Washington State Department of Transportation

Employer ID: E31013

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E31013
Employer : Servatron Inc
Worksite :
Street : 12825 E Mirabeau Pkwy Suite 104
Jurisdiction : City of Spokane Valley
Survey Type : Paper
Survey Date : 5/16/2017
Response Rate : 92%

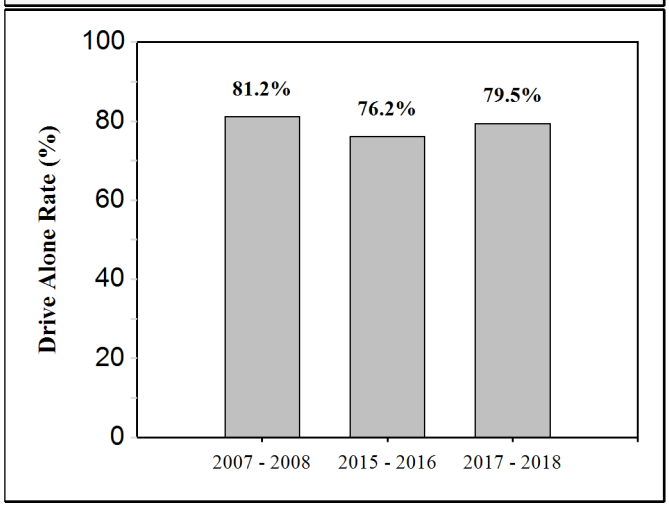
Drive Alone & One-Way VMT Rates at this Worksite

Drive Alone : 79.5%
One-Way VMT per employee : 9.6

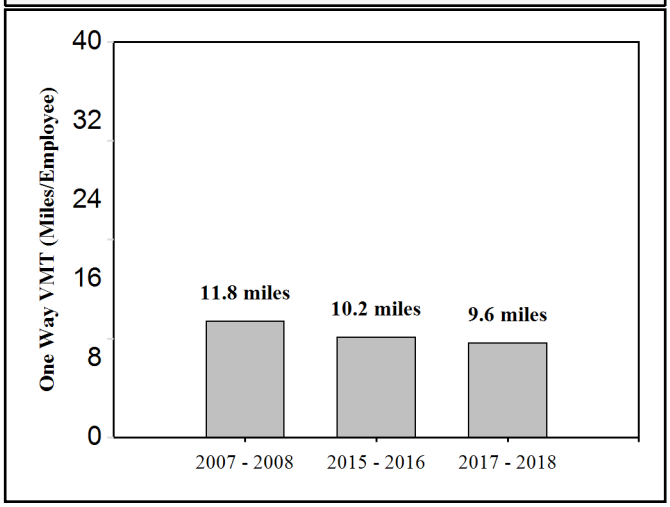
Employees and Survey Response Information

Reported Total Employees at Worksite: 159
Surveys Distributed : 140
Surveys Returned : 129
Surveys Returned by CTR Affected Employees : 120
Total Estimated CTR - Affected Employees at Worksite : 130

Drive Alone - All Employees



One Way VMT per Employee - All Employees



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	81.2%	81.6%	11.8	11.8
2009 - 2010	70.9%	73.7%	10.0	10.5
2011 - 2012	78.1%	78.9%	10.7	11.3
2013 - 2014	71.1%	70.4%	9.4	8.8
2015 - 2016	76.2%	75.3%	10.2	10.3
2017 - 2018	79.5%	78.9%	9.6	9.7
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	-2.1%	-3.3%	-18.6%	-17.8%

Report generated on 8/30/2017

Washington State Department of Transportation

Employer ID: E31013

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2015 - 2016	2017 - 2018
Drive Alone - All Employees*	81.2%	76.2%	79.5%
Drive Alone - CTR Affected Employees*	81.6%	75.3%	78.9%
VMT/Employee - All Employees	11.8	10.2	9.6
VMT/Employees - CTR Affected Employees	11.8	10.3	9.7

** Drive alone rate includes one person motorcycles.*

Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO2e) for Roundtrip Commute*

Value	2007 - 2008	2015 - 2016	2017 - 2018
Emissions for Surveyed Employees	356	294	272
Estimated Emissions for Total Employment	374	319	336

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2015 - 2016	2017 - 2018
Bus Annual Passenger Miles - Estimated for Total Employment	14,721	0	0
Bus Annual Passenger Miles - Surveyed Employees	14,000	0	0
Ferry Annual Passenger Miles - Estimated for Total Employment	0	0	0
Ferry Annual Passenger Miles - Surveyed Employees	0	0	0
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	0	0	0
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	0	0	0

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO2e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO2e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO2e emissions per passenger mile for train/light rail/streetcar.

