Appendix G
Air Quality/GHG Modeling Data

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Air Quality and GHG Emissions

- **Modeling Assumptions & Worksheets**

Criteria Air Pollutant Emissions (daily)

Note: The analysis compares how the change in land uses affects unincorporated County emissions.

Existing 2010	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	lbs/day					
Energy	514	4,469	2,419	28	355	355
Transportation	33,171	41,524	236,494	341	4,657	2,283
Area Sources	11,398	2,974	2,355	3	119	118
TOTAL	**45,083**	**48,967**	**241,268**	**372**	**5,132**	**2,756**

Existing (2035 Emission Rates)	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	lbs/day					
Energy	514	4,469	2,419	28	355	355
Transportation	8,086	11,095	65,992	352	4,199	1,846
Area Sources	11,398	2,974	2,355	3	119	118
TOTAL	**19,997**	**18,538**	**70,765**	**384**	**4,673**	**2,319**

Horizon Year 2035	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	lbs/day					
Energy	711	6,171	3,277	39	491	491
Transportation	10,193	13,035	87,128	457	5,457	2,379
Area Sources	17,940	3,870	3,055	4	155	153
TOTAL	**28,844**	**23,076**	**93,460**	**500**	**6,104**	**3,024**
Change from Existing (2035 Rates)	8,847	4,538	22,695	116	1,430	705

Full Buildout P-2035	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	lbs/day					
Energy	1,099	9,531	5,033	60	759	759
Transportation	15,492	20,866	138,866	734	8,742	3,785
Area Sources	30,259	6,435	5,036	7	257	255
TOTAL	**46,850**	**36,832**	**148,936**	**801**	**9,759**	**4,798**
Change from Existing (2035 Rates)	26,852	18,294	78,171	417	5,086	2,479

Criteria Air Pollutant Emissions (annual)

Note: The analysis compares how the change in land uses affects unincorporated County emissions.

Existing 2010	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	tons/year					
Energy	94	816	441	5	65	65
Transportation	5,755	7,204	41,032	59	808	396
Area Sources	2,080	543	430	1	22	22
TOTAL	**7,929**	**8,563**	**41,903**	**65**	**895**	**482**

Existing (2035 Emission Rates)	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	tons/year					
Energy	94	816	441	5	65	65
Transportation	1,403	1,925	11,450	61	729	320
Area Sources	2,080	543	430	1	22	22
TOTAL	**3,577**	**3,283**	**12,321**	**67**	**815**	**407**

Horizon Year 2035	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	tons/year					
Energy	130	1,126	598	7	90	90
Transportation	1,768	2,262	15,117	79	947	413
Area Sources	3,274	706	558	1	28	28
TOTAL	**5,172**	**4,094**	**16,272**	**87**	**1,065**	**530**
Change from Existing (2035 Rates)	1,596	811	3,952	20	250	124

Full Buildout P-2035	**VOC**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Sector	tons/year					
Energy	201	1,739	919	11	139	139
Transportation	2,688	3,620	24,093	127	1,517	657
Area Sources	5,522	1,174	919	1	47	46
TOTAL	**8,411**	**6,534**	**25,931**	**140**	**1,702**	**842**
Change from Existing (2035 Rates)	4,834	3,251	13,610	73	887	435

GHG EMISSIONS

Forecasting SCAQMD's GHG Target

2020	2050	2035
AB 32	EO S-03-05	Interpolated
1990 Levels	80% Below 1990 Levels	40% Below 1990 Levels
6.6	1.3	4.0

Source: Los Angeles, County of. 2014, January. Public Draft Unincorporated Los Angeles County Community Climate Action Plan 2020. (Except where noted)

GHG Sector	2010 $MTCO_2e$	%	State Reductions	Local Reductions	2035 With State Reductions $MTCO_2e$	%	Change from 2010 $MTCO_2e$	P-2035 With State Reductions $MTCO_2e$	%	Change from 2010 $MTCO_2e$
Building Energy	3,906,213	53%	427,505	226,339	4,704,281	59%	798,068	7,383,957	58%	3,477,744
Transportation[1]	2,751,579	37%	Pavley+LCFS	125,876	2,366,360	30%	-385,219	3,822,766	30%	1,071,187
Waste Generation	535,148	7%	0	12,212	696,829	9%	161,681	1,160,801	9%	625,653
Water and Wastewater	133,589	2%	0	15,280	147,202	2%	13,613	250,687	2%	117,098
Agriculture	30,290	0%	0	0	17,374	0%	-12,916	4,458	0%	-25,832
Stationary Sources	1,283	0%	0	0	1,615	0%	332	2,427	0%	1,144
TOTAL	**7,358,102**	**100%**		**379,707**	**7,933,661**		**575,559**	**12,625,096**		**5,266,994**
Increase from 2010					**575,559**			**5,266,994**		
$MTCO2_e$/SP	**5.6**				**4.6**			**4.4**		
SCAQMD Target	**NA**				**4.0**			**1.3**		

Source

1 VMT provided by Iteris for the General Plan Update and modeling using EMFAC2011-PL.

Reductions

Building Energy: Assumes 139,968 $MTCO_2e$ of energy reductions from implementation of Green Building and Energy Actions BE-1 through BE-7 and 86,371 $MTCO_2e$ reductions from implementation of Water Conservation and Wastewater Actions WAW-1 and WAW-2 (which 85% of the reductions associated with these actions are a result of reduced electricity and natural gas for hot water heating) for both the 2035 and P-2035 scenarios. Assumes 336,466 $MTCO_2e$ from implementation of the RPS and 91,039 $MTCO_2e$ for implementation of Title 24 building energy standards. Note, this estimate is conservative as the CCAP would be implemented beyond 2020.

Transportation: Reductions for on-road vehicles are based on EMFAC2011-PL and include implementation of Pavley I and the LCFS (see the Transportation Sector Worksheet). Land Use and Transportation Actions LUT-1 through LUT-12 would further reduce transportation-related GHG emissions. Reductions from off-road vehicles include a 10 percent reduction from implementation of the LCFS.

Waste: Assumes 12,212 $MTCO_2e$ of waste reductions from Waste Reduction, Reuse, and Recycling Action W-1. Note, this estimate is conservative as the CCAP would be implemented beyond 2020.

Water/Wastewater: Assumes 15,280 $MTCO_2e$ reductions from implementation of Water Conservation and Water Actions WAW-1 and WAW-2. Note, this estimate is conservative as the CCAP would be implemented beyond 2020.

Note: The analysis compares how the County can meet the short-term and long-term GHG reduction Goals of the state, as well as the Efficiency Targets of SCAQMD.

RTAC ADJUSTED: To ensure consistency with the Community Climate Action Plan (CCAP) and adhering to the recommendations of CARB's Regional Targets Advisory Committee (RTAC), the VMT uses the following accounting rules: trips that start or end in the unincorporated County are weighted by 1 (internal trips), trips that start or end in the unincorporated County but end or start outside the unincorporated County are weighted by 0.5, and trips that neither start nor end in the unincorporated county are weighted by 0.

UNINCORPORATED LOS ANGELES COUNTY GENERAL PLAN UPDATE

Growth Forecasts

	Population	Employment	Service Population (SP)	Housing
CEQA Baseline (2010)	1,066,415	252,660	1,319,075	300,478
SCAG 2035 [1]	1,399,500	318,100	1,717,600	429,101
Full Buildout 2035 (P-2035)	2,383,373	477,862	2,861,235	668,911
Current General Plan (P-2035)	2,199,477	444,393	2,643,870	602,024

Source

1 SCAG 2012 RTP/SCS Growth Forecast for unincorporated Los Angeles County. Households were converted to housing units based on a 5.5% vacancy rate for unincorporated County of Los Angeles (CDOF 2013).

Growth Rates

	SCAG 2035	P-2035
Population Growth Rate	1.31	2.23
Employment Growth Rate	1.26	1.89
Service Population Growth Rate	1.30	2.17
Housing Growth Rate	1.43	2.23

UNINCORPORATED LOS ANGELES COUNTY GENERAL PLAN UPDATE

Growth Forecasts

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CEQA Baseline (2010)	1,066,415	252,660	1,319,075	300,478
SCAG 2035 [1]	1,399,500	318,100	1,717,600	429,101
Full Buildout 2035 (P-2035)	2,383,373	477,862	2,861,235	668,911
Current General Plan (P-2035)	2,199,477	444,393	2,643,870	602,024

Source

1 SCAG 2012 RTP/SCS Growth Forecast for unincorporated Los Angeles County. Households were converted to housing units based on a 5.5% vacancy rate for unincorporated County of Los Angeles (CDOF 2013).

Natural Gas Use

	Natural Gas (Therms)[1]	Natural Gas ($MTCO_2e$)[1]	Natural Gas (Therms)[2]	Natural Gas ($MTCO_2e$)[2]
	Residential	Residential	Non-Residential	Non-Residential
CEQA Baseline (2010)	127,586,394	678,438	46,442,001	246,954
SCAG 2035	182,200,990	968,850	58,470,674	310,916
Full Buildout 2035 (P-2035)	284,027,258	1,510,309	87,836,885	467,070

Source

1 Provided by ICF. Projected based on increase in housing units

2 Provided by ICF. Projected based on increase in employment.

Electricity Use

	Electricity (Kwh)[1]	Electricity ($MTCO_2e$)[1]	Electricity (Kwh)[2]	Electricity ($MTCO_2e$)[2]
	Residential	Residential	Non-Residential	Non-Residential
CEQA Baseline (2010)	2,119,743,587	586,515	8,653,345,181	2,394,306
SCAG 2035	3,027,120,437	837,578	10,894,597,887	3,014,441
Full Buildout 2035 (P-2035)	4,718,880,592	1,305,674	16,366,282,098	4,528,409

Source

1 Provided by ICF. Projected based on increase in housing units

2 Provided by ICF. Projected based on increase in employment.

UNINCORPORATED LOS ANGELES COUNTY GENERAL PLAN UPDATE

Growth Forecasts

	Population	Employment	Service Population (SP)	Housing
CEQA Baseline (2010)	1,066,415	252,660	1,319,075	300,478
SCAG 2035 [1]	1,399,500	318,100	1,717,600	429,101
Full Buildout 2035 (P-2035)	2,383,373	477,862	2,861,235	668,911
Current General Plan (P-2035)	2,199,477	444,393	2,643,870	602,024

Source

1 SCAG 2012 RTP/SCS Growth Forecast for unincorporated Los Angeles County. Households were converted to housing units based on a 5.5% vacancy rate for unincorporated County of Los Angeles (CDOF 2013).

Wastewater Treatment

	Wastewater (gpd)[1]	Wastewater ($MTCO_2e$)[2]
CEQA Baseline (2010)	81,047,540	29,885
SCAG 2035	106,362,000	39,219
Full Buildout 2035 (P-2035)	181,136,348	66,791

Source

1 Based on the California Department of Water Resources' 20x2020 Water Conservation Plan. Figure 5 for indoor/outdoor water use for Hydrologic Region 4. Indoor water use is 76 gpcd. Indoor water use is 100 percent wastewater.

