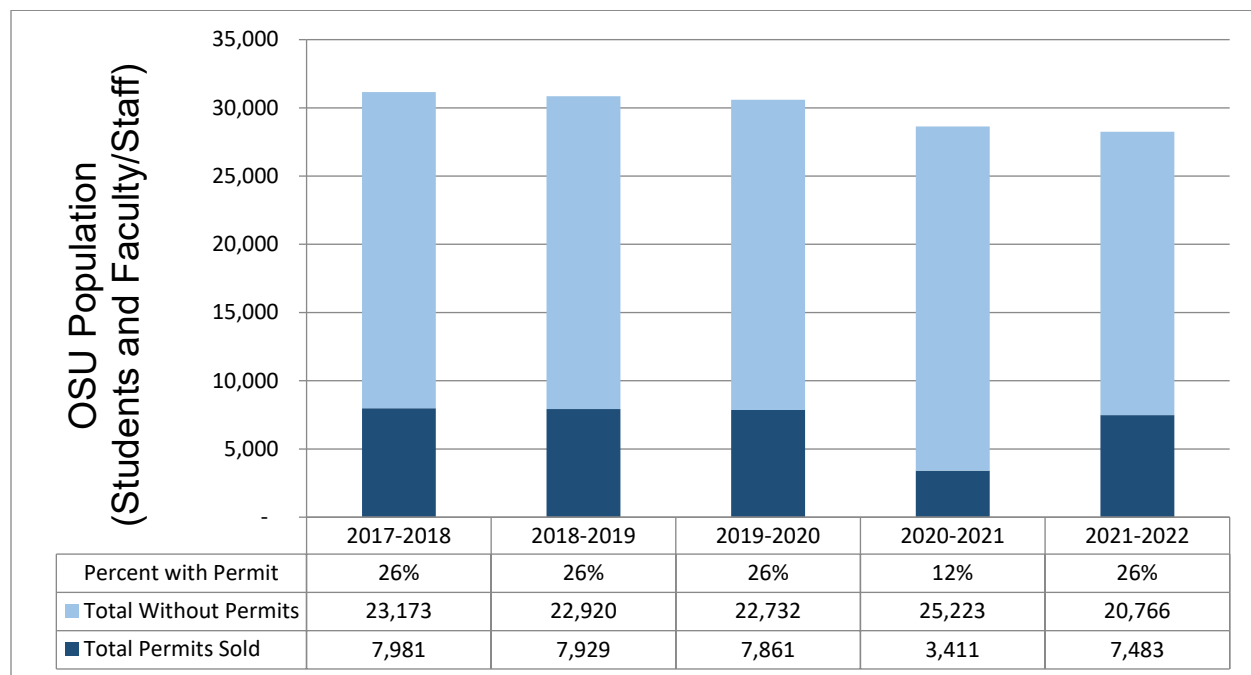
Academic Year	Total Permits Sold*	Total Campus Population	Percent with Permit	Percent Change**
2017 - 2018	7,981	31,154	26%	4%
2018 - 2019***	7,929	30,848	26%	-1%
2019 - 2020	7,861	30,593	26%	-1%
2020 - 2021	3,411	28,634	12%	-57%
2021-2022	7,483	28,249	26%	119%

*Total Permits Sold is the average of active annual and term permits sold as of October 1 and November 1 plus the average of active monthly permits sold for each of the four days of lot counts.

**Percent Change is the change in total permits sold compared to the previous year's total permit sales.

***The 2018-2019 Parking Utilization Study miscalculated the Total Permits Sold for Fall Term 2018 permit sales. The corrected 2018-2019 Total Permits Sold is included in this table.

Figure 1: OSU Population with Parking Permits – Fall 2017 to Fall 2021



Parking Capacity

Parking Capacity

Parking capacity is a measure of the number of parking spaces available to commuters, visitors, and residents at the time of the Parking Utilization Survey. Year-to-year changes in capacity are influenced by the physical addition or removal of parking lots and spaces, as well as by changes in the management of individual spaces and lots. Parking capacity is not simply a measure of the number of physical spaces on campus, as there are several space types and lot types that are not available to commuter parking.

OSU's parking capacity increased slightly between the 2020-2021 academic year and the 2021-2022 academic year from 7,034 to 7,228 General Use and Residence Hall spaces (*Table 10: OSU Parking Capacity*). The Western Complex Lot (3370) was reconstructed and converted to a Commuter Zone lot adding 132 parking spaces to the university's parking system. The N. 16th St. West Lot (3223) and the N. 16th St East Lot (3224), were returned to Oregon State management and converted from Non-OSU lots to Residence Hall lots. The N. 16th St. West Lot (3223) adds 155 spaces to the inventory and the N. 16th St East Lot (3224) adds 36 spaces to the OSU parking inventory. The Navy ROTC Armory East Lot (3265) was decommissioned, permanently removing 12 spaces from the parking inventory.

Several lots were temporarily closed or partially closed due to construction activity nearby, which temporarily reduces capacity. The Cordley Hall West Lot (3315), Bates Hall North Lot (3313), Community Hall East Lot (3241), Fairbanks Hall West Lot (3301), Jefferson Way and 14th Street Lot (3210), and Orchard Ave. South Lot (3316) were completely or partially closed to accommodate construction projects (*Attachment A – Parking Lot Overview*).