Q3.

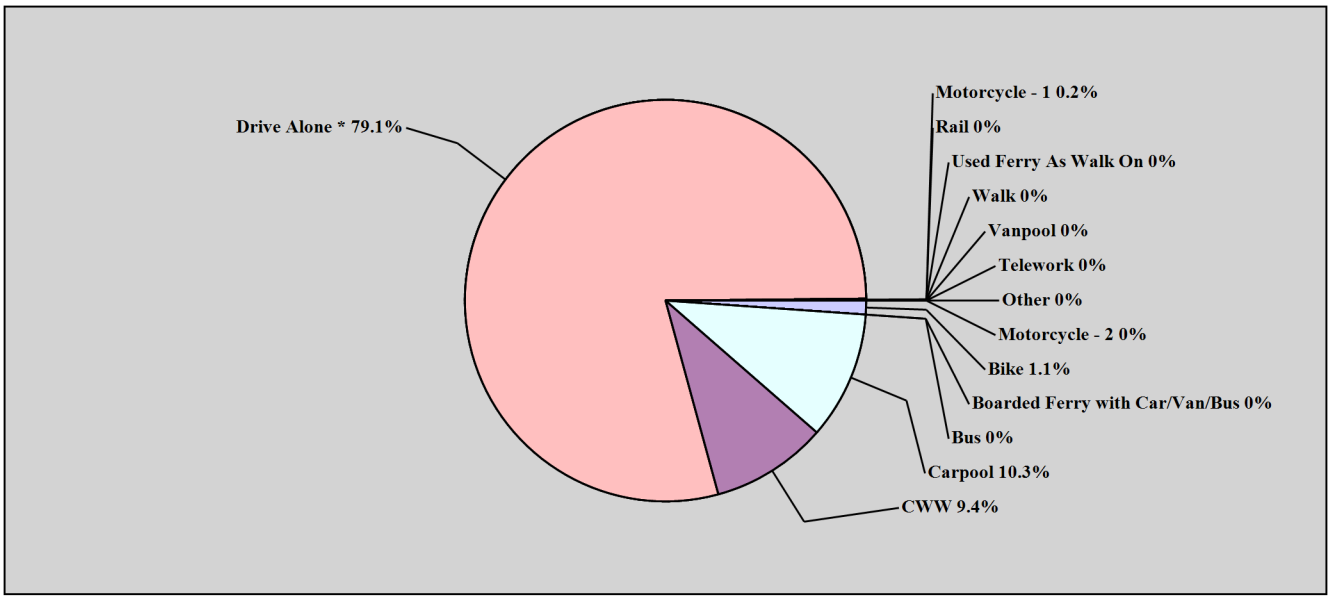
One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 11.3 miles

Washington State Department of Transportation

Employer ID: E31013

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	499	79.1%	73.4%	115	89.1%	84.3%
Carpool	65	10.3%	10.4%	16	12.4%	12.1%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Motorcycle - 1	1	0.2%	2.8%	1	0.8%	3.6%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	0	0.0%	0.0%	0	0.0%	0.0%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	7	1.1%	2.0%	2	1.6%	2.9%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	0	0.0%	0.0%	0	0.0%	0.0%
CWW	59	9.4%	11.4%	59	45.7%	55.7%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	0	0.0%	0.0%	0	0.0%	0.0%

