

# 2014 Downtown Employee Survey for Transportation Report of Results

January 2015



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## Executive Summary

**Since declining from 1999 to 2008, the proportion of work commute trips made by driving alone increased from 2008 to 2011, but leveled off in 2014.**

Questions about the primary mode of transportation used for the work commute on the day the survey was taken by respondents have been asked of downtown employees since 1995. Since the baseline established in 1995, drive alone trips have decreased 13%, from 56% to 43%, in 2014. However, the trend was more complicated than that, with a share of drive alone trips of over 50% in the 1990s, but a decrease from 59% 1999 to 34% in 2008, and then a rise to 43% in 2011. Drive alone trips also accounted for 43% of the work commute trips on the survey day in 2014.

Transit trips have increased over time, from 15% in 1995 to 23% in 2014. Since the high of 34% of trips in 2005, levels of transit use had decreased somewhat, to 22% in 2011, but remained stable in 2014 at 23%.

**Active transportation (biking and walking) continues to be relatively popular for the work commute, with about 2 in 10 respondents choosing these modes in 2014.**

In nearly every survey year, about 20% of respondents have biked or walked to work on the day they completed the downtown employee transportation survey.

**The average distance of the work commute for downtown employees is 11.5 miles, and the average duration is almost 30 minutes.**

These average commute distance and duration have remained stable over time, although had been somewhat shorter in 2005 and earlier. About half of those completing the survey in 2014 lived within the Boulder city limits, while 50% commuted into Boulder from another location.

As would be expected, those who walk or bike to work have much shorter work commutes than those who choose other modes. The average distance of the work commute for those who walked was 1.6 miles, and for those who biked was 3.0 miles.

**Eight in 10 respondents reported a motor vehicle was available to them for their work commute. Nearly 1 in 10 of those vehicles is a hybrid vehicle.**

Eight in 10 respondents reported a motor vehicle was available to them for their work commute, a similar proportion as had been observed since 2001, and a decline from the 1990s. In 2014, employees participating in the survey were asked about the characteristics of the vehicle available to them for their work commute, specifically whether it was a hybrid or fully electric. About 9% of the vehicles were hybrids, and 3% of respondents recognized that their vehicle was a partial zero emissions vehicle. There were no fully electric vehicles used by survey respondents.

**Among downtown employees who said they ever drive to work, about a third usually park in a city lot or city garage.**

Employees who drove to work were asked where they parked their car when they did drive to work. About a third said they parked on a residential street without a meter. About a quarter parked in a city lot or city garage with a permit. Another 13% said they parked in a city lot or garage with cash or pre-payment. About 2 in 10 who drove said they parked in a private lot, garage or parking space.

**Downtown employees who need to run work-related errands or attend meetings off-site whose employer did not provide a vehicle were more likely to drive alone for the work commute than those who did not need to travel off-site for work or whose employers provided a vehicle.**

Survey participants were asked how often their job required them to run errands or attend meetings away from the primary work site. About 17% said “never.” About 1 in 10 respondents said they needed to travel off-site daily, with another 3 in 10 having to travel once or more a week.

Those who reported they did have to go off-site were asked whether their employer provided transportation, or whether they had to provide their own. In nearly all cases (90%), those who were required to run errands or attend meetings away from their place of employment had to provide their own transportation.

Those who have to run work-related errands or attend off-site meetings during their workday using their own transportation were more likely to drive alone for their work commute than were those who did not have to make work-related trips during the day, or those who did make those types of trips but could use employer-provided transportation.

**Eight in 10 of those completing the survey reported having an EcoPass.**

A large majority, 8 in 10, of those completing the survey said they had an EcoPass of some kind. Many (37%) identified their pass as a downtown EcoPass, although 41% said they had obtained one through their employer. Presumably, for these employees, this means they received a downtown pass from their employer because they are within the CAGID boundaries, but did not recognize it as a “downtown” pass.

Those who held an EcoPass were much more likely to have used transit to get to work on the day they completed the survey (27%) than those who did not hold an EcoPass (3%). Likewise, those without an EcoPass were more likely to have driven to work alone (67%) compared to those with an EcoPass.

**Use of transit for work and non-work trips has remained stable since 2011, with about 4 in 10 saying they at least sometimes use the bus for non-commute trips, and 7 in 10 saying they at least occasionally use the bus for the work commute.**

In 2014, the average number of non-commute trips made on the bus in a typical week was 1.4 trips; among those who said they made at least one bus trip in a typical week the average number of non-work commute bus trips was 3.2 trips.

Nearly all of those who completed the online version of the survey in 2014 (95%) reported going to Denver International Airport (DIA) at least once in the past year, similar to what had been observed among the online respondents in 2011. Of those who made trips to DIA, they averaged 8.3 trips during the past year. Respondents also were asked to indicate what mode they used for each trip to DIA. About 4 in 10 trips were made by driving to or from the airport, and parking at the airport. A quarter of the trips were made by having someone else drop off or pick up the respondent. The skyRide with EcoPass was used for about 3 in 10 trips, skyRide with paid fare or a commercial van service was used for less than 5% of trips. These proportions were similar to what had been observed in 2011.

**Half of those completing the online version of the survey said they telecommute at least occasionally, an increase over 2011.**

Those completing the questionnaire were provided with a definition of teleworking as when employees work at home instead of going into the office. They were then asked whether they ever teleworked. About half of those participating in the online version of the survey in 2014 reported telecommuting at least sometimes. This was somewhat higher than the 41% of those who completed the online version of the survey in 2011. About 16% of all online respondents in 2014 reported telecommuting once a week or more, nearly double the 8% who reported doing so in 2011.

## Report of Results

### Survey Background

The Downtown Boulder Employee Transportation Survey has been implemented eight previous times: in 1993, 1995, 1997, 1999, 2001, 2005, 2008 and 2011. For the first implementation in 1993, the survey was administered by telephone. In subsequent implementations, however, a drop-off/pick-up methodology was employed, as described below.

Before 2005, data for the Downtown Boulder Employee Transportation Survey was always conducted in the fall months. A similar effort for all Boulder County or Boulder Valley employees was conducted in the summer of the same years. In 2005, it was decided that these efforts could be combined to achieve some cost savings for the involved agencies. The same set of questions were used across the study groups, to allow comparisons as possible, and to realize the cost-efficiency savings.

Employees were targeted for inclusion in the study through a two-stage sampling process; first a group of employers was randomly chosen, and then employees from within the selected organization were randomly sampled. A database was available that included nearly all organizations within the CAGID and BID boundaries. A stratified, cluster sampling procedure was used to randomly select companies by number of employees to participate in the study. From a list of 1,371 organizations, 350 employers were selected for the survey. Of these, once contacted, 82 agreed to participate and provided at least one completed employee survey, for a company response rate of 24%. Employees within the organization were then selected to receive the survey. Not all employees elected to participate; the employee response rate was 52%. A total of 472 completed surveys were collected from downtown employees, providing a 95% confidence interval (“margin of error” of approximately  $\pm 5\%$ ). Of these 472 surveyed employees, 126 completed the survey by paper and pencil (hard copy) and 346 completed the survey online.

In 2014, the hard copy survey was shortened to be only 2 pages, as there had been complaints in years’ past about the length of the survey when administered by pencil and paper. Responses to questions that were only asked of those who completed the online survey are noted in the report. For these tables, web-only responses from 2011 are shown, to allow a more fair comparison.

More information about the survey methodology can be found in *Appendix D: Survey Methodology*. A copy of the cover letters and survey given to employees can be found in *Appendix E: Survey Instrument*.

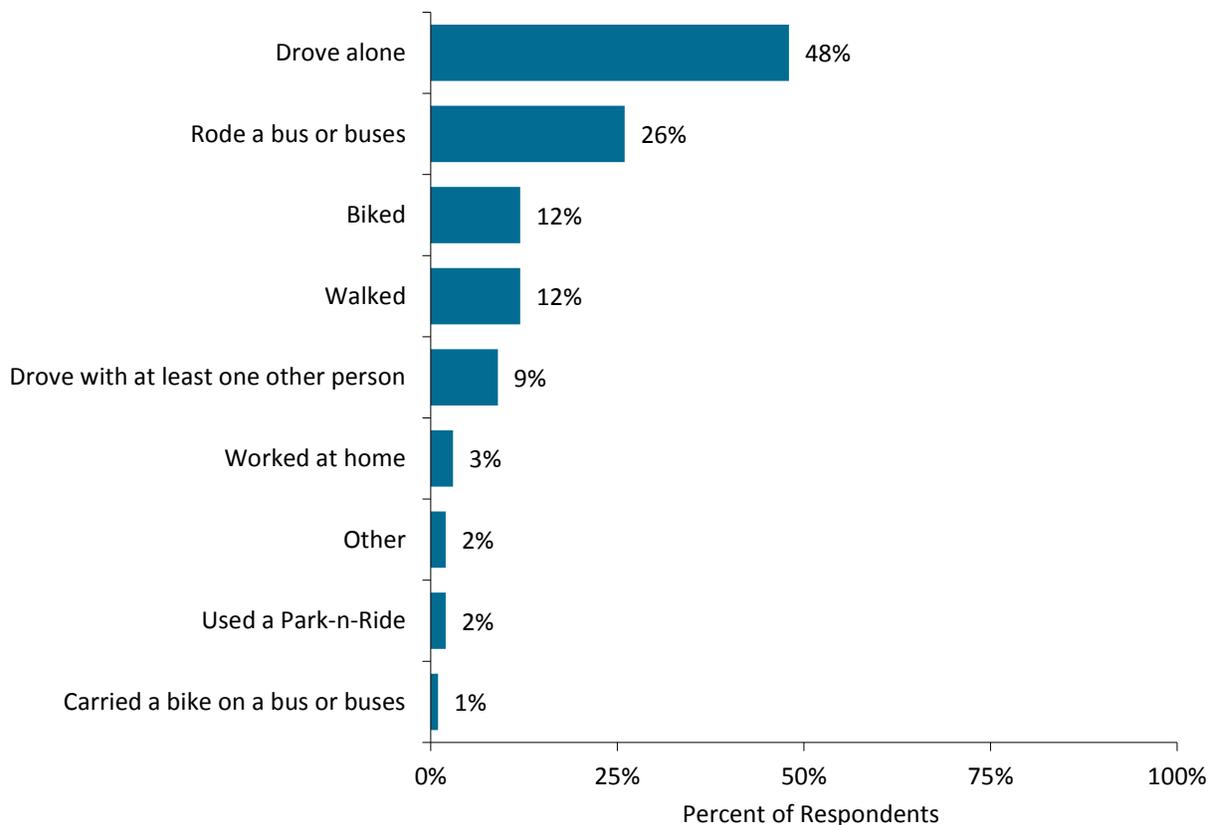
## Modal Share of the Work Commute

One of the main purposes of the Downtown Employee Transportation Survey is to determine the “modal share” of trips made to and from the place of employment by those who work in downtown Boulder; that is, the proportion of work commute trips made via each method of transportation. Several questions on the survey completed by employees permitted an estimation of the work commute modal share.

Because it may be socially desirable for respondents to over-estimate their use of alternate travel modes (other than driving alone), as there are many messages and influences in Boulder to encourage the use of alternative modes of transportation, the survey asked respondents how they got to work on the day they completed the questionnaire, which generally results in a more accurate response. Respondents could choose more than one mode – as many modes as they had used on that day.

As shown in Figure 1, 48% of respondents drove alone for at least a portion of their work commute on the day they completed the survey. About a quarter of respondents rode a bus for at least a portion of their commute. About 1 in 10 respondents biked for at least a segment of their commute, and 1 in 10 walked for at least a portion.

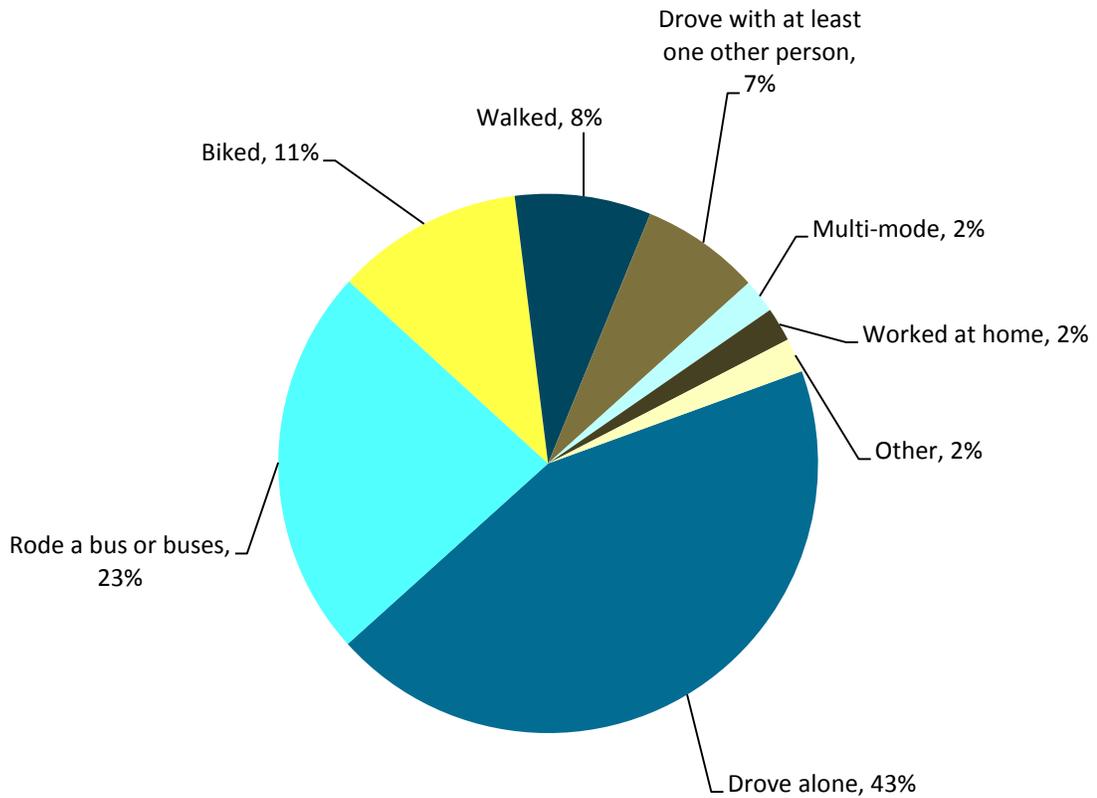
Figure 1: Modal Share of Work Commute on Survey Day, 2014



*\*Percents may add to more than 100% as respondents could give more than one answer.*

Each respondent was assigned a “primary” mode for the work commute on the survey day, in order to create a modal share estimate that sums to 100%. If a respondent drove alone and took a bus, or if they walked and took a bus, they were assigned bus as their primary mode. Other combinations of modes were combined into a “multi-mode” category. Using this categorization, about 4 in 10 respondents drove alone as their primary mode for the work commute on the day they completed the survey, and about 2 in 10 respondents rode a bus or buses.

**Figure 2: Primary Mode of Work Commute on Survey Day, 2014**



Questions about the work commute have been asked of downtown employees since the first survey was implemented in 1993. However, the 1993 and 2001 surveys did not include a question that asked about the work commute on the day of the survey. Figure 3 shows the change, or “shift,” over time in the primary work commute mode on the day of the survey of downtown employees. Since the baseline established in 1995, drive alone trips have decreased 13%, from 56% to 43%, while transit trips have increased, from 15% in 1995 to 23% in 2014. Since 2005, levels of transit use had decreased somewhat, but leveled off in 2014 compared to 2011. Levels of driving alone had increased in 2011 compared to 2008, but remained stable from 2011 to 2014.

**Figure 3: Modal Shift of Work Commute (Primary Mode), 1995-2014**

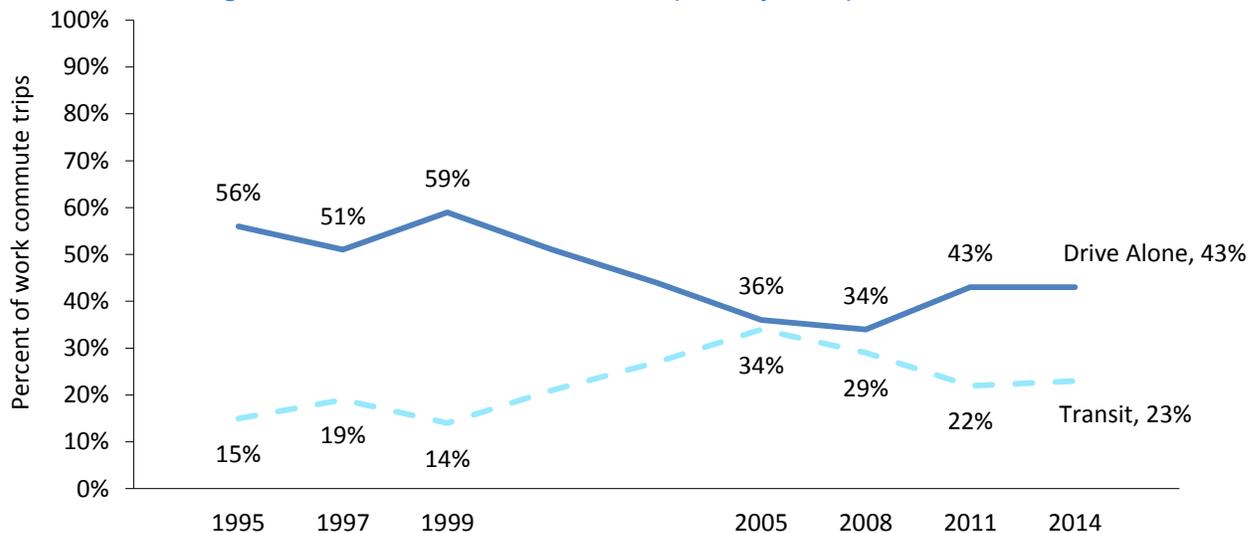


Figure 4 displays the mode choice over time for the work commute for all transportation modes. The mode share of the primary work commute has remained stable in 2014 compared to 2011.