Table 10: OSU Parking Capacity

Academic Year	Commuter*	Carpool	Reserved**	Short Term/ Metered	ADA	Total General Use Spaces	Residence Hall	Total General Use & Residence Hall Spaces
2017 - 2018	5,063	10	185	353	348	5,959	1,118	7,077
2018 - 2019	5,119	10	186	341	349	6,004	1,119	7,123
2019 - 2020	5,030	10	184	280	350	5,854	1,221	7,075
2020 - 2021	4,972	11	172	320	337	5,811	1,223	7,034
2021 - 2022	5,154	10	176	248	323	5,911	1,317	7,228

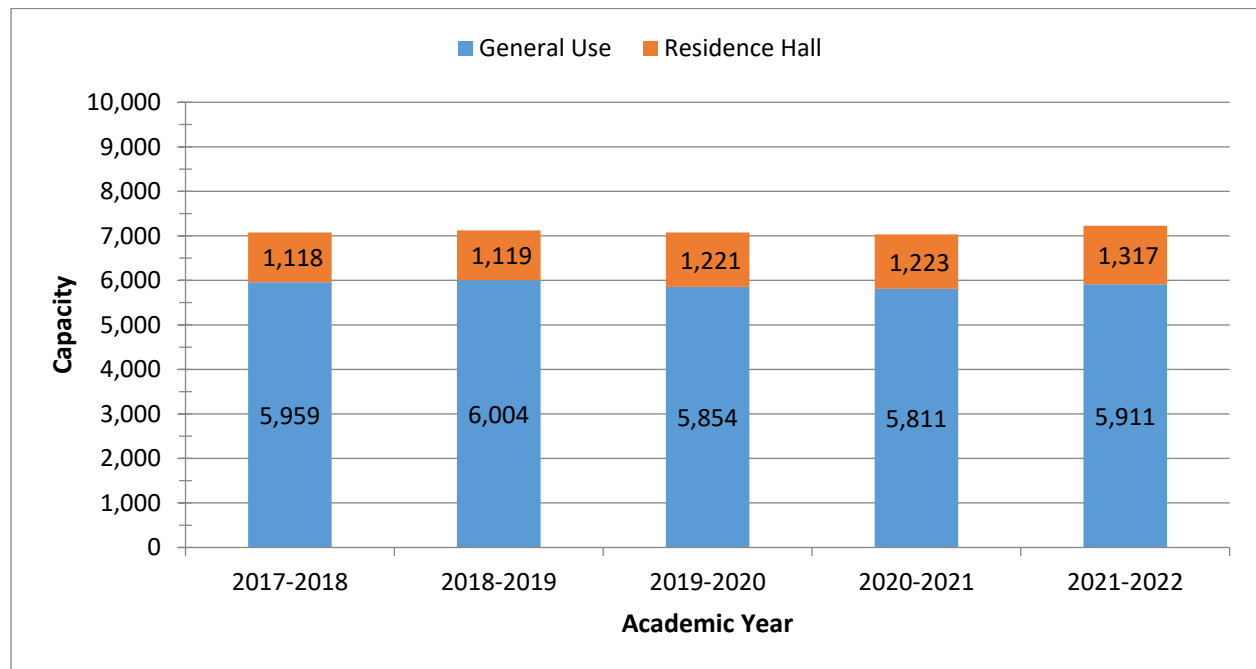
Note: All numbers are rounded to the nearest whole number.

*The Commuter space type includes Commuter and Free spaces. For academic years prior to 2017-2018, the Commuter space type includes Commuter, Free, and Visitor spaces.

**Reserved spaces include spaces reserved for Electric Vehicles.

Over the last five years, total OSU General Use and Residence Hall parking capacity has increased slightly by about 2 percent. There were 7,077 General Use and Residence Hall spaces in the 2017-2018 academic year, which increased to 7,228 spaces in the 2021-2022 academic year. The reopening of lots closed for construction and the construction of several new parking facilities contributed to the five-year increase in parking capacity. *Figure 2: OSU General Use & Residence Hall Parking Capacity – Fall 2017 to Fall 2021* illustrates this overall trend in total parking capacity over the past five years. Annually reported General Use capacities are shown in blue, Residence Hall capacities are shown in orange.

Figure 2: OSU General Use & Residence Hall Parking Capacity – Fall 2017 to Fall 2021



Parking Utilization

Campus Utilization

The campus-wide parking utilization rate is calculated as the ratio of occupied spaces to the total number of OSU General Use spaces in Commuter Zone parking lots. The 2021-2022 parking utilization rate was 63 percent (*Table 11: OSU Parking Utilization*). This is a significant increase from the 21 percent utilization rate of the previous year, which was heavily impacted by the COVID-19 pandemic, but it is not as high as utilization rates from years prior to the pandemic, which ranged from 73 percent to 76 percent utilization in the three years prior to the pandemic. OSU’s Residence Hall parking utilization rate also rose from 53 percent in 202--2021 to 80 percent in 2021-2022 (*Table 11: OSU Parking Utilization, Table 12: Residence Hall Parking Utilization*). The Residence Hall parking utilization rate more closely matches its pre-pandemic levels, which ranged from 81 percent to 84 percent between the 2017-2018 academic year and the 2019-2020 academic year. Accordingly, the combined utilization rate of General Use and Residence Hall parking increased from 27 percent to 66 percent.