** Drive alone mode includes fill-in, where applicable.*

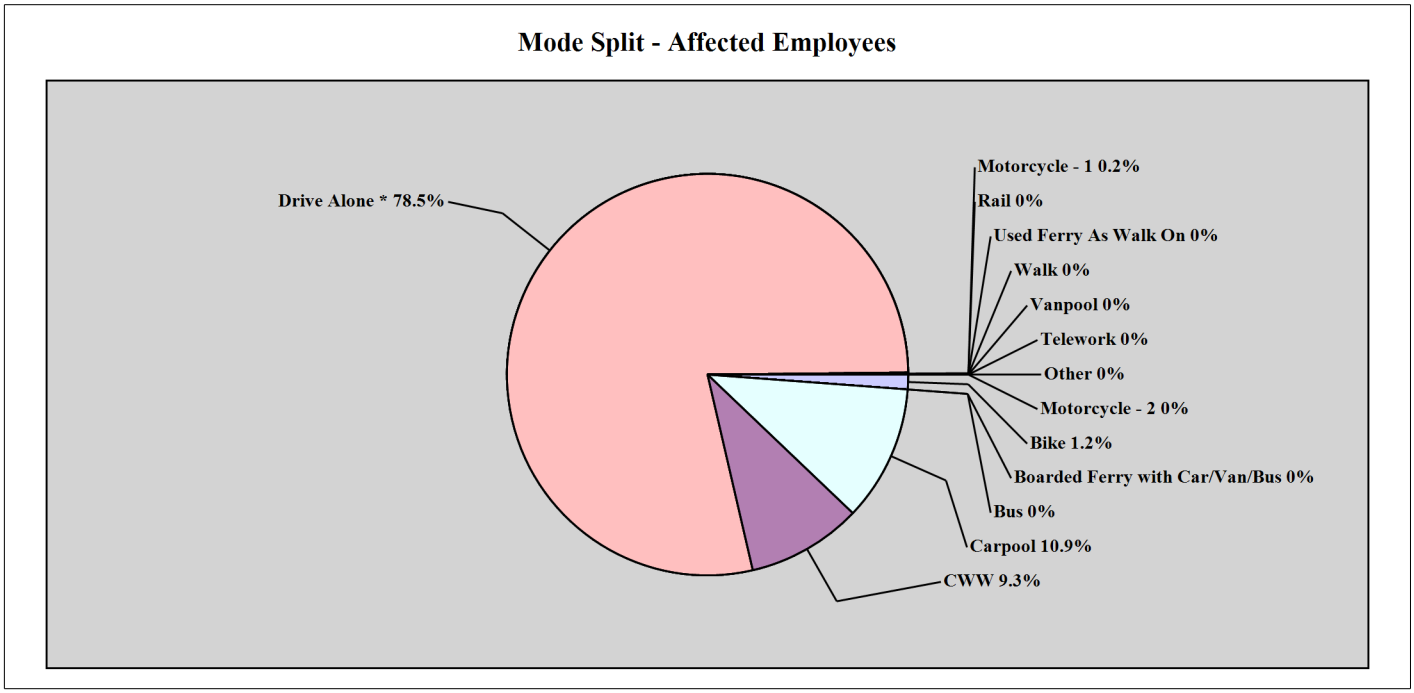
Report generated on 8/30/2017

Washington State Department of Transportation

Employer ID: E31013

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	466	78.5%	72.9%	106	88.3%	83.5%
Carpool	65	10.9%	11.5%	16	13.3%	13.4%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Motorcycle - 1	1	0.2%	2.4%	1	0.8%	3.2%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	0	0.0%	0.0%	0	0.0%	0.0%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	7	1.2%	2.3%	2	1.7%	3.2%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	0	0.0%	0.0%	0	0.0%	0.0%
CWW	55	9.3%	11.0%	55	45.8%	53.5%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	0	0.0%	0.0%	0	0.0%	0.0%

** Drive alone mode includes fill-in, where applicable.*

Report generated on 8/30/2017

Washington State Department of Transportation

Employer ID: E31013

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	60	47%	129	100%
1 Days	52	40%	69	53%
2 Days	1	1%	17	13%
3 Days	1	1%	16	12%
4 Days	1	1%	15	12%
5 Days	14	11%	14	11%
6 or More Days	0	0%	0	0%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	42	80.8%	3	5.8%	0	0%	6	11.5%	0	0%	0	0%	1	1.9%	0	0%	7	13.5%
4 days a week (4/10s)	9	12.3%	54	74%	0	0%	7	9.6%	0	0%	0	0%	1	1.4%	0	0%	8	11%
3 days a week	0	0%	2	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
9 days in 2 weeks (9/80)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%

