

Fall 2015 Sightlines Commuter Survey Results

General Information

This survey had a total of 16 questions. Responses were collected for this survey from 11/09/2015 - 11/19/2015 via Sightlines' online software. The survey was distributed via Inside Clemson, directed e-mails to permit holders, Facebook, and Twitter. The survey received 2,524 responses out of 27,767 Clemson students, faculty, and staff. This summary will describe results from the overall pool of survey respondents. Appendices include question responses broken down by overall responses, faculty responses, staff responses, and student responses. The margin of error for the survey is 2%.

Objectives

- 1) Determine the mode choice distribution of Clemson University.
- 2) Determine a carbon emissions inventory due to commuting for Clemson University.
- 3) Determine what commuting strategies would be effective in reducing carbon emissions at Clemson.
- 4) Identify the primary reasons students, faculty, and staff do not use alternative transportation modes.

Survey Responses

Demographic Questions

Questions 1 - 4

52% of survey respondents were students, 31% were staff and 17% were faculty. According to the Office of Internal Research, the total Clemson population is 82% students, 13% staff and 5% faculty. Of student respondents, 8% were first year, 23% were sophomores, 24% were juniors, 30% were seniors, and 15% were graduates. 97% of respondents are full-time, and 3% are part-time. 91% of respondents live in off campus housing vs. 9% of respondents living in on campus housing.

Commuting Mode Questions

Questions 5 - 8

No respondents indicated participation in the Clemson Carpool program. The survey asked what mode respondents used to travel to campus on average, on each day of the week. On average, 83% of respondents drove alone on weekdays. On weekends, 70% of respondents did not commute, and 23% drove alone. No other mode had more than 10% of mode share on any day of the week. It should be noted that, for staff, the drive alone mode share, is higher than average at 90%. Tables providing detailed breakdowns of mode choice are included in the Appendix A. On average, 8.4 one way trips were made per week to the university, and these trips averaged 11 miles. A full breakdown of number of one way trips is provided in the Appendix B.

Question 9

Respondents were asked to provide the main reason that they do not use alternative transportation. Respondents were provided eight options to choose from in a drop-down menu. The most common reason, with 50% of respondents, was the time/convenience option. Personal reasons (13%) and lack of infrastructure (12%) were the second and third most popular options, respectively. 7% of respondents indicated that they primarily use alternative transportation. Full responses are included in Appendix C.

Program Needs and Impacts

Question 10 - 12

51% of survey respondents identified that current transportation programs are not meeting their needs, while 49% of respondents identified that their needs are being met. Respondents were also asked how significant of an impact their commute has on the university's carbon footprint via a drop-down menu. 32.5% of respondents believe their impact was either very significant or significant, while 52.5% believe their impact is limited or insignificant. 15% of respondents selected not sure/don't know. Question 12 asked how important it is for the university to reduce its carbon footprint via a drop-down menu. 64% of respondents indicated that it was either very important or important to reduce the carbon footprint, while only 9.5% of respondents indicated it was unimportant or very unimportant. 26.5% of respondents were neutral. Full responses are included in Appendix D.

Program Effectiveness

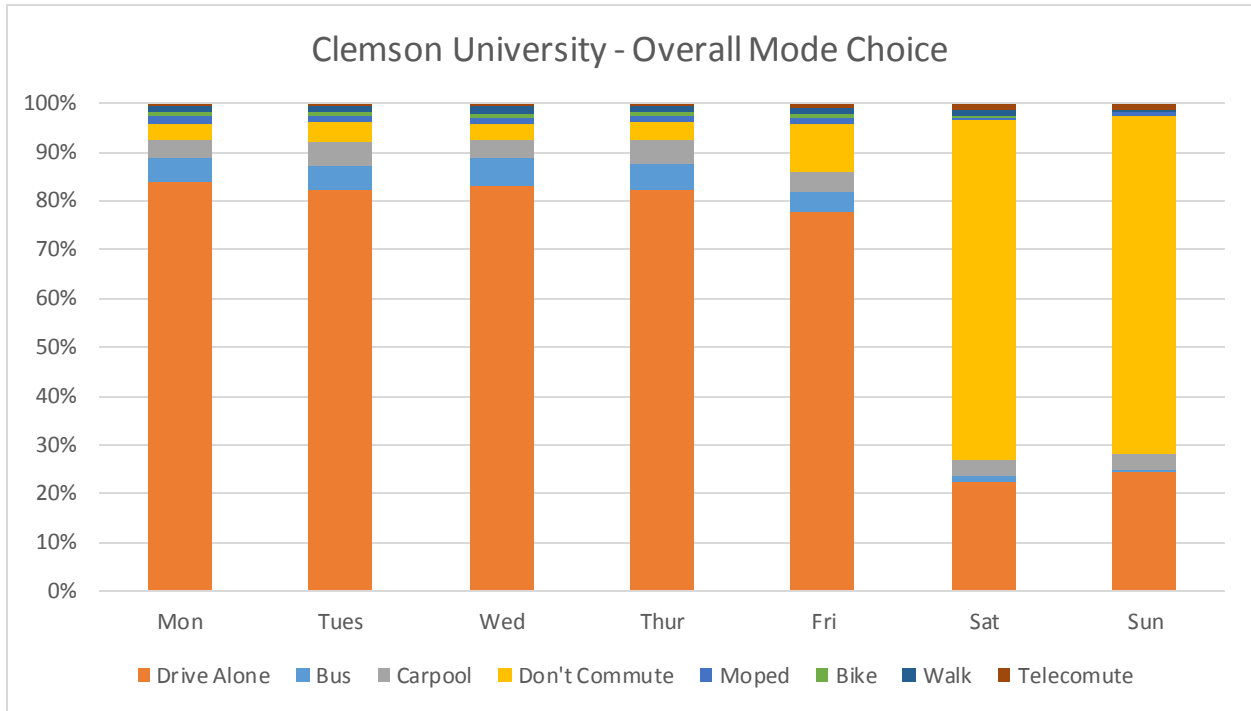
Question 13

The survey posed a variety of alternative transportation programs and strategies in a matrix for respondents to select how effective the programs would be or are currently. Respondents could select from very ineffective, ineffective, effective, and very effective. Increasing bus service had 71% of respondents indicate that it would be either very effective or effective, this was the highest percentage of very effective plus effective ratings. A shuttle loop to mass transit hubs had 61% of respondents indicate very effective or effective, which was the second highest percentage of very effective plus effective ratings. No other program had more than 60% of overall respondents rating it as very effective plus effective. A guaranteed ride home program, and a park and ride service had 59% of very effective plus effective ratings. Full responses and responses broken down by faculty, staff, and student are included in Appendix E.

Comments Summary

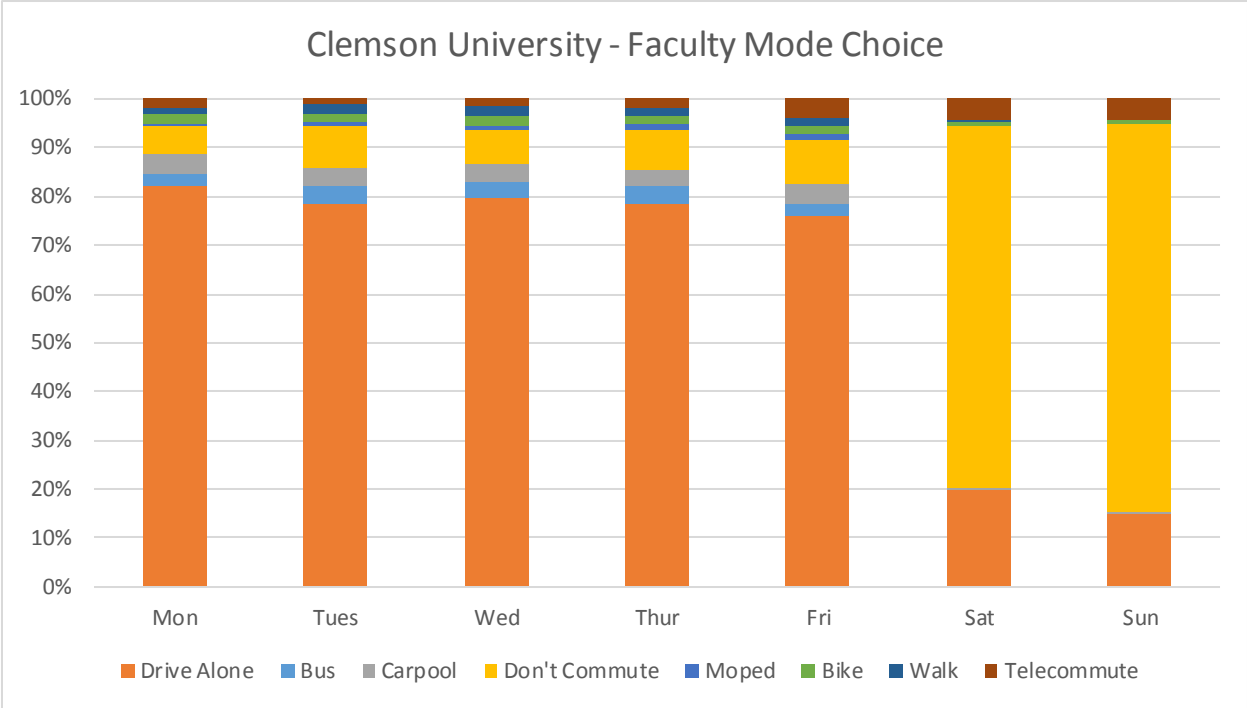
Respondents were given the opportunity to comment in three places in the survey. There were three overarching issues that faculty, staff and students commented on; the lack of parking (543 total comments), more bus service (both frequency and extended routes) (362 total comments) and more bike infrastructure (259 total comments). Faculty and staff also commented on the need for schedule flexibility as a reason why alternative transportation will not work for them (73 total comments) and their disdain for the LEV program (42 total comments). Comments were categorized by comment topic and these were the only topics that received double digit amounts of comments.