Table 11: OSU Parking Utilization

Sector	2017 - 2018			2018 - 2019		
	Total Spaces	Occupied Spaces	Percent Utilization	Total Spaces	Occupied Spaces	Percent Utilization
A	222.0	113.5	51%	220	128	58%
B	726.0	554.3	76%	747	576	77%
C	1,474.8	1,057.3	72%	1,484	1,068	72%
D	885.0	678.0	77%	883	663	75%
E	159.0	109.3	69%	159	116	73%
F	1,254.0	1,046.5	83%	1,273	1,129	89%
G	940.0	614.8	65%	940	483	51%
H	298.0	175.5	59%	298	84	28%
Total OSU General Use	5,958.8	4,349.0	73%	6,004.0	4,246.8	71%
Residence Hall Spaces	1,118.0	902.0	81%	1,119.0	920.0	82%
Total OSU General Use & Residence Hall	7,076.8	5,251.0	74%	7,123.0	5,166.8	73%

Sector	2019 - 2020			2020 - 2021			2021 - 2022		
	Total Spaces	Occupied Spaces	Percent Utilization	Total Spaces	Occupied Spaces	Percent Utilization	Total Spaces	Occupied Spaces	Percent Utilization
A	222	140	63%	222	29	13%	191	60	31%
B	750	616	82%	805	211	26%	895	642	72%
C	1,427	1,085	76%	1,336	341	26%	1,264	857	68%
D	782	622	79%	780	114	15%	772	488	63%
E	159	101	63%	155	55	35%	275	160	58%
F	1,274	1,127	88%	1,273	373	29%	1,274	971	76%
G	942	574	61%	943	109	12%	943	515	55%
H	298	99	33%	298	14	5%	298	35	12%
Total OSU General Use	5,854	4,363	75%	5,811	1,245	21%	5,911	3,727	63%
Residence Hall Spaces	1,221	1,027	84%	1,223	642	53%	1,317	1,058	80%
Total OSU General Use & Residence Hall	7,075	5,390	76%	7,034	1,887	27%	7,228	4,785	66%

The utilization rates of individual lots and campus sectors have fluctuated annually to some degree in response to annual modifications to the management of the zonal parking system. Changes to the zonal parking system can shift parking demand in some lots and locations, but generally, with the exception of the 2020-2021 study year, utilization trends have remained consistent since the implementation of the zonal parking system. As *Attachment B – Parking Lot Utilization* and *Attachment C – Residence Hall Parking Lot Utilization* illustrate, the utilization of Commuter Zone and Residence Hall parking facilities varies from zero percent to 100 percent. Parking utilization was generally higher in lots located relatively close to the campus core and in larger capacity lots with frequent shuttle service to the core of campus like those surrounding Reser Stadium.