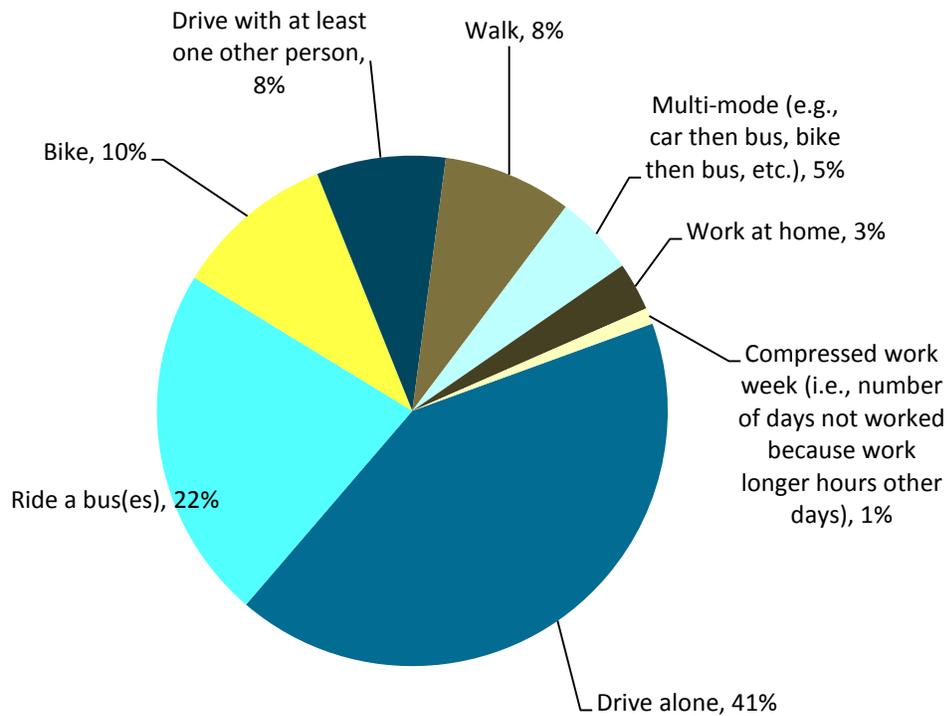
**Figure 4: Travel Mode Used for Work Commute on Survey Day, 1995-2014**

What was your primary mode of transportation to work today?	Survey Year							Modal Shift, 2011-2014
	2014	2011	2008	2005	1999	1997	1995	
Drove alone	43%	43%	34%	36%	59%	51%	56%	0%
Drove with at least one other person	7%	5%	6%	9%	8%	7%	7%	+2%
Walked	8%	10%	8%	8%	8%	10%	10%	-2%
Biked	11%	14%	13%	6%	8%	11%	11%	-3%
Rode a bus or buses	23%	22%	29%	34%	14%	19%	15%	+1%
Multi-mode	2%	6%	9%	6%	1%	2%	N/A	-4%
Worked at home	2%	0%	0%	0%	N/A	N/A	N/A	+2%
Other*	2%	<1%	1%	1%	2%	1%	1%	+1%
Total	100%	100%	100%	100%	100%	100%	100%	----

\*In years 1995-1999, the “Other” category included “Work at home.”

One question asked how many days various modes of transportation were used for the commute to work during a typical week. Driving alone was the most common form of transportation used during a typical week, accounting for 41% of trips. Riding a bus was next, used for 22% of trips. Multi-mode trips, which often included a bus, accounted for 5% of work commute trips in a typical week. Walking was used for 8% of trips, and biking for 10% of trips. Carpooling was used for 8% of trips, about 1% of days on average were not worked due to a compressed work week, and about 3% of work commute trips were replaced by working at home.

Figure 5: Modal Share of Work Commute Trips During a “Typical” Week, 2014



When examining the modal share of work commute trips during a typical week over time, there was an increase in the proportion of work commute trips made by driving alone in 2014 compared to 2011 and earlier (see Figure 6 below). The increase in drive alone trips resulted in fewer work commute trips made by biking in a typical week. However, as seen previously, drive alone trips for the work commute on the day that respondents completed the survey did not change in 2014 compared to 2011 (see Figure 4).

**Figure 6: Modal Share of Work Commute Trips During a “Typical” Week, 2011-2014**

Average percent of work commute trips made by each mode during a typical week	2014	2011	2008	2005	Modal Shift, 2011-2014
Drive alone	41%	34%	35%	36%	+9%
Ride a bus(es)	22%	24%	26%	28%	-2%
Bike	10%	16%	14%	8%	-10%
Drive with at least one other person	8%	8%	7%	10%	0%
Walk	8%	9%	10%	8%	-1%
Multi-mode (e.g., car then bus, bike then bus, etc.)	5%	7%	6%	9%	-2%
Work at home	3%	1%	2%	1%	+2%
Compressed work week (i.e., number of days not worked because work longer hours other days)	1%	2%	NA	NA	+1%
Other	1%	0%	0%	1%	+1%
Total	100%	100%	100%	100%	----

## Characteristics of the Work Commute

In addition to answering questions about the mode(s) of transportation used for the work commute, downtown employees participating in the survey also reported on other characteristics of their work commute. The average distance of a downtown employee’s work commute was 11.5 miles, while the average duration was approximately 30 minutes. Those who biked or walked to work the day they completed the survey lived, on average, much closer to work than those who used other modes of travel for their work commute. The average distance and duration of the work commute of downtown employees has remained stable since 2011.

**Figure 7: Average Distance of the Work Commute  
by Travel Mode Used for Work Commute on Survey Day, 1997-2014**

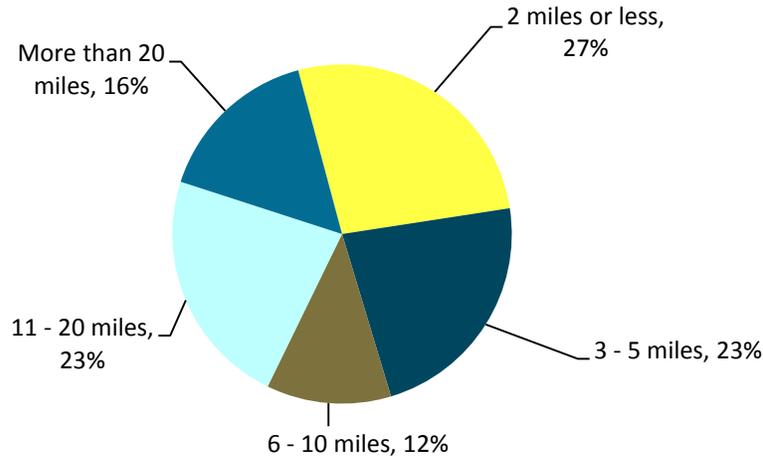
Primary Mode of Transportation	About how far is your home from work? (Average Number of Miles)							
	2014	2011	2008	2005	2001	1999	1997	1995
Drove alone	12.7	11.8	11.3	10.9	10.7	11.5	12.8	10.2
Drove with at least one other person	13.9	8.4	8.8	6.6	11.8	12.0	16.0	9.7
Walked	1.6	1.0	1.1	0.9	1.6	0.6	1.1	1.1
Biked	3.0	2.5	2.9	1.8	1.6	2.8	2.0	2.2
Rode a bus or buses	12.0	16.8	18.2	10.3	10.6	10.2	13.2	10.4
Multi-mode	20.0	14.8	13.7	3.9	12.6	12.2	15.5	NA
Other	6.6	1.2	2.7	3.5	NA	NA	NA	NA
OVERALL	11.5	10.9	11.4	7.9	9.6	9.4	10.8	8.5

**Figure 8: Average Duration of the Work Commute  
by Travel Mode Used for Work Commute on Survey Day, 2005-2014**

Travel Mode Used for Work Commute on Survey Day	About how many minutes did it take? (Average Number of Minutes)			
	2014	2011	2008	2005
Drove alone	25	25	22	22
Drove with at least one other person	30	18	19	27
Walked	20	12	13	11
Biked	15	11	12	15
Rode a bus or buses	41	43	46	32
Multi-mode	63	44	43	29
Other	40	5	12	8
OVERALL	28.5	28.7	29.7	25.0

About one half of all downtown employees surveyed reported living within five miles of work. About one in four lived between 11 and 20 miles from work (see Figure 9). As would be expected, those who lived closer to work were more likely to walk or use a bike for their work commute; no respondents who lived more than 5 miles from their place of employment walked to work the day they completed the questionnaire (see Figure 11).

**Figure 9: Distance of Work Commute, 2014**



**Figure 10: Distance of Work Commute, 2005-2014**

About how far is your home from work?	Percent of Respondents			
	2014	2011	2008	2005
2 miles or less	27%	27%	27%	31%
3 - 5 miles	23%	24%	24%	26%
6 - 10 miles	12%	8%	8%	18%
11 - 20 miles	23%	24%	21%	15%
More than 20 miles	16%	17%	19%	9%
Total	100%	100%	100%	100%

**Figure 11: Travel Mode Used for Work Commute on Survey Day by Distance of Work Commute, 2014**

Primary Travel Mode Used for Work Commute on Survey Day	Distance of Work Commute				
	0-2 miles	3-5 miles	6-10 miles	11-20 miles	over 20 miles
Drove alone	35%	39%	31%	62%	49%
Drove with at least one other person	3%	6%	9%	10%	11%
Walked	28%	2%	2%		
Biked	21%	17%	7%	2%	
Rode a bus or buses	7%	29%	44%	22%	26%
Multi-mode	1%	1%		2%	7%
Worked at home	1%	2%	6%	1%	6%
Other	3%	4%			1%
Total	100%	100%	100%	100%	100%

When asked where they lived, about half of respondents said they lived in Boulder (see Figure 12). Those living outside Boulder were more likely to drive alone than were those who lived in Boulder (see Figure 13 below). As would be expected, those who lived in Boulder were more likely to walk or bike for the work commute than were those who lived outside of Boulder (see Figure 14 on the next page).

Figure 12: Location of Respondent Home, 2014

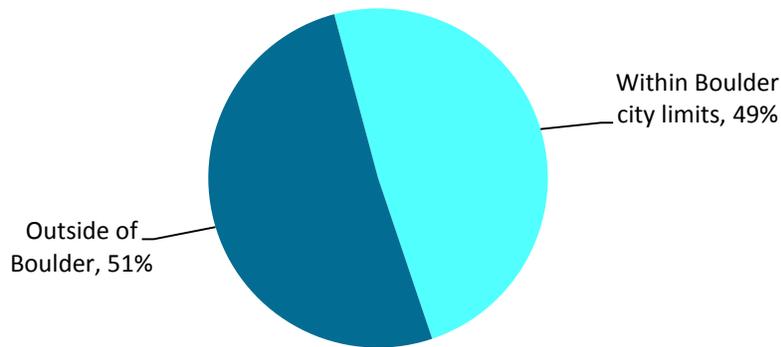


Figure 13: Travel Mode Used for Work Commute on Survey Day by Location of Respondent Home, 2014

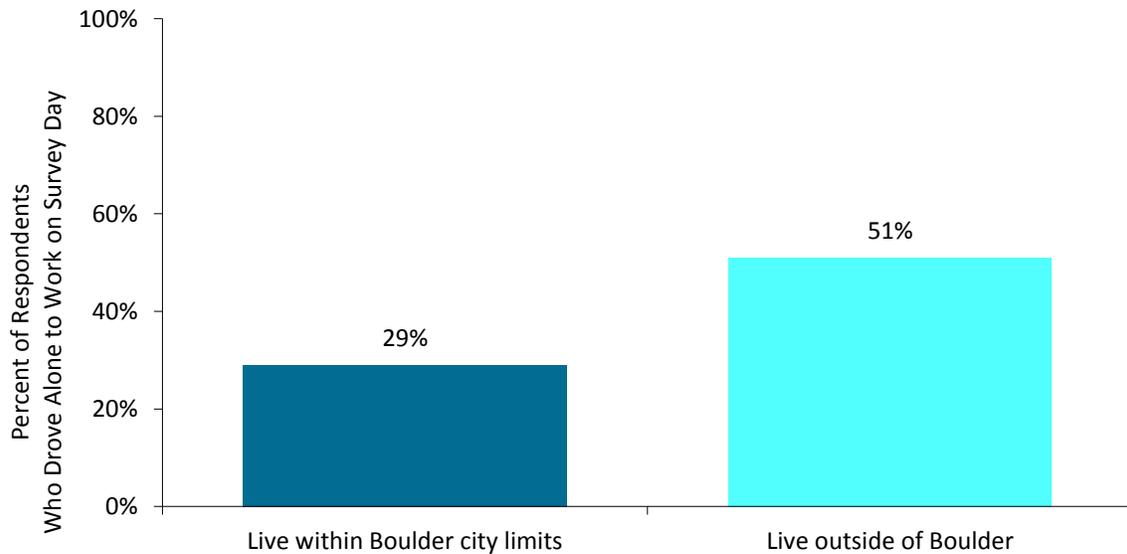


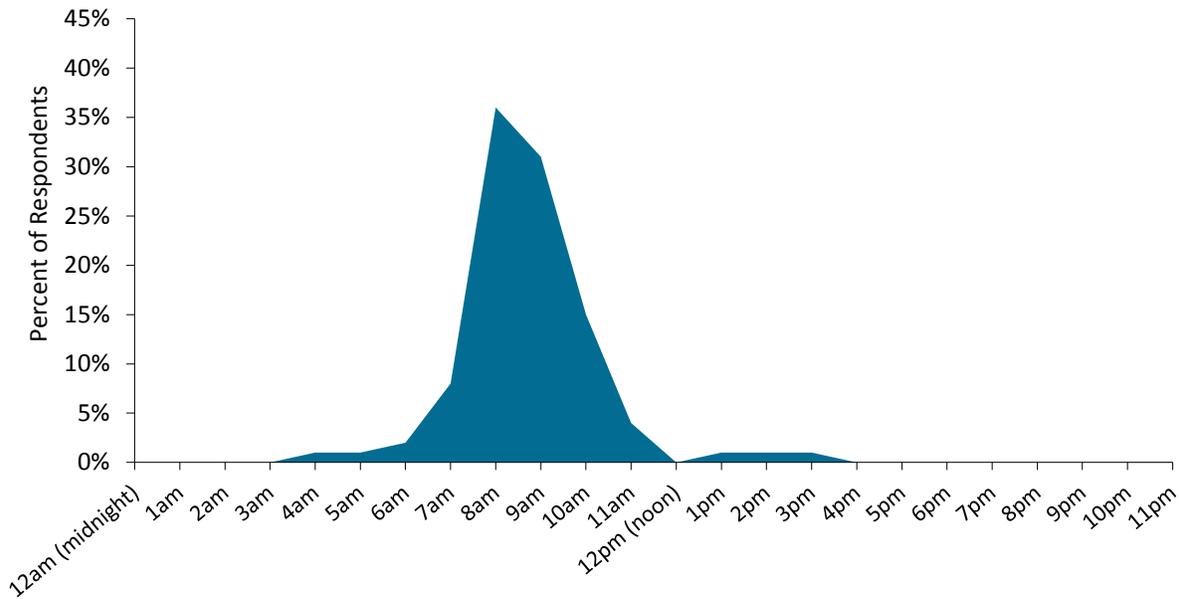
Figure 14: Work Commute by City of Residence, 1995-2014

How did you get to work today?	2014		2011		2008		2005		2001		1999		1997		1995	
	Boulder	Other locations														
Drove alone	29%	51%	33%	53%	29%	41%	30%	44%	50%	71%	50%	73%	41%	64%	45%	73%
Drove with at least one other person	7%	9%	6%	5%	5%	7%	10%	7%	5%	5%	7%	10%	5%	9%	7%	7%
Walked	15%	1%	19%	0%	15%	0%	15%	0%	10%	<1%	12%	<1%	1%	3%	N/A	N/A
Biked	20%	2%	25%	2%	21%	4%	11%	1%	14%	<1%	14%	<1%	19%	0%	17%	1%
Rode a bus or buses	23%	29%	10%	34%	22%	36%	29%	41%	17%	18%	14%	14%	16%	22%	12%	18%
Multi-mode	2%	4%	5%	6%	7%	11%	4%	8%	3%	3%	1%	<1%	1%	3%	N/A	N/A
Worked at home	1%	4%	0%	0%	0%	0%	0%	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other*	3%	1%	1%	0%	1%	0%	1%	0%	12%	>1%	2%	1%	1%	1%	2%	1%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

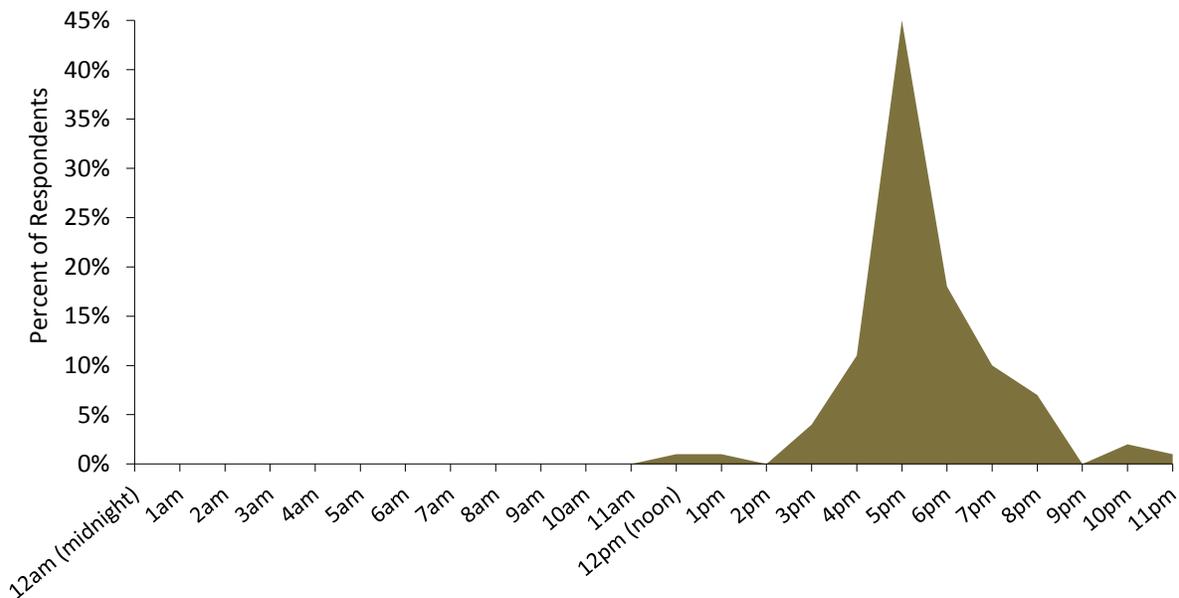
\*In years 1995-1999, the "Other" category included "Work at home."