Appendix A – Mode Choice



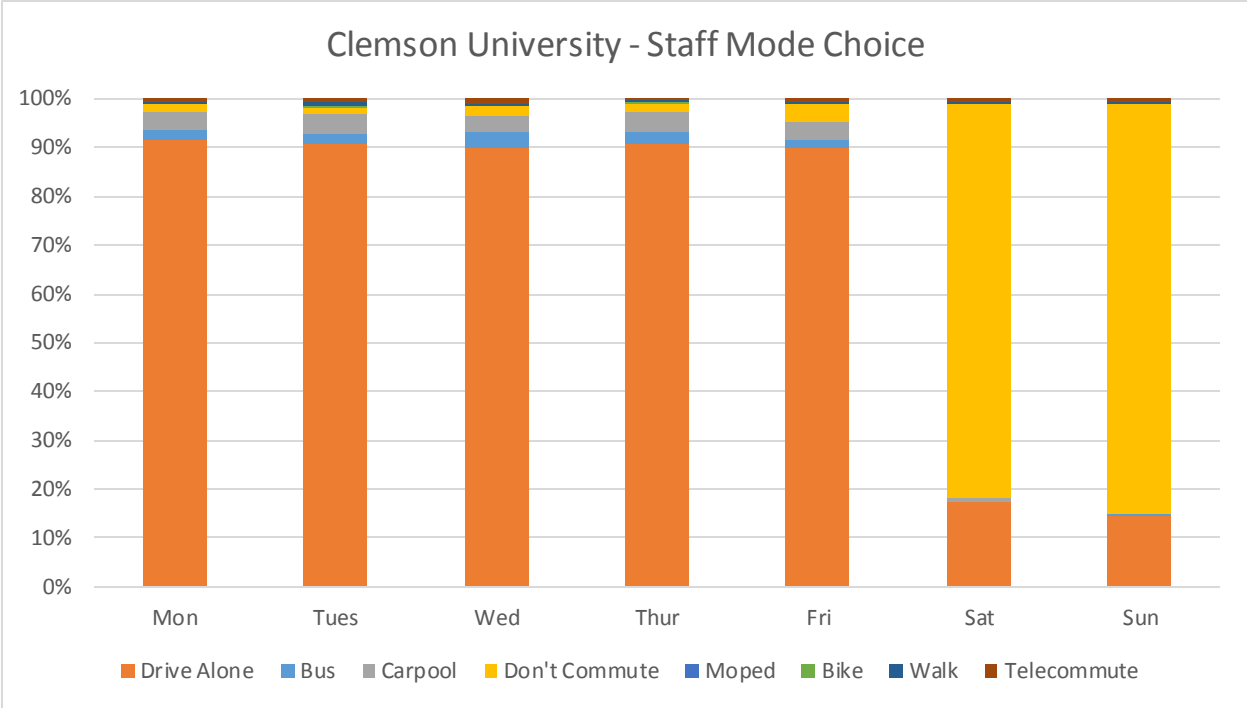
Overall Mode Choice

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Drive Alone	84%	82%	83%	82%	78%	22%	24%
Bus	5%	5%	6%	5%	4%	1%	0%
Carpool	4%	5%	4%	5%	4%	3%	3%
Don't Commute This Day	3%	4%	3%	4%	10%	70%	70%
Moped	1%	1%	1%	1%	1%	1%	1%
Bike	1%	1%	1%	1%	1%	0%	0%
Walk	1%	1%	1%	1%	1%	1%	0%
Telecommute	1%	0%	1%	1%	1%	1%	1%



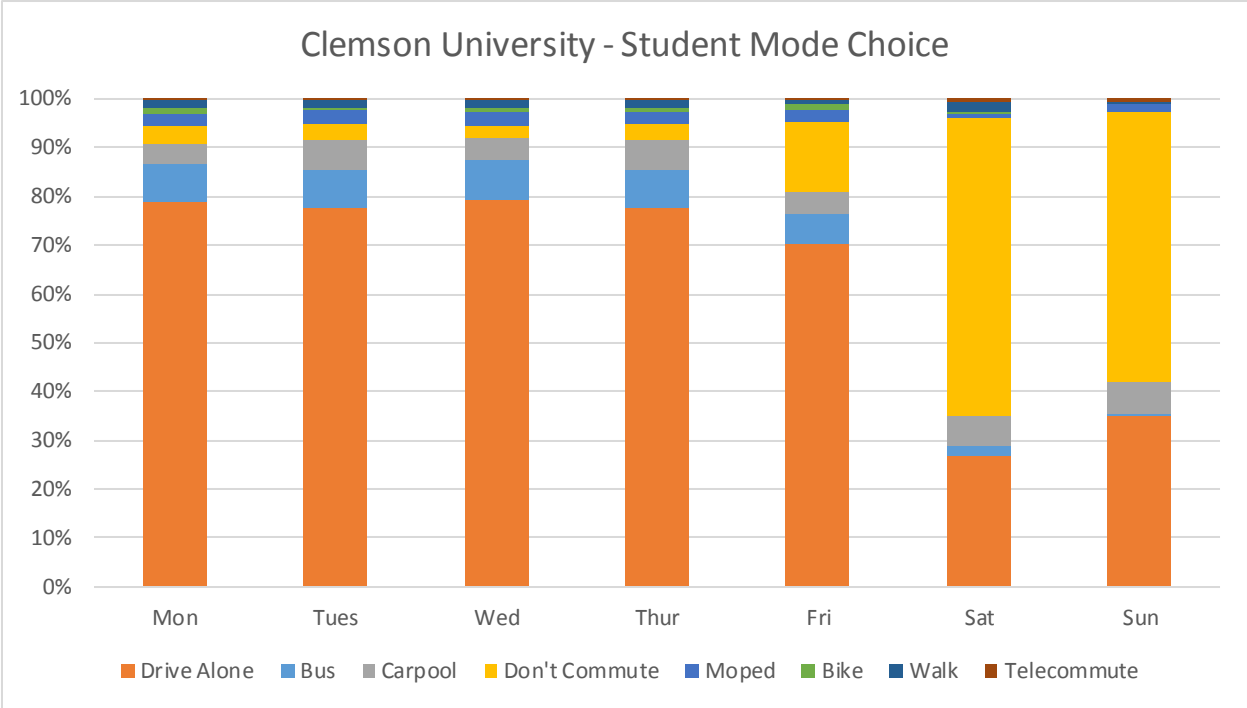
Faculty Mode Choice

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Drive Alone	82%	78%	80%	79%	76%	20%	15%
Bus	3%	4%	3%	3%	2%	0%	0%
Carpool	4%	4%	4%	4%	4%	0%	0%
Don't Commute This Day	6%	9%	7%	8%	9%	74%	80%
Moped	1%	1%	1%	1%	1%	0%	0%
Bike	2%	2%	2%	2%	2%	1%	0%
Walk	1%	2%	2%	2%	2%	0%	0%
Telecommute	2%	1%	1%	2%	4%	4%	5%