Table 12: Residence Hall Parking Utilization

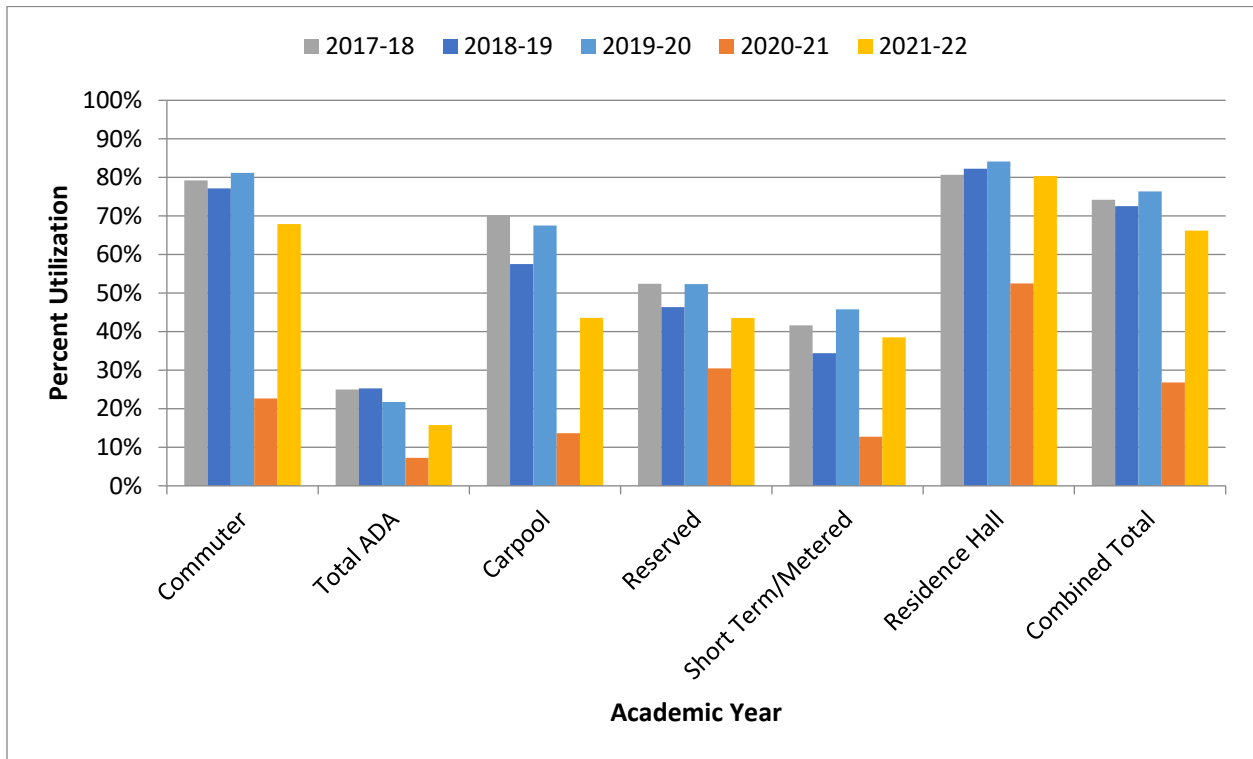
<i>Lot Number</i>	<i>Lot Description</i>	<i>Sector</i>	<i>Total Resident Spaces*</i>	<i>Occupied Resident Spaces*</i>	<i>Utilization</i>
3322	ORCHARD CT LOT	B	88	53	61%
3333	NATIONAL FORAGE SEED CENTER EAST LOT	B	168	157	94%
3341	RICHARDSON HALL SOUTH LOT	B	28	21	73%
3223	N 16TH ST WEST OT	C	146	88	60%
3224	N 16TH ST EAST LOT	C	36	1	2%
3317	ORCHARD AVE NORTH LOT	C	33	32	98%
3205	ADAMS AVE NORTHEAST LOT	D	77	77	100%
3209	WASHINGTON AVE SOUTHEAST LOT	D	102	102	100%
3217	ADAMS AVE	D	5	5	100%
3218	S 13TH ST	D	26	26	100%
3227	WASHINGTON AVE AND 11TH ST SOUTHEAST LOT	D	90	88	98%
3280	MAY WAY LOT	G	114	114	100%
0205_PFL3	PARKING GARAGE - 3RD FLOOR	G	6	6	100%
0205_PFL4	PARKING GARAGE - 4TH FLOOR	G	221	216	98%
0205_PFL5	PARKING GARAGE - 5TH FLOOR	G	177	73	41%
Totals are rounded to the nearest whole number.		Total	1,317	1,058	80%

Parking Utilization by Type

In the five years prior to the 2020-2021 academic year and the beginning of the COVID-19 pandemic, Commuter and Resident Hall space types typically had fairly consistent utilization rates from year to year, while Carpool, Short Term/Metered, and Reserved space utilization rates were more varied. While utilization rates have returned to levels closer to their pre-pandemic levels, some space types continued to experience utilization rates that were slightly lower than their pre-pandemic levels. Commuter, Carpool, and ADA space types had noticeably lower utilization rates than they did prior to the pandemic, while Reserved, Short Term/Metered, and Residence Hall spaces had utilization rates similar to years prior to the pandemic.

Because most of the parking on campus is Commuter parking, it is understandable that the percent utilization for the Commuter space type follows a similar trend as the percent utilization for the combined total of all space types. Greater annual swings in the percent utilization of ADA, Carpool, Reserved, and Short Term/Metered spaces are expected given the relatively small number of these spaces. Accessible spaces (ADA spaces) tend to have a lower utilization rate overall than other space types because they are managed to ensure that users who need accessibility accommodations can find a parking space in close proximity to their destination throughout the day. Alternatively, Residence Hall spaces tend to have a higher utilization rate and a greater tolerance for a high utilization rate because Residence Hall permits are sold on a one-to-one basis of permits to number of Residence Hall spaces.