Approximately two-thirds of downtown employees participating in the study usually arrived at work between 8:00 am and 10:00 am. About 4% arrived before 7:00 am and 8% arrived during the 7:00 am hour. Only 18% worked shifts for which they arrived at work at 11:00 am or later (see Figure 15 and Figure 17). Employee departure times are similarly peaked; 45% said they leave during the 5:00 pm hour, with only 11% leaving during the 4:00 pm hour and another 18% leaving during the 6:00 pm hour (see Figure 16 and Figure 17).

**Figure 15: Employees' Arrival Time at Work, 2014**



**Figure 16: Employees' Work Departure Time**



**Figure 17: Work Arrival and Departure Times, 2014**

Hour of the Day	Percent of Respondents	
	Arrival Time	Departure Time
12:00 am (midnight)	0%	0%
1:00 am	0%	0%
2:00 am	0%	0%
3:00 am	0%	0%
4:00 am	1%	0%
5:00 am	1%	0%
6:00 am	2%	0%
7:00 am	8%	0%
8:00 am	36%	0%
9:00 am	31%	0%
10:00 am	15%	0%
11:00 am	4%	0%
12:00 pm (noon)	0%	1%
1:00 pm	1%	1%
2:00 pm	1%	0%
3:00 pm	1%	4%
4:00 pm	0%	11%
5:00 pm	0%	45%
6:00 pm	0%	18%
7:00 pm	0%	10%
8:00 pm	0%	7%
9:00 pm	0%	0%
10:00 pm	0%	2%
11:00 pm	0%	1%
Total	100%	100%

Eight in 10 respondents reported a motor vehicle was available to them for their work commute, a similar proportion as had been observed since 2001, and a decline from the 1990s.

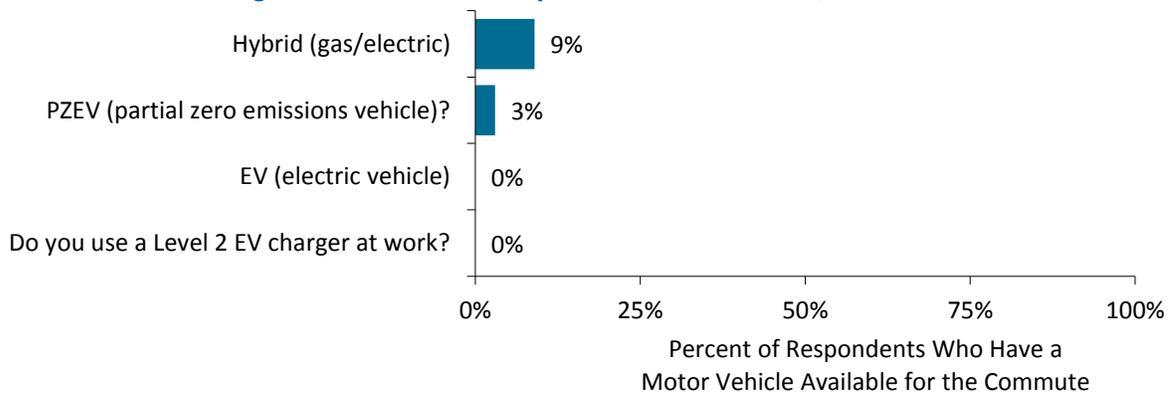
**Figure 18: Vehicle Availability for the Work Commute, 1993-2014**

Is a car or other motor vehicle usually available to you for commuting to work?	2014	2011	2008	2005	2001	1999	1997	1995	1993
Yes	80%	78%	83%	78%	80%	85%	85%	85%	91%
No (or sometimes*)	20%	22%	17%	22%	20%	14%	15%	15%	9%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

\* "Sometimes" was not an option in from 2005 and later

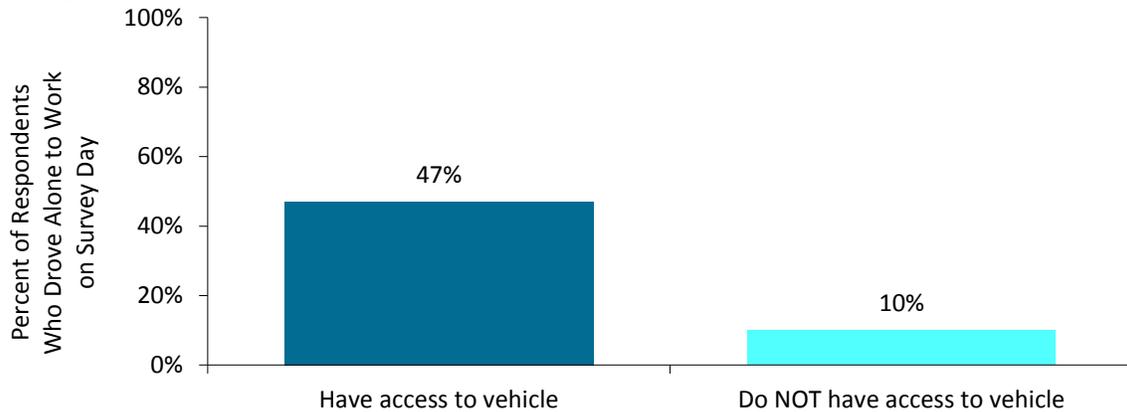
In 2014, employees participating in the survey were asked about the characteristics of the vehicle available to them for their work commute, specifically whether it was a hybrid or fully electric. About 9% of the vehicles were hybrids, and 3% of respondents recognized that their vehicle was a partial zero emissions vehicle. There were no fully electric vehicles used by survey respondents.

**Figure 19: Prevalence of Hybrid or Electric Vehicles, 2014**



Access to a motor vehicle is a strong predictor of commuting in a single-occupancy vehicle. Among downtown employees; 47% of those with access to a motor vehicle drove alone to work on the day they completed the survey, while 10% of those without access were still able to do so.

**Figure 20: Travel Mode Used for Work Commute on Survey Day by Vehicle Availability, 2014**



As seen in previous survey years, most (86%) of the privately operated vehicles used for the work commute were occupied by only the driver. The average vehicle occupancy was 1.17 persons per vehicle. The average vehicle occupancy of vehicles with more than one person was 2.2 persons per vehicle.

**Figure 21: Vehicle Occupancy, 1995-2014**

<b>Number of People in Automobiles for the Work Commute</b>	<b>2014</b>	<b>2011</b>	<b>2008</b>	<b>2005</b>	<b>2001</b>	<b>1999</b>	<b>1997</b>	<b>1995</b>
<b>All Vehicles</b>								
One (self)	86%	89%	95%	92%				
Two (self plus one)	12%	5%	4%	3%				
Three (self plus two) or more	3%	6%	1%	4%				
Total	100%	100%	100%	100%				
Average Vehicle Occupancy, All Vehicles	1.17	1.19	1.10	1.12				
<b>Multiple Occupancy Vehicles</b>								
One (in addition to self)	82%	50%	57%	58%	68%	60%	63%	56%
Two or more (in addition to self)	18%	50%	43%	42%	32%	40%	37%	44%
Total	100%	100%	100%	100%	100%	100%	100%	100%
Average Vehicle Occupancy, Multiple-Occupancy Vehicles	2.2	2.7	2.5	2.6	2.5	2.5	2.5	3.2

Over half of those who responded to the survey said they had not made any stops on the way home from work on the previous workday. Of those who did make stops, the average number of stops made was 1.6.

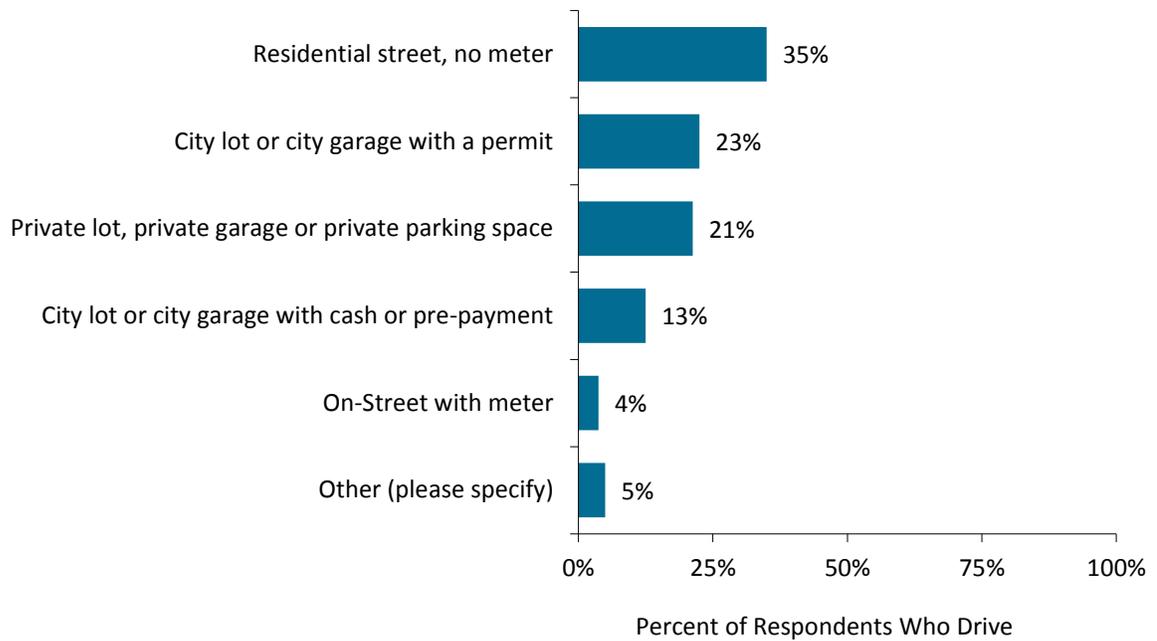
**Figure 22: Stops on the Way Home from Work, 2008-2014**

<b>Yesterday, or on the last day you worked, how many stops did you make on your way home?</b>	<b>2014</b>	<b>2011</b>	<b>2008</b>
0 (straight home from work)	43%	56%	64%
1 stop	37%	24%	23%
2 stops	12%	15%	9%
3 stops	3%	2%	3%
5 + stops	2%	4%	0%
Total	100%	100%	100%
Average Number of Stops Made by All Respondents	0.9	0.3	0.8
Average Number of Stops Made by Those Making Any Stops	1.6	1.7	1.5

## Employee Parking

Employees who drove to work were asked where they parked their car when they did drive to work. About a third said they parked on a residential street without a meter. About a quarter parked in a city lot or city garage with a permit. Another 13% said they parked in a city lot or garage with cash or pre-payment. About 2 in 10 who drove said they parked in a private lot, garage or parking space.

**Figure 23: Type of Parking Used by Downtown Employees, 2014**



## Other Trips Made During the Work Day

Those completing the survey were asked how many one-way trips they made during the previous workday, not including the work commute. Over half said they had made no trips during their previous workday, similar to what had been observed in 2011 among those who had completed the survey online. Over half of the workday trips in 2014 were made by driving alone, a greater percent than had been observed in 2011 (see Figure 25).

**Figure 24: Number of Non-Commute Work Day Trips, 2011-2014**  
(In 2014, only asked of those who did the online survey)

How many one-way trips did you make during your workday yesterday (or on the last day you worked), not including your work commute?	2014 (web only)	2011 web-only	2011
No trips	55%	57%	61%
1 trip	8%	7%	6%
2 trips	20%	27%	22%
3 or more trips	17%	9%	12%
Total	100%	100%	100%
<b>Average number of trips, all respondents</b>	<b>1.2 trips</b>	<b>1.0 trips</b>	<b>1.0 trips</b>
<b>Average number of trips, those making at least one trip</b>	<b>2.7 trips</b>	<b>2.3 trips</b>	<b>2.5 trips</b>

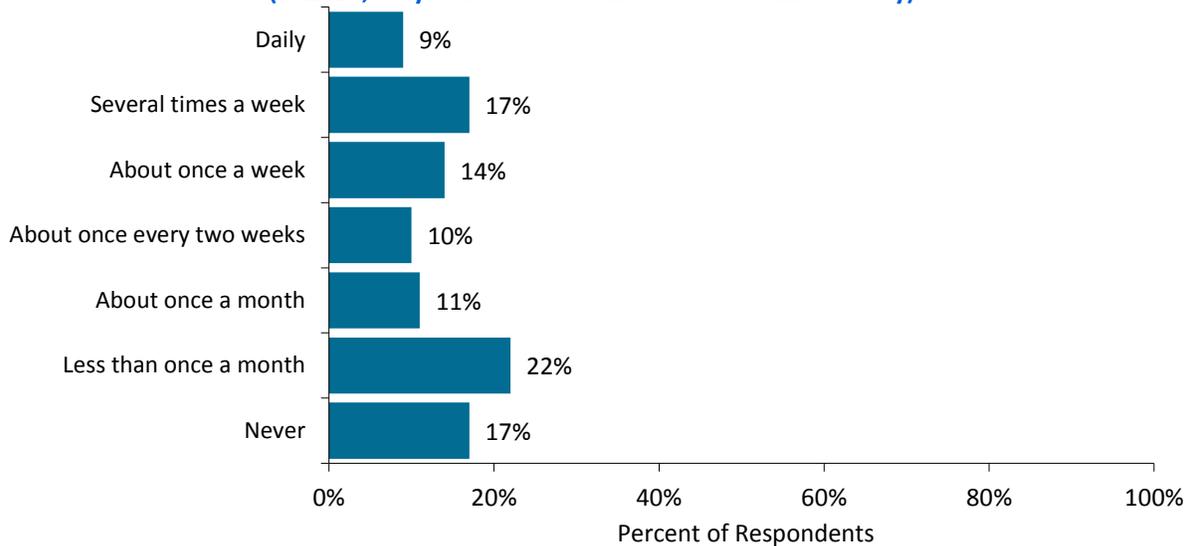
**Figure 25: Mode of Non-Commute Work Day Trips, 2005-2014**  
(In 2014, only asked of those who did the online survey)

What method(s) of travel did you use for non-commute workday trips during your workday yesterday?	Percent of Non-Commute Trips*				
	2014 (web only)	2011 web only	2011	2008	2005
Drove alone	55%	37%	36%	33%	35%
Drove with at least one other person	6%	5%	6%	9%	6%
Multi-mode (e.g., car then bus, bike then bus, etc.)	0%	0%	<1%	0%	1%
Walked	29%	37%	37%	36%	38%
Biked	6%	13%	12%	13%	7%
Rode a bus(es)	3%	6%	9%	7%	13%
Other	1%	0%	0%	2%	0%
Used eGo Car Share	0%	0%	0%	NA	NA
Used Boulder B-cycle	0%	1%	1%	NA	NA

\*Percents may add to more than 100% as respondents were allowed more than one response

Survey participants were asked how often their job required them to run errands or attend meetings away from the primary work site. About 17% said “never” (see Figure 26). In 2011, a question was first posed to respondents asking whether their job requires them to run errands or attend meetings away from the work site, and then those whose job did require off-site travel were asked how frequently. A larger proportion in 2011 said their job does not require off-site travel (60% of all respondents, 55% of those who completed the survey online) than said they “never” have to travel off-site for their job in 2014. These differences are likely due to the difference in the way the question was asked. About 1 in 10 respondents said they needed to travel off-site daily, with another 3 in 10 having to travel once or more a week.

**Figure 26: Frequency of running work-related errands or attending off-site meetings, 2014**  
(In 2014, only asked of those who did the online survey)



Those who reported they did have to go off-site were asked whether their employer provided transportation, or whether they had to provide their own. In nearly all cases, those who were required to run errands or attend meetings away from their place of employment had to provide their own transportation.