Staff Mode Choice

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Drive Alone	92%	91%	90%	91%	90%	17%	15%
Bus	2%	2%	3%	3%	2%	0%	0%
Carpool	4%	4%	3%	4%	3%	1%	0%
Don't Commute This Day	2%	1%	2%	2%	4%	81%	84%
Moped	0%	0%	0%	0%	0%	0%	0%
Bike	0%	0%	0%	0%	0%	0%	0%
Walk	1%	1%	1%	1%	0%	0%	0%
Telecommute	1%	1%	1%	0%	1%	1%	1%

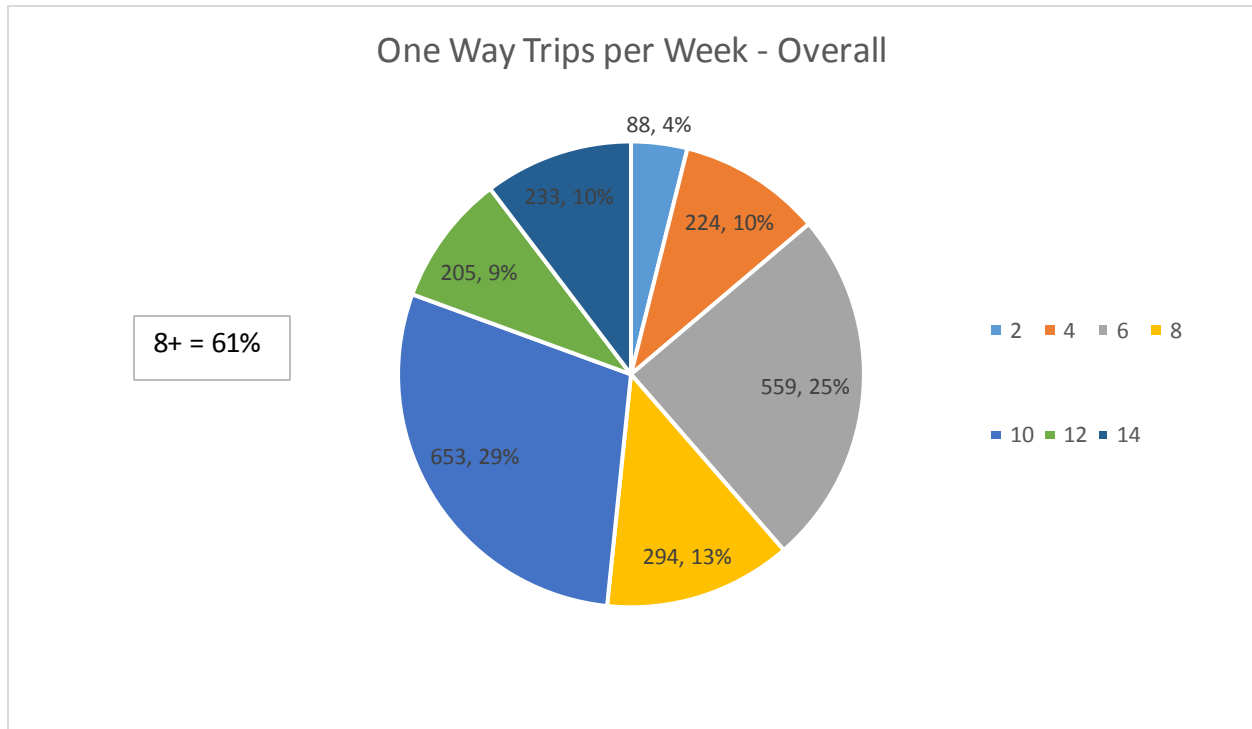


Student Mode Choice

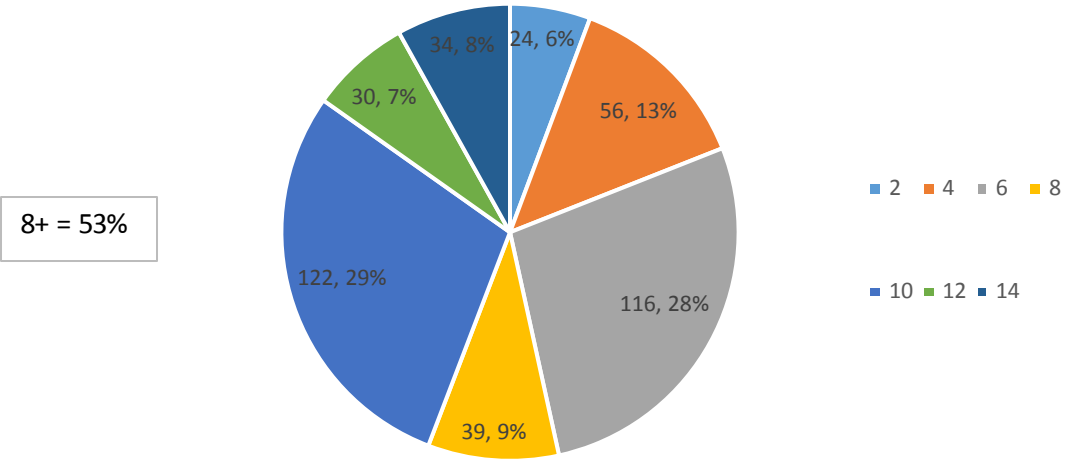
	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Drive Alone	79%	78%	79%	78%	70%	27%	35%
Bus	8%	8%	8%	8%	6%	2%	1%
Carpool	4%	6%	4%	6%	4%	6%	6%
Don't Commute This Day	4%	3%	3%	3%	14%	61%	55%
Moped	2%	3%	3%	2%	2%	1%	1%
Bike	1%	1%	1%	1%	1%	0%	0%
Walk	2%	2%	2%	2%	1%	2%	1%
Telecommute	0%	0%	0%	0%	0%	1%	1%

Appendix B – One Way Trips

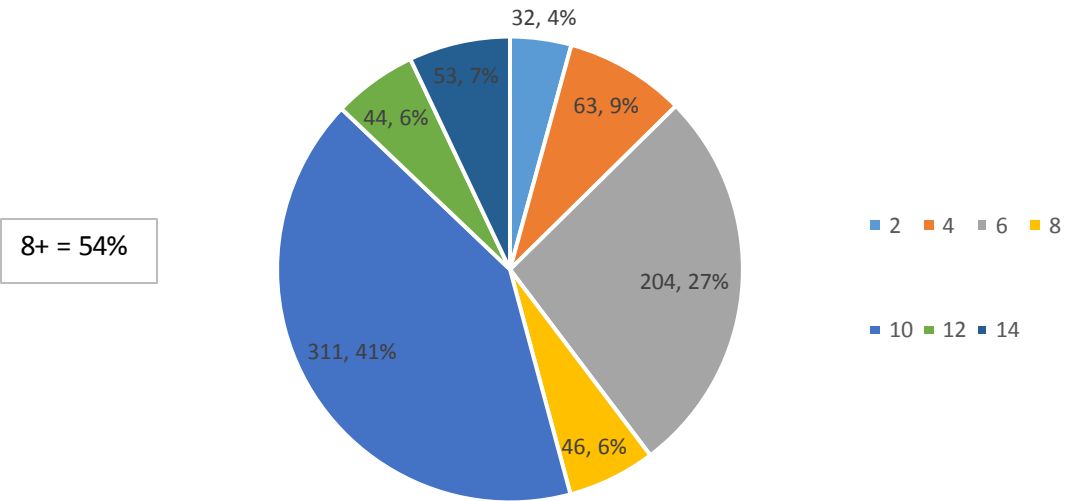
Type	Avg Miles Traveled	Avg # of one way trips/week
Total	11.23	8.44
Faculty	13.62	7.92
Staff	16.00	8.35
Student	7.00	8.69