Figure 3: Percent Utilization of Parking by Space Type – Fall 2017 to Fall 2021



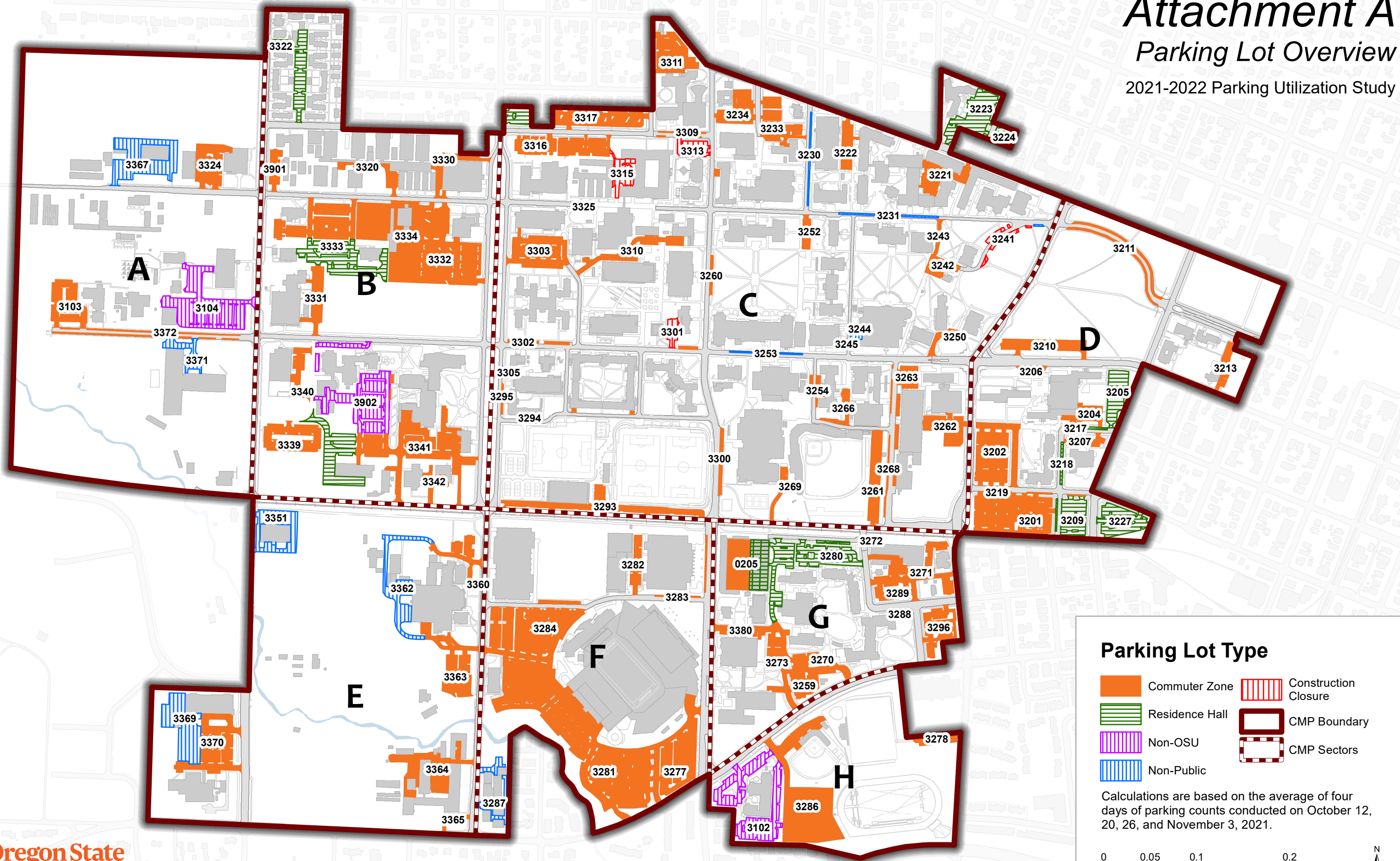
Future Management of Parking Demand

Oregon State will continue to manage its parking system efficiently while simultaneously working to encourage the use of transportation modes other than the single-occupancy vehicle. These efforts will be pursued concurrently and in partnership with city and regional transportation management efforts. Coordinated efforts will help reduce congestion and demand on parking and transportation facilities on and around campus. These efforts also support OSU’s goals to reduce greenhouse gas emissions and to use limited state funding efficiently.