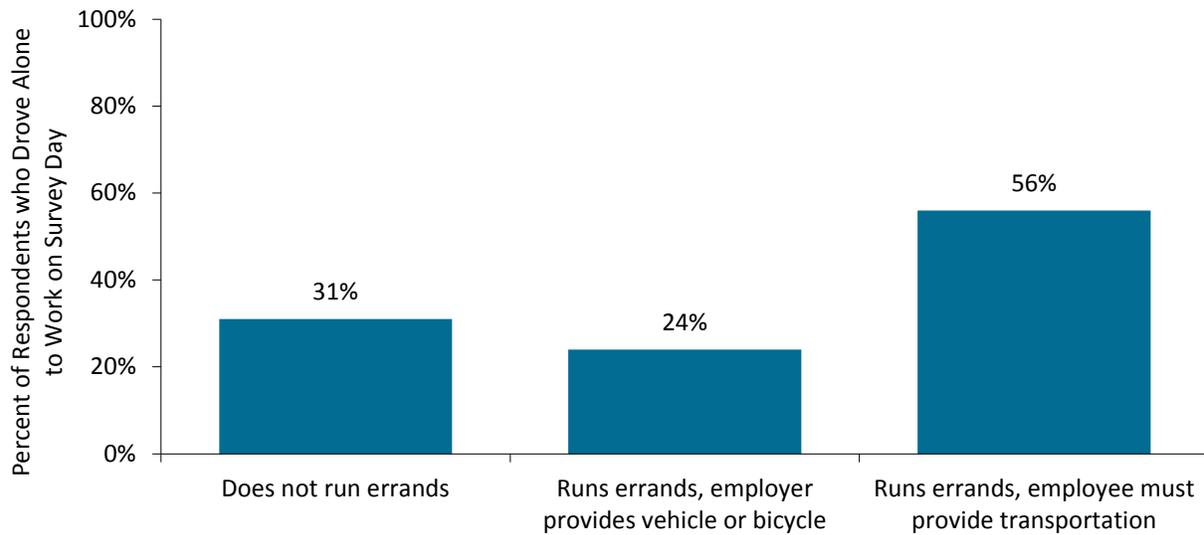
**Figure 27: Travel mode used for work-related errands or attending off-site meetings, 2011-2014**  
(In 2014, only asked of those who did the online survey)

If you run errands or attend meetings for your job, is there a work vehicle available to you or must you provide your own transportation?*	2014 (web only)	2011 web only	2011
I must use my own vehicle or other means of transportation	90%	89%	87%
I use an employer-provided vehicle	4%	5%	6%
I use an employer-provided bicycle	0%	2%	2%
I use a CarShare	2%	>1%	>1%
I use Boulder B-cycle	2%	5%	4%
Other	9%	10%	11%

\* Only asked of respondents who run errands; percents add to more than 100% as respondents could give more than one answer

Those who have to run work-related errands or attend off-site meetings during their workday using their own transportation were more likely to drive alone for their work commute than were those who did not have to make work-related trips during the day, or those who did make those types of trips but could use employer-provided transportation.

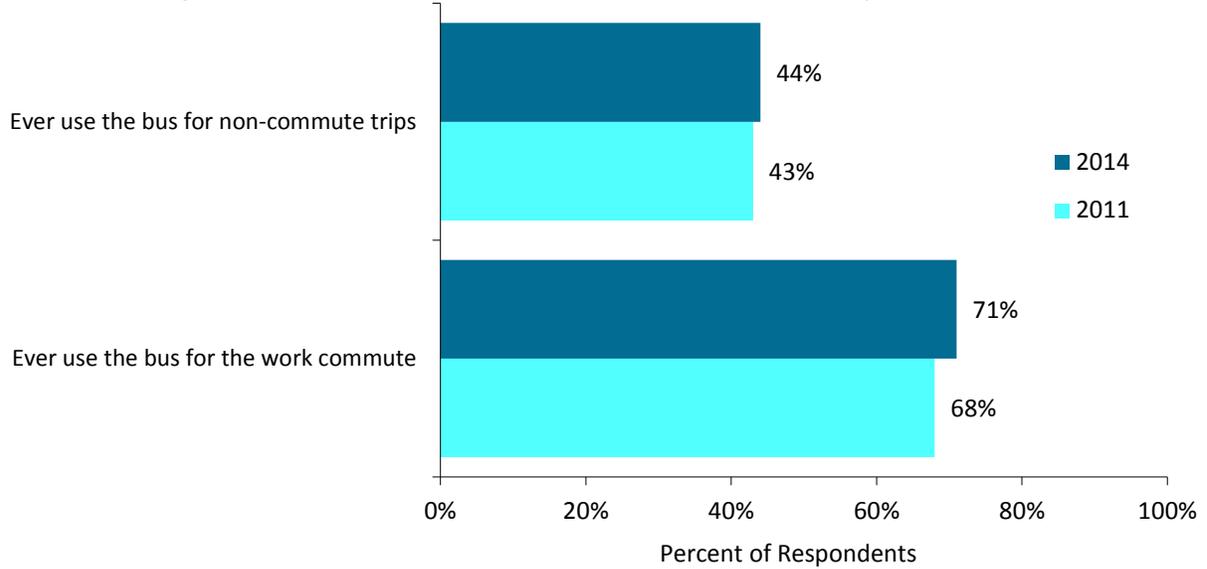
**Figure 28: Travel Mode Used for Work Commute on Survey Day by Vehicle Requirement for Workday Errands and Off-Site Meetings, 2014 (In 2014, only asked of those who did the online survey)**



## Transit Use

About 7 in 10 of surveyed employees reported they ride the bus to work at least occasionally; only 3 in 10 claimed to never use the bus for the work commute (see Figure 29). About two in five respondents reported that, during a typical week, they used the bus for at least one non-commute trip. These proportions were nearly identical to what had been observed in 2011. In 2014, the average number of non-commute trips made on the bus in a typical week was 1.4 trips; among those who said they made at least one bus trip in a typical week the average number of non-work commute bus trips was 3.2 trips.

**Figure 29: Use of Transit for Commute and Non-Commute Trips, 2011-2014**



**Trips to Denver International Airport**

Nearly all of those surveyed (95%) reported going to Denver International Airport (DIA) at least once in the past year, similar to what had been observed among the online respondents in 2011. Of those who made trips to DIA, they averaged 8.3 trips during the past year. Respondents also were asked to indicate what mode they used for each trip to DIA. About 4 in 10 trips were made by driving to or from the airport, and parking at the airport. A quarter of the trips were made by having someone else drop off or pick up the respondent. The skyRide with EcoPass was used for about 3 in 10 trips, skyRide with paid fare or a commercial van service was used for less than 5% of trips. This was similar to what had been observed in 2011.

**Figure 30: Use of skyRide for Trips to Denver International Airport, 2005-2014**  
(In 2014, only asked of those who did the online survey)

	2014 (web only)	2011 web only	2011	2008	2005
Percent of Respondents Going to DIA at Least Once in Past Year	95%	95%	83%	86%	81%
Average Number of Trips to DIA for ALL Respondents	7.9	7.9	6.4	7.3	6.3
Average Number of Trips to DIA for Respondents Who Went at Least Once	8.3	8.5	8.3	9.6	7.5

**Figure 31: Trips to Denver International Airport, 2011-2014**  
(In 2014, only asked of those who did the online survey)

Of these trips {to DIA}, how many did you . . .*	2014 (web only)	2011 web only	2011
Have someone else drop you off or pick you up	24%	25%	26%
Drive and park	43%	39%	35%
Take commercial van service	2%	2%	2%
Take skyRide and paid fare (paid on own or paid by employer)	2%	4%	5%
Take skyRide with EcoPass	29%	31%	32%

**Employees’ EcoPass Status**

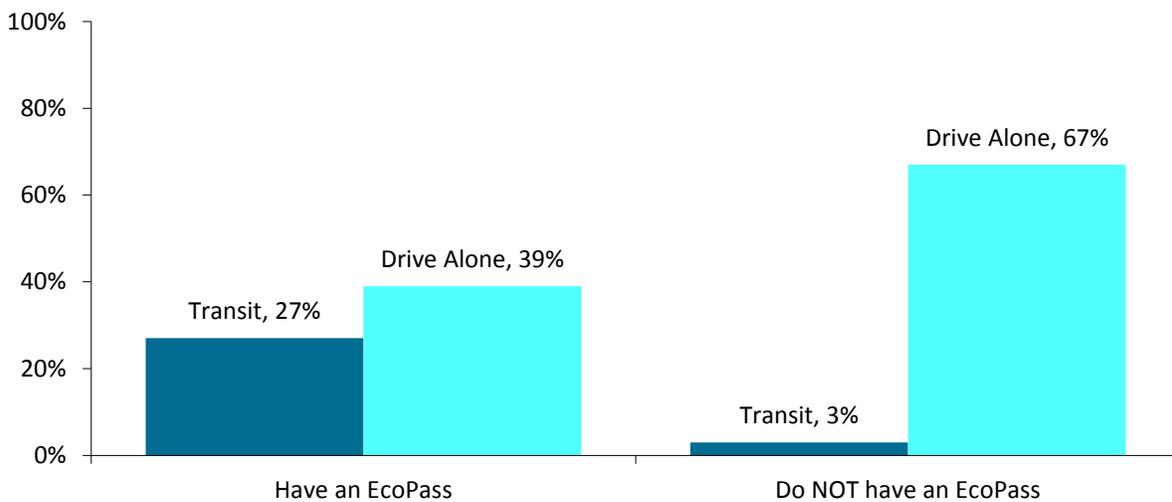
A large majority, 8 in 10, of those completing the survey said they had an EcoPass of some kind. Many (37%) identified their pass as a downtown EcoPass, although 41% said they had obtained one through their employer. Presumably, for these employees, this means they received a downtown pass from their employer because they are within the CAGID boundaries, but did not recognize it as a “downtown” pass.

**Figure 32: EcoPass Status, 1993-2014**

Do you have an EcoPass?	Percent of Respondents								
	2014	2011	2008	2005	2001	1999	1997	1995	1993
Yes, a CU student Buff OneCard	3%	3%	4%	5%	66%	54%	57%	47%	41%
Yes, a CU faculty/staff Buff OneCard	0%	0%	0%	0%					
Yes, a downtown EcoPass	37%	44%	42%	42%					
Yes, through my employer	41%	31%	36%	35%					
Yes, through my neighborhood	2%	2%	0%	0%					
No	16%	20%	17%	18%	34%	46%	43%	53%	59%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

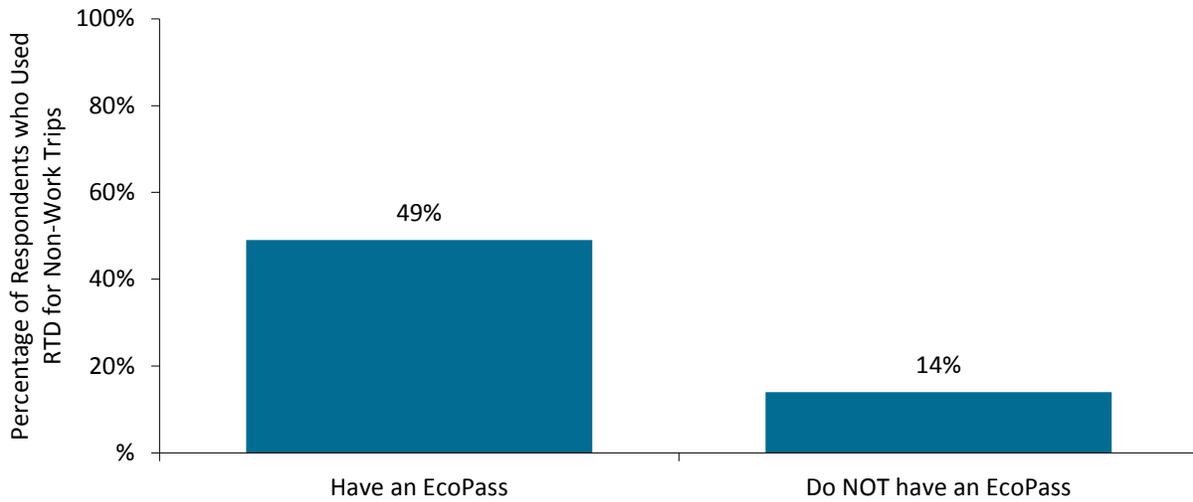
Those who held an EcoPass were much more likely to have used transit to get to work on the day they completed the survey (27%) than those who did not hold an EcoPass (3%). Likewise, those without an EcoPass were more likely to have driven to work alone (67%) compared to those with an EcoPass (39%, see Figure 33).

**Figure 33: Travel Mode Used for Work Commute on Survey Day by EcoPass Status, 2014**



Nearly half (49%) of respondents with an EcoPass reported making non-work related trip using RTD or Light Rail compared to only 14% of respondents without an EcoPass.

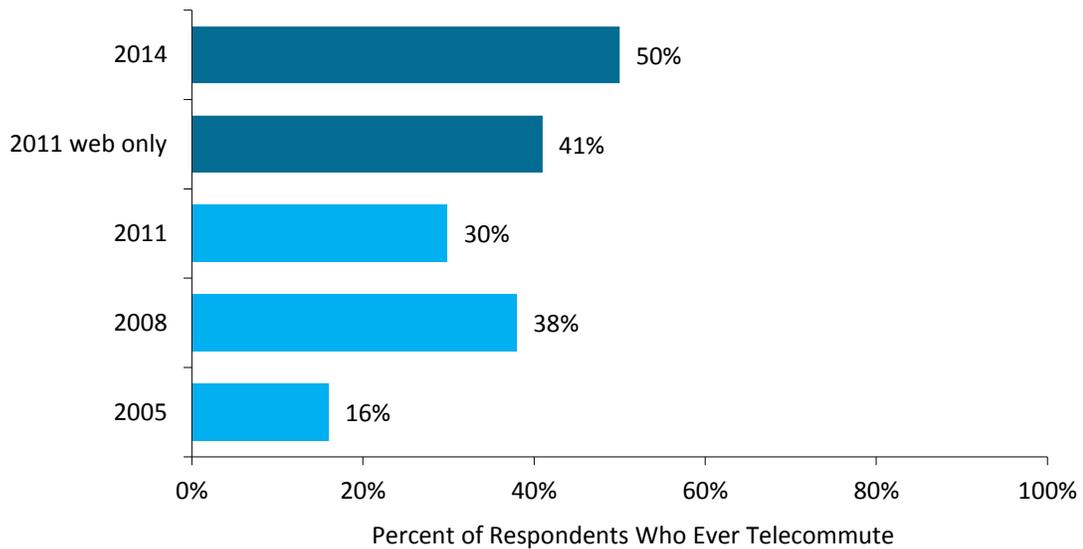
**Figure 34: Use of RTD for Non-Work Related Trips by EcoPass Status, 2014**



## Teleworking

Those completing the questionnaire were provided with a definition of teleworking as when employees work at home instead of going into the office. They were then asked whether they ever teleworked. About half of those participating in the online version of the survey in 2014 reported telecommuting at least occasionally (see Figure 35). This was somewhat higher than the 41% of those who completed the online version of the survey in 2011. About 16% of all online respondents in 2014 reported telecommuting once a week or more, nearly double the 8% who reported doing so in 2011 (see Figure 36).

**Figure 35: Teleworking Status, 2005-2014**  
(In 2014, only asked of those who did the online survey)



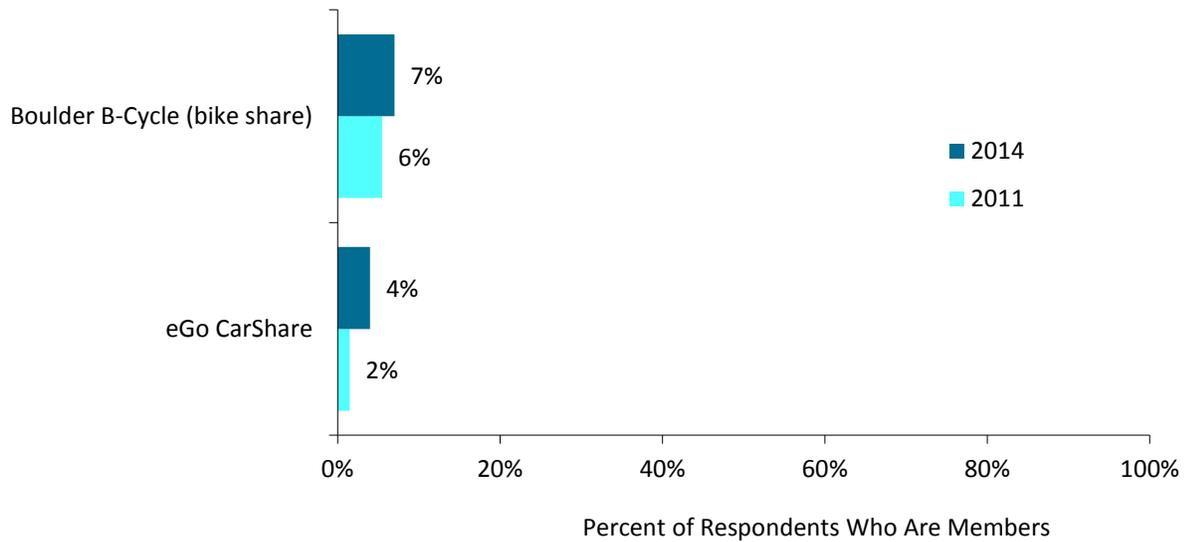
**Figure 36: Frequency of Teleworking, 2005-2014**  
(In 2014, only asked of those who did the online survey)

On average, how often do you telework (work at home instead of going into the office) a month? (Include only full days at home when you did not travel to your work place.)	2014 (web only)	2011 web only	2011	2008	2005
Telecommutes three days a week or more	3%	2%	2%	0%	0%
Telecommutes twice a week	4%	2%	1%	5%	0%
Telecommutes once a week	9%	4%	2%	3%	1%
Telecommutes 1 to 3 days per month	19%	10%	18%	14%	6%
Telecommutes less than once a month	17%	23%	7%	16%	7%
Never telecommutes	50%	59%	70%	62%	84%

### eGo CarShare and Boulder B-Cycle (Bike Share) Membership

Respondents were asked if they were a member of eGo CarShare or of Boulder B-Cycle (bike share). Very few respondents were members of either service, but the proportions had increased since 2011, when the questions were first asked.