One Way Trips per Week - Faculty

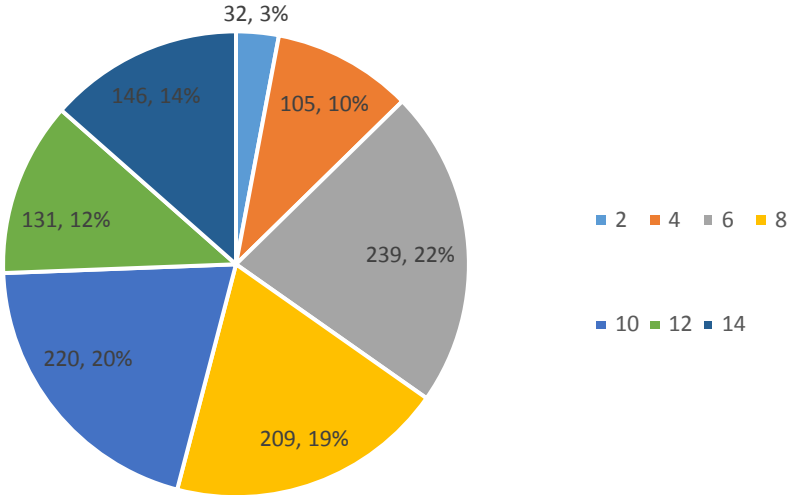


One Way Trips per Week - Staff



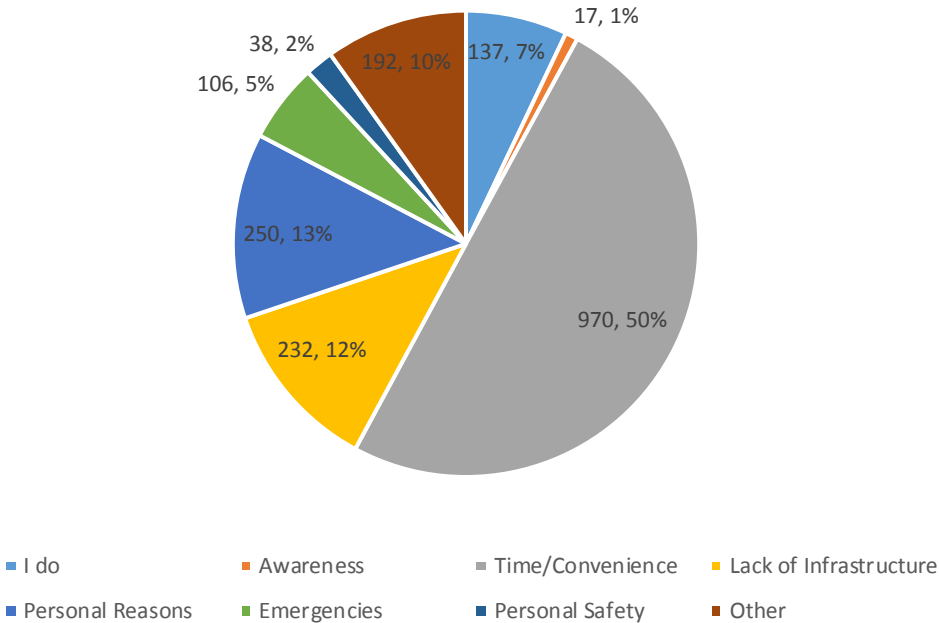
One Way Trips per Week - Students

8+ = 65%

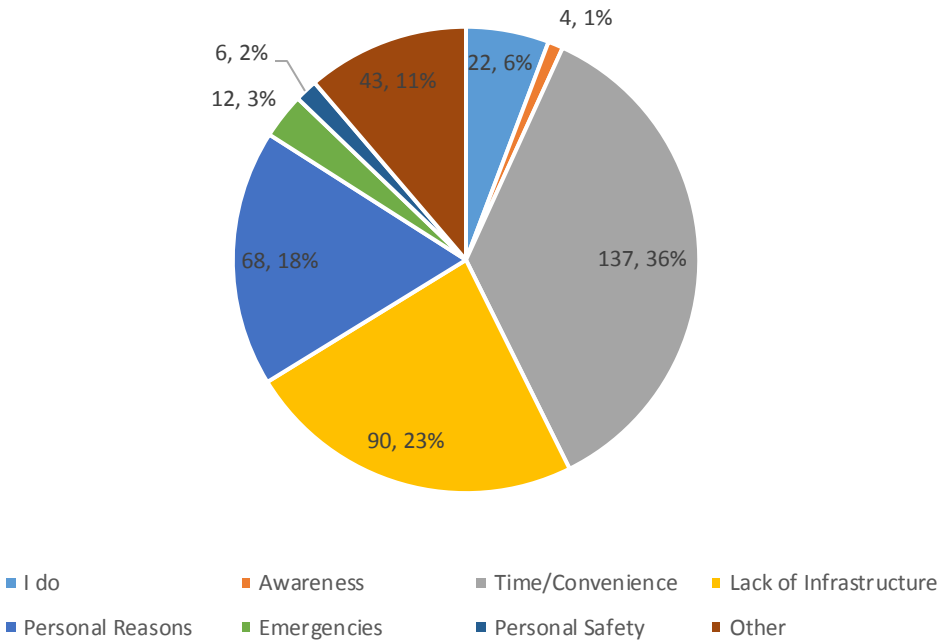


Appendix C – Why do you not use alternative transportation?

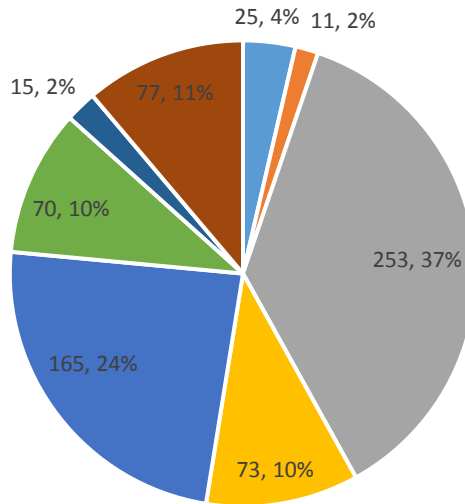
Why do you not use alternative transportation? - Overall



Why do you not use alternative transportation? - Faculty

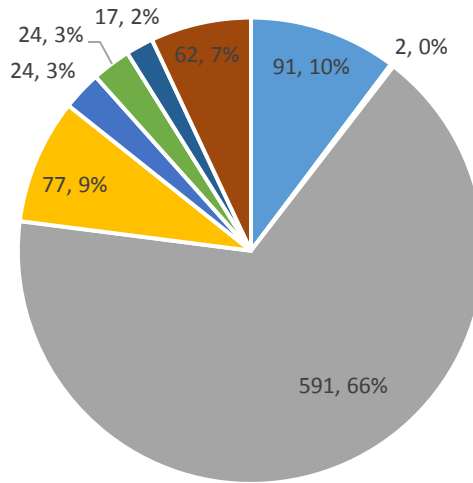


Why do you not use alternative transportation? - Staff



- I do
- Awareness
- Time/Convenience
- Lack of Infrastructure
- Personal Reasons
- Emergencies
- Personal Safety
- Other

Why do you not use alternative transportation? - Student

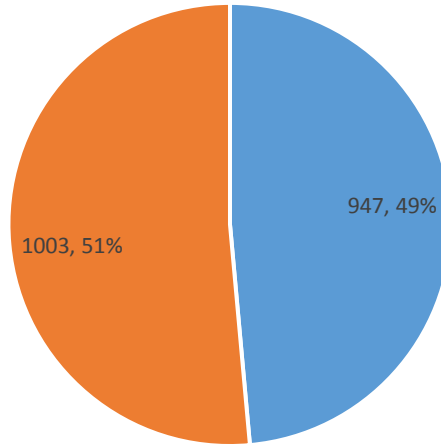


- I do
- Awareness
- Time/Convenience
- Lack of Infrastructure
- Personal Reasons
- Emergencies
- Personal Safety
- Other

Appendix D – Carbon Impact

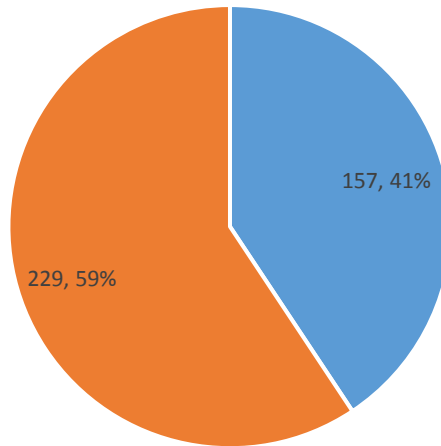
Are Clemson University's transportation programs meeting your needs?