2 Provided by ICF. Projected based on increase in wastewater generation.

Water Conveyance

	Water (gpd)[1]	Water ($MTCO_2e$)[2]
CEQA Baseline (2010)	177,024,890	96,189
SCAG 2035	198,729,000	107,982
Full Buildout 2035 (P-2035)	338,438,966	183,896

Source

1 Based on the Metropolitan Water District of Southern California 2010 Urban Water Management Plan (UWMD). Existing = 166 gpcd; SBx7-7 = 142 gpcd (gallons per capita [population] per day)

2 Provided by ICF. Projected based on increase in water use.

UNINCORPORATED LOS ANGELES COUNTY GENERAL PLAN UPDATE

Growth Forecasts

	Population	Employment	Service Population (SP)	Housing
CEQA Baseline (2010)	1,066,415	252,660	1,319,075	300,478
SCAG 2035 [1]	1,399,500	318,100	1,717,600	429,101
Full Buildout 2035 (P-2035)	2,383,373	477,862	2,861,235	668,911
Current General Plan (P-2035)	2,199,477	444,393	2,643,870	602,024

Source

1 SCAG 2012 RTP/SCS Growth Forecast for unincorporated Los Angeles County. Households were converted to housing units based on a 5.5% vacancy rate for unincorporated County of Los Angeles (CDOF 2013).

Solid Waste

	Historic Disposal (Tons/year)[1]	Historic Disposal Rate - Population (ppd)[2]	Historic Disposal Rate - Employees (ppd)[2]
2010	983,984	4.6	41.2
2011	962,892	4.6	27.9
2012	869,650	4.2	25.0
Average	938,842	4.5	31.4

Source

1 CalRecycle. Disposal Reporting System (DRS) : Jurisdiction Disposal and Alternative Daily Cover (ADC) Tons by Facility. Accessed March 2014. http://www.calrecycle.ca.gov/LGCentral/Reports/DRS/Destination/JurDspFa.aspx.

2 CalRecycle. Jurisdiction Diversion/Disposal Rate Summary (2007 - Current) . Accessed March 2014. http://www.calrecycle.ca.gov/LGCentral/reports/diversionprogram/JurisdictionDiversionPost2006.aspx.

	Disposal (Tons/year)[1]	Waste ($MTCO_2e$)[2]
CEQA Baseline (2010)	938,842	535,148
SCAG 2035	1,210,362	696,829
Full Buildout 2035 (P-2035)	2,012,382	1,160,801

Source

1 Forecast based on the historic residential disposal rates from CalRecycle for unincorporated Los Angeles County.

2 Provided by ICF. Projected based on increase in waste disposal.

UNINCORPORATED LOS ANGELES COUNTY GENERAL PLAN UPDATE

Growth Forecasts

	Population	Employment	Service Population (SP)	Housing
CEQA Baseline (2010)	1,066,415	252,660	1,319,075	300,478
SCAG 2035 [1]	1,399,500	318,100	1,717,600	429,101
Full Buildout 2035 (P-2035)	2,383,373	477,862	2,861,235	668,911
Current General Plan (P-2035)	2,199,477	444,393	2,643,870	602,024

Source

1 SCAG 2012 RTP/SCS Growth Forecast for unincorporated Los Angeles County. Households were converted to housing units based on a 5.5% vacancy rate for unincorporated County of Los Angeles (CDOF 2013).

Off-Road Transportation (added with the on-road transportation in the transportation inventory)

	Offroad ($MTCO_2e$)[1]	LCFS
CEQA Baseline (2010)	24,480	
SCAG 2035	28,688	3,188
Full Buildout 2035 (P-2035)	47,790	5,310

Source

1 Provided by ICF. Projected based on increase in service population.

Includes a 10 percent reduction from implementation of the Low Carbon Fuel Standard (LCFS)

Includes: Agricultural equipment, construction and mining equipment, entertainment equipment, industrial equipment, lawn and garden equipment, light commercial equipment, railyard operations, recreational equipment, and transport refrigeration units. Note: railyard operations are not included in the criteria air pollutant emissions analysis.

Industrial

	Industrial ($MTCO_2e$)[1]
CEQA Baseline (2010)	1,283
SCAG 2035	1,615
Full Buildout 2035 (P-2035)	2,427

Source

1 Provided by ICF. Projected based on increase in employment

UNINCORPORATED LOS ANGELES COUNTY GENERAL PLAN UPDATE

Growth Forecasts

	Population	Employment	Service Population (SP)	Housing
CEQA Baseline (2010)	1,066,415	252,660	1,319,075	300,478
SCAG 2035 [1]	1,399,500	318,100	1,717,600	429,101
Full Buildout 2035 (P-2035)	2,383,373	477,862	2,861,235	668,911
Current General Plan (P-2035)	2,199,477	444,393	2,643,870	602,024

Source

1 SCAG 2012 RTP/SCS Growth Forecast for unincorporated Los Angeles County. Households were converted to housing units based on a 5.5% vacancy rate for unincorporated County of Los Angeles (CDOF 2013).

Agriculture

	Acres[1]	Agriculture ($MTCO_2e$)[2]
CEQA Baseline (2010)	26,235	30,290
SCAG 2035	15,048	17,374
Full Buildout 2035 (P-2035)	3,861	4,458

Source

1 Based on Section 5.2, Agricultural Resources. Horizon Year 2035 is an estimate of agricultural land based on agriculture loss at buildout.

2 Provided by ICF. Projected based on a decrease in cropping activity.

Air Quality and GHG Emissions

- **Solid Waste Disposal – CalRecycle**

California Department of Resources Recycling and Recovery (CalRecycle)
Disposal Reporting System (DRS)

Jurisdiction Disposal By Facility

With Reported Alternative Daily Cover (ADC) and Alternative Intermediate Cover (AIC)

Disposal during 2012 for Los Angeles-Unincorporated

Destination Facility	SWISNo	Qtr	Instate Ton	Transform Ton	Export Ton	Total ADC	Total AIC
Altamont Landfill & Resource Recv`ry	01-AA-0009		19				
Antelope Valley Public Landfill	19-AA-5624		47,179			1,222	
Azusa Land Reclamation Co. Landfill	19-AA-0013		557			63	
Bakersfield Metropolitan (Bena) SLF	15-AA-0273		200				
Calabasas Sanitary Landfill	19-AA-0056		20,474			1,023	
California Street Landfill	36-AA-0017		68				
Chiquita Canyon Sanitary Landfill	19-AA-0052		54,610				
Cold Canyon Landfill Solid Waste DS	40-AA-0004		5,864				
Colton Sanitary Landfill	36-AA-0051					1	
Commerce Refuse-To-Energy Facility	19-AA-0506			938			
Covanta Stanislaus, Inc.	50-AA-0009			72			
El Sobrante Landfill	33-AA-0217		79,792				
H.M. Holloway Landfill	15-AA-0308		3,789				
Lancaster Landfill and Recycling Center	19-AA-0050		21,154			1,038	
McKittrick Waste Treatment Site	15-AA-0105		3,724				
Mid-Valley Sanitary Landfill	36-AA-0055		146			31	
Mojave-Rosamond Sanitary Landfill	15-AA-0058		107				
Olinda Alpha Sanitary Landfill	30-AB-0035		14,276				
Otay Landfill	37-AA-0010		182				
Puente Hills Landfill	19-AA-0053		308,021			40,235	34
Recology Hay Road	48-AA-0002		3				
San Clemente Island Landfill	19-AA-0063		398				
San Timoteo Sanitary Landfill	36-AA-0087		2,156			1	
Savage Canyon Landfill	19-AH-0001		2,622				
Scholl Canyon Landfill	19-AA-0012		15,436			17,507	
Simi Valley Landfill & Recycling Center	56-AA-0007		9,775			656	
Southeast Resource Recovery Facility	19-AK-0083			1,462			
Sunshine Canyon City/County Landfill	19-AA-2000		214,638				
Sycamore Sanitary Landfill	37-AA-0023		12				
Victorville Sanitary Landfill	36-AA-0045		163				
Yearly Totals:			805,364.89.	2,472.41.	..	61,778.12.	34.23.

869,650.

Notes:
1. Disposal tonnage is subject to change due to revisions. Report is based upon information provided by County disposal reports.
2. AIC information was not collected prior to 2006.
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California Department of Resources Recycling and Recovery (CalRecycle)
Disposal Reporting System (DRS)

Jurisdiction Disposal By Facility

With Reported Alternative Daily Cover (ADC) and Alternative Intermediate Cover (AIC)

Disposal during 2011 for Los Angeles-Unincorporated

Destination Facility	SWISNo	Qtr	Instate Ton	Transform Ton	Export Ton	Total ADC	Total AIC
Altamont Landfill & Resource Recv`ry	01-AA-0009		14				
Antelope Valley Public Landfill	19-AA-5624		43,056			1,115	
Azusa Land Reclamation Co. Landfill	19-AA-0013		611			2,513	
Bakersfield Metropolitan (Bena) SLF	15-AA-0273		176				
Calabasas Sanitary Landfill	19-AA-0056		33,215			1,151	
California Street Landfill	36-AA-0017		401				
Chiquita Canyon Sanitary Landfill	19-AA-0052		90,856			26	
Cold Canyon Landfill Solid Waste DS	40-AA-0004		3,686			2	
Colton Sanitary Landfill	36-AA-0051						
Commerce Refuse-To-Energy Facility	19-AA-0506			2,447			
Covanta Stanislaus, Inc.	50-AA-0009			30			
El Sobrante Landfill	33-AA-0217		69,232				
Lancaster Landfill and Recycling Center	19-AA-0050		18,303			1,185	
McKittrick Waste Treatment Site	15-AA-0105		3,647				
Mid-Valley Sanitary Landfill	36-AA-0055		237			16	
Mojave-Rosamond Sanitary Landfill	15-AA-0058		109				
Olinda Alpha Sanitary Landfill	30-AB-0035		3,570				
Otay Landfill	37-AA-0010		129				
Peck Road Gravel Pit	19-AA-0838						
Puente Hills Landfill	19-AA-0053		347,698			54,957	529
San Clemente Island Landfill	19-AA-0063		405				
San Timoteo Sanitary Landfill	36-AA-0087		2,127			1	
Savage Canyon Landfill	19-AH-0001		3,716				
Scholl Canyon Landfill	19-AA-0012		16,303			15,280	
Simi Valley Landfill & Recycling Center	56-AA-0007		7,771			855	
Southeast Resource Recovery Facility	19-AK-0083			1,226			
Sunshine Canyon City/County Landfill	19-AA-2000		236,111				
Sycamore Sanitary Landfill	37-AA-0023		8				
Victorville Sanitary Landfill	36-AA-0045		177			1	
Yearly Totals:			881,556.73.	3,703.04.	..	77,103.25.	528.59.