**Figure 37: Membership in eGo CarShare and Boulder B-Cycle, 2011-2014**

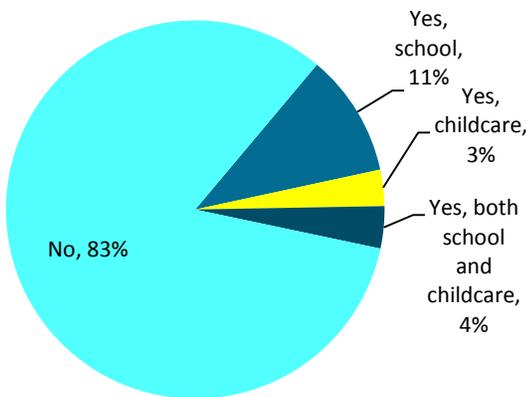


## Child Transportation Issues

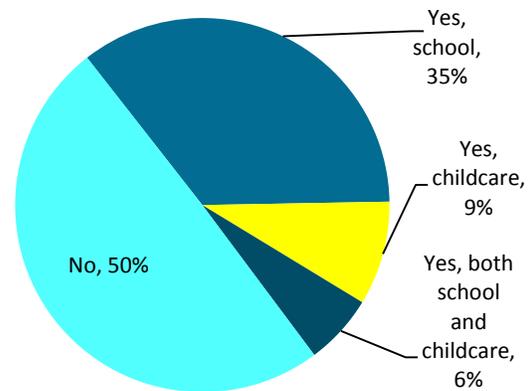
Parents with a child living at home are often responsible for providing transportation for that child to and from school or day care, and will combine this trip with the work commute. This can constrain the travel mode choice for the commute of working parents. Close to 20% (see

Figure 38) of respondents said they were at least sometimes responsible for transporting children to and from school or child care. Half of those surveyed who were at least sometimes responsible for child transportation had taken one or more children to child care or school on the day they completed the questionnaire (see Figure 39). Figure 40 illustrates that a larger proportion of respondents who did not take children to school or child care on the day of the survey used modes **other** than a private vehicle (55%) compared to those who did take children to school or child care (39%).

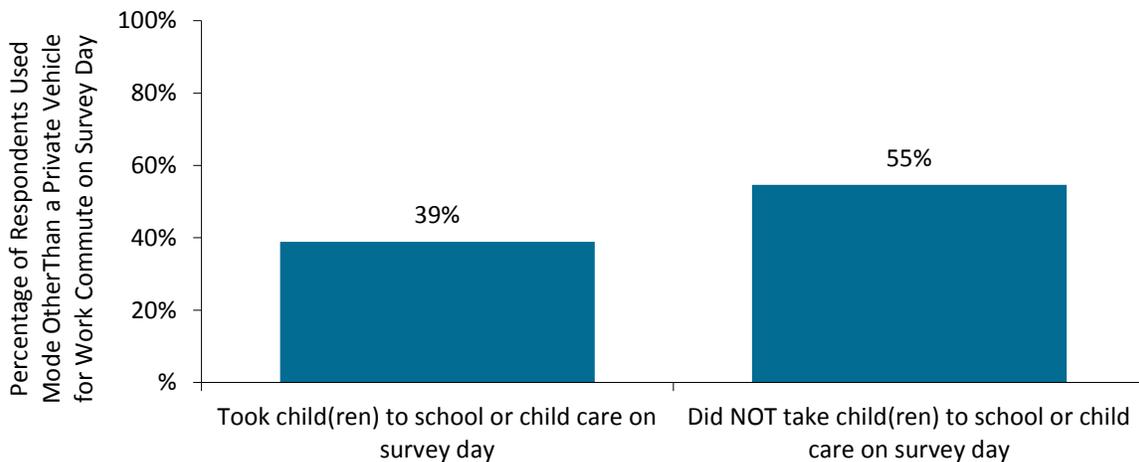
**Figure 38: Responsibility for Child Transportation**  
(In 2014, only asked of those who did the online survey)



**Figure 39: Child Transportation on Survey Day**  
Among Those Sometimes Responsible



**Figure 40: Proportion of Respondents Using Mode Other Than Driving Alone or With Others for the Work Commute on Survey Day by Whether Transported Children, 2014**



The proportion of downtown employees who had child transportation responsibilities had remained relatively stable over the years with a slight increase in 2008 compared to previous survey years (see Figure 41). In 2011, it was seen that the proportion of workers responsible for child transportation was higher among those who completed the online version of the survey than those who completed the hard copy version. In 2014, only those who completed the survey online were asked this question. The proportion was similar to what had been seen among online survey participants in 2011 – about a quarter of respondents had child transportation responsibilities. About 3 in 20 employees took a child or children to school or day care on the day they completed the survey in 2014, similar to what had been observed in 2011 among online respondents.

**Figure 41: Responsibility of Transporting Children to Child care, 1993-2014**  
(In 2014, only asked of those who did the online survey)

Are you responsible at least some of the time for transporting your child(ren) to and/or from school or child care?	2014 (web only)	2011 web only	2011	2008	2005	2001	1999	1997	1995	1993
Yes	27%	23%	17%	17%	13%	10%	12%	14%	10%	12%
No	73%	77%	83%	83%	87%	83%	83%	81%	85%	84%
Sometimes*	N/A	N/A	N/A	N/A	N/A	7%	5%	5%	5%	4%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

\* Was not an option in since 2005.

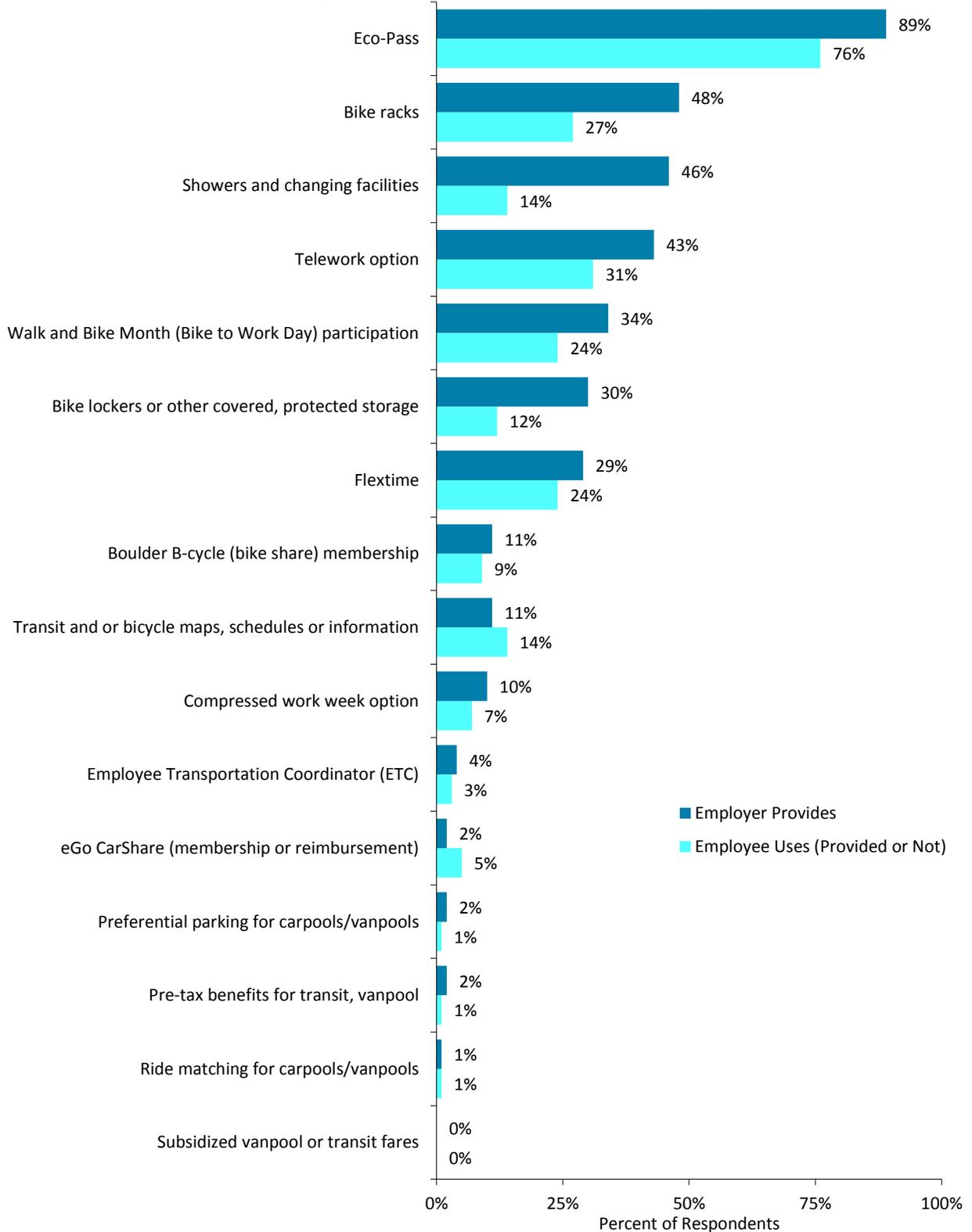
**Figure 42: Child Transportation on Survey Day, 2005-2014**  
(In 2014, only asked of those who did the online survey)

Did you take your child(ren) to school or child care today?	2014 (web only)	2011 web only	2011	2008	2005
Yes	15%	12%	10%	11%	5%
No	85%	88%	90%	89%	95%
Total	100%	100%	100%	100%	100%

## Employer Provided Incentives

Respondents who completed the online survey were asked whether their employer provided a set of incentives or resources for alternative transportation and whether they had themselves used any of the offered incentives. Not surprisingly, the most commonly provided incentive reported by respondents was the EcoPass (89%). Approximately half of employees said their employer provided bike racks, with 3 in 10 saying bike lockers or other protected, covered storage was provided. Nearly half said their employer provided showers and changing facilities. Four in 10 said their employer provided a telework option. About 1 in 10 said a compressed work week option was offered. Subsidized vanpool or transit fares were the only incentives that were not provided to any responding employees.

**Figure 43: Employer Provided Incentives and Use of Incentives, 2014**  
 (In 2014, only asked of those who did the online survey)



**Figure 44: Employer Provided Transportation Incentives, 2008-2014**  
 (In 2014, only asked of those who did the online survey)

For each of the following, please indicate which your employer makes available to you and which you have used in the past 6 months.	Employer Provides			Employee Uses (If Provided)*			Employee Uses (Provided or Not)		
	2014	2011	2008	2014	2011	2008	2014	2011	2008
EcoPass	89%	90%	88%	83%	80%	79%	76%	63%	50%
Bike racks	48%	50%	53%	48%	64%	62%	27%	40%	25%
Showers and changing facilities	46%	38%	47%	41%	37%	47%	14%	17%	8%
Telework option	43%	30%	31%	72%	80%	91%	31%	73%	66%
Walk and Bike Month (Bike to Work Day) participation	34%	47%	47%	36%	60%	69%	24%	41%	29%
Bike lockers or other covered, protected storage	30%	36%	29%	48%	62%	65%	12%	40%	26%
Flextime	29%	30%	39%	61%	74%	86%	24%	64%	55%
Transit and or bicycle maps, schedules or information	11%	19%	20%	74%	71%	79%	14%	56%	44%
Boulder B-cycle (bike share) membership	11%	8%	NA	68%	42%	NA	9%	0%	NA
Compressed work week option	10%	19%	28%	87%	71%	74%	7%	53%	39%
Employee Transportation Coordinator (ETC)	4%	4%	3%	60%	19%	32%	3%	6%	2%
Pre-tax benefits for transit, vanpool	2%	4%	7%	32%	23%	30%	1%	7%	2%
Preferential parking for carpools/vanpools	2%	1%	3%	43%	18%	71%	1%	13%	9%
eGo CarShare (membership or reimbursement)	2%	1%	NA	0%	19%	NA	5%	0%	NA
Ride matching for carpools/vanpools	1%	1%	2%	0%	0%	66%	1%	0%	0%
Subsidized vanpool or transit fares	>1%	0%	4%	38%	0%	27%	0%	0%	0%

\*Responses only from those who indicated their employer provides the option.

## Appendix A: Complete Survey Responses

The following pages contain a complete set of responses to each question on the survey.

**Table 1: Question 1**

How did you get to work today? (Please check all that apply.)	Percent of Respondents*
Drove alone	48%
Drove with at least one other person	9%
Walked	12%
Biked	12%
Rode a bus or buses	26%
Carried a bike on a bus or buses	1%
Used a Park-n-Ride	2%
Worked at home	3%
Other	2%

\*Percents add to more than 100% as respondents could choose more than one answer.

**Table 2: Question 1: Primary mode used for work commute on day completed survey.**

How did you get to work today? (primary mode)	Percent of Respondents
Drove alone	43%
Drove with at least one other person	7%
Walked	8%
Biked	11%
Rode a bus or buses	23%
Multi-mode	2%
Worked at home	2%
Other	1%
Bike and bus	1%
Bike and drive	0%
Total	100%

**Table 3: Question 2**

About how far is your home from work?	Percent of Respondents
0 to 2 miles	27%
3 to 5 miles	23%
6 to 10 miles	12%
11 to 20 miles	23%
more than 20 miles	16%
Total	100%
<b>Average number of miles</b>	<b>11.5 miles</b>

**Table 4: Question 3**

About what time did you leave home for work today?	Percent of Respondents
12:00 to 12:59 AM	0%
1:00 to 1:59 AM	0%
2:00 to 2:59 AM	0%
3:00 to 3:59 AM	0%
4:00 to 4:59 AM	0%
5:00 to 5:59 AM	1%
6:00 to 6:59 AM	6%
7:00 to 7:59 AM	26%
8:00 to 8:59 AM	33%
9:00 to 9:59 AM	14%
10:00 to 10:59 AM	8%
11:00 to 11:59 AM	1%
12:00 to 12:59 PM	7%
1:00 to 1:59 PM	0%
2:00 to 2:59 PM	1%
3:00 to 3:59 PM	0%
4:00 to 4:59 PM	0%
5:00 to 5:59 PM	0%
6:00 to 6:59 PM	0%
7:00 to 7:59 PM	0%
8:00 to 8:59 PM	1%
9:00 to 9:59 PM	0%
10:00 to 10:59 PM	0%
11:00 to 11:59 PM	0%
Total	100%

**Table 5: Question 4**

Did you come straight to work from home today?	Percent of Respondents
Yes	84%
No	16%
Total	100%

**Table 6: Question 4a**

About how many minutes did it take?*	Percent of Respondents
5 minutes or less	6%
6 to 10 minutes	19%
11 to 15 minutes	13%
16 to 20 minutes	12%
21 to 30 minutes	19%
31 to 45 minutes	17%
46 to 60 minutes	9%
More than 60 minutes	6%
Total	100%
<b>Average number of minutes</b>	<b>28.6 minutes</b>

*\*Responses only from those who reported they came straight to work from home*

**Table 7: Question 4b**

About how many stops did you make on your way to work?*	Percent of Respondents
1 stop	65%
2 stops	16%
3 or more stops	19%
Total	100%
<b>Average number of stops</b>	<b>2.0 stops</b>

*\*Responses only from those who reported they did not come straight to work from home*

**Table 8: Question 5**

Yesterday, or on the last day you worked, how many stops did you make on your way home?	Percent of Respondents
0 stops	43%
1 stop	37%
2 stops	12%
3 stops	3%
4 stops	2%
5 or more stops	3%
Total	100%
Average number of stops, all respondents	0.9 stops
Average number of stops, those who made at least one stop	1.6 stops

**Table 9: Question 6**

About what time do you usually arrive at work?	Percent of Respondents
12:00 to 12:59 AM	0%
1:00 to 1:59 AM	0%
2:00 to 2:59 AM	0%
3:00 to 3:59 AM	0%
4:00 to 4:59 AM	1%
5:00 to 5:59 AM	1%
6:00 to 6:59 AM	2%
7:00 to 7:59 AM	8%
8:00 to 8:59 AM	36%
9:00 to 9:59 AM	31%
10:00 to 10:59 AM	15%
11:00 to 11:59 AM	4%
12:00 to 12:59 PM	0%
1:00 to 1:59 PM	1%
2:00 to 2:59 PM	1%
3:00 to 3:59 PM	1%
4:00 to 4:59 PM	0%
5:00 to 5:59 PM	0%
6:00 to 6:59 PM	0%
7:00 to 7:59 PM	0%
8:00 to 8:59 PM	0%
9:00 to 9:59 PM	0%
10:00 to 10:59 PM	0%
11:00 to 11:59 PM	0%
Total	100%

Table 10: Question 7

About what time do you usually leave work?	Percent of Respondents
12:00 to 12:59 AM	0%
1:00 to 1:59 AM	0%
2:00 to 2:59 AM	0%
3:00 to 3:59 AM	0%
4:00 to 4:59 AM	0%
5:00 to 5:59 AM	0%
6:00 to 6:59 AM	0%
7:00 to 7:59 AM	0%
8:00 to 8:59 AM	0%
9:00 to 9:59 AM	0%
10:00 to 10:59 AM	0%
11:00 to 11:59 AM	0%
12:00 to 12:59 PM	1%
1:00 to 1:59 PM	1%
2:00 to 2:59 PM	0%
3:00 to 3:59 PM	4%
4:00 to 4:59 PM	11%
5:00 to 5:59 PM	45%
6:00 to 6:59 PM	18%
7:00 to 7:59 PM	10%
8:00 to 8:59 PM	7%
9:00 to 9:59 PM	0%
10:00 to 10:59 PM	2%
11:00 to 11:59 PM	1%
Total	100%

**Table 11: Question 8**

During a typical work week, how many days do you commute to work in each of the ways listed below?	Average Percent of Commute Trips	Average Number of Days/Trips*
Drive alone	41%	2.21
Drive with at least one other person	8%	0.49
Multi-mode (e.g., car then bus, bike then bus, etc.)	5%	0.35
Walk	8%	0.58
Bike	10%	0.54
Ride a bus(es)	22%	1.21
Compressed work week (i.e., number of days not worked because work longer hours other days)	1%	0.06
Work at home	3%	0.18
Other	1%	0.03
Total	100%	5.65

\* It seems some people enter number of trips, not number of days.