Are your needs met? - Overall



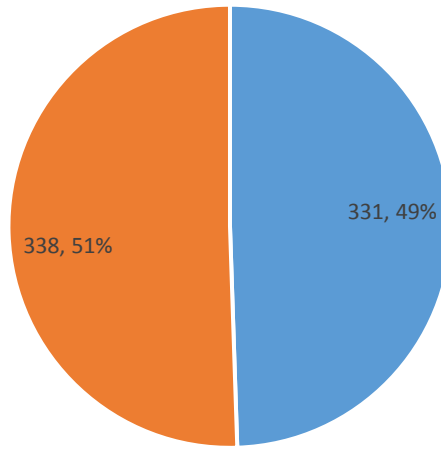
■ Yes ■ No

Are your needs met? - Faculty



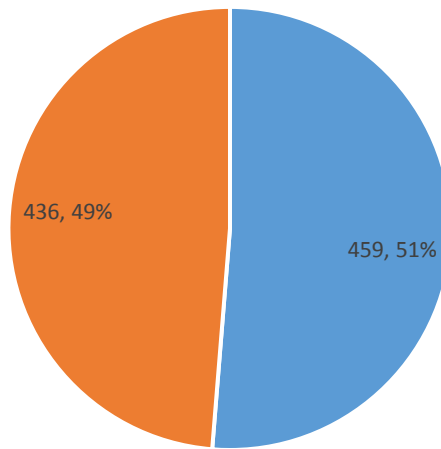
■ Yes ■ No

Are your needs met? - Staff



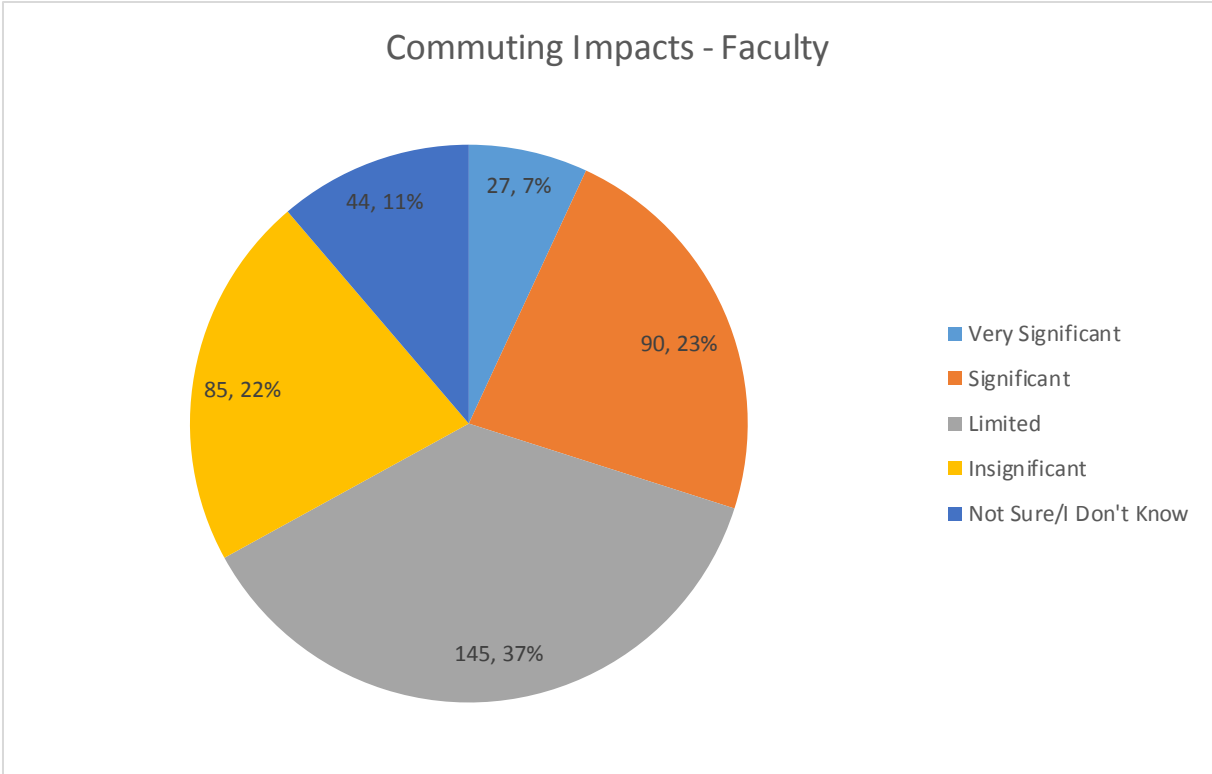
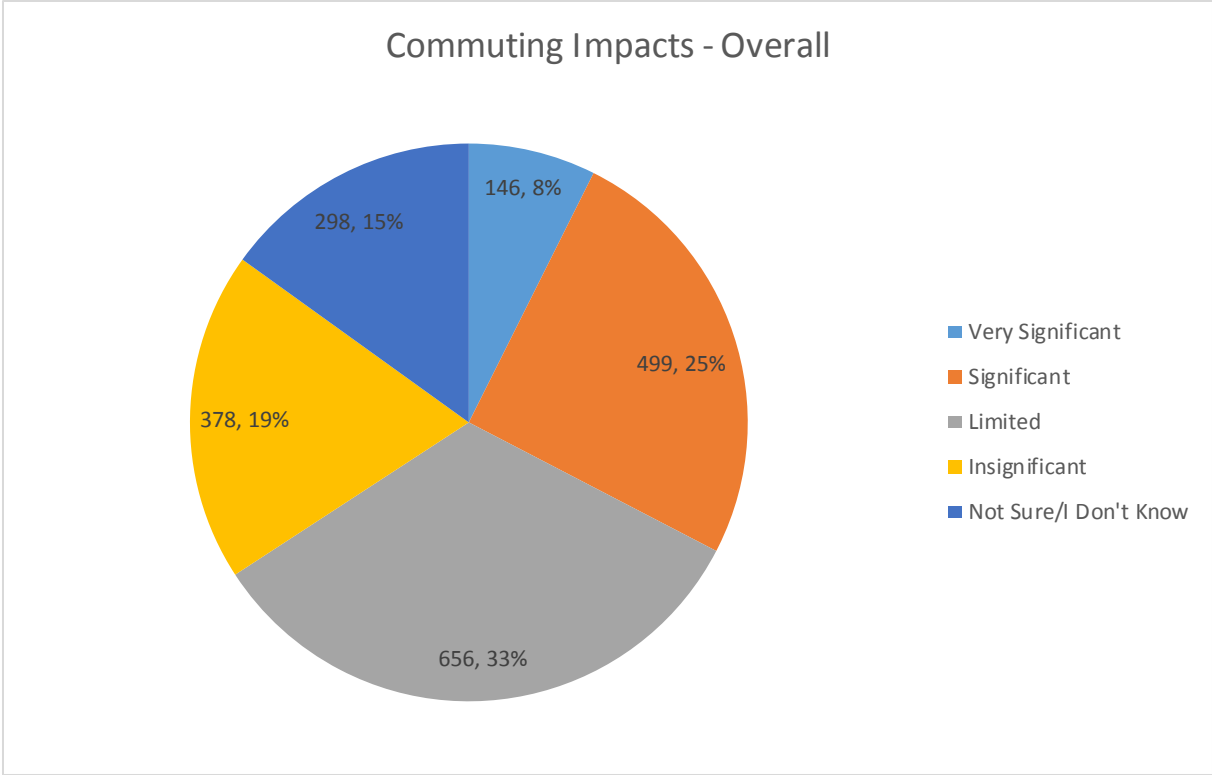
■ Yes ■ No