Attachment A

Parking Lot Overview

2021-2022 Parking Utilization Study



Parking Lot Type

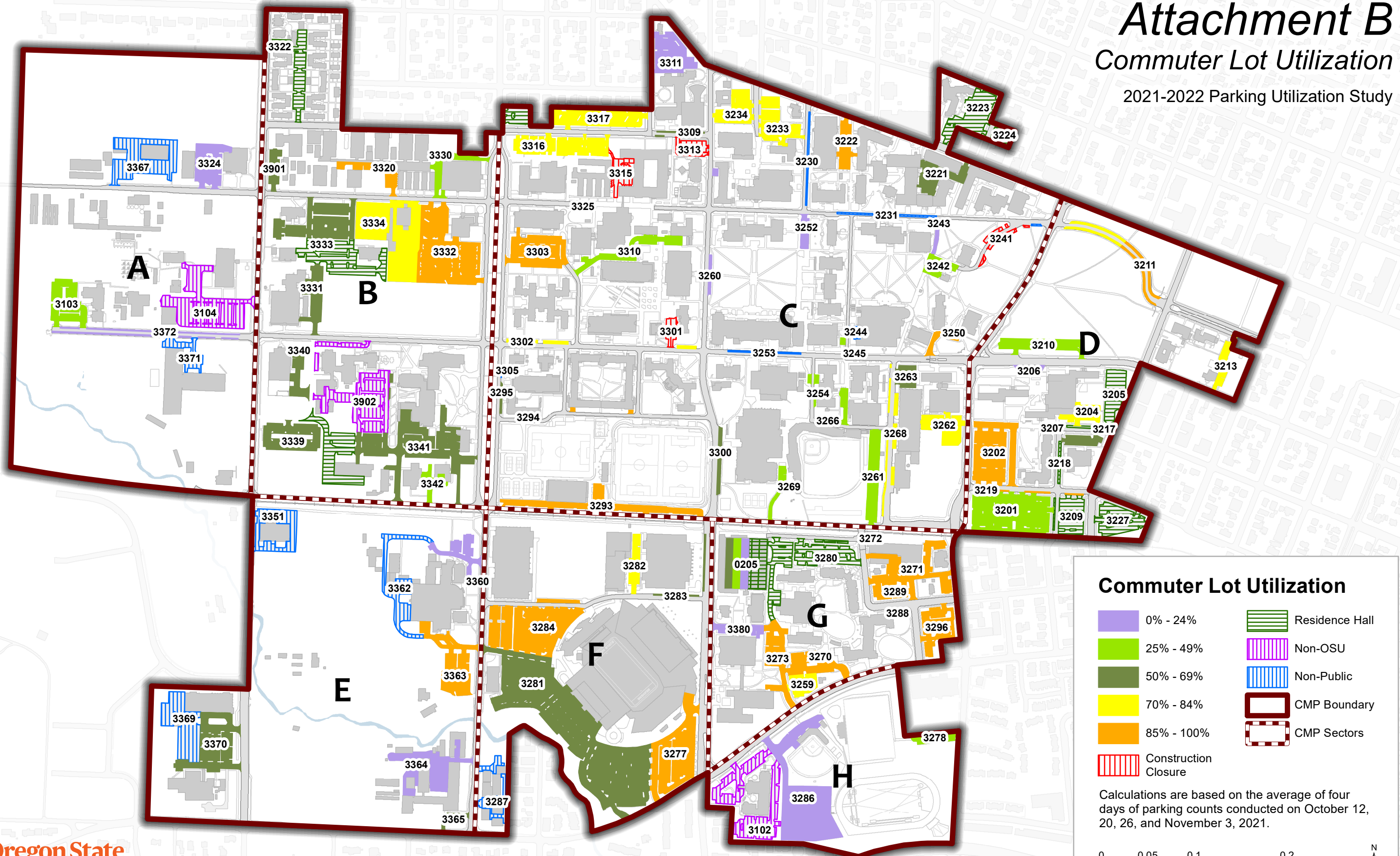
	Commuter Zone		Construction Closure
	Residence Hall		CMP Boundary
	Non-OSU		CMP Sectors
	Non-Public		

Calculations are based on the average of four days of parking counts conducted on October 12, 20, 26, and November 3, 2021.



Attachment B Commuter Lot Utilization

2021-2022 Parking Utilization Study



Commuter Lot Utilization

	0% - 24%		Residence Hall
	25% - 49%		Non-OSU
	50% - 69%		Non-Public
	70% - 84%		CMP Boundary
	85% - 100%		CMP Sectors
	Construction Closure		

Calculations are based on the average of four days of parking counts conducted on October 12, 20, 26, and November 3, 2021.