Count by Occupancy of Carpools, Vanpools, and Motorcycles

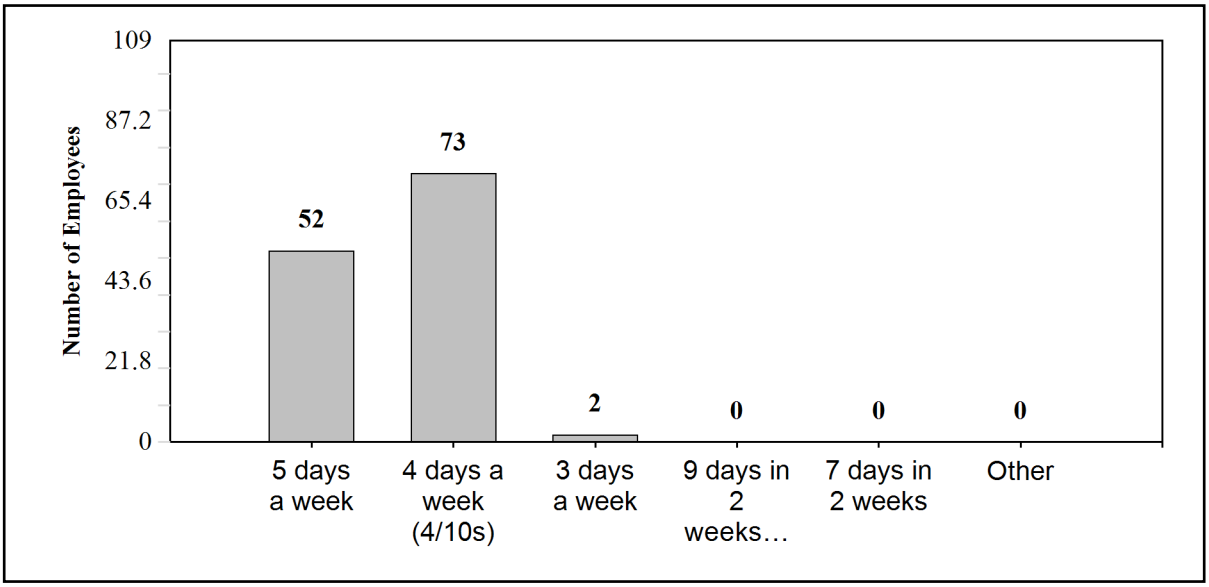
Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	8
2	Motorcycle	0
2	Carpool	64
3	Carpool	0
4	Carpool	0
5	Carpool	1
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

Q.5 Which of the following best describes your work schedule?