Are your needs met? - Student

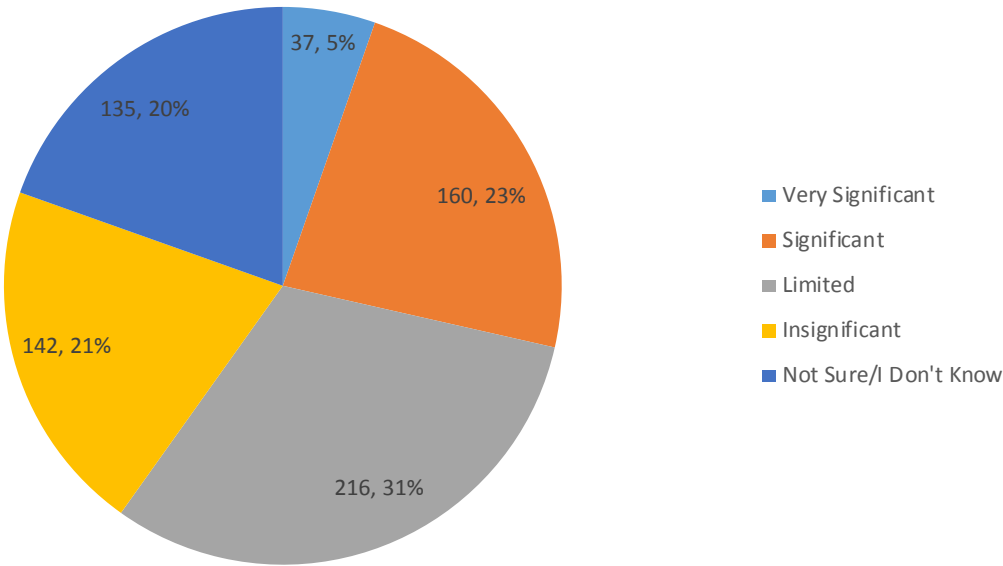


■ Yes ■ No

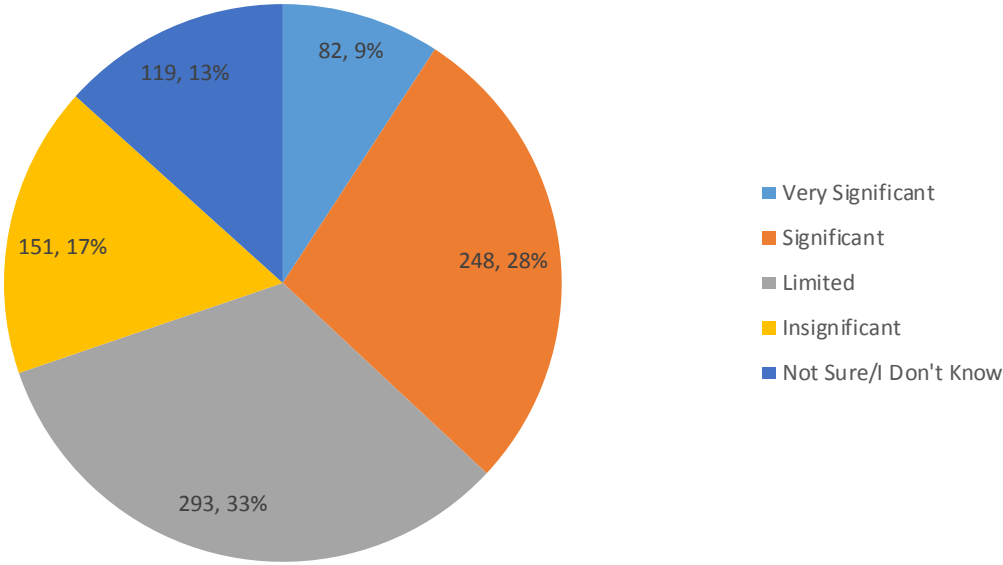
How much impact, if any, do you think your commuting habits have on Clemson University's carbon footprint on the environment?



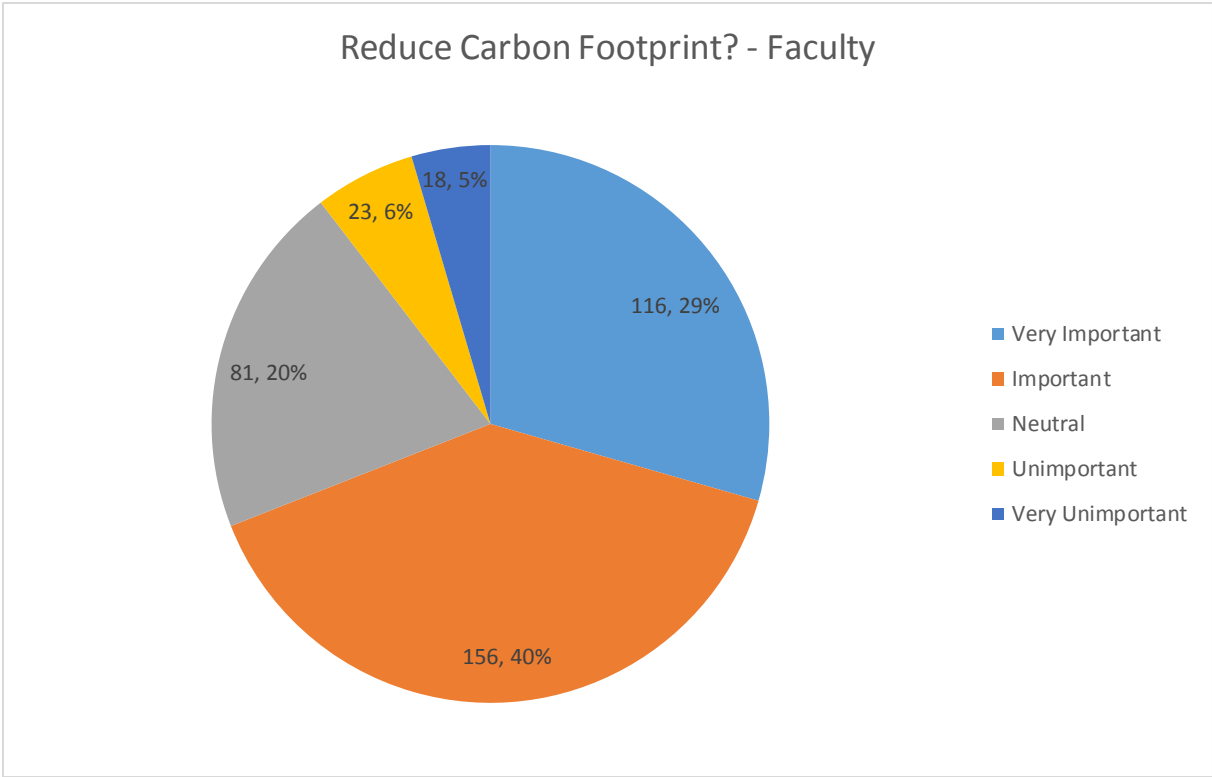
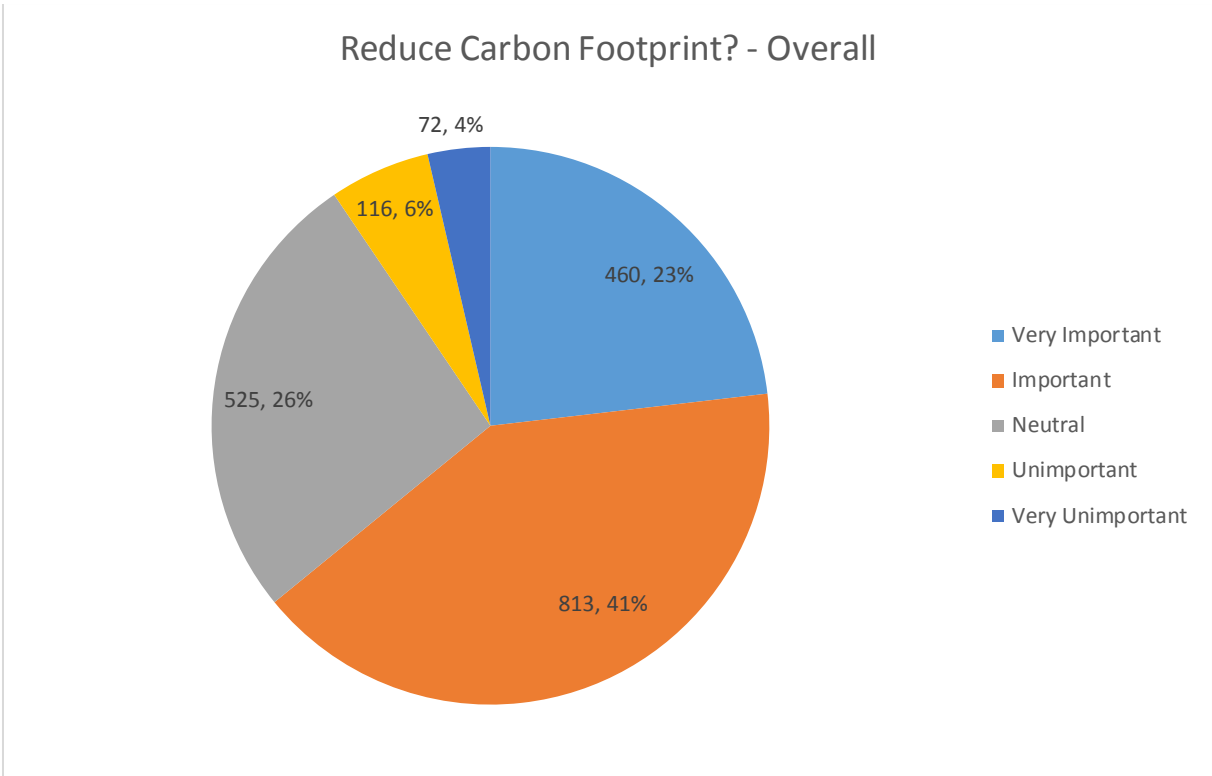
Commuting Impacts - Staff