962,892

Notes:
1. Disposal tonnage is subject to change due to revisions. Report is based upon information provided by County disposal reports.
2. AIC information was not collected prior to 2006.
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Jurisdiction Disposal By Facility

With Reported Alternative Daily Cover (ADC) and Alternative Intermediate Cover (AIC)

Disposal during 2010 for Los Angeles-Unincorporated

Destination Facility	SWISNo	Qtr	Instate Ton	Transform Ton	Export Ton	Total ADC	Total AIC
Altamont Landfill & Resource Recv`ry	01-AA-0009		2				
Antelope Valley Public Landfill	19-AA-5624		50,196			1,383	
Azusa Land Reclamation Co. Landfill	19-AA-0013		216			36	
Badlands Sanitary Landfill	33-AA-0006						
Bakersfield Metropolitan (Bena) SLF	15-AA-0273		202				
Calabasas Sanitary Landfill	19-AA-0056		22,346			1,138	
California Street Landfill	36-AA-0017		21				
Chiquita Canyon Sanitary Landfill	19-AA-0052		92,366			69	
Colton Sanitary Landfill	36-AA-0051						
Commerce Refuse-To-Energy Facility	19-AA-0506			2,440			
Covanta Stanislaus, Inc.	50-AA-0009			7			
El Sobrante Landfill	33-AA-0217		75,976				
Kettleman Hills - B18 Nonhaz Codisposal	16-AA-0023		25				
Lamb Canyon Sanitary Landfill	33-AA-0007		3				
Lancaster Landfill and Recycling Center	19-AA-0050		15,391			1,545	
Mid-Valley Sanitary Landfill	36-AA-0055		2,419			18	
Mojave-Rosamond Sanitary Landfill	15-AA-0058		75				
Olinda Alpha Sanitary Landfill	30-AB-0035		20,931				
Otay Landfill	37-AA-0010		2,602				
Peck Road Gravel Pit	19-AA-0838						
Puente Hills Landfill	19-AA-0053		357,858			58,333	1,090
Recology Hay Road	48-AA-0002		1				
San Clemente Island Landfill	19-AA-0063		267				
San Timoteo Sanitary Landfill	36-AA-0087		201			2	
Savage Canyon Landfill	19-AH-0001		3,868				
Scholl Canyon Landfill	19-AA-0012		22,529			12,218	
Simi Valley Landfill & Recycling Center	56-AA-0007		6,799			11,618	
Southeast Resource Recovery Facility	19-AK-0083			325			
Sunshine Canyon City/County Landfill	19-AA-2000		219,248				
Sycamore Sanitary Landfill	37-AA-0023		4			5	
Victorville Sanitary Landfill	36-AA-0045		208			1	
Yearly Totals:			893,754.08.	2,771.73.	..	86,367.61.	1,090.17.

983,984

Notes:
1. Disposal tonnage is subject to change due to revisions. Report is based upon information provided by County disposal reports.
2. AIC information was not collected prior to 2006.
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Jurisdiction Diversion/Disposal Rate Summary (2007 - Current)

Advisory! The per capita disposal rate is a jurisdiction-specific index and cannot be compared between jurisdictions. The per capita disposal rate is used as one of several "factors" in determining a jurisdiction's compliance with the intent of AB 939, and allows the California Department of Resources Recycling and Recovery (CalRecycle) and jurisdictions to set their primary focus on successful implementation of diversion programs. Meeting the disposal rate targets is not necessarily an indication of compliance.

Please Note! This online database contains some disposal rates calculated with data as submitted by the jurisdiction. This data is subject to change during the formal Jurisdiction Review process or when a jurisdiction submits updated information. Specifically, the Annual Report Review Status 'Staff Reviewed' means the jurisdiction has submitted their Annual Report and Local Assistance and Market Development Staff have reviewed the data as submitted. However, these reports have not yet been formally presented to, or approved by CalRecycle. The Per Resident and Per Employee Disposal Rate Targets listed below are the most current targets as calculated by CalRecycle staff.

Jurisdiction: Los Angeles-Unincorporated

Search

Jurisdiction: Los Angeles-Unincorporated

Per Capita Disposal Rate Graph

Per Resident Disposal Rate Target (PPD): 7.4

Per Employee Disposal Rate Target (PPD): 41.5

REPORT YEAR	REVIEW YEARS	JURISDICTION REVIEW STATUS	COMPLIANCE STATUS	# OF PROGRAMS IMPLEMENTED	ANNUAL REPORT REVIEW STATUS	ANNUAL PER CAPITA DISPOSAL RATE (PPD) PER RESIDENT	ANNUAL PER CAPITA DISPOSAL RATE (PPD) PER EMPLOYEE
2007	07/11	Approved		49	Staff Reviewed	5.8	32.1
2008	07/11	Approved		49	Staff Reviewed	5.1	28.3
2009	07/11	Approved		49	Staff Reviewed	4.5	26.4
2010	07/11	Approved		50	Staff Reviewed	4.6	41.2
2011	07/11	Approved		50	Staff Reviewed	4.6	27.9
2012	12/15	Awaiting Review		50	Staff Reviewed	4.2	25.0

Air Quality and GHG Emissions

- **Energy – Natural Gas Use**

CRITERIA AIR POLLUTANTS - Natural Gas

Source: Natural Gas used in the unincorporated County provided by ICF.
Los Angeles, County of. 2014, January. Public Draft Unincorporated Los Angeles County Community Climate

Rate	lbs/MBTU					
Natural Gas	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Residential	0.01078431	0.09215686	0.03921569	0.00058824	0.00745098	0.00745098
Non-Residential	0.01078431	0.09803922	0.08235294	0.00058824	0.00745098	0.00745098

Source: CalEEMod Version 2013.2.2

Natural Gas	2010 lbs/day					
	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Residential	377	3,221	1,371	21	260	260
Commercial + Industrial	137	1,247	1,048	7	95	95
Total	514	4,469	2,419	28	355	355

Natural Gas	GP Horizon Year 2035 lbs/day					
	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Residential	538	4,600	1,958	29	372	372
Commercial + Industrial	173	1,571	1,319	9	119	119
Total	711	6,171	3,277	39	491	491
Increase from Baseline	197	1,702	858	11	136	136

Natural Gas	Post-2035 lbs/day					
	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Residential	839	7,171	3,052	46	580	580
Commercial + Industrial	260	2,359	1,982	14	179	179
Total	1,099	9,531	5,033	60	759	759
Increase from Baseline	585	5,062	2,615	32	404	404

General Conversion Factors	
Therm to Mmbtu	0.1
lbs to Tons	2000
Tons to MTon	0.9071847

Appendix F, Standard Conversion Factors

Air Quality and GHG Emissions

- **Transportation – EMFAC2011**

UNINCORPORATED COUNTY OF LOS ANGELES — TRANSPORTATION SECTOR (Origin-Destination Method)

VMT with Full trip length for external (X) trips

VMT with SB 375 RTAC method applied (I-I*100%, I-X*50%)

VMT	County of Los Angeles							Fleet Mix of VMT			
	Population	Employment	Service Population (SP)	Daily VMT*	Rate (VMT/ SP)	Adjusted Daily VMT (rounded)	Annual VMT	Percent Light Duty Autos (LDA)	Percent Light Duty Trucks (LDT)	Medium Dity Trucks (MDT)	Heavy Duty Trucks (HDT)
2010	1,935,489	683,942	2,619,431	72,286,974	27.60	72,287,000	25,083,589,000	92.8%	0.9%	1.5%	4.8%
2035	2,413,096	866,010	3,279,106	92,531,346	28.22	92,531,400	32,108,395,800	91.5%	1.0%	1.7%	5.8%
P-2035	3,394,938	1,025,472	4,420,410	120,709,763	27.31	120,709,800	41,886,300,600	93.1%	1.0%	1.5%	4.4%
Actual 2010	1,066,415	252,660	1,319,075	36,401,776	27.60	36,401,800	12,631,424,600	92.8%	0.9%	1.5%	4.8%
SCAG 2035	1,399,500	318,100	1,717,600	48,468,040	28.22	48,468,100	16,818,430,700	91.5%	1.0%	1.7%	5.8%
Actual P-2035	2,383,373	477,862	2,861,235	78,132,797	27.31	78,132,800	27,112,081,600	93.1%	1.0%	1.5%	4.4%
RTAC ADJUSTED: Interjurisdictional VMT reduced by 50 percent (trips from the unincorporated Los Angeles Area to all other areas and trips from all other areas to unincorporated Los Angeles County) in order to account for the Regional Transportation Advisory Committee (RTAC) recommendations for target setting established pursuant to Senate Bill 375. Pursuant to the RTAC recommendation, a jurisdiction is only responsible for 50 percent of the trip length for trips that start/end in one jurisdiction and end/start in other jurisdiction.											
2010	1,935,489	683,942	2,619,431	37,759,943	14.42	37,760,000	13,102,720,000	93.0%	0.9%	1.4%	4.6%
2035	2,413,096	866,010	3,279,106	48,673,162	14.84	48,673,200	16,889,600,400	91.8%	1.0%	1.6%	5.5%
P-2035	3,394,938	1,025,472	4,420,410	64,739,141	14.65	64,739,200	22,464,502,400	93.5%	1.0%	1.4%	4.2%
Actual 2010	1,066,415	252,660	1,319,075	19,014,892	14.42	19,014,900	6,598,170,300	93.0%	0.9%	1.4%	4.6%
SCAG 2035	1,399,500	318,100	1,717,600	25,495,066	14.84	25,495,100	8,846,799,700	91.8%	1.0%	1.6%	5.5%
Actual P-2035	2,383,373	477,862	2,861,235	41,904,234	14.65	41,904,300	14,540,792,100	93.5%	1.0%	1.4%	4.2%

Source: 2010, 2035, and P-2035 VMT is based on data provided by ITERIS using SCAG's Regional Transportation Model and adjusted based on the population and employment forecasts for the unincorporated County General Plan Update.

VMT provided by ITERIS is based on VMT by TAZ zones, many of which include incorporated city population and employment. The VMT for the General Plan air quality and GHG analysis was adjusted based on the VMT/SP, as calculated by the SCAG model, for the unincorporated population and employment evaluated in the General Plan Update.