0 0.05 0.1 0.2 Miles

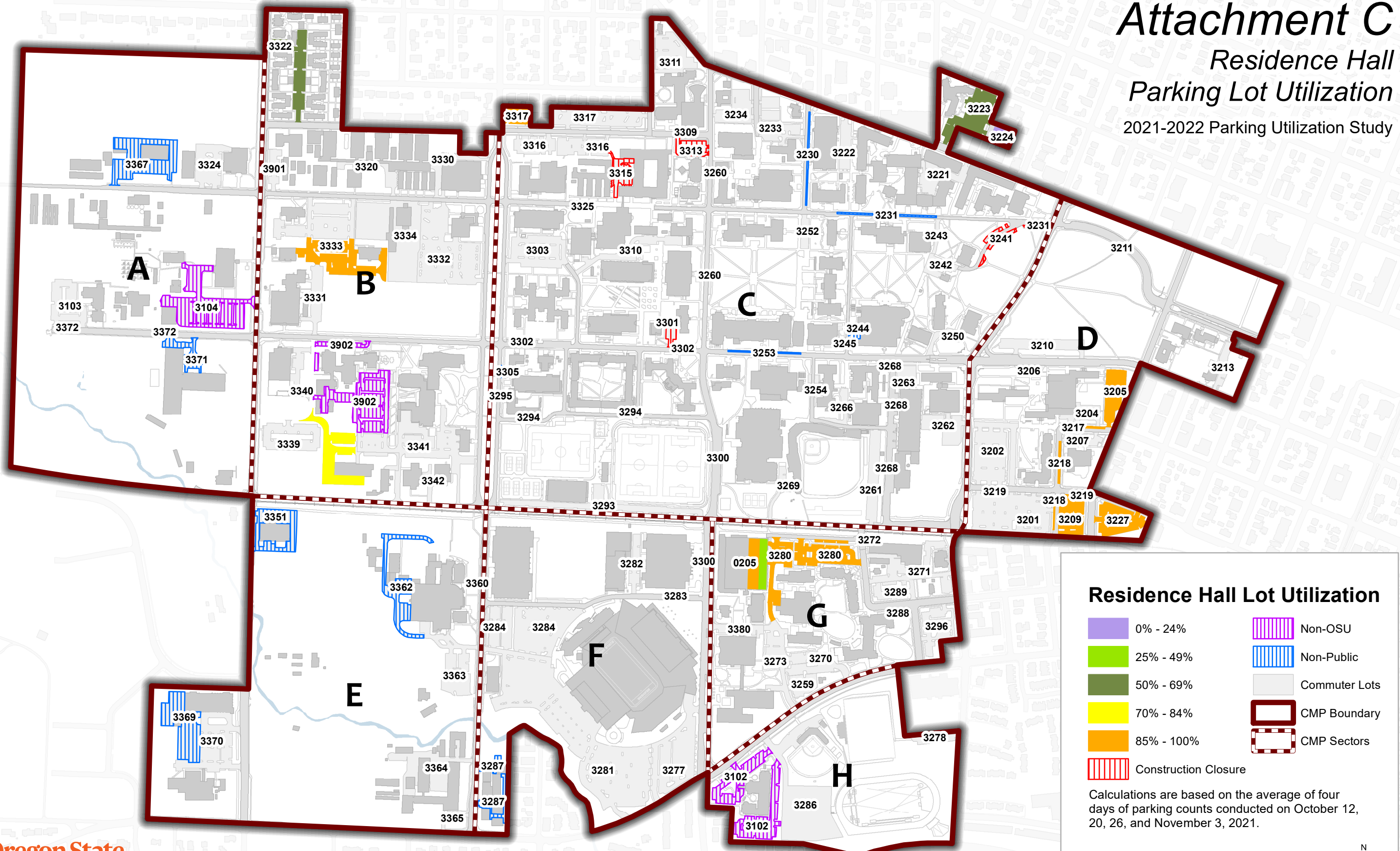
N



Attachment C

Residence Hall Parking Lot Utilization

2021-2022 Parking Utilization Study



Residence Hall Lot Utilization

0% - 24%	Non-OSU
25% - 49%	Non-Public
50% - 69%	Commuter Lots
70% - 84%	CMP Boundary
85% - 100%	CMP Sectors
Construction Closure	

Calculations are based on the average of four days of parking counts conducted on October 12, 20, 26, and November 3, 2021.