**Table 12: Question 9**  
(Only asked of those who did the online survey)

On average, how often do you telework (work at home instead of going into the office) a month? (Include only full days at home when you did not travel to your work place.)	Percent of Respondents
Never	50%
Less than once a month	19%
1 to 3 days per month	17%
Once a week	9%
Twice a week	4%
Three days a week or more	3%
Total	100%

**Table 13: Question 10**  
**(Only asked of those who did the online survey)**

<b>How many one-way trips did you make during your workday yesterday (or on the last day you worked), not including your work commute?</b>	<b>Percent of Respondents</b>
None	55%
1 trip	8%
2 trips	20%
3 trips	4%
4 trips	9%
5 trips	1%
6 or more trips	3%
Total	100%
<b>Average number of trips, all respondents</b>	<b>1.2 trips</b>
<b>Average number of trips, those making at least one trip</b>	<b>2.7 trips</b>

**Table 14: Question 11 Percent of Trips**  
**(Only asked of those who did the online survey)**

<b>What method(s) of travel was used for these non-commute workday trips during your workday yesterday? Please indicate how many times you used each of the following modes.</b>	<b>Percent of Non-Commute Trips</b>	<b>Percent of Non-Commute Miles</b>
Drove alone	55%	58%
Drive with at least one other person	6%	7%
Used eGo CarShare	0%	1%
Multi-mode (e.g., car then bus, bike then bus, etc.)	0%	0%
Biked	6%	5%
Used Boulder B-cycle	0%	1%
Walked	29%	24%
Rode a bus(es)	3%	3%
Other	1%	2%

**Table 15: Question 12**  
**(Only asked of those who did the online survey)**

<b>About how often do you run work-related errands or attend meetings away from your primary work site?</b>	<b>Percent of Respondents</b>
Daily	9%
Several times a week	17%
About once a week	14%
About once every two weeks	10%
About once a month	11%
Less than once a month	22%
Never	17%
Other (please specify)	0%
Total	100%

**Table 16: Question 13**  
**(Only asked of those who did the online survey)**

<b>If you run errands or attend meetings for your job, is there a work vehicle available to you or must you provide your own transportation?</b>	<b>Percent of Respondents*</b>
I use my own vehicle or other means of transportation	90%
I use an employer-provided vehicle	4%
I use an employer-provided bicycle	0%
I use a CarShare	2%
I use Boulder B-cycle	2%
Other	9%

*\*Percents may add to more than 100% as respondents could give more than one answer.*

**Table 17: Question 14**

<b>When you drive a car to work, where do you usually park?</b>	<b>Percent of Respondents</b>
City lot or city garage with a permit	18%
City lot or city garage with cash or pre-payment	10%
Private lot, private garage or private parking space	17%
On-Street with meter	3%
Residential street, no meter	28%
Other (please specify)	4%
I don't usually drive a car to work	21%
Total	100%

**Table 18: Question 15**

<b>Do you have an Eco-Pass, the annual pass which allows you to ride RTD buses and the Community Transit Network buses (e.g., SKIP, HOP, JUMP, etc.) for no additional charge?</b>	<b>Percent of Respondents</b>
yes, a CU student College Pass	3%
yes, a CU faculty/staff Eco-Pass	0%
yes, a downtown Eco-Pass	37%
yes, through my employer	41%
yes, through my neighborhood	2%
no	16%
Total	100%

**Table 19: Question 16**

<b>Do you ever ride RTD bus(es) to work?</b>	<b>Percent of Respondents</b>
Yes	71%
No	29%
Total	100%

**Table 20: Question 17**

<b>During a typical week, how many one-way trips do you make on an RTD bus or Light Rail that are not for commuting to work but are for pleasure or personal business?</b>	<b>Percent of Respondents</b>
None	56%
1 trip	10%
2 trips	16%
3 trips	3%
4 trips	6%
5 or more trips	9%
Total	100%
<b>Average number of trips, all respondents</b>	<b>1.4 trips</b>
<b>Average number of trips, those making at least one trip</b>	<b>3.2 trips</b>

**Table 21: Question 18**  
(Only asked of those who did the online survey)

<b>During the last year, about how many times have you been to Denver International Airport?</b>	<b>Percent of Respondents</b>
None	5%
One or more times	95%
Total	100%
<b>Average number of trips, those making at least one trip</b>	<b>8.3 trips</b>

**Table 22: Question 18 Percent of Trips**  
(Only asked of those who did the online survey)

<b>Of these trips {to DIA}, how many did you . . .*</b>	<b>Percent of DIA Trips</b>	<b>Number of DIA Trips</b>
Have someone else drop you off or pick you up	24%	1.71
Drive and park	43%	3.93
Take commercial van service	2%	.22
Take skyRide and paid fare (paid on own or paid by employer)	2%	.16
Take skyRide with EcoPass	29%	2.29

*\*Responses are from those who reported going to DIA.*

**Table 23: Question 19**  
(Only asked of those who did the online survey)

Are you responsible at least some of the time for transporting your child(ren) to and/or from school or child care?	Percent of Respondents
Yes, school	17%
Yes, childcare	4%
Yes, both school and childcare	6%
No	73%
Total	100%

**Table 24: Question 20**  
(Only asked of those who did the online survey)

Did you take your child(ren) to school or child care today?*	Percent of Respondents
Yes, school	31%
Yes, childcare	9%
Yes, both school and childcare	17%
No	43%
Total	100%

\*Responses are from those who reported they were ever responsible for transportation children

**Table 25: Question 21**

Are you a full or part-time employee?	Percent of Respondents
Full-time	87%
Part-time	13%
Total	100%

**Table 26: Question 22**

What category best describes your typical work schedule?	Percent of Respondents
Monday through Friday, daytime	57%
Monday through Friday, evenings	1%
Weekends	2%
Rotating/variable schedule	31%
Other (please specify)	10%
Total	100%

**Table 27: Question 23**

<b>What category best describes your job?</b>	<b>Percent of Respondents</b>
Retail/sales	17%
Service/restaurant/delivery	36%
Manufacturing/production/"high-tech"	4%
Office (professional, business, administrative, support)	35%
Medical/dental	0%
Construction/trades/laborer	1%
Other (please specify)	8%
Total	100%

**Table 28: Question 24**

<b>What is your hourly pay rate at this job?</b>	<b>Percent of Respondents</b>
\$7.00 per hour or less	2%
\$7.01 to \$10.00 per hour	8%
\$10.01 to \$12.00 per hour	6%
\$12.01 to \$15.00 per hour	9%
\$15.01 to \$20.00 per hour	13%
\$20.01 to \$25.00 per hour	16%
\$25.01 to \$50.00 per hour	32%
\$50.01 or more per hour	13%
Total	100%
<b>Median hourly pay rate range</b>	<b>\$20.01 to \$25.00 per hour</b>

**Table 29: Question 25**  
**(Only asked of those who did the online survey)**

<b>For each of the following, please indicate which your employer makes available to you and which you have used in the last 6 months</b>			
<b>Employer Provides</b>	<b>Yes</b>	<b>No</b>	<b>Total</b>
Ride matching for carpools/vanpools	1%	99%	100%
Eco-Pass	89%	11%	100%
Subsidized vanpool or transit fares	0%	100%	100%
Pre-tax benefits for transit, vanpool	2%	98%	100%
Showers and changing facilities	46%	54%	100%
Bike lockers or other covered, protected storage	30%	70%	100%
Bike racks	48%	52%	100%
Transit and or bicycle maps, schedules or information	11%	89%	100%
Telework option	43%	57%	100%
Compressed work week option	10%	90%	100%
Flextime	29%	71%	100%
Employee Transportation Coordinator (ETC)	4%	96%	100%
Walk and Bike Month (Bike to Work Day) participation	34%	66%	100%
Preferential parking for carpools/vanpools	2%	98%	100%
Boulder B-cycle (bike share) membership	11%	89%	100%
eGo CarShare (membership or reimbursement)	2%	98%	100%

**Table 30: Question 25**  
**(Only asked of those who did the online survey)**

<b>For each of the following, please indicate which your employer makes available to you and which you have used in the last 6 months. Employee Has Used, If Employer Provides*</b>	<b>Yes</b>	<b>No</b>	<b>Total</b>
Ride matching for carpools/vanpools	0%	100%	100%
Eco-Pass	83%	17%	100%
Subsidized vanpool or transit fares	38%	62%	100%
Pre-tax benefits for transit, vanpool	32%	68%	100%
Showers and changing facilities	41%	59%	100%
Bike lockers or other covered, protected storage	48%	52%	100%
Bike racks	48%	52%	100%
Transit and or bicycle maps, schedules or information	74%	26%	100%
Telework option	72%	28%	100%
Compressed work week option	87%	13%	100%
Flextime	61%	39%	100%
Employee Transportation Coordinator (ETC)	60%	40%	100%
Walk and Bike Month (Bike to Work Day) participation	36%	64%	100%
Preferential parking for carpools/vanpools	43%	57%	100%
Boulder B-cycle (bike share) membership	68%	32%	100%
eGo CarShare (membership or reimbursement)	0%	100%	100%

*\* Only includes responses for each if the employee indicated their employer provides it.*

**Table 31: Question 25**  
**(Only asked of those who did the online survey)**

<b>For each of the following, please indicate which your employer makes available to you and which you have used in the last 6 months. Employee Has Used, Whether or Not Employer Provides</b>	<b>Yes</b>	<b>No</b>	<b>Total</b>
Ride matching for carpools/vanpools	1%	99%	100%
Eco-Pass	76%	24%	100%
Subsidized vanpool or transit fares	0%	100%	100%
Pre-tax benefits for transit, vanpool	1%	99%	100%
Showers and changing facilities	14%	86%	100%
Bike lockers or other covered, protected storage	12%	88%	100%
Bike racks	27%	73%	100%
Transit and or bicycle maps, schedules or information	14%	86%	100%
Telework option	31%	69%	100%
Compressed work week option	7%	93%	100%
Flextime	24%	76%	100%
Employee Transportation Coordinator (ETC)	3%	97%	100%
Walk and Bike Month (Bike to Work Day) participation	24%	76%	100%
Preferential parking for carpools/vanpools	1%	99%	100%
Boulder B-cycle (bike share) membership	9%	91%	100%
eGo CarShare (membership or reimbursement)	5%	95%	100%

**Table 32: Question 26**

Is a car or other motor vehicle usually available to you for commuting to work?	Percent of Respondents
Yes	80%
No	20%
Total	100%

**Table 33: Question 28**

Is this car . . .*	Yes	No	Total
Hybrid (gas/electric)	9%	91%	100%
EV (electric vehicle)	0%	100%	100%
Level 2 EV charger at work?	0%	100%	100%
PZEV (partial zero emissions vehicle)?	3%	97%	100%

*\*This question only asked of those who had a car or other motor vehicle usually available for commuting to work.*

**Table 34: Question 29**

Is a bicycle usually available to you for commuting to work?	Percent of Respondents
Yes	51%
No	49%
Total	100%

**Table 35: Question 30**

Are you a member of eGo CarShare?	Percent of Respondents
Yes	4%
No	96%
Total	100%

**Table 36: Question 31**

Are you a member of Boulder B-cycle (bike share)?	Percent of Respondents
Yes	7%
No	93%
Total	100%

**Table 37: Question 32**

Do you live in Boulder (within the city limits)?	Percent of Respondents
Yes	49%
No	51%
Total	100%

**Table 38: Question 33**

<b>What is your home zip code?</b>	<b>Percent of Respondents</b>
80302 (Boulder)	16%
80304 (Boulder)	12%
80303 (Boulder)	8%
80301 (Boulder)	8%
80305 (Boulder)	7%
80501 (Longmont)	6%
80027 (Louisville/Superior)	6%
80020 (Broomfield/Westminster)	5%
80503 (Longmont/Niwot)	3%
80466 (Nederland)	3%
80516 (Erie/Frederick)	3%
80504 (Longmont/Firestone/Frederick)	3%
Other	22%
<b>Total</b>	<b>100%</b>

**Table 39: Question 35**

<b>Are you a student at CU Boulder?</b>	<b>Percent of Respondents</b>
No	96%
Yes, an undergraduate student	3%
Yes, a graduate student	1%
<b>Total</b>	<b>100%</b>

**Table 40: Question 36**

<b>How much do you anticipate your household's total income before taxes will be for 2014?</b>	<b>Percent of Respondents</b>
Less than \$10,000	5%
\$10,000 to \$19,999	7%
\$20,000 to \$29,999	10%
\$30,000 to \$39,999	9%
\$40,000 to \$49,999	6%
\$50,000 to \$74,999	19%
\$75,000 to \$99,999	12%
\$100,000 to \$149,999	21%
\$150,000 or more	11%
<b>Total</b>	<b>100%</b>
<b>Median Household Income Category</b>	<b>\$50,000 to \$74,999</b>

**Table 41: Question 37**

<b>In which category is your age?</b>	<b>Percent of Respondents</b>
Under 18	1%
18-24 years	14%
25-34 years	32%
35-44 years	17%
45-54 years	13%
55-64 years	20%
65 years or older	3%
Total	100%

**Table 42: Question 38**

<b>What is your gender?</b>	<b>Percent of Respondents</b>
Female	46%
Male	54%
Total	100%

## Appendix B: Verbatim Responses

Following are verbatim responses to open-ended questions. Because these responses were written by survey participants, they are presented here in verbatim form, including any typographical, grammatical or other mistakes. Within each question the responses are in alphabetical order.

### Q1: HOW DID YOU GET TO WORK TODAY? “OTHER” RESPONSES

- Dropped Off by Spouse
- Drove scooter with one other person
- Drove with dog
- Got dropped off at bus station in car
- Light Rail
- LIGHT RAIL
- Moped
- scooter
- Was on travel today. I usually bike.

### Q12: IF YES, (DOES YOUR JOB REQUIRE YOU TO RUN ERRANDS OR ATTEND MEETINGS AWAY FROM THE WORK SITE?) ABOUT HOW OFTEN ARE YOU REQUIRED TO DO SO? “OTHER” RESPONSES

- 4 times per year

### Q15: IF YOU RUN ERRANDS OR ATTEND MEETINGS FOR YOUR JOB, IS THERE A WORK VEHICLE AVAILABLE TO YOU OR MUST YOU PROVIDE YOUR OWN TRANSPORTATION? “OTHER” RESPONSES

- |                                     |                  |
|-------------------------------------|------------------|
| • bike                              | • My bike!       |
| • bike or bus                       | • My Moped       |
| • Bike or Bus, depending on weather | • my own bicycle |
| • BUS                               | • RTD            |
| • Bus                               | • Walk           |
| • Bus                               | • walk           |
| • bus                               | • walk           |
| • Generally walk                    | • walk           |
| • I walk                            | • Walk           |
| • I walk                            | • walk and bus   |
| • I walk                            | • Walk or bus    |
| • I walk or take the bus.           | • walk, bike     |
| • My Bicycle or the Hop             | • Walk, bus      |
| • my bike                           | • walk, HOP      |
| •                                   |                  |

**Q14: WHEN YOU DRIVE TO WORK, WHAT TYPE OF PARKING SPACE DO YOU USUALLY PARK IN? “OTHER”**

**RESPONSES**

- 3 HRS SPOT
- AT WORK
- CITY LOT FREE DAYS
- DO NOT DRIVE
- Don't own a car
- DROPPED OFF
- FREE PARKING
- GET DROPPED OFF
- I drive a moped so I can park that thing wherever there's space. Usually in an alley.
- Leased Space
- not enough spots for our staff, in which case walk from 1/2 mile
- parking at store
- permitted residential street
- Residential driveway of a friend
- Residential street, commuter pass
- WHOLE FOODS

**Q22: WHAT CATEGORY BEST DESCRIBES YOUR TYPICAL WORK SCHEDULE? “OTHER” RESPONSES**

- 4 DAYS
- 4 WEEKDAYS AND SATURDAY
- 7 DAYS, VARIOUS JOBS
- daytimes and evenings and weekends
- Everyday except for Wednesday and Sunday
- FRIDAY THRU TUESDAY DAYTIME
- FT M-F plus 1 day weekend
- M-F day mostly but can vary a few times a month
- MONDAY-SAT. DAYTIME
- MONDAY-SATURDAY ALL DAY
- MON-SAT
- M-Th, daytime
- SHORTDAY 2- 12 HOUR DAYS
- T,TH, SUN.
- Thursday thru monday
- TUE AND THUR. DAY AND SAT. NIGHT
- TUES THRU SAT.
- Tuesday through Saturday
- Tuesday through Saturday, daytime
- TUESDAY TO SATURDAY
- Tuesday-Saturday Daytime
- TUES-SAT
- TUES-SAT
- TUES-SAT
- TUES-SAT DAYTIME
- Tues-Sun day/night
- WED, THURS AM AND WEEKENDS
- wednesday, friday, sunday

**Q23: WHAT CATEGORY BEST DESCRIBES YOUR JOB? “OTHER” RESPONSES**

- Advertising
- Association
- consulting
- Creative
- Design
- Design
- Financial Services
- Graphic design
- investment management
- law
- multimedia
- Multimedia Service Provider
- Publications
- Research
- Scientific Research
- Scientist
- Scientist
- Scientist
- Video Editor
- Video Production
- web
- web design/development
- Web/Digital Design

## Appendix C: Modal Split by Respondent Characteristics

The tables in this Appendix display modal split of the work commute by selected respondent characteristics. Where differences are statistically significant, they are shaded.