Adjusted Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

CRITERIA AIR POLLUTANTS

	lbs/day					
	ROG	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Existing 2010	33,171	41,524	236,494	341	4,657	2,283
Existing 2035	8,086	11,095	65,992	352	4,199	1,846
Project 2035	10,193	13,035	87,128	457	5,457	2,379
Post-2035	15,492	20,866	138,866	734	8,742	3,785
	Tons/year					
	ROG	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Existing 2010	5,755	7,204	41,032	59	808	396
Existing 2035	1,403	1,925	11,450	61	729	320
Project 2035	1,768	2,262	15,117	79	947	413
Post-2035	2,688	3,620	24,093	127	1,517	657
	lbs/day					
	ROG	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Horizon 2035 - Net from Existing (2035)	2,107	1,940	21,136	104	1,258	533
P-2035 - Net from Existing (2035)	7,406	9,771	72,875	382	4,544	1,939
	Tons/year					
	ROG	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
Horizon 2035 - Net from Existing (2035)	366	337	3,667	18	218	93
P-2035 - Net from Existing (2035)	1,285	1,695	12,644	66	788	336

Daily emissions multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Source: EMFAC2011-PL

GREENHOUSE GAS EMISSIONS

	$MTCO_2e$/year - Business as Usual (BAU)			$MTCO_2e$/year - Adjusted		Percent Reduction from BAU	Percent Reduction from 2010	Pavley + LCFS Reductions
	N_2O	CO_2	CO_2e	CO_2	CO_2e			
Existing 2010	200	4,712,951	4,775,077	4,695,025	4,757,150	0%	NA	-17,926
Existing 2035	49	4,782,045	4,797,292	3,054,792	3,070,039	-36%	-35%	-1,727,253
Project 2035	65	6,323,488	6,343,679	4,040,897	4,061,088	-36%	-15%	-2,282,591
Post-2035	104	10,105,291	10,137,617	6,460,484	6,492,810	-36%	36%	-3,644,807
RTAC ADJUSTED: To ensure consistency with the Community Climate Action Plan (CCAP) and adhering to the recommendations of CARB's Regional Targets Advisory Committee (RTAC), the VMT uses the following accounting rules: trips that start or end in the unincorporated County are weighted by 1 (internal trips), trips that start or end in the unincorporated County but end or start outside the unincorporated County are weighted by 0.5, and trips that neither start nor end in the unincorporated county are weighted by 0.								
Existing 2010	113	2,726,938	2,762,021	2,716,497	2,751,579	0%	NA	-10,442
Existing 2035	28	2,764,108	2,772,745	1,757,051	1,765,688	-36%	-36%	-1,007,057
Project 2035	37	3,657,225	3,668,682	2,326,215	2,337,672	-36%	-15%	-1,331,010
Post-2035	60	5,900,585	5,919,136	3,756,425	3,774,976	-36%	37%	-2,144,160

Note: MT = metric tons; CO_2e = carbon dioxide-equivalent. Adjusted BAU Includes Pavley and the Low Carbon Fuel Standard (LCFS).

Source: EMFAC2011-PL

State and Federal Fuel Efficiency Improvements + Low Carbon Fuel Standard (LCFS)

The Federal Government has adopted and has implemented improved Federal Corporate Economy Fuel Efficiency (CAFE) Standards for vehicles that correspond with the California Assembly Bill 1493 (AB 1493) Pavley I Fuel Efficiency Standards. In addition, the State of California has adopted the Low Carbon Fuel Standard (LCFS). In January 2012, the California Air Resources Board (CARB) adopted the Advanced Clean Car Program which implements the Pavley II Fuel Efficiency Standards and projects that by 2025, one in every seven new cars sold will be electric vehicles (PHEV or PEV). However, the Pavley II Advanced Clean Car Program is not included in the transportation emissions reductions and therefore reductions are conservative.

On December 29, 2011, the U.S. District Court for the Eastern District of California issued several rulings in the federal lawsuits challenging the LCFS. One of the court's rulings preliminarily enjoins the CARB from enforcing the regulation during the pendency of the litigation. In January 2012, CARB appealed the decision and on April 23, 2012, the Night Circuit Court granted CARB's motion for a stay of the injunction while it continues to consider CARB's appeal of the lower court's decision.

	Daily Vehicle Miles Traveled - Unincorporated Los Angeles County								
	I-I and X-I Trips								
	Planning Area 1 Daily VMT								
	Antelope Valley	2010		2035		Change (2010 to 2035)	P-2035		Change (2010 to P-2035)
	Light Duty Autos	6,401,911	94.3%	13,710,184	94.3%	7,308,272	35,061,545	96.5%	28,659,633
	Light Duty Trucks	61,853	0.9%	131,508	0.9%	69,655	302,356	0.8%	240,504
	Medium Duty Trucks	79,550	1.2%	152,685	1.1%	73,135	259,535	0.7%	179,985
	Heavy Duty Trucks	245,513	3.6%	544,051	3.7%	298,537	725,068	2.0%	479,554
	Total	6,788,828		14,538,428		7,749,600	36,348,504		29,559,676
1	miles/SP	36.9		48.0			28.9		
	Planning Area 2								
	Santa Clarita Valley								
	Light Duty Autos	7,300,159	93.9%	12,205,214	92.9%	4,905,055	14,590,772	93.0%	7,290,614
	Light Duty Trucks	64,172	0.8%	115,182	0.9%	51,010	140,474	0.9%	76,302
	Medium Duty Trucks	101,862	1.3%	194,749	1.5%	92,887	235,054	1.5%	133,191
	Heavy Duty Trucks	304,922	3.9%	622,742	4.7%	317,820	715,741	4.6%	410,820
	Total	7,771,115		13,137,887		5,366,773	15,682,041		7,910,927
2	miles/SP	33.8		33.6			31.0		
	Planning Area 3								
	San Fernando Valley								
	Light Duty Autos	2,558,911	92.9%	2,854,784	91.5%	295,873	3,708,443	92.9%	1,149,532
	Light Duty Trucks	23,695	0.9%	30,880	1.0%	7,185	34,842	0.9%	11,147
	Medium Duty Trucks	42,518	1.5%	55,467	1.8%	12,949	64,532	1.6%	22,014
	Heavy Duty Trucks	128,834	4.7%	179,999	5.8%	51,166	184,490	4.6%	55,656
	Total	2,753,958		3,121,131		367,172	3,992,307		1,238,349
3	miles/SP	28.9		27.8			29.2		
	Planning Area 4								
	Santa Monica Mountains								
	Light Duty Autos	4,217,103	94.1%	4,629,497	93.1%	412,394	5,310,775	93.3%	1,093,672
	Light Duty Trucks	38,197	0.9%	47,385	1.0%	9,188	51,059	0.9%	12,862
	Medium Duty Trucks	54,375	1.2%	70,430	1.4%	16,055	81,285	1.4%	26,910
	Heavy Duty Trucks	169,816	3.8%	227,514	4.6%	57,698	250,825	4.4%	81,010
	Total	4,479,491		4,974,826		495,336	5,693,944		1,214,453
4	miles/SP	41.1		40.6			40.3		
	Planning Area 5								
	Westside								
	Light Duty Autos	3,277,663	93.4%	3,480,196	91.9%	202,533	3,476,371	93.4%	198,708
	Light Duty Trucks	29,124	0.8%	35,081	0.9%	5,957	36,042	1.0%	6,919
	Medium Duty Trucks	44,172	1.3%	56,449	1.5%	12,277	57,233	1.5%	13,061
	Heavy Duty Trucks	159,269	4.5%	217,050	5.7%	57,781	152,832	4.1%	-6,437
	Total	3,510,227		3,788,775		278,548	3,722,478		212,251
5	m/SP	28.9		27.6			24.3		
	Planning Area 6								
	East San Gabriel Valley								
	Light Duty Autos	17,140,472	92.5%	18,998,529	90.9%	1,858,057	19,425,776	91.0%	2,285,304
	Light Duty Trucks	176,556	1.0%	219,230	1.0%	42,674	223,208	1.0%	46,651
	Medium Duty Trucks	312,533	1.7%	414,514	2.0%	101,981	429,640	2.0%	117,108
	Heavy Duty Trucks	901,942	4.9%	1,278,557	6.1%	376,614	1,268,690	5.9%	366,747
	Total	18,531,504		20,910,830		2,379,326	21,347,314		2,815,811
6	m/SP	28.9		27.9			28.7		

	Planning Area 7								
	West San Gabriel Valley								
	Light Duty Autos	7,763,647	93.9%	8,965,600	92.5%	1,201,952	9,239,353	92.7%	1,475,706
	Light Duty Trucks	73,876	0.9%	96,116	1.0%	22,240	98,148	1.0%	24,272
	Medium Duty Trucks	111,315	1.3%	156,984	1.6%	45,669	163,644	1.6%	52,330
	Heavy Duty Trucks	318,457	3.9%	468,884	4.8%	150,427	468,546	4.7%	150,090
	Total	8,267,294		9,687,583		1,420,289	9,969,692		1,702,398
7	m/SP	25.7		24.1			23.5		
	Planning Area 9								
	Metro								
	Light Duty Autos	6,682,563	93.1%	7,326,624	91.2%	644,061	8,245,437	91.3%	1,562,873
	Light Duty Trucks	75,578	1.1%	93,608	1.2%	18,030	106,270	1.2%	30,693
	Medium Duty Trucks	95,608	1.3%	133,031	1.7%	37,423	159,169	1.8%	63,561
	Heavy Duty Trucks	325,995	4.5%	479,836	6.0%	153,841	519,500	5.8%	193,505
	Total	7,179,744		8,033,098		853,355	9,030,376		1,850,632
9	m/SP	17.3		16.3			19.7		
	Planning Area 10								
	Gateway								
	Light Duty Autos	7,175,235	89.6%	7,501,743	85.9%	326,508	8,067,486	89.6%	892,252
	Light Duty Trucks	82,526	1.0%	100,305	1.1%	17,780	106,684	1.2%	24,158
	Medium Duty Trucks	139,217	1.7%	189,580	2.2%	50,363	200,764	2.2%	61,547
	Heavy Duty Trucks	609,308	7.6%	937,826	10.7%	328,519	631,959	7.0%	22,651
	Total	8,006,285		8,729,454		723,170	9,006,893		1,000,608
10	m/SP	27.0		27.0			26.3		
	Planning Area 11								
	South Bay								
	Light Duty Autos	4,559,158	91.2%	4,986,360	88.9%	427,202	5,277,178	89.2%	718,020
	Light Duty Trucks	57,014	1.1%	71,345	1.3%	14,331	75,111	1.3%	18,097
	Medium Duty Trucks	89,727	1.8%	125,276	2.2%	35,548	131,169	2.2%	41,442
	Heavy Duty Trucks	292,629	5.9%	426,352	7.6%	133,723	432,756	7.3%	140,127
	Total	4,998,529		5,609,334		610,805	5,916,214		917,685
11	m/SP	24.4		22.8			23.1		
	TOTAL								
	Light Duty Autos	67,076,822	92.8%	84,658,730	91.5%	17,581,908	112,403,136	93.1%	45,326,314
	Light Duty Trucks	682,590	0.9%	940,640	1.0%	258,050	1,174,195	1.0%	491,605
	Medium Duty Trucks	1,070,876	1.5%	1,549,165	1.7%	478,288	1,782,024	1.5%	711,148
	Heavy Duty Trucks	3,456,685	4.8%	5,382,811	5.8%	1,926,126	5,350,408	4.4%	1,893,723
	Total	72,286,974		92,531,346		20,244,373	120,709,763		48,422,789
	Miles/Day/SP	27.6		28.2			27.3		

Daily Vehicle Miles Traveled - Unincorporated Los Angeles County
I-I and 50% X-I Trips
Planning Area 1 Daily VMT