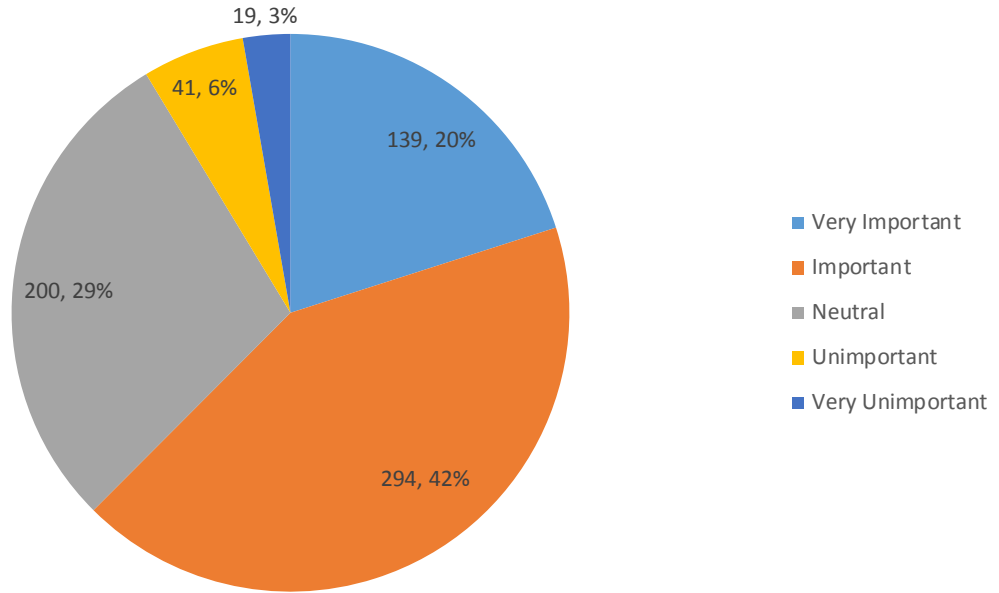
Commuting Impacts - Student



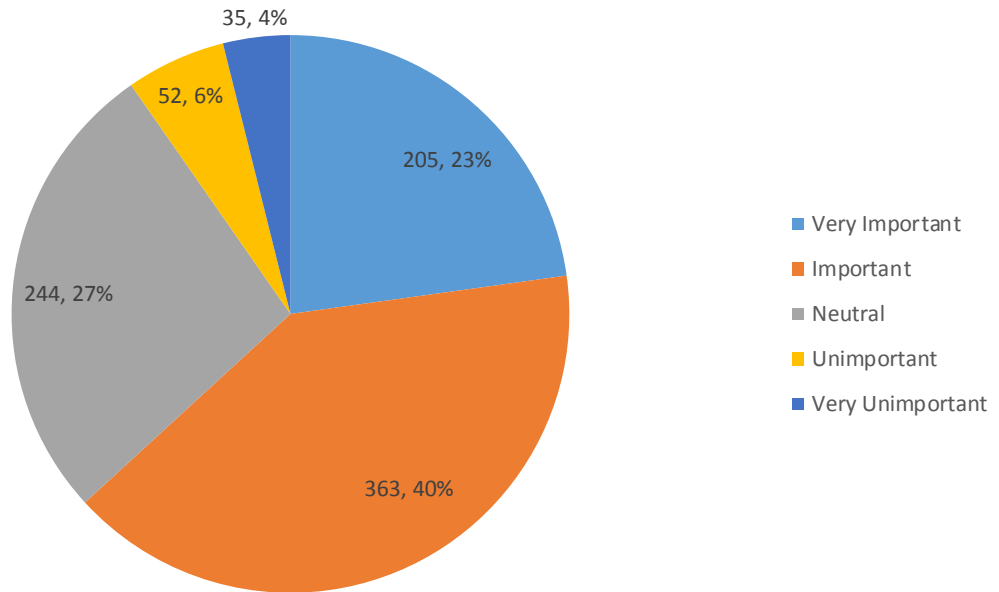
How important is it that Clemson University reduces its carbon footprint or impact on the environment?



