



GSA Carbon Footprint Tool

Scope 3 Commuter Survey Report

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Organization: USAID

Survey Name: USAID 2014 Commuter Survey

Survey Run Dates: 11/03/2014 - 11/07/2014

DOE FEMP Report

Commuting Type	Commute Distance Traveled (Miles / Day)
Personal Owned Vehicle: Passenger Car	109,238.7
Personal Owned Vehicle: SUV/Truck (Gasoline)	643.5
Personal Owned Vehicle: SUV/Truck (Diesel)	4.4
Personal Owned Vehicle: Motorcycle	195.0
Car Pool	2,920.5
Van Pool	616.0
Bus	5,586.9
Metro / Transit Rail	12,360.4
Commuter Rail	4,437.5
Intercity Rail	658.6
Walking	372.3
Bicycling	590.1

Commuter Metrics Report

Survey Completion Summary

Population and Sample Size

Population	Count
Agency Population Size	5,358
Number of Survey Invitees	5,358
Non-Federal Employee Respondents	522
Agency Sample Size*	4,836
Survey Respondents	1,138
Survey Non-Respondents	3,698
% Completion	24%

* Note: Survey sample size only includes Federal Employee Respondents and Non-Respondents.

This survey methodology fulfills the EO 13514 Section 9 Technical Support Document requirement stating, "Agencies should collect employee commuting data from a statistically appropriate number of respondents and extrapolate from a representative sample of employees to estimate commuting patterns of all employees" (Page C-26).

Respondents by Site

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Commute Method

Commute Methods Used

For the survey respondents, the percentage of commuters who use the following types of transportation as at least 1 mode of their commute TO OR FROM WORK (NOTE: Numbers will add to more than 100% since respondents could indicate more than 1 method of transportation used per day. All non-respondents were recorded as "Drove Alone"):

Commute Method	Percentage
Drove Alone(Car)	31%
Drove Alone(Truck/SUV/Van)	2%
Motorcycle	1%
Carpool/Vanpool	12%
Bus	28%
Transit Rail	66%

Intercity Rail	1%
Commuter Rail	7%
Walk	22%
Bike	9%
Telework	24%
AWS	5%
Other*	5%

* Note: "Other" includes commuting via federal vehicle, ferry boat, or other user-defined method of transportation.

Primary Commute Method

For the survey respondents, the percentage of commuters who indicated the following mode of transportation was their PRIMARY commuting method was:

Commute Method	Percentage
Drove Alone(Car)	26.01%
Drove Alone(Truck/SUV/Van)	1.58%
Motorcycle	0.26%
Carpool/Vanpool	8.79%
Bus	18.37%
Transit Rail	30.32%
Intercity Rail	0.09%
Commuter Rail	1.93%
Walk	3.95%
Bike	3.78%
Other*	4.92%

* Note: "Other" includes commuting via federal vehicle, ferry boat, or other user-defined method of transportation.

One-way Distance Traveled

Average one-way commute for respondents per day: **15.41 mile(s)**

Average one-way miles drove alone (Passenger Car): **13.06 mile(s)**

Teleworking and AWS

Teleworking Percentage

Percentage of respondents who use telework at least 1 day/week: **27.86%**

Teleworking Frequency

Frequency of telework among respondents:

Telework Amount	Percentage
5 times/week	1.85%
4 times/week	0.53%
3 times/week	0.44%
2 times/week	5.8%
1 time/week	19.24%
2 times/month or less	50.44%
Never	21.7%

Teleworking Barriers

Of the respondents who indicated they do not telework, they cited the following reasons:

Reason	Percentage
Did not telework because must be physically present on the job (e.g., Law Enforcement)	16.6%
Did not telework because I have technical issues (e.g., connectivity problems)	6.07%
Did not telework because I was not allowed to, even though I have the kind of job where I can telework	20.65%
Did not telework because I chose not to telework	56.68%

Satisfaction with Teleworking and AWS

Percentage of respondents who had the following opinion about the agency's teleworking and AWS programs:

	Very	Somewhat	Neither Satisfied nor	Somewhat	Very	
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Program	Dissatisfied	Dissatisfied	Dissatisfied	Satisfied	Satisfied	N/A
Your agency's telework program	6.59%	12.39%	12.92%	28.47%	34.01%	5.62%
Your agency's alternative work schedule (AWS) program	5.45%	7.56%	12.13%	17.4%	31.2%	26.27%

Commuting Satisfaction

Satisfaction with Current Commute

Percentage of respondents who indicated the following level of satisfaction with their current commute to and from work:

Commute Type	very dissatisfied	Somewhat dissatisfied	Neither satisfied nor dissatisfied	Somewhat satisfied	Very satisfied	N/A
Your commute to work	11.16%	16.34%	14.59%	27.33%	29.79%	0.79%
Your commute to home	12.74%	16.43%	14.32%	27.5%	28.21%	0.79%

Greenhouse Gas Emissions

Total GHG Emissions

Total Scope 3 Federal Employee Commuting Greenhouse Gas Emissions: **10,443.46 MT CO₂e**

Commute Type	Commute Distance Traveled (Miles / Day)	Commute Days Per Year	CO ₂ EF	CH ₄ EF	N ₂ O EF	CO ₂ e MT
Personal Owned Vehicle: Passenger Car	109,238.7	230	0.364 kg CO ₂ / Mile	0.000031 kg CH ₄ / Mile	0.000032 kg N ₂ O / Mile	9,404.52
Personal Owned Vehicle: SUV/Truck (Gasoline)	643.5	230	0.519 kg CO ₂ / Mile	0.000036 kg CH ₄ / Mile	0.000047 kg N ₂ O / Mile	79.02

Personal Owned Vehicle: SUV/Truck (Diesel)	4.4	230	0.560773480662983 kg CO2 / Mile	0.000001 kg CH4 / Mile	0.0000015 kg N2O / Mile	0.57
Personal Owned Vehicle: Motorcycle	195.0	230	0.167 kg CO2 / Mile	0.000007 kg CH4 / Mile	0.0000007 kg N2O / Mile	7.66
Car Pool	2,920.5	230	0.182 kg CO2 / Mile	0.0000155 kg CH4 / Mile	0.0000016 kg N2O / Mile	125.72
Van Pool	616.0	230	0.12975 kg CO2 / Mile	0.0000009 kg CH4 / Mile	0.000001175 kg N2O / Mile	18.91
Bus	5,586.9	230	0.107 kg CO2 / Mile	0.00000006 kg CH4 / Mile	0.00000005 kg N2O / Mile	137.70
Metro / Transit Rail	12,360.4	230	0.163 kg CO2 / Mile	0.0000004 kg CH4 / Mile	0.0000002 kg N2O / Mile	465.37
Commuter Rail	4,437.5	230	0.172 kg CO2 / Mile	0.0000002 kg CH4 / Mile	0.0000001 kg N2O / Mile	175.90
Intercity Rail	658.6	230	0.185 kg CO2 / Mile	0.0000002 kg CH4 / Mile	0.0000001 kg N2O / Mile	28.07
Walking and/or Bicycling	962.4	230	0 kg CO2 / Mile	0 kg CH4 / Mile	0 kg N2O / Mile	0.00
Total						10,443.46

Average GHG Emissions per Commuter

Average CO2/commuter: **1.949 CO2e/commuter**

Sites with the Highest and Lowest GHG Emissions per Commuter

Site with the highest average CO2/commuter: **Ronald Reagan Building**

Site with the lowest average CO2/commuter: **Site not found**

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