Primary work commute mode on day of survey by job classification

Primary work commute mode on day of survey	What category best describes your job?					
	Retail/sales	Service/restaurant /delivery	Manufacturing/pro duction/"high-tech"	Office (professional, business, administrative, support)	Construction/trade s/laborer	Other (please specify)
Drove alone	38%	51%	24%	44%	0%	18%
Drove with at least one other person	9%	7%	3%	10%	0%	2%
Walked	18%	5%	0%	7%	0%	8%
Biked	12%	8%	19%	14%	19%	6%
Rode a bus or buses	13%	28%	40%	19%	81%	46%
Multi-mode	4%	0%	0%	2%	0%	12%
Worked at home	4%	0%	0%	4%	0%	2%
Other	2%	1%	14%	1%	0%	6%
Bike and bus	0%	0%	0%	0%	0%	0%
Bike and drive	0%	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%

Primary work commute mode on day of survey by job status (full-time vs part-time) and hourly pay

Primary work commute mode on day of survey	Are you a full or part-time employee?		What is your hourly pay rate at this job?				
	Full-time	Part-time	\$15.00 per hour or less	\$15.01 to \$20.00 per hour	\$20.01 to \$25.00 per hour	\$25.01 to \$50.00 per hour	\$50.01 or more per hour
Drove alone	41%	49%	27%	42%	42%	53%	49%
Drove with at least one other person	9%	1%	10%	9%	13%	4%	6%
Walked	8%	10%	14%	7%	10%	5%	3%
Biked	11%	11%	12%	3%	6%	7%	32%
Rode a bus or buses	25%	23%	33%	32%	24%	21%	7%
Multi-mode	2%	3%	4%	2%	1%	4%	0%
Worked at home	2%	4%	0%	5%	1%	3%	2%
Other	2%	0%	0%	1%	3%	4%	2%
Bike and bus	0%	0%	0%	0%	0%	0%	0%
Bike and drive	0%	0%	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%	100%

Primary work commute mode on day of survey by distance of commute and place of residence

Primary work commute mode on day of survey	Distance of work commute					Do you live in Boulder (within the city limits)?	
	0 to 2 miles	3 to 5 miles	6 to 10 miles	11 to 20 miles	more than 20 miles	Yes	No
Drove alone	35%	39%	31%	62%	49%	29%	51%
Drove with at least one other person	3%	6%	9%	10%	11%	8%	9%
Walked	28%	2%	2%	0%	0%	15%	1%
Biked	21%	18%	7%	2%	0%	20%	2%
Rode a bus or buses	7%	29%	46%	22%	26%	23%	29%
Multi-mode	1%	1%	0%	2%	7%	2%	4%
Worked at home	1%	2%	5%	1%	6%	1%	4%
Other	3%	4%	0%	1%	2%	3%	1%
Bike and bus	0%	0%	0%	0%	0%	0%	0%
Bike and drive	0%	0%	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%	100%

Primary work commute mode on day of survey by other characteristics

Primary work commute mode on day of survey	Responsible for taking children to school and/or childcare?		Is a car or other motor vehicle usually available to you for commuting to work?		Is a bicycle usually available to you for commuting to work?		Age of Respondent			Gender of Respondent	
	Take children to school and/or childcare	Do NOT take children to school or childcare	Yes	No	Yes	No	under 34 years old	35 to 54 years old	55 years or older	Female	Male
Drove alone	58%	44%	47%	11%	32%	49%	31%	54%	41%	49%	32%
Drove with at least one other person	5%	8%	9%	4%	8%	9%	11%	4%	7%	10%	7%
Walked	1%	10%	5%	20%	9%	7%	13%	2%	5%	10%	6%
Biked	14%	14%	9%	17%	20%	1%	15%	12%	2%	8%	14%
Rode a bus or buses	13%	18%	23%	40%	23%	30%	25%	17%	41%	16%	34%
Multi-mode	3%	1%	3%	2%	4%	1%	2%	6%	0%	2%	4%
Worked at home	0%	3%	2%	1%	2%	3%	1%	3%	4%	3%	2%
Other	6%	2%	1%	6%	3%	1%	3%	1%	0%	1%	2%
Bike and bus	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Bike and drive	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Typical work commute modes by job classification

Typical work commute mode	What category best describes your job?					
	Retail/sales	Service/restaurant /delivery	Manufacturing/pro duction/"high-tech"	Office (professional, business, administrative, support)	Construction/trade s/laborer	Other (please specify)
No trips by driving alone	30%	33%	66%	32%	92%	45%
1 or more trips by driving alone	70%	67%	34%	68%	8%	55%
No trips by car- or vanpooling	84%	68%	82%	79%	100%	78%
1 or more trips by car- or vanpooling	16%	32%	18%	21%	0%	22%
No trips by multi-mode	85%	90%	79%	88%	100%	93%
1 or more trips by multi-mode	15%	10%	21%	12%	0%	7%
No trips by walking	75%	74%	88%	87%	81%	89%
1 or more trips by walking	25%	26%	12%	13%	19%	11%
No trips by biking	79%	80%	57%	75%	81%	87%
1 or more trips by biking	21%	20%	43%	25%	19%	13%
No trips by bus	67%	64%	45%	60%	19%	39%
1 or more trips by bus	33%	36%	55%	40%	81%	61%

Typical work commute modes by job status (full-time vs part-time) and hourly pay

Typical work commute mode	Are you a full or part-time employee?		What is your hourly pay rate at this job?				
	Full-time	Part-time	\$15.00 per hour or less	\$15.01 to \$20.00 per hour	\$20.01 to \$25.00 per hour	\$25.01 to \$50.00 per hour	\$50.01 or more per hour
No trips by driving alone	34%	38%	55%	18%	35%	25%	33%
1 or more trips by driving alone	66%	62%	45%	82%	65%	75%	67%
No trips by car- or vanpooling	75%	83%	75%	81%	68%	76%	90%
1 or more trips by car- or vanpooling	25%	17%	25%	19%	32%	24%	10%
No trips by multi-mode	88%	90%	82%	92%	90%	91%	86%
1 or more trips by multi-mode	12%	10%	18%	8%	10%	9%	14%
No trips by walking	80%	80%	71%	93%	76%	75%	95%
1 or more trips by walking	20%	20%	29%	7%	24%	25%	5%
No trips by biking	75%	91%	82%	85%	85%	70%	64%
1 or more trips by biking	25%	9%	18%	15%	15%	30%	36%
No trips by bus	60%	63%	57%	50%	43%	67%	80%
1 or more trips by bus	40%	37%	43%	50%	57%	33%	20%

Typical work commute modes by distance of commute and place of residence

Typical work commute mode	Distance of work commute					Do you live in Boulder (within the city limits)?	
	0 to 2 miles	3 to 5 miles	6 to 10 miles	11 to 20 miles	more than 20 miles	Yes	No
No trips by driving alone	42%	40%	37%	26%	23%	44%	27%
1 or more trips by driving alone	58%	60%	63%	74%	77%	56%	73%
No trips by car- or vanpooling	69%	81%	79%	81%	80%	77%	84%
1 or more trips by car- or vanpooling	31%	19%	21%	19%	20%	23%	16%
No trips by multi-mode	94%	91%	91%	83%	84%	89%	86%
1 or more trips by multi-mode	6%	9%	9%	17%	16%	11%	14%
No trips by walking	39%	94%	95%	98%	93%	73%	97%
1 or more trips by walking	61%	6%	5%	2%	7%	27%	3%
No trips by biking	48%	58%	89%	98%	96%	65%	95%
1 or more trips by biking	52%	42%	11%	2%	4%	35%	5%
No trips by bus	78%	46%	47%	62%	69%	55%	61%
1 or more trips by bus	22%	54%	53%	38%	31%	45%	39%

Typical work commute modes by other characteristics

Typical work commute mode	Responsible for taking children to school and/or childcare?		Is a car or other motor vehicle usually available to you for commuting to work?		Is a bicycle usually available to you for commuting to work?		Age of Respondent			Gender of Respondent	
	Take children to school and/or childcare	Do NOT take children to school or childcare	Yes	No	Yes	No	under 34 years old	35 to 54 years old	55 years or older	Female	Male
No trips by driving alone	24%	35%	25%	80%	39%	32%	42%	26%	35%	29%	42%
1 or more trips by driving alone	76%	65%	75%	20%	61%	68%	58%	74%	65%	71%	58%
No trips by car- or vanpooling	80%	74%	79%	85%	81%	79%	80%	82%	81%	78%	82%
1 or more trips by car- or vanpooling	20%	26%	21%	15%	19%	21%	20%	18%	19%	22%	18%
No trips by multi-mode	90%	86%	90%	79%	85%	90%	87%	85%	90%	88%	86%
1 or more trips by multi-mode	10%	14%	10%	21%	15%	10%	13%	15%	10%	12%	14%
No trips by walking	94%	71%	88%	73%	83%	87%	76%	93%	92%	78%	90%
1 or more trips by walking	6%	29%	12%	27%	17%	13%	24%	7%	8%	22%	10%
No trips by biking	71%	67%	83%	72%	63%	99%	75%	79%	94%	85%	78%
1 or more trips by biking	29%	33%	17%	28%	37%	1%	25%	21%	6%	15%	22%
No trips by bus	67%	66%	62%	40%	55%	60%	58%	68%	48%	65%	52%
1 or more trips by bus	33%	34%	38%	60%	45%	40%	42%	32%	52%	35%	48%

## Appendix D: Survey Methodology

The Downtown Boulder Employee Transportation Survey has been implemented eight previous times: in 1993, 1995, 1997, 1999, 2001, 2005, 2008 and 2011. In implementations before 2005, the survey administration was handled by a research and evaluation division within the City of Boulder. For the first implementation in 1993, the survey was administered by telephone. In subsequent implementations, however, a drop-off/pick-up methodology was employed, as described below.

Before 2005, data for the Downtown Boulder Employee Transportation Survey was always conducted in the fall months. A similar effort for all Boulder Valley employees was conducted in the summer of the same years. In 2005, it was decided that these efforts could be combined to achieve some cost savings for the involved agencies. The same set of questions were used across all the study groups, to allow comparisons as possible, and to realize the cost-efficiency savings.

### Selecting Employers for the Survey

For the Downtown Boulder sample, a database was available that included nearly all organizations within the CAGID and BID boundaries. A stratified, cluster sampling procedure was used to randomly select companies by number of employees to participate in the study. For the downtown area, 350 employers were selected for the survey from a list of 1,371 organizations.

### Survey Administration

Each organization selected for participation in the study was mailed a letter explaining the importance of the study and asking for participation. The letter was addressed to the contact person listed in the database or the company president or manager. A week after receiving the letter, Lane Landrith from the Downtown Management Commission called the contact person to determine if the company would participate and if they would, to explain the survey procedure. The contact person served as the survey administrator. For many companies, that contact person could send an email invitation to the organization's employees inviting them to participate in an online survey. For some organizations where employees did not have computer access at work, Lane dropped off the surveys to the contact person and explained the importance of random sampling and high response rates. The contact person was then given approximately one to two weeks to administer the surveys, which were then picked up by Lane or one of his assistants. In 2014, the hard copy survey was shortened to be only 2 pages, as there had been complaints in years' past about the length of the survey when administered by pencil and paper.

### Survey Response Rate

Of the 350 employers selected for the survey, once contacted, 82 agreed to participate and provided at least one completed employee survey, for a company response rate of 24%.

A total of 472 completed surveys were collected from downtown employees. Of these, 126 were hard copy surveys and 346 were completed online. The 95% confidence interval ("margin of error") is approximately  $\pm 5\%$ .

Not all employees elected to participate; the average employee response rate was 52%; the overall employee response rate was 34% (calculated as the total number of responses divided by

the total number employees in the companies where at least one employee responded; smaller companies tended to have higher response rates, thus skewing the average company response rate higher). The tables below break down the company response rates and employee response rates within companies by the size of the company (number of employees) and type of company.

**Response rates by number of employees in company**

Number of Employees in Company	Number of Companies Contacted	Company participated?		Company Response Rate	Average Employee Response Rate
		Yes	No		
1-4	191	21	170	11%	71%
5-9	56	24	32	43%	53%
10-19	39	15	24	38%	59%
20-49	33	18	15	55%	30%
50+	5	4	1	80%	15%
Unknown	26	1	25	4%	---
Total	350	83	267	24%	52%

**Response rates by type of company**

Type of Company	Number of Companies Contacted	Company participated?		Company Response Rate	Average Employee Response Rate
		Yes	No		
Creative Marketing/ Web Design	1	0	1	0%	
Government - City/County	2	1	1	50%	31%
Hotel	1	1	0	100%	25%
Non-profit	10	4	6	40%	84%
Office: Architectural/Design/Building	8	1	7	13%	54%
Office: Architectural/Design/Building/Engineering	4	3	1	75%	67%
Office: Consulting	1	0	1	0%	
Office: Creative Services	46	14	32	30%	55%
Office: Financial services	43	10	33	23%	57%
Office: Green/Energy - solar/wind/etc.	6	2	4	33%	45%
Office: Professional Services - Legal/accounting	21	5	16	24%	75%
Office: Professional Services - Legal/Accounting/Real Estate	28	5	23	18%	32%
Office: Technology	37	9	28	24%	57%
Other	24	4	20	17%	57%
Personal Service - Health/Fitness/Spa/Salon	2	1	1	50%	100%
Personal Service - Health/Fitness/Spa/Salon/Therapy/Travel	30	1	29	3%	50%
Personal Service - spa/salon	3	0	3	0%	
Restaurant	34	10	24	29%	22%
Retail	49	12	37	24%	44%
Total	350	83	267	24%	52%

### Employers that Participated in the Survey

The employers that participated in the 2014 Downtown Employee Survey for Transportation are listed below:

- Serac Adventure Films
- Regus
- JVA Inc.
- Flatirons Bank
- Guaranty Bank
- ANB Bank/American National Bank
- Mobile Cause
- HUB Boulder (or Impact HUB Boulder)
- KidDrinx Inc
- Bruce J Oreck, Attorney
- UNICO Properties
- Nature's Own
- Kapos
- Kendall Koenig & Oelsner PC
- Surround Architecture, Inc.
- People Productions
- Wells Fargo Advisors
- MODUS Law (was Stigler Wussow Braverman)
- Parallel Path Internet Marketing
- Conversant Solutions
- Trada, Inc./Palio LLC
- TechStars LLC
- Keen One Foods
- AAIS - American Assoc. Insurance Services
- Core Technologies
- O'Brien Law PC
- Insight Designs Web Solutions
- Southwest Research Inst.
- Consus Corporation
- Gorilla Logic
- Ameriprise Financial Services
- Mark T. Langston & Carol Glassman
- Daniel M. Day & Associates
- Centennial Investment Mgmt
- SendGrid
- Raymond James and Associates/Millstone
- Authentic Asia
- Sakyong Foundation
- Renewable Social Benefits Funds
- Aurora Organic Dairy Corp.
- Mapleton Hill Media
- Mediterranean Restaurant
- Brewers Association
- Barris Laser & Skin Care
- Robinson-Tweedy
- Scottsdale Properties
- Slice of Lime
- Cured Boulder
- West End Wine - 8th Street Wine Library
- eGo Car Share
- Sustainably Built, LLC
- Fuse LLC (co-working labs)
- Pivotal Labs
- Suerte Tequila
- Element Properties
- Conservation Fund
- El Loro Jewelry & Clog
- FirstBank
- Victors & Spoils
- Art Mart, Ltd.
- West Flanders Brewing CO.
- Foolish Craig's Café
- Positive Energy
- Boulder Shambhala Center
- Illegal Pete's
- Pancil
- Sushi Tora
- SALT Boulder Bistro
- Peppercorn
- Starr's Clothing
- Hurdles Jewelry
- University Bicycles
- U.S. Postal Service Boulder Main
- Om Namah
- Pizzeria Locale & IL Caffe
- Into The Wind, Inc.
- Liquor Mart
- Wells Fargo-Canyon
- Wok Eat Colorado
- SPS Studios & Blue Mtn Arts
- Jax Fish House
- Boulderado Hotel

### Data Analysis and Weighting

Completed questionnaires were checked for accuracy by National Research Center, Inc. (NRC) staff. The data were then entered, and the results analyzed by NRC staff using the Statistical Package for the Social Sciences (SPSS).