	Antelope Valley	2010		2035		Change (2010 to 2035)	P-2035		Change (2010 to P-2035)
	Light Duty Autos	3,480,332	94.6%	7,484,551	94.6%	4,004,219	19,848,585	96.6%	16,368,253
	Light Duty Trucks	33,361	0.9%	71,790	0.9%	38,429	178,306	0.9%	144,946
	Medium Duty Trucks	41,407	1.1%	80,673	1.0%	39,266	143,907	0.7%	102,500
	Heavy Duty Trucks	123,172	3.3%	273,779	3.5%	150,607	366,431	1.8%	243,259
	Total	3,678,272		7,910,793		4,232,521	20,537,229		16,858,958
1	miles/SP	20.0		26.1			16.3		
	Planning Area 2								
	Santa Clarita Valley								
	Light Duty Autos	3,952,195	94.3%	6,689,308	93.3%	2,737,113	8,030,273	93.5%	4,078,078
	Light Duty Trucks	34,425	0.8%	62,601	0.9%	28,175	77,028	0.9%	42,602
	Medium Duty Trucks	52,266	1.2%	101,077	1.4%	48,811	123,249	1.4%	70,983
	Heavy Duty Trucks	153,095	3.7%	313,301	4.4%	160,205	360,746	4.2%	207,650
	Total	4,191,982		7,166,286		2,974,304	8,591,296		4,399,314
2	miles/SP	18.2		18.3			17.0		
	Planning Area 3								
	San Fernando Valley								
	Light Duty Autos	1,292,345	93.0%	1,442,219	91.5%	149,874	1,873,416	92.9%	581,071
	Light Duty Trucks	11,979	0.9%	15,598	1.0%	3,619	17,602	0.9%	5,623
	Medium Duty Trucks	21,321	1.5%	27,799	1.8%	6,477	32,366	1.6%	11,045
	Heavy Duty Trucks	64,475	4.6%	90,059	5.7%	25,584	92,327	4.6%	27,852
	Total	1,390,121		1,575,675		185,554	2,015,712		625,591
3	miles/SP	14.6		14.0			14.7		
	Planning Area 4								
	Santa Monica Mountains								
	Light Duty Autos	2,193,998	94.3%	2,407,434	93.3%	213,436	2,770,236	93.5%	576,238
	Light Duty Trucks	19,657	0.8%	24,301	0.9%	4,644	26,214	0.9%	6,557
	Medium Duty Trucks	27,434	1.2%	35,459	1.4%	8,025	41,032	1.4%	13,597
	Heavy Duty Trucks	85,072	3.7%	113,897	4.4%	28,825	125,627	4.2%	40,555
	Total	2,326,162		2,581,091		254,929	2,963,109		636,947
4	miles/SP	21.4		21.1			21.0		
	Planning Area 5								
	Westside								
	Light Duty Autos	1,667,213	93.5%	1,770,341	92.0%	103,128	1,769,287	93.5%	102,074
	Light Duty Trucks	14,853	0.8%	17,859	0.9%	3,006	18,353	1.0%	3,500
	Medium Duty Trucks	22,182	1.2%	28,328	1.5%	6,146	28,723	1.5%	6,540
	Heavy Duty Trucks	79,701	4.5%	108,597	5.6%	28,896	76,490	4.0%	-3,211
	Total	1,783,949		1,925,125		141,176	1,892,853		108,904
5	m/SP	14.7		14.0			12.3		
	Planning Area 6								
	East San Gabriel Valley								
	Light Duty Autos	9,140,946	92.8%	10,147,593	91.3%	1,006,647	10,387,509	91.4%	1,246,563
	Light Duty Trucks	94,545	1.0%	116,494	1.0%	21,949	118,776	1.0%	24,231
	Medium Duty Trucks	159,129	1.6%	210,216	1.9%	51,087	218,159	1.9%	59,030
	Heavy Duty Trucks	454,329	4.6%	642,774	5.8%	188,445	638,095	5.6%	183,766
	Total	9,848,950		11,117,077		1,268,128	11,362,539		1,513,589
6	m/SP	15.3		14.8			15.3		

	Planning Area 7							
	West San Gabriel Valley							
	Light Duty Autos	3,993,088	94.0%	4,625,623	92.7%	632,536	4,769,924	92.8%	776,836
	Light Duty Trucks	38,140	0.9%	49,650	1.0%	11,510	50,725	1.0%	12,585
	Medium Duty Trucks	56,102	1.3%	79,050	1.6%	22,947	82,447	1.6%	26,345
	Heavy Duty Trucks	159,810	3.8%	235,111	4.7%	75,302	234,997	4.6%	75,187
	Total	4,247,139		4,989,434		742,295	5,138,092		890,953
7	m/SP	13.2		12.4			12.1		
	Planning Area 9							
	Metro							
	Light Duty Autos	3,419,044	93.2%	3,752,962	91.3%	333,918	4,232,066	91.5%	813,022
	Light Duty Trucks	38,876	1.1%	48,062	1.2%	9,187	54,793	1.2%	15,917
	Medium Duty Trucks	48,095	1.3%	66,834	1.6%	18,739	80,139	1.7%	32,044
	Heavy Duty Trucks	163,517	4.5%	240,476	5.9%	76,959	260,676	5.6%	97,158
	Total	3,669,532		4,108,334		438,802	4,627,673		958,142
9	m/SP	8.9		8.3			10.1		
	Planning Area 10							
	Gateway							
	Light Duty Autos	3,664,202	89.8%	3,830,296	86.1%	166,094	4,126,532	89.7%	462,330
	Light Duty Trucks	42,175	1.0%	51,087	1.1%	8,913	54,456	1.2%	12,281
	Medium Duty Trucks	70,068	1.7%	95,223	2.1%	25,155	100,915	2.2%	30,848
	Heavy Duty Trucks	305,287	7.5%	469,517	10.6%	164,231	316,724	6.9%	11,437
	Total	4,081,731		4,446,123		364,392	4,598,626		516,895
10	m/SP	13.7		13.7			13.4		
	Planning Area 11							
	South Bay							
	Light Duty Autos	2,321,211	91.3%	2,540,466	89.0%	219,254	2,691,026	89.3%	369,814
	Light Duty Trucks	29,088	1.1%	36,327	1.3%	7,239	38,304	1.3%	9,216
	Medium Duty Trucks	45,117	1.8%	62,898	2.2%	17,781	65,890	2.2%	20,772
	Heavy Duty Trucks	146,689	5.8%	213,532	7.5%	66,843	216,792	7.2%	70,103
	Total	2,542,106		2,853,223		311,117	3,012,011		469,905
11	m/SP	12.4		11.6			11.8		
	TOTAL							
	Light Duty Autos	35,124,574	93.0%	44,690,793	91.8%	9,566,219	60,498,854	93.5%	25,374,279
	Light Duty Trucks	357,099	0.9%	493,769	1.0%	136,670	634,556	1.0%	277,457
	Medium Duty Trucks	543,122	1.4%	787,556	1.6%	244,434	916,827	1.4%	373,705
	Heavy Duty Trucks	1,735,147	4.6%	2,701,043	5.5%	965,897	2,688,904	4.2%	953,757
	Total	37,759,943		48,673,162		10,913,219	64,739,141		26,979,198
	Miles/Day/SP	14.4		14.8			14.6		

Daily Trips - Unincorporated Los Angeles County
I-I and X-I Trips
Planning Area 1 Daily VMT

	2010	2035	Change (2010 to 2035)	P-2035	Change (2010 to P-2035)
Light Duty Autos	366,918	601,008	234,090	1,441,647	1,074,729
Light Duty Trucks	3,466	6,209	2,742	16,929	13,463
Medium Duty Trucks	2,291	4,053	1,763	7,192	4,901
Heavy Duty Trucks	3,109	6,755	3,646	9,344	6,235
Total	375,784	618,025	242,241	1,475,112	1,099,328
Planning Area 2					
Light Duty Autos	485,057	809,151	324,094	993,490	508,433
Light Duty Trucks	4,672	8,189	3,517	10,151	5,479
Medium Duty Trucks	3,539	6,329	2,790	7,899	4,360
Heavy Duty Trucks	5,445	10,093	4,648	11,796	6,351
Total	498,714	833,762	335,048	1,023,337	524,623
Planning Area 3					
Light Duty Autos	232,379	261,723	29,344	350,083	117,704
Light Duty Trucks	2,278	2,657	379	3,094	816
Medium Duty Trucks	1,689	1,882	193	2,425	736
Heavy Duty Trucks	2,687	3,146	459	3,463	776
Total	239,033	269,408	30,375	359,065	120,031
Planning Area 4					
Light Duty Autos	261,120	283,352	22,232	317,677	56,557
Light Duty Trucks	2,291	2,557	266	2,736	445
Medium Duty Trucks	1,665	1,860	195	2,217	552
Heavy Duty Trucks	2,875	3,219	344	3,630	755
Total	267,951	290,987	23,037	326,260	58,309
Planning Area 5					
Light Duty Autos	363,224	396,122	32,898	402,152	38,928
Light Duty Trucks	3,723	4,217	493	4,392	669
Medium Duty Trucks	2,446	2,757	311	2,826	380
Heavy Duty Trucks	4,452	5,315	863	3,672	-780
Total	373,846	408,411	34,565	413,042	39,196
Planning Area 6					
Light Duty Autos	1,337,491	1,520,357	182,866	1,561,132	223,641
Light Duty Trucks	15,232	17,110	1,877	17,655	2,423
Medium Duty Trucks	11,070	12,714	1,644	13,556	2,485
Heavy Duty Trucks	21,465	25,640	4,175	25,551	4,086
Total	1,385,259	1,575,821	190,562	1,617,894	232,635

Planning Area 7					
Light Duty Autos	724,290	857,976	133,686	884,673	160,383
Light Duty Trucks	7,494	9,080	1,587	9,337	1,843
Medium Duty Trucks	4,458	5,489	1,030	5,834	1,376
Heavy Duty Trucks	8,691	10,643	1,951	10,643	1,951
Total	744,934	883,188	138,254	910,487	165,553
Planning Area 9					
Light Duty Autos	754,249	851,013	96,764	958,898	204,649
Light Duty Trucks	9,624	10,975	1,351	12,800	3,176
Medium Duty Trucks	4,741	5,430	690	7,143	2,402
Heavy Duty Trucks	11,101	13,072	1,971	14,091	2,991
Total	779,714	880,490	100,776	992,932	213,218
Planning Area 10					
Light Duty Autos	694,493	737,350	42,857	797,812	103,319
Light Duty Trucks	9,014	9,577	564	10,400	1,387
Medium Duty Trucks	6,196	6,656	459	7,325	1,129
Heavy Duty Trucks	21,247	28,906	7,659	13,743	-7,504
Total	730,950	782,489	51,539	829,280	98,330
Planning Area 11					
Light Duty Autos	507,953	571,789	63,836	608,996	101,043
Light Duty Trucks	6,957	7,692	734	8,282	1,325
Medium Duty Trucks	3,927	4,390	463	4,757	829
Heavy Duty Trucks	9,049	10,265	1,216	9,010	-39
Total	527,887	594,136	66,249	631,044	103,158
TOTAL					
Light Duty Autos	5,727,175	6,889,841	1,162,666	8,316,561	2,589,386
Light Duty Trucks	64,752	78,264	13,511	95,777	31,025
Medium Duty Trucks	42,024	51,560	9,536	61,173	19,150
Heavy Duty Trucks	90,121	117,052	26,931	104,943	14,822
Total	5,924,072	7,136,717	1,212,645	8,578,454	2,654,382
VMT Total	72,286,974	46,030,142	92,531,346	0	20,244,373
average trip length (all trips)	12.20	6.45		0.00	

Existing 2010 (with 2035 Emission Rates

Based on EMFAC2011

Emission year

36,401,800					lbs/day		
	Adjust % VMT	**ROG**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
All Other Buses	0.05%	3	43	14	0	7	3
LDA	90.74%	551	3,799	41,880	272	3,380	1,405
LDT1	0.25%	2	13	148	1	9	4
LDT2	0.77%	6	41	429	3	29	12
LHD1	2.04%	32	479	408	10	95	42
LHD2	0.33%	9	114	86	2	21	10
MCY	0.75%	1,131	678	9,323	1	27	11
MDV	1.67%	18	122	1,263	9	62	26
MH	0.13%	2	54	17	1	6	3
Motor Coach	0.05%	7	65	31	1	7	4
OBUS	0.04%	0	6	7	0	2	1
PTO	0.04%	8	61	24	1	1	1
SBUS	0.02%	2	49	14	0	11	5
T6 Ag	0.00%	0	1	0	0	0	0
T6 CAIRP heavy	0.00%	0	0	0	0	0	0
T6 CAIRP small	0.00%	0	1	0	0	0	0
T6 instate construction heavy	0.03%	2	22	7	0	4	2
T6 instate construction small	0.08%	5	55	20	1	11	5
T6 instate heavy	0.14%	10	117	40	1	20	10
T6 instate small	0.42%	26	300	107	4	58	29
T6 OOS heavy	0.00%	0	0	0	0	0	0
T6 OOS small	0.00%	0	1	0	0	0	0
T6 Public	0.02%	1	14	4	0	3	1
T6 utility	0.00%	0	2	1	0	0	0
T6TS	0.18%	2	24	32	1	6	3
T7 Ag	0.00%	0	3	1	0	0	0
T7 CAIRP	0.28%	43	444	200	4	36	21
T7 CAIRP construction	0.02%	3	32	14	0	3	2
T7 NNOOS	0.32%	42	401	195	4	38	21
T7 NOOS	0.10%	16	162	73	1	13	8
T7 other port	0.00%	0	0	0	0	0	0
T7 POAK	0.00%	0	0	0	0	0	0
T7 POLA	0.63%	115	1,290	536	8	89	54
T7 Public	0.02%	2	38	9	0	2	1
T7 Single	0.15%	19	171	87	2	18	10
T7 single construction	0.05%	7	59	30	1	6	3
T7 SWCV	0.05%	6	109	26	1	6	3
T7 tractor	0.40%	61	629	283	5	51	30
T7 tractor construction	0.04%	6	62	28	1	5	3
T7 utility	0.00%	0	2	1	0	0	0
T7IS	0.03%	8	101	522	0	1	0
UBUS	0.15%	25	608	131	2	99	47
TOTAL	100%	**2,169**	**10,171**	**55,991**	**337**	**4,127**	**1,780**

Based on the emission factors for Los Angeles County.

2035 Buildout

Based on EMFAC2011

Emission year	Daily							
Actual P-2035		**48,468,100**			**lbs/day**			
	Percent of VMT	**Adjust % VMT**	**ROG**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
All Other Buses	0.10%	0.04%	3	43	14	0	7	4
LDA	49.19%	92.35%	747	5,149	56,753	369	4,581	1,904
LDT1	5.99%	0.24%	3	16	188	1	12	5
LDT2	18.51%	0.74%	8	52	546	4	36	15
LHD1	4.49%	1.56%	33	486	414	10	97	42
LHD2	0.74%	0.26%	9	115	87	2	22	10
MCY	0.41%	0.77%	1,533	918	12,634	2	37	15
MDV	13.12%	1.48%	22	144	1,483	10	73	30
MH	0.28%	0.10%	2	54	17	1	6	3
Motor Coach	0.10%	0.04%	7	66	31	1	8	4
OBUS	0.10%	0.03%	0	6	7	0	2	1
PTO	0.08%	0.03%	8	62	24	1	1	1
SBUS	0.05%	0.02%	2	50	15	0	11	5
T6 Ag	0.00%	0.00%	0	1	0	0	0	0
T6 CAIRP heavy	0.00%	0.00%	0	0	0	0	0	0
T6 CAIRP small	0.00%	0.00%	0	1	0	0	0	0
T6 instate construction heavy	0.06%	0.02%	2	22	7	0	4	2
T6 instate construction small	0.17%	0.06%	5	56	20	1	11	6
T6 instate heavy	0.31%	0.11%	10	119	40	1	21	11
T6 instate small	0.92%	0.32%	26	304	108	4	59	30
T6 OOS heavy	0.00%	0.00%	0	0	0	0	0	0
T6 OOS small	0.00%	0.00%	0	1	0	0	0	0
T6 Public	0.04%	0.01%	1	14	4	0	3	1
T6 utility	0.01%	0.00%	0	2	1	0	0	0
T6TS	0.39%	0.14%	2	25	32	1	6	3
T7 Ag	0.00%	0.00%	0	3	1	0	0	0
T7 CAIRP	0.62%	0.21%	44	451	203	4	37	21
T7 CAIRP construction	0.04%	0.02%	3	32	15	0	3	2
T7 NNOOS	0.70%	0.24%	43	407	198	4	38	21
T7 NOOS	0.23%	0.08%	16	164	74	1	13	8
T7 other port	0.00%	0.00%	0	0	0	0	0	0
T7 POAK	0.00%	0.00%	0	0	0	0	0	0
T7 POLA	1.38%	0.48%	117	1,308	544	8	90	55
T7 Public	0.04%	0.01%	2	38	9	0	2	1
T7 Single	0.33%	0.12%	19	173	88	2	18	10
T7 single construction	0.12%	0.04%	7	60	31	1	6	3
T7 SWCV	0.11%	0.04%	6	111	26	1	6	3
T7 tractor	0.87%	0.30%	62	639	287	5	52	30
T7 tractor construction	0.09%	0.03%	6	63	28	1	5	3
T7 utility	0.00%	0.00%	0	2	1	0	0	0
T7IS	0.06%	0.02%	8	103	530	0	1	0
UBUS	0.33%	0.12%	25	616	133	2	100	48
TOTAL	100%	100%	**2,779**	**11,877**	**74,596**	**437**	**5,367**	**2,296**

Based on the emission factors for Los Angeles County.

Post-2035 Buildout

Based on EMFAC2011

Emission year	Daily							
Actual P-2035		**78,132,800**			**lbs/day**			
	Percent of VMT	**Adjust % VMT**	**ROG**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
All Other Buses	0.10%	0.04%	6	70	23	1	11	6
LDA	49.19%	92.35%	1,204	8,300	91,489	595	7,384	3,070
LDT1	5.99%	0.24%	4	27	303	2	19	8
LDT2	18.51%	0.74%	12	84	880	6	59	24
LHD1	4.49%	1.56%	53	784	667	16	156	68
LHD2	0.74%	0.26%	14	186	140	2	35	16
MCY	0.41%	0.77%	2,472	1,480	20,367	3	59	24
MDV	13.12%	1.48%	35	232	2,391	17	118	49
MH	0.28%	0.10%	3	88	27	1	10	4
Motor Coach	0.10%	0.04%	11	106	50	1	12	7
OBUS	0.10%	0.03%	1	9	12	0	3	1
PTO	0.08%	0.03%	13	99	39	1	2	2
SBUS	0.05%	0.02%	4	80	23	0	18	8
T6 Ag	0.00%	0.00%	0	1	0	0	0	0
T6 CAIRP heavy	0.00%	0.00%	0	1	0	0	0	0
T6 CAIRP small	0.00%	0.00%	0	2	1	0	0	0
T6 instate construction heavy	0.06%	0.02%	3	35	12	0	6	3
T6 instate construction small	0.17%	0.06%	8	91	32	1	18	9
T6 instate heavy	0.31%	0.11%	16	191	65	2	33	17
T6 instate small	0.92%	0.32%	42	490	175	6	95	48
T6 OOS heavy	0.00%	0.00%	0	0	0	0	0	0
T6 OOS small	0.00%	0.00%	0	1	0	0	0	0
T6 Public	0.04%	0.01%	2	23	7	0	4	2
T6 utility	0.01%	0.00%	0	3	1	0	1	0
T6TS	0.39%	0.14%	2	40	52	1	10	4
T7 Ag	0.00%	0.00%	0	5	2	0	0	0
T7 CAIRP	0.62%	0.21%	70	726	327	6	59	34
T7 CAIRP construction	0.04%	0.02%	5	52	24	0	4	2
T7 NNOOS	0.70%	0.24%	69	655	319	7	62	34
T7 NOOS	0.23%	0.08%	26	265	119	2	21	12
T7 other port	0.00%	0.00%	0	0	0	0	0	0
T7 POAK	0.00%	0.00%	0	0	0	0	0	0
T7 POLA	1.38%	0.48%	189	2,109	877	13	145	88
T7 Public	0.04%	0.01%	3	62	14	0	3	2
T7 Single	0.33%	0.12%	31	279	142	3	29	16
T7 single construction	0.12%	0.04%	11	97	49	1	10	5
T7 SWCV	0.11%	0.04%	9	179	43	1	9	5
T7 tractor	0.87%	0.30%	100	1,029	463	9	83	48
T7 tractor construction	0.09%	0.03%	10	102	46	1	8	5
T7 utility	0.00%	0.00%	0	3	2	0	0	0
T7IS	0.06%	0.02%	12	166	854	0	2	1
UBUS	0.33%	0.12%	41	994	214	4	162	77
TOTAL	100%	100%	**4,480**	**19,146**	**120,253**	**705**	**8,653**	**3,701**

Based on the emission factors for Los Angeles County.

Existing 2010

Based on EMFAC2011-PL

Emission year	Daily							
Actual 2010		**36,401,800**			**lbs/day**			
	Percent of VMT	**Adjust % VMT**	**ROG**	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**
All Other Buses	0.07%	0.04%	11	252	45	0	14	11
LDA	53.31%	92.17%	5,166	15,295	161,627	274	3,531	1,513
LDT1	5.94%	0.23%	34	99	992	1	10	4
LDT2	17.93%	0.71%	44	211	1,617	3	27	12
LHD1	3.92%	2.08%	297	2,684	4,043	10	107	52
LHD2	0.64%	0.34%	49	667	578	2	25	13
MCY	0.36%	0.62%	1,166	640	11,976	1	23	9
MDV	13.43%	1.48%	106	534	3,826	8	56	24
MH	0.16%	0.09%	27	170	817	0	6	3
Motor Coach	0.07%	0.04%	15	388	81	0	14	11
OBUS	0.11%	0.06%	7	70	139	0	2	1
PTO	0.05%	0.02%	19	306	92	0	12	11
SBUS	0.05%	0.03%	13	197	131	0	20	12
T6 Ag	0.00%	0.00%	0	7	1	0	0	0
T6 CAIRP heavy	0.00%	0.00%	0	2	0	0	0	0
T6 CAIRP small	0.00%	0.00%	0	7	1	0	0	0
T6 instate construction heavy	0.03%	0.02%	5	129	21	0	6	5
T6 instate construction small	0.10%	0.05%	10	296	42	0	14	10
T6 instate heavy	0.24%	0.13%	33	875	143	1	41	31
T6 instate small	0.68%	0.36%	65	2,004	287	3	98	69
T6 OOS heavy	0.00%	0.00%	0	1	0	0	0	0
T6 OOS small	0.00%	0.00%	0	4	1	0	0	0
T6 Public	0.03%	0.01%	2	100	10	0	4	3
T6 utility	0.00%	0.00%	0	15	1	0	1	0
T6TS	0.30%	0.16%	51	335	1,044	1	6	3
T7 Ag	0.00%	0.00%	1	31	8	0	1	1
T7 CAIRP	0.35%	0.19%	79	1,773	395	2	75	60
T7 CAIRP construction	0.03%	0.01%	6	131	29	0	6	4
T7 NNOOS	0.40%	0.21%	67	1,462	324	3	61	47
T7 NOOS	0.13%	0.07%	29	646	144	1	27	22
T7 other port	0.00%	0.00%	0	0	0	0	0	0
T7 POAK	0.00%	0.00%	0	0	0	0	0	0
T7 POLA	0.38%	0.20%	51	1,297	236	3	46	34
T7 Public	0.02%	0.01%	4	163	26	0	6	5
T7 Single	0.19%	0.10%	36	1,096	205	1	37	29
T7 single construction	0.07%	0.04%	13	391	73	0	13	10
T7 SWCV	0.07%	0.04%	15	424	89	0	18	15
T7 tractor	0.50%	0.26%	135	2,997	749	4	120	99
T7 tractor construction	0.05%	0.03%	14	307	78	0	12	10
T7 utility	0.00%	0.00%	0	16	1	0	0	0
T7IS	0.04%	0.02%	26	130	771	0	1	0
UBUS	0.32%	0.17%	77	1,822	494	3	124	64
TOTAL	100%	100%	**7,673**	**37,974**	**191,136**	**325**	**4,565**	**2,199**

Based on the emission factors for Los Angeles County.

Existing 2010

Based on EMFAC2011 **(MTons/Year)**

		Annual VMT		GWP	GWP			
		12,631,424,600		**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.03%	37	1	4,538	4,900	4,538	4,900
LDA	53%	92.49%	2,416	77	3,474,066	3,497,882	3,458,875	3,482,691
LDT1	6%	0.24%	16	1	10,430	10,588	10,394	10,552
LDT2	18%	0.73%	34	1	37,508	37,845	37,338	37,675
LHD1	4%	1.93%	392	12	118,176	122,036	118,176	122,036
LHD2	1%	0.32%	97	3	19,958	20,918	19,958	20,918
MCY	0%	0.63%	101	3	9,479	10,475	9,479	10,475
MDV	13%	1.48%	84	3	95,728	96,553	95,455	96,280
MH	0%	0.08%	25	1	5,622	5,866	5,622	5,866
Motor Coach	0%	0.03%	57	2	7,046	7,605	7,046	7,605
OBUS	0%	0.06%	10	0	3,323	3,423	3,323	3,423
PTO	0%	0.02%	45	1	6,106	6,546	6,106	6,546
SBUS	0%	0.03%	29	1	3,248	3,531	3,248	3,531
T6 Ag	0%	0.00%	1	0	125	135	125	135
T6 CAIRP heavy	0%	0.00%	0	0	53	57	53	57
T6 CAIRP small	0%	0.00%	1	0	181	191	181	191
T6 instate construction heavy	0%	0.02%	19	1	2,366	2,553	2,366	2,553
T6 instate construction small	0%	0.05%	43	1	6,750	7,176	6,750	7,176
T6 instate heavy	0%	0.12%	128	4	16,190	17,449	16,190	17,449
T6 instate small	1%	0.33%	292	9	46,386	49,268	46,386	49,268
T6 OOS heavy	0%	0.00%	0	0	31	33	31	33
T6 OOS small	0%	0.00%	1	0	104	110	104	110
T6 Public	0%	0.01%	15	0	1,812	1,956	1,812	1,956
T6 utility	0%	0.00%	2	0	331	352	331	352
T6TS	0%	0.15%	49	2	8,968	9,450	8,968	9,450
T7 Ag	0%	0.00%	5	0	493	538	493	538
T7 CAIRP	0%	0.17%	259	8	37,252	39,803	37,252	39,803
T7 CAIRP construction	0%	0.01%	19	1	2,743	2,932	2,743	2,932
T7 NNOOS	0%	0.20%	213	7	42,010	44,113	42,010	44,113
T7 NOOS	0%	0.06%	94	3	13,566	14,495	13,566	14,495
T7 other port	0%	0.00%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	0%	0.19%	189	6	40,288	42,153	40,288	42,153
T7 Public	0%	0.01%	24	1	2,638	2,873	2,638	2,873
T7 Single	0%	0.09%	160	5	20,078	21,655	20,078	21,655
T7 single construction	0%	0.03%	57	2	7,110	7,672	7,110	7,672
T7 SWCV	0%	0.03%	62	2	7,171	7,780	7,171	7,780
T7 tractor	0%	0.24%	437	14	52,672	56,982	52,672	56,982
T7 tractor construction	0%	0.02%	45	1	5,303	5,745	5,303	5,745
T7 utility	0%	0.00%	2	0	309	332	309	332
T7IS	0%	0.02%	19	1	1,300	1,486	1,300	1,486
UBUS	0%	0.16%	266	8	46,527	49,147	46,527	49,147
TOTAL	100%	100%	**5,743**	**183**	**4,157,984**	**4,214,602**	**4,142,314**	**4,198,931**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Existing 2010

Based on EMFAC2011 **(MTons/Year)**

With RTAC Methodology Applied to VMT

		Annual VMT		GWP	GWP			
		6,598,170,300		**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.03%	19	1	2,370	2,559	2,370	2,559
LDA	53%	92.49%	1,262	40	1,814,719	1,827,159	1,806,783	1,819,224
LDT1	6%	0.24%	8	0	5,448	5,531	5,429	5,512
LDT2	18%	0.73%	18	1	19,593	19,769	19,504	19,680
LHD1	4%	1.93%	205	7	61,731	63,747	61,731	63,747
LHD2	1%	0.32%	51	2	10,425	10,927	10,425	10,927
MCY	0%	0.63%	53	2	4,952	5,472	4,952	5,472
MDV	13%	1.48%	44	1	50,005	50,436	49,862	50,293
MH	0%	0.08%	13	0	2,937	3,064	2,937	3,064
Motor Coach	0%	0.03%	30	1	3,681	3,972	3,681	3,972
OBUS	0%	0.06%	5	0	1,736	1,788	1,736	1,788
PTO	0%	0.02%	23	1	3,189	3,419	3,189	3,419
SBUS	0%	0.03%	15	0	1,697	1,845	1,697	1,845
T6 Ag	0%	0.00%	1	0	65	71	65	71
T6 CAIRP heavy	0%	0.00%	0	0	28	30	28	30
T6 CAIRP small	0%	0.00%	1	0	95	100	95	100
T6 instate construction heavy	0%	0.02%	10	0	1,236	1,333	1,236	1,333
T6 instate construction small	0%	0.05%	23	1	3,526	3,748	3,526	3,748
T6 instate heavy	0%	0.12%	67	2	8,457	9,115	8,457	9,115
T6 instate small	1%	0.33%	153	5	24,230	25,736	24,230	25,736
T6 OOS heavy	0%	0.00%	0	0	16	17	16	17
T6 OOS small	0%	0.00%	0	0	54	57	54	57
T6 Public	0%	0.01%	8	0	946	1,021	946	1,021
T6 utility	0%	0.00%	1	0	173	184	173	184
T6TS	0%	0.15%	26	1	4,684	4,936	4,684	4,936
T7 Ag	0%	0.00%	2	0	258	281	258	281
T7 CAIRP	0%	0.17%	135	4	19,459	20,791	19,459	20,791
T7 CAIRP construction	0%	0.01%	10	0	1,433	1,532	1,433	1,532
T7 NNOOS	0%	0.20%	111	4	21,944	23,043	21,944	23,043
T7 NOOS	0%	0.06%	49	2	7,087	7,572	7,087	7,572
T7 other port	0%	0.00%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	0%	0.19%	99	3	21,045	22,019	21,045	22,019
T7 Public	0%	0.01%	12	0	1,378	1,501	1,378	1,501
T7 Single	0%	0.09%	84	3	10,488	11,312	10,488	11,312
T7 single construction	0%	0.03%	30	1	3,714	4,008	3,714	4,008
T7 SWCV	0%	0.03%	32	1	3,746	4,064	3,746	4,064
T7 tractor	0%	0.24%	228	7	27,514	29,765	27,514	29,765
T7 tractor construction	0%	0.02%	23	1	2,770	3,001	2,770	3,001
T7 utility	0%	0.00%	1	0	161	173	161	173
T7IS	0%	0.02%	10	0	679	776	679	776
UBUS	0%	0.16%	139	4	24,304	25,673	24,304	25,673
TOTAL	100%	100%	**3,000**	**95**	**2,171,971**	**2,201,546**	**2,163,786**	**2,193,360**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Existing 2010 (2035 Emission Rates)