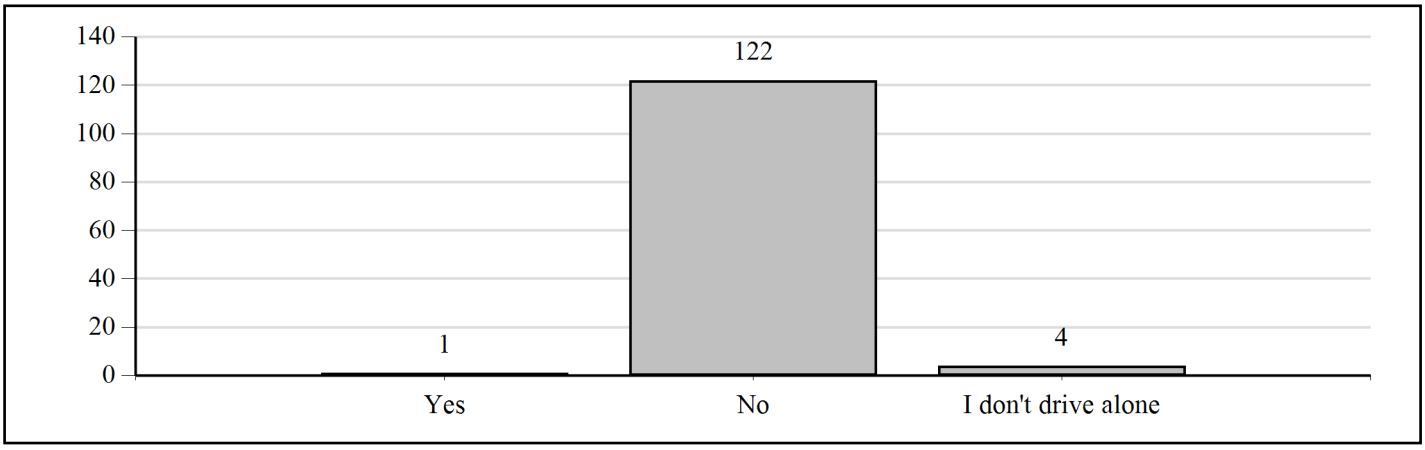
Reported Work Schedule



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	52	40.9%
4 days a week (4/10s)	73	57.5%
3 days a week	2	1.6%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	0	0%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	124	96.1%
Occasionally, on an as-needed basis	4	3.1%
1-2 days/month	1	0.8%
1 day/week	0	0.0%
2 days/week	0	0.0%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	44	24.0%
Other	26	14.2%
Financial incentives for carpooling, bicycling or walking.	25	13.7%
Environmental and community benefits	25	13.7%
Personal health or well-being	20	10.9%
Driving myself is not an option	19	10.4%
Emergency ride home is provided	13	7.1%
Preferred/reserved carpool/vanpool parking is provided	3	1.6%
Free or subsidized bus, train, vanpool pass or fare benefit	2	1.1%
Cost of parking or lack of parking	2	1.1%
I have the option of teleworking	2	1.1%
To save time using the HOV lane	1	0.5%
I receive a financial incentive for giving up my parking space	1	0.5%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	99	34.7%
Riding the bus or train is inconvenient or takes too long	72	25.3%
My commute distance is too short	35	12.3%
Other	31	10.9%
Family care or similar obligations	26	9.1%
Bicycling or walking isn't safe	12	4.2%
I need more information on alternative modes	7	2.5%
My job requires me to use my car for work	3	1.1%
There isn't any secure or covered bicycle parking	0	0.0%

Washington State Department of Transportation

Employer ID: E31013

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

	Employees Making This Many Transit Trips in a Week									
Trips/Week	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11 or more	0	0	0	0	0	0	0	0	0	0
# Of Employees using Transit	0	0	0	0	0	0	0	0	0	0
Total One-Way Transit Trips Per Week	0	0	0	0	0	0	0	0	0	0

Washington State Department of Transportation

Employer ID: E31013

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

	Employees Making This Many Transit Trips in a Week									
Trips/Week	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11 or more	0	0	0	0	0	0	0	0	0	0
# Of Employees using Transit	0	0	0	0	0	0	0	0	0	0
Total One-Way Transit Trips Per Week	0	0	0	0	0	0	0	0	0	0

Washington State Department of Transportation

Employer ID: E31013

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

			Weekly Count of Trips By Mode												
Home Zip code	**Total Employees**	**Employee Percentage**	**Drive Alone**	**Carpool**	**Vanpool**	**Motorcycle**	**Bus**	**Train**	**Bike**	**Walk**	**Telework**	**CWW**	**Ferry (Car/Van/Bus)**	**Ferry (walk-on)**	**Other**
83809	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
83814	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
83815	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
83854	11	8.53%	41	0	0	0	0	0	7	0	0	5	0	0	0
83858	2	1.55%	8	0	0	0	0	0	0	0	0	0	0	0	0
83877	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99004	1	0.78%	4	0	0	0	0	0	0	0	0	1	0	0	0
99005	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99006	2	1.55%	0	10	0	0	0	0	0	0	0	0	0	0	0
99009	2	1.55%	7	0	0	3	0	0	0	0	0	0	0	0	0
99016	5	3.88%	18	4	0	0	0	0	0	0	0	3	0	0	0
99019	2	1.55%	8	0	0	0	0	0	0	0	0	2	0	0	0
99021	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99025	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99026	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99027	4	3.10%	18	0	0	0	0	0	0	0	0	2	0	0	0
99036	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99037	3	2.33%	13	0	0	0	0	0	0	0	0	2	0	0	0
99202	4	3.10%	20	0	0	0	0	0	0	0	0	1	0	0	0
99204	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99205	6	4.65%	24	0	0	1	0	0	0	0	0	3	0	0	0
99206	16	12.40%	73	1	0	0	0	0	0	0	0	6	0	0	0
99207	10	7.75%	22	20	0	3	0	0	0	0	0	5	0	0	0
99208	6	4.65%	21	5	0	0	0	0	0	0	0	4	0	0	0
99211	1	0.78%	0	4	0	0	0	0	0	0	0	1	0	0	0
99212	6	4.65%	27	0	0	0	0	0	0	0	0	3	0	0	0

99213	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0
99216	20	15.50%	77	13	0	0	0	0	0	0	0	11	0	0	0
99217	7	5.43%	24	4	0	1	0	0	0	0	0	3	0	0	0
99218	4	3.10%	12	4	0	0	0	0	0	0	0	4	0	0	0
99223	5	3.88%	22	0	0	0	0	0	0	0	0	3	0	0	0
99224	1	0.78%	5	0	0	0	0	0	0	0	0	0	0	0	0