Due to differential participation and response rates of companies of varying size, a weighting scheme was utilized to ensure greater representation of the workforce. The standard to which these data were weighted was the downtown business database. Thus, after these weights were applied, the employees in the sample represented all of those in the Downtown (as best it can be described) in terms of size of company. The table below shows the results of applying the survey weights.

For the most part, frequency distributions and mean ratings are presented in the body of the report. A complete set of frequencies for each survey question is presented in Appendix A: Complete Survey Responses. In addition, crosstabulations of the modal share of the work commute were created for *Appendix C: Modal Split by Respondent Characteristics*. Statistical tests of significance were conducted to determine the probability of whether differences between respondent subgroups could be considered due to chance alone. Where the probability was less than 5% ( $p < 0.05$ ), differences were considered statistically significant.

**Downtown Employee Survey Weighting Scheme**

<b>Percent of Employees in Businesses:</b>	<b>Downtown Business Database</b>	<b>Unweighted Survey Responses</b>	<b>Weighted Survey Responses</b>
<b>Size</b>			
1 to 4 employees	11.9%	8.7%	10.8%
5 to 9 employees	15.5%	18.0%	16.5%
10 to 19 employees	21.3%	22.9%	19.0%
20 to 49 employees	28.1%	32.0%	25.0%
50+ employees	23.2%	10.4%	20.7%
Unknown size	0.0%	8.1%	8.1%
<b>Type of Business</b>			
Office – Technology	15.6%	20.1%	18.3%
Office – Other	37.9%	44.1%	34.2%
Personal Service	4.2%	0.4%	3.8%
Hotel	3.1%	6.4%	2.7%
Restaurant	25.6%	10.6%	22.8%
Retail	13.6%	13.6%	13.3%
Unknown	0.0%	4.9%	4.9%

## **Appendix E: Survey Instrument**

The following pages contain the survey instrument.

# Boulder Valley Employee Survey 2014

The City of Boulder is conducting a survey of a select number of Boulder Valley employees regarding their transportation needs and behavior. **Information from this survey will help us improve the future transportation options available to employees who work in Boulder.**

If you have more than one job, please answer these questions **ONLY** for the job you do for the employer through which you received this survey.

All of your responses are completely confidential, and will be reported in group form only.

Today's Date: \_\_\_\_\_ / \_\_\_\_\_ /2014      The organization for which you work: \_\_\_\_\_

## Work Commute

1. How did you get to work today?  
(Please check all that apply)

- Drove alone
- Drove with at least one other person →  
how many others total? ..... \_\_\_\_\_  
how many under 16 years old? ..... \_\_\_\_\_
- Walked
- Biked
- Rode a bus or buses
- Carried a bike on a bus or buses
- Used a Park-n-Ride
- Worked at home
- Other \_\_\_\_\_

2. About how far is your home from work? ..... \_\_\_\_\_ miles

3. About what time did you leave home for work today? ..... \_\_\_\_\_ AM/PM

4. Did you come straight to work from home today?

- Yes → About how many minutes did it take? ..... \_\_\_\_\_ min
- No → How many stops did you make on your way to work? ..... \_\_\_\_\_ stops

5. Yesterday, or on the last day you worked, how many stops did you make on your way home? ..... \_\_\_\_\_ stops

6. About what time do you usually arrive at work? ..... \_\_\_\_\_ AM/PM

7. About what time do you usually leave work? ..... \_\_\_\_\_ AM/PM

8. During a typical week, how many days do you commute to work in each of the ways listed below?

- Drive alone ..... \_\_\_\_\_
- Drive with at least one other person ..... \_\_\_\_\_
- Multi-mode (e.g., car then bus, bike then bus, etc.) ..... \_\_\_\_\_
- Walk ..... \_\_\_\_\_
- Bike ..... \_\_\_\_\_
- Ride a bus(es) ..... \_\_\_\_\_
- Compressed work week ..... \_\_\_\_\_  
(i.e., number of days not worked because work longer hours other days)
- Work at home ..... \_\_\_\_\_  
(only count those days where you work at home INSTEAD of commuting to work)
- Other ..... \_\_\_\_\_

## Teleworking

9. On average, how often do you telework (work at home instead of going into the office) a month? (Include only full days at home when you did not travel to your work place.)

- Never
- Less than once a month
- 1 to 3 days per month
- Once a week
- Twice a week
- Three days a week or more

## Work Day Trips

10. How many one-way trips did you make during your workday yesterday (or on the last day you worked), not including your work commute.

(Please include trips made for lunch, meetings, or errands – personal or work-related. A round trip counts as 2 one-way trips. For example, a round trip to and from lunch is 2 one-way trips. Each time you went to a different location is one trip. Record zero if no workday trips were taken besides your work commute.)

\_\_\_\_\_ *workday one-way trips*

*If you made no trips yesterday during the workday, please go to question #12*

11. What method(s) of travel was used for these non-commute workday trips during your workday yesterday? Please indicate how many times you used each of the following modes, and then how many miles you drove each mode yesterday.

	<u># of trips</u>	<u># of miles</u>
Drove alone. _____	_____	_____
Drove with at least one other person. _____	_____	_____
Used a CarShare. _____	_____	_____
Multi-mode (e.g., car then bus, bike then bus, etc.) _____	_____	_____
Biked. _____	_____	_____
Used Boulder B-cycle. _____	_____	_____
Walked. _____	_____	_____
Rode a bus(es) _____	_____	_____
Other. _____	_____	_____

12. About how often do you run work-related errands or attend meetings away from your primary work site?

- Daily
- Several times a week
- About once a week
- About once every two weeks
- About once a month
- Less than once a month
- Never → *go to question #14*
- Other \_\_\_\_\_

13. If you run errands or attend meetings for your job, is there a work vehicle available to you or do you provide your own transportation?  
(Please check all that apply.)

- I use my own vehicle or other means of transportation
- I use an employer-provided vehicle
- I use an employer-provided bicycle
- I use a CarShare
- I use Boulder B-cycle
- Other \_\_\_\_\_

## Parking

14. When you drive a car to work, where do you usually park?

- City lot or city garage with a permit
- City lot or city garage with cash or pre-payment
- Private lot, private garage or private parking space
- On-Street with meter
- Residential street, no meter
- Other \_\_\_\_\_
- I don't usually drive a car to work

## Transit

15. Do you have an Eco-Pass, the annual pass which allows you to ride RTD buses and the Community Transit Network buses (e.g., SKIP, HOP, JUMP, etc.) for no additional charge?

- Yes, a CU student College Pass
- Yes, a CU faculty/staff Eco-Pass
- Yes, a downtown Eco-Pass
- Yes, through my employer
- Yes, through my neighborhood
- No

16. Do you ever ride a bus to work?

- Yes
- No

17. During a typical week, how many one-way trips do you make on an RTD bus or Light Rail that are not for commuting to work but are for pleasure or personal business?

(Each time you go to a different location is one trip. A transfer to another bus is part of the same trip and does not count as another trip. A round trip counts as two one-way trips).

Record zero if no non-work bus trips are taken during a typical week.

\_\_\_\_\_ *one-way bus trips (not for work)*

18. During the last year, about how many times have you been to Denver International Airport?

- None → go to question #19
- One or more times →  
About how many times did you go either to or from the airport (i.e., how many one-way trips)?.. \_\_\_\_\_

Of these trips, how many did you:

- Have someone else drop you off..... \_\_\_\_\_
- Drive and park..... \_\_\_\_\_
- Take commercial van service..... \_\_\_\_\_
- Take skyRide and paid fare (paid on own or paid by employer) ..... \_\_\_\_\_
- Take skyRide with EcoPass ..... \_\_\_\_\_

**Child Care**

19. Are you responsible for at least some of the time for transporting your child(ren) to and/or from school or child care?

- Yes, school
- Yes, childcare
- Yes, both school and childcare
- No → go to question #21

20. Did you take your child(ren) to school or child care today?

- Yes, school
- Yes, childcare
- Yes, both school and childcare
- No

**About Your Job**

21. Are you a full or part-time employee?

- Full-time
- Part-time

22. What category best describes your typical work schedule?

- Monday through Friday, daytime
- Monday through Friday, evenings
- Weekends
- Rotating/variable schedule
- Other \_\_\_\_\_

23. What category best describes your job?

- Retail/sales
- Service/restaurant/delivery
- Manufacturing/production/"high-tech"
- Office (professional, business, administrative, support)
- Medical/dental
- Construction/trades/laborer
- Other

24. What is your hourly pay rate at this job?

(Please include the value of any tips or commissions you receive. If you are paid an annual salary, estimate your hourly rate by dividing by 2,080 work hours per year.)

- \$7.00 per hour or less
- \$7.01 to \$10.00 per hour
- \$10.01 to \$12.00 per hour
- \$12.01 to \$15.00 per hour
- \$15.01 to \$20.00 per hour
- \$20.01 to \$25.00 per hour
- \$25.01 to \$50.00 per hour
- \$50.01 or more per hour

25. For each of the following, please indicate which your employer makes available to you and which you have used in the past 6 months.

	Employer Provides?		Used in last 6 months?	
	Yes	No	Yes	No
Ride matching for carpools/vanpools.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EcoPass.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subsidized vanpool or transit fares.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-tax benefits for transit, vanpool.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit and or bicycle maps, schedules or information .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bike racks.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bike lockers or other covered, protected storage ....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Showers and changing facilities .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Telework option.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compressed work week option.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flextime.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employee Transportation Coordinator (ETC).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Walk and Bike Month (Bike to Work Day) participation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preferential parking for carpools/vanpools.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boulder B-cycle (bike share) membership.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
eGo CarShare (membership or reimbursement) .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## About You and Your Household

26. Is a car or other motor vehicle usually available to you for commuting to work?

- Yes       No → go to question #29

27. What is the year, make and model of the vehicle you usually drive to work?

\_\_\_\_\_ year

\_\_\_\_\_ make

\_\_\_\_\_ model

28. Is this car . . .      yes      no

Hybrid (gas/electric) .....      

EV (electric vehicle) .....      

Level 2 EV charger at work? .....      

PZEV (partial zero emissions vehicle)? ...      

29. Is a bicycle usually available to you for commuting to work?

- Yes       No

30. Are you a member of eGo CarShare or any other car share program?

- Yes       No

31. Are you a member of Boulder B-cycle (bike share)?

- Yes       No

32. Do you live in Boulder (within the city limits)?

- Yes       No

33. What is your home zip code? ... \_\_\_\_\_

34. What is the intersection nearest to your home?

\_\_\_\_\_

& \_\_\_\_\_

35. Are you a student at CU Boulder?

- Yes, an undergraduate student  
 Yes, a graduate student  
 No

36. How much do you anticipate your household's total income before taxes will be for 2014?  
(Please include income from all sources for all persons living in your household.)

- Less than \$10,000  
 \$10,000 to \$19,999  
 \$20,000 to \$29,999  
 \$30,000 to \$39,999  
 \$40,000 to \$49,999  
 \$50,000 to \$74,999  
 \$75,000 to \$99,999  
 \$100,000 to \$149,999  
 \$150,000 or more

37. In which category is your age?

- Under 18  
 18-24 years  
 25-34 years  
 35-44 years  
 45-54 years  
 55-64 years  
 65 years or older

38. What is your gender?

- Female  
 Male

Thank you very much for completing this survey!

Please fold the survey, staple or tape it and return it to your organization's contact person for pick-up by a staff member from National Research Center.

You can also mail it to:

National Research Center, Inc.  
2955 Valmont Road, Suite 300  
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# Boulder Valley Employee Survey 2014

The City of Boulder is asking Boulder Valley employees questions about how they get to and from work. The answers will be used to improve the transportation system in Boulder and between Boulder and other communities.

Knowing about the travel experiences of employees who work in Boulder is important for transportation planning about work-related trips. We want to hear from you!

If you have more than one job, please answer these questions ONLY for the job you do for the employer through which you received this survey.

All of your responses are completely confidential, and will be reported in group form only.

Today's Date: \_\_\_\_\_ / \_\_\_\_\_ /2014      The organization for which you work: \_\_\_\_\_

## Work Commute

1. How did you get to work today? (Please check all that apply)

- Drove alone
- Drove with at least one other person →  
     *how many others total?.....* \_\_\_\_\_  
     *how many under 16 years old? ...* \_\_\_\_\_
- Walked
- Biked
- Rode a bus or buses
- Carried a bike on a bus or buses
- Used a Park-n-Ride
- Worked at home
- Other \_\_\_\_\_

2. About how far is your home from work? ..... \_\_\_\_\_ miles

3. About what time did you leave home for work today?..... \_\_\_\_\_ AM/PM

4. Did you come straight to work from home today?

- Yes → About how many minutes did it take?.. \_\_\_\_\_ min
- No → How many stops did you make on your way to work?..... \_\_\_\_\_ stops

5. Yesterday, or on the last day you worked, how many stops did you make on your way home?..... \_\_\_\_\_ stops

6. About what time do you usually arrive at work? ..... \_\_\_\_\_ AM/PM

7. About what time do you usually leave work? ..... \_\_\_\_\_ AM/PM

8. During a typical week, how many days do you commute to work in each of the ways listed below?

- Drive alone... \_\_\_\_\_
- Drive with at least one other person... \_\_\_\_\_
- Multi-mode (e.g., car then bus, bike then bus, etc.)... \_\_\_\_\_
- Walk... \_\_\_\_\_
- Bike... \_\_\_\_\_
- Ride a bus(es)... \_\_\_\_\_
- Compressed work week... \_\_\_\_\_  
*(i.e., number of days not worked because work longer hours other days)*
- Work at home... \_\_\_\_\_  
*(only count those days where you work at home INSTEAD of commuting to work)*
- Other... \_\_\_\_\_

## Parking

9. When you drive a car to work, where do you usually park?

- City lot or city garage with a permit
- City lot or city garage with cash or pre-payment
- Private lot, private garage or private parking space
- On-street with meter
- Residential street, no meter
- Other \_\_\_\_\_
- I don't usually drive a car to work

## Transit

10. Do you have an Eco-Pass, the annual pass which allows you to ride RTD buses and the Community Transit Network buses (e.g., SKIP, HOP, JUMP, etc.) for no additional charge?

- Yes, a CU student College Pass
- Yes, a CU faculty/staff Eco-Pass
- Yes, a downtown Eco-Pass
- Yes, through my employer
- Yes, through my neighborhood
- No

11. Do you ever ride a bus to work?

- Yes  No

12. During a typical week, how many one-way trips do you make on an RTD bus or Light Rail that are not for commuting to work but are for pleasure or personal business?

(Each time you go to a different location is one trip. A transfer to another bus is part of the same trip and does not count as another trip. A round trip counts as two one-way trips). Record zero if no non-work bus trips are taken during a typical week.

\_\_\_\_\_ one-way bus trips

**About Your Job**

13. Are you a full or part-time employee?

- Full-time  Part-time

14. What category best describes your typical work schedule?

- Monday through Friday, daytime
- Monday through Friday, evenings
- Weekends
- Rotating/variable schedule
- Other \_\_\_\_\_

15. What category best describes your job?

- Retail/sales
- Service/restaurant/delivery
- High-tech
- Manufacturing/production
- Office (professional, business, administrative, support)
- Medical/dental
- Construction/trades/laborer
- Other

16. What is your hourly pay rate at this job?

(Please include the value of any tips or commissions you receive. If you are paid an annual salary, estimate your hourly rate by dividing by 2080 work hours per year.)

- \$7.00 per hour or less
- \$7.01 to \$10.00 per hour
- \$10.01 to \$12.00 per hour
- \$12.01 to \$15.00 per hour
- \$15.01 to \$20.00 per hour
- \$20.01 to \$25.00 per hour
- \$25.01 to \$50.00 per hour
- \$50.01 or more per hour

**About You and Your Household**

17. Is a car or other motor vehicle usually available to you for commuting to work?

- Yes  No → go to question #20

18. What is the year, make and model of the vehicle you usually drive to work?

\_\_\_\_\_ year \_\_\_\_\_ make \_\_\_\_\_ model

19. Is this car . . .

**yes** **no**

- Hybrid (gas/electric) .....
- EV (electric vehicle) .....
- Level 2 EV charger at work? .....
- PZEV (partial zero emissions vehicle)? ...

20. Is a bicycle usually available to you for commuting to work?

- Yes  No

21. Are you a member of eGo CarShare or any other car share program?

- Yes  No

22. Are you a member of Boulder B-cycle (bike share)?

- Yes  No

23. Do you live in Boulder (within the city limits)?

- Yes  No

24. What is your home zip code? .... \_\_\_\_\_

25. Are you a student at CU Boulder?

- Yes, an undergraduate student
- Yes, a graduate student
- No

26. How much do you anticipate your household's total income before taxes will be for 2014?

(Please include income from all sources for all persons living in your household.)

- Less than \$10,000
- \$10,000 to \$19,999
- \$20,000 to \$29,999
- \$30,000 to \$39,999
- \$40,000 to \$49,999
- \$50,000 to \$74,999
- \$75,000 to \$99,999
- \$100,000 to \$149,999
- \$150,000 or more

27. In which category is your age?

- Under 18
- 18-24 years
- 25-34 years
- 35-44 years
- 45-54 years
- 55-64 years
- 65 years or older

28. What is your gender?

- Female  Male

Thank you very much for completing this survey!  
Please fold the survey, staple or tape it and return it to your organization's contact person for pick-up by a staff member from National Research Center.

You can also mail it to:

National Research Center, Inc.

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