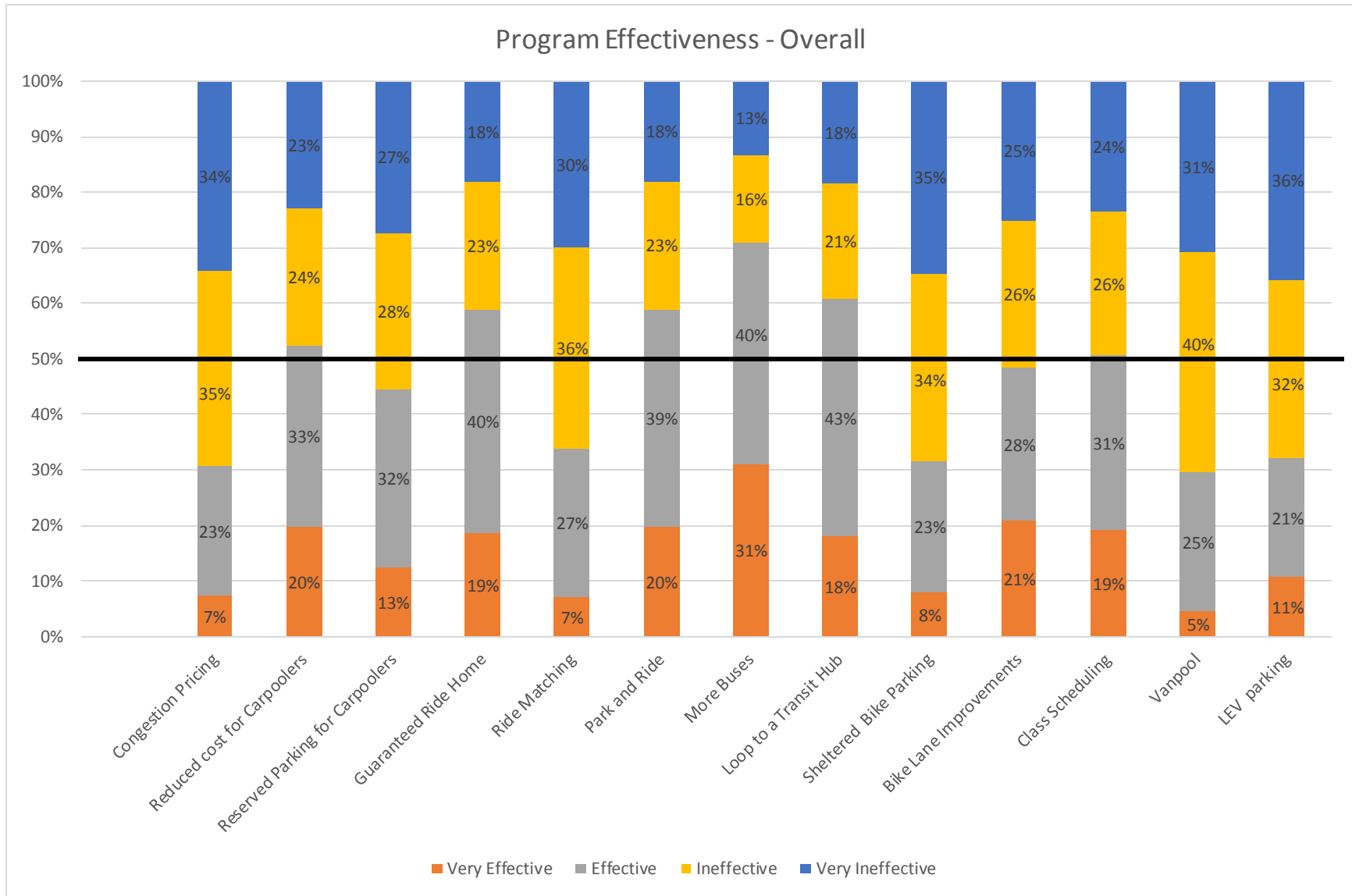
Reduce Carbon Footprint? - Staff



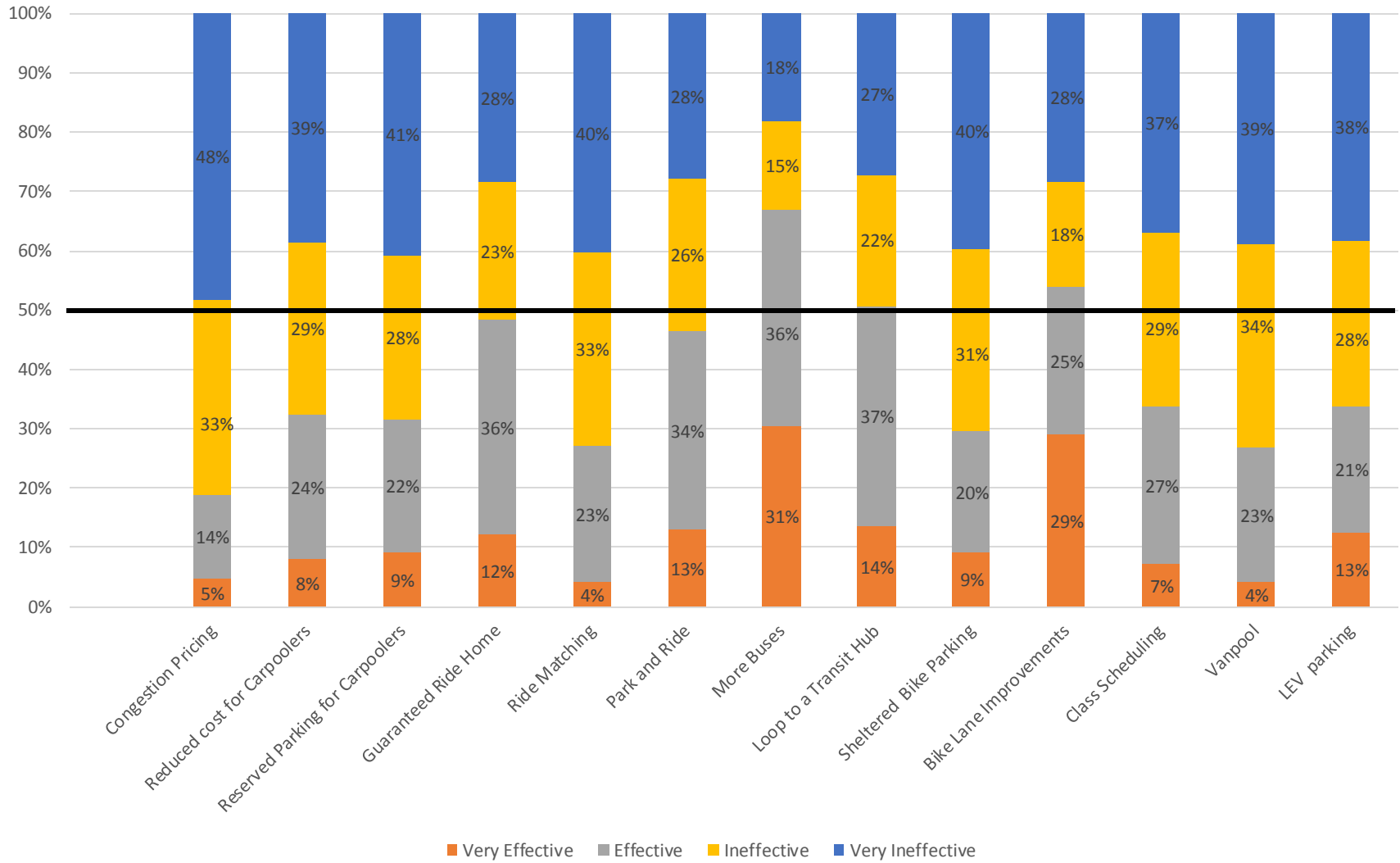
Reduce Carbon Footprint? - Student



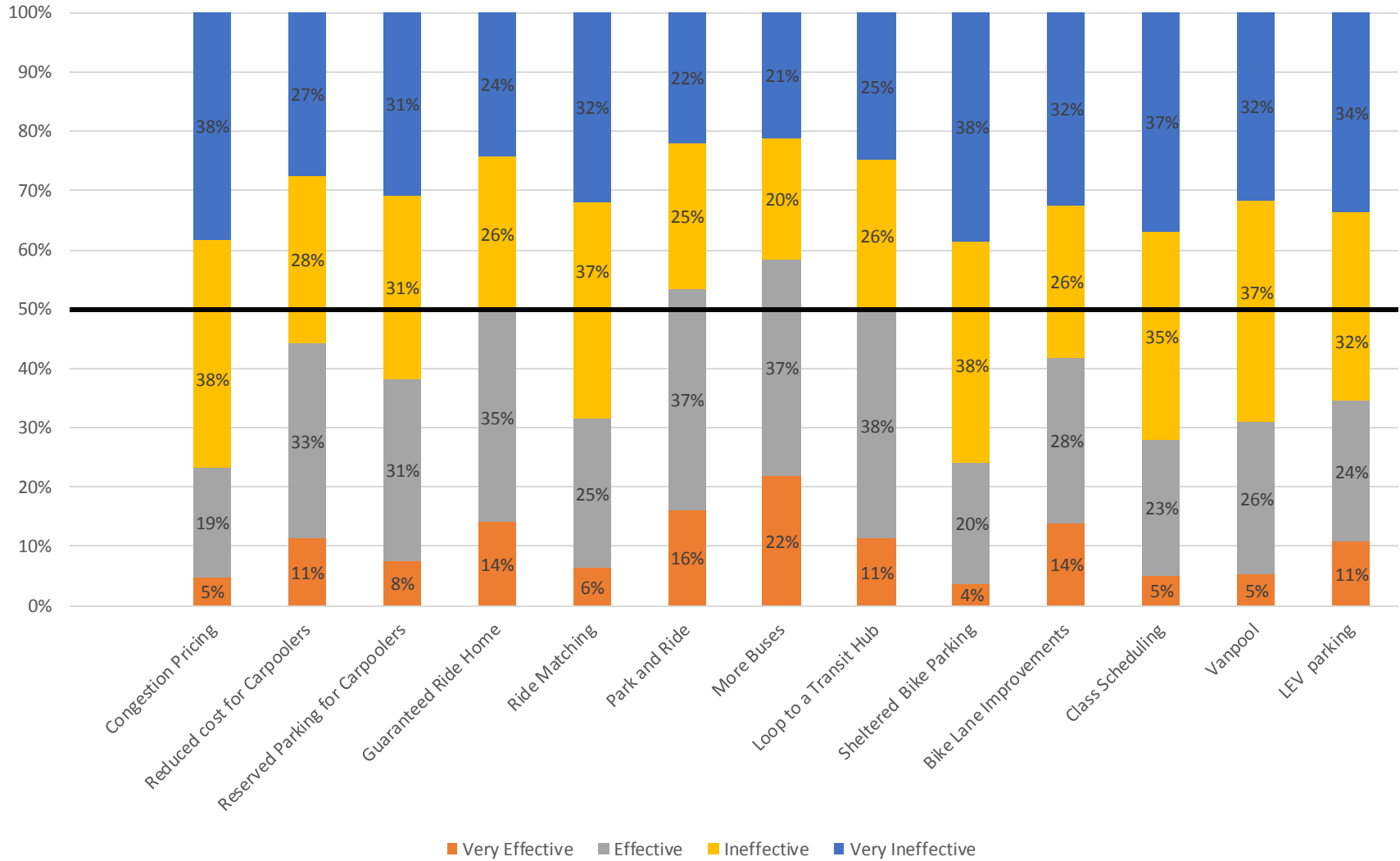
Appendix E – Program Effectiveness



Program Effectiveness - Faculty



Program Effectiveness - Staff



Program Effectiveness - Student