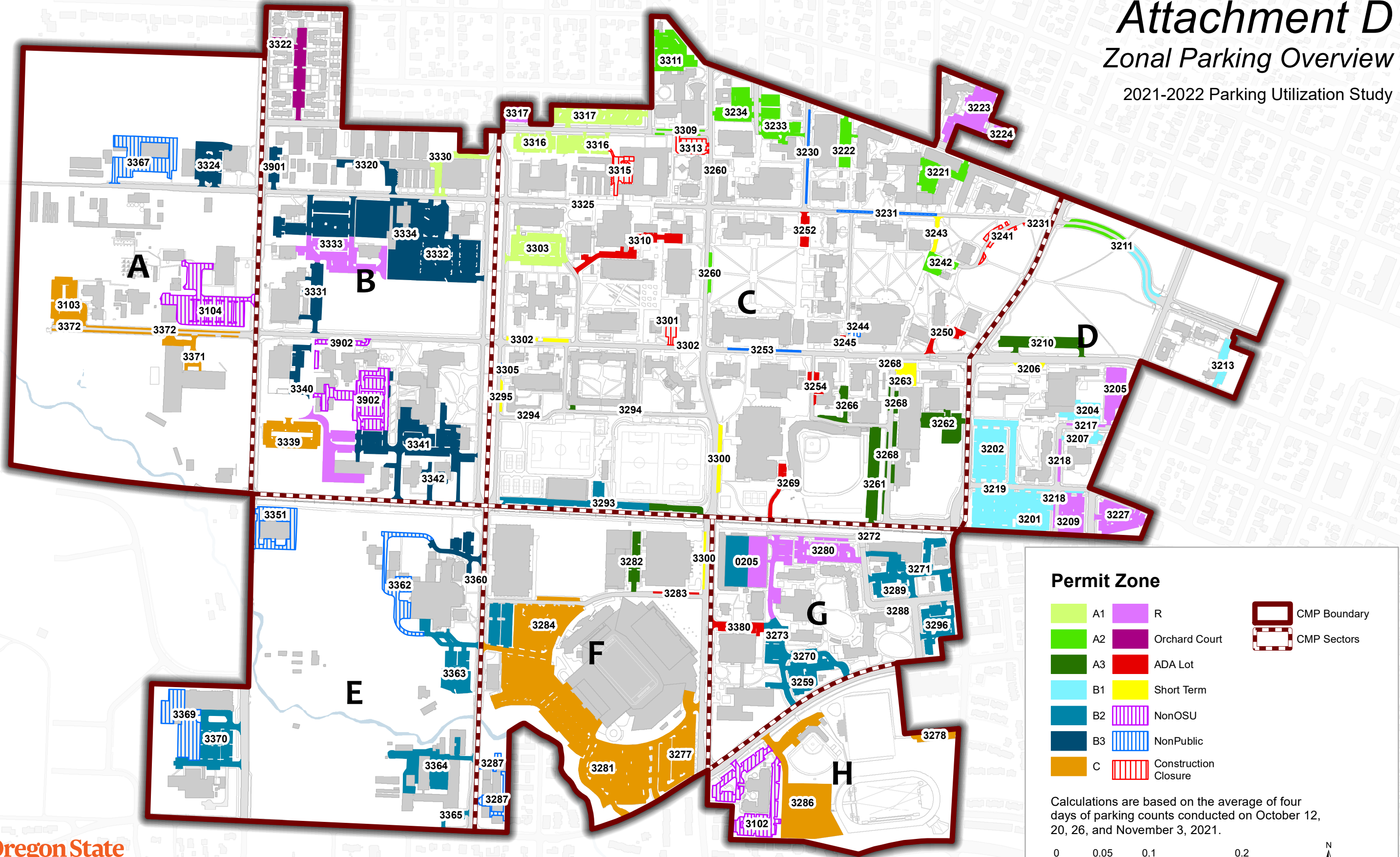
0 0.05 0.1 0.2 Miles

N



Attachment D Zonal Parking Overview

2021-2022 Parking Utilization Study



Permit Zone

	A1		R		CMP Boundary
	A2		Orchard Court		CMP Sectors
	A3		ADA Lot		
	B1		Short Term		
	B2		NonOSU		
	B3		NonPublic		
	C		Construction Closure		

Calculations are based on the average of four days of parking counts conducted on October 12, 20, 26, and November 3, 2021.

0 0.05 0.1 0.2 Miles

N



Attachment E - OSU Campus Parking Utilization Survey Details

Parking LotNumber	Zone	Description	Sector	Survey Date	Commuter			Residence			Carpool			Reserved			Short Term			ADA			Total General Use			Total General Use and Residence		
					Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization	Occupied Spaces	Total Spaces	Percent Utilization
0205_PFL3_B2	B2	PARKING GARAGE	G	10/12/2021	28	108	26%	0	0	n/a	0	0	n/a	6	8	75%	2	110	2%	0	0	n/a	36	226	16%	36	226	16%
0205_PFL3_B2	B2	PARKING GARAGE	G	10/20/2021	31	108	29%	0	0	n/a	0	0	n/a	4	8	50%	7	110	6%	0	0	n/a	42	226	19%	42	226	19%
0205_PFL3_B2	B2	PARKING GARAGE	G	10/26/2021	35	108	32%	0	0	n/a	0	0	n/a	3	8	38%	4	110	4%	0	0	n/a	42	226	19%	42	226	19%
0205_PFL3_B2	B2	PARKING GARAGE	G	11/3/2021	25	108	23%	0	0	n/a	0	0	n/a	4	8	50%	2	110	2%	0	0	n/a	31	226	14%	31	226	14%
0205_PFL3_R	R	PARKING GARAGE	G	10/12/2021	0	0	n/a	6	6	100%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	6	6	100%
0205_PFL3_R	R	PARKING GARAGE	G	10/20/2021	0	0	n/a	6	6	100%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	6	6	100%
0205_PFL3_R	R	PARKING GARAGE	G	10/26/2021	0	0	n/a	6	6	100%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	6	6	100%
0205_PFL3_R	R	PARKING GARAGE	G	11/3/2021	0	0	n/a	6	6	100%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	6	6	100%
0205_PFL4	R	PARKING GARAGE	G	10/12/2021	0	0	n/a	219	221	99%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	219	221	99%
0205_PFL4	R	PARKING GARAGE	G	10/20/2021	0	0	n/a	219	221	99%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	219	221	99%
0205_PFL4	R	PARKING GARAGE	G	10/26/2021	0	0	n/a	213	221	96%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	213	221	96%
0205_PFL4	R	PARKING GARAGE	G	11/3/2021	0	0	n/a	213	221	96%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	213	221	96%
0205_PFL5	R	PARKING GARAGE	G	10/12/2021	0	0	n/a	75	177	42%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	75	177	42%
0205_PFL5	R	PARKING GARAGE	G	10/20/2021	0	0	n/a	77	177	44%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	77	177	44%
0205_PFL5	R	PARKING GARAGE	G	10/26/2021	0	0	n/a	82	177	46%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	82	177	46%
0205_PFL5	R	PARKING GARAGE	G	11/3/2021	0	0	n/a	58	177	33%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	58	177	33%
3278	C	SPORTS COMPLEX EAST LOT	H	10/12/2021	21	47	45%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	21	47	45%	21	47	45%
3278	C	SPORTS COMPLEX EAST LOT	H	10/20/2021	24	47	51%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	24	47	51%	24	47	51%
3278	C	SPORTS COMPLEX EAST LOT	H	10/26/2021	18	47	38%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	18	47	38%	18	47	38%
3278	C	SPORTS COMPLEX EAST LOT	H	11/3/2021	23	47	49%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	23	47	49%	23	47	49%
3286	C	SPORTS COMPLEX WEST LOT	H	10/12/2021	6	243	2%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	8	0%	6	251	2%	6	251	2%
3286	C	SPORTS COMPLEX WEST LOT	H	10/20/2021	13	243	5%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	8	0%	13	251	5%	13	251	5%
3286	C	SPORTS COMPLEX WEST LOT	H	10/26/2021	7	243	3%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	8	0%	7	251	3%	7	251	3%
3286	C	SPORTS COMPLEX WEST LOT	H	11/3/2021	29	243	12%	0	0	n/a	0	0	n/a	0	0	n/a	0	0	n/a	0	8	0%	29	251	12%	29	251	12%