Based on EMFAC2011 **(MTons/Year)**

		Annual VMT		GWP	GWP			
		12,631,424,600		**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.04%	5	0	4,811	4,862	4,330	4,381
LDA	49%	92.35%	609	19	3,480,561	3,486,561	2,077,554	2,083,554
LDT1	6%	0.24%	2	0	10,408	10,427	6,466	6,485
LDT2	19%	0.74%	6	0	37,679	37,740	25,722	25,783
LHD1	4%	1.56%	57	2	95,315	95,882	85,784	86,350
LHD2	1%	0.26%	14	0	15,964	16,098	14,367	14,502
MCY	0%	0.77%	109	3	13,504	14,574	12,153	13,223
MDV	13%	1.48%	17	1	96,991	97,159	67,990	68,158
MH	0%	0.10%	6	0	6,682	6,745	6,013	6,077
Motor Coach	0%	0.04%	8	0	7,611	7,688	6,850	6,927
OBUS	0%	0.03%	1	0	2,009	2,016	1,808	1,815
PTO	0%	0.03%	7	0	7,427	7,499	6,685	6,756
SBUS	0%	0.02%	6	0	2,034	2,092	1,831	1,889
T6 Ag	0%	0.00%	0	0	79	79	71	71
T6 CAIRP heavy	0%	0.00%	0	0	53	53	47	48
T6 CAIRP small	0%	0.00%	0	0	182	184	164	165
T6 instate construction heavy	0%	0.02%	3	0	2,741	2,766	2,467	2,492
T6 instate construction small	0%	0.06%	7	0	8,104	8,169	7,293	7,359
T6 instate heavy	0%	0.11%	14	0	14,865	15,004	13,379	13,517
T6 instate small	1%	0.32%	36	1	43,856	44,210	39,470	39,824
T6 OOS heavy	0%	0.00%	0	0	30	30	27	27
T6 OOS small	0%	0.00%	0	0	104	105	94	95
T6 Public	0%	0.01%	2	0	2,036	2,052	1,832	1,848
T6 utility	0%	0.00%	0	0	350	352	315	317
T6TS	0%	0.14%	3	0	8,108	8,137	7,298	7,326
T7 Ag	0%	0.00%	0	0	312	316	281	285
T7 CAIRP	1%	0.21%	53	2	45,399	45,924	40,859	41,384
T7 CAIRP construction	0%	0.02%	4	0	3,277	3,315	2,949	2,987
T7 NNOOS	1%	0.24%	48	2	51,072	51,546	45,965	46,439
T7 NOOS	0%	0.08%	19	1	16,533	16,724	14,880	15,071
T7 other port	0%	0.00%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	1%	0.48%	155	5	101,112	102,636	91,000	92,525
T7 Public	0%	0.01%	5	0	2,966	3,010	2,669	2,714
T7 Single	0%	0.12%	20	1	24,423	24,625	21,981	22,182
T7 single construction	0%	0.04%	7	0	8,477	8,547	7,629	7,699
T7 SWCV	0%	0.04%	13	0	8,037	8,166	7,233	7,363
T7 tractor	1%	0.30%	75	2	64,057	64,802	57,652	58,396
T7 tractor construction	0%	0.03%	7	0	6,320	6,394	5,688	5,762
T7 utility	0%	0.00%	0	0	328	330	296	297
T7IS	0%	0.02%	12	0	1,291	1,411	1,162	1,281
UBUS	0%	0.12%	73	2	29,710	30,428	26,739	27,457
TOTAL	100%	100%	**1,404**	**45**	**4,224,819**	**4,238,660**	**2,716,994**	**2,730,835**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Existing 2010 (2035 Emission Rates)

Based on EMFAC2011 **(MTons/Year)**

With RTAC Methodology Applied to VMT

		Annual VMT		GWP	GWP			
		6,598,170,300		**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.04%	3	0	2,513	2,540	2,262	2,288
LDA	49%	92.35%	318	10	1,818,111	1,821,245	1,085,234	1,088,368
LDT1	6%	0.24%	1	0	5,437	5,447	3,377	3,388
LDT2	19%	0.74%	3	0	19,682	19,714	13,436	13,468
LHD1	4%	1.56%	30	1	49,789	50,085	44,810	45,106
LHD2	1%	0.26%	7	0	8,339	8,409	7,505	7,575
MCY	0%	0.77%	57	2	7,054	7,613	6,348	6,907
MDV	13%	1.48%	9	0	50,664	50,752	35,515	35,603
MH	0%	0.10%	3	0	3,490	3,523	3,141	3,174
Motor Coach	0%	0.04%	4	0	3,976	4,016	3,578	3,618
OBUS	0%	0.03%	0	0	1,050	1,053	945	948
PTO	0%	0.03%	4	0	3,880	3,917	3,492	3,529
SBUS	0%	0.02%	3	0	1,062	1,093	956	987
T6 Ag	0%	0.00%	0	0	41	41	37	37
T6 CAIRP heavy	0%	0.00%	0	0	27	28	25	25
T6 CAIRP small	0%	0.00%	0	0	95	96	86	86
T6 instate construction heavy	0%	0.02%	1	0	1,432	1,445	1,288	1,302
T6 instate construction small	0%	0.06%	3	0	4,233	4,267	3,810	3,844
T6 instate heavy	0%	0.11%	7	0	7,765	7,837	6,988	7,061
T6 instate small	1%	0.32%	19	1	22,909	23,094	20,618	20,803
T6 OOS heavy	0%	0.00%	0	0	16	16	14	14
T6 OOS small	0%	0.00%	0	0	55	55	49	50
T6 Public	0%	0.01%	1	0	1,063	1,072	957	965
T6 utility	0%	0.00%	0	0	183	184	165	166
T6TS	0%	0.14%	2	0	4,236	4,251	3,812	3,827
T7 Ag	0%	0.00%	0	0	163	165	147	149
T7 CAIRP	1%	0.21%	28	1	23,715	23,989	21,343	21,618
T7 CAIRP construction	0%	0.02%	2	0	1,712	1,731	1,541	1,560
T7 NNOOS	1%	0.24%	25	1	26,678	26,926	24,010	24,258
T7 NOOS	0%	0.08%	10	0	8,636	8,736	7,773	7,873
T7 other port	0%	0.00%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	1%	0.48%	81	3	52,817	53,613	47,535	48,332
T7 Public	0%	0.01%	2	0	1,549	1,573	1,394	1,418
T7 Single	0%	0.12%	11	0	12,758	12,863	11,482	11,587
T7 single construction	0%	0.04%	4	0	4,428	4,465	3,985	4,022
T7 SWCV	0%	0.04%	7	0	4,198	4,266	3,778	3,846
T7 tractor	1%	0.30%	39	1	33,461	33,850	30,115	30,504
T7 tractor construction	0%	0.03%	4	0	3,301	3,340	2,971	3,010
T7 utility	0%	0.00%	0	0	172	173	154	155
T7IS	0%	0.02%	6	0	674	737	607	669
UBUS	0%	0.12%	38	1	15,519	15,895	13,967	14,343
TOTAL	100%	100%	**733**	**23**	**2,206,883**	**2,214,113**	**1,419,253**	**1,426,483**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Horizon 2035 **(MTons/Year)**

Based on EMFAC2011

		Annual VMT			GWP	GWP			
		16,818,430,700			**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**		**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.04%	7		0	6,406	6,473	5,766	5,833
LDA	49%	92.35%	810		26	4,634,281	4,642,270	2,766,212	2,774,201
LDT1	6%	0.24%	3		0	13,858	13,883	8,609	8,635
LDT2	19%	0.74%	8		0	50,169	50,250	34,248	34,330
LHD1	4%	1.56%	77		2	126,910	127,665	114,219	114,974
LHD2	1%	0.26%	18		1	21,255	21,434	19,130	19,309
MCY	0%	0.77%	145		5	17,980	19,405	16,182	17,607
MDV	13%	1.48%	23		1	129,141	129,364	90,527	90,750
MH	0%	0.10%	9		0	8,896	8,981	8,007	8,091
Motor Coach	0%	0.04%	10		0	10,134	10,237	9,121	9,223
OBUS	0%	0.03%	1		0	2,675	2,685	2,408	2,417
PTO	0%	0.03%	10		0	9,889	9,985	8,900	8,996
SBUS	0%	0.02%	8		0	2,708	2,786	2,437	2,515
T6 Ag	0%	0.00%	0		0	105	106	94	95
T6 CAIRP heavy	0%	0.00%	0		0	70	71	63	64
T6 CAIRP small	0%	0.00%	0		0	243	244	218	220
T6 instate construction heavy	0%	0.02%	3		0	3,649	3,683	3,284	3,318
T6 instate construction small	0%	0.06%	9		0	10,790	10,877	9,711	9,798
T6 instate heavy	0%	0.11%	19		1	19,793	19,977	17,813	17,998
T6 instate small	1%	0.32%	48		2	58,393	58,864	52,554	53,025
T6 OOS heavy	0%	0.00%	0		0	40	41	36	36
T6 OOS small	0%	0.00%	0		0	139	140	125	126
T6 Public	0%	0.01%	2		0	2,710	2,732	2,439	2,461
T6 utility	0%	0.00%	0		0	466	469	420	422
T6TS	0%	0.14%	4		0	10,796	10,835	9,717	9,755
T7 Ag	0%	0.00%	0		0	416	421	374	379
T7 CAIRP	1%	0.21%	71		2	60,448	61,147	54,403	55,102
T7 CAIRP construction	0%	0.02%	5		0	4,363	4,413	3,927	3,977
T7 NNOOS	1%	0.24%	64		2	68,002	68,633	61,202	61,832
T7 NOOS	0%	0.08%	26		1	22,014	22,268	19,812	20,067
T7 other port	0%	0.00%	0		0	0	0	0	0
T7 POAK	0%	0.00%	0		0	0	0	0	0
T7 POLA	1%	0.48%	206		7	134,628	136,658	121,165	123,195
T7 Public	0%	0.01%	6		0	3,949	4,008	3,554	3,613
T7 Single	0%	0.12%	27		1	32,519	32,787	29,267	29,535
T7 single construction	0%	0.04%	9		0	11,287	11,380	10,158	10,252
T7 SWCV	0%	0.04%	17		1	10,701	10,873	9,631	9,803
T7 tractor	1%	0.30%	101		3	85,291	86,282	76,762	77,753
T7 tractor construction	0%	0.03%	10		0	8,415	8,513	7,574	7,672
T7 utility	0%	0.00%	0		0	437	440	394	396
T7IS	0%	0.02%	16		1	1,718	1,878	1,547	1,706
UBUS	0%	0.12%	97		3	39,558	40,515	35,602	36,559
TOTAL	100%	100%	**1,869**		**59**	**5,625,243**	**5,643,671**	**3,617,611**	**3,636,039**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Horizon 2035 (MTons/Year)

Based on EMFAC2011

With RTAC Methodology Applied to VMT

		Annual VMT		GWP	GWP			
		8,846,799,700		**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.04%	4	0	3,370	3,405	3,033	3,068
LDA	49%	92.35%	426	14	2,437,716	2,441,918	1,455,078	1,459,280
LDT1	6%	0.24%	1	0	7,290	7,303	4,529	4,542
LDT2	19%	0.74%	4	0	26,390	26,433	18,015	18,058
LHD1	4%	1.56%	40	1	66,757	67,154	60,081	60,478
LHD2	1%	0.26%	10	0	11,181	11,275	10,063	10,157
MCY	0%	0.77%	76	2	9,458	10,207	8,512	9,261
MDV	13%	1.48%	12	0	67,931	68,048	47,619	47,736
MH	0%	0.10%	4	0	4,680	4,724	4,212	4,256
Motor Coach	0%	0.04%	5	0	5,331	5,385	4,798	4,852
OBUS	0%	0.03%	0	0	1,407	1,412	1,267	1,271
PTO	0%	0.03%	5	0	5,202	5,252	4,682	4,732
SBUS	0%	0.02%	4	0	1,425	1,465	1,282	1,323
T6 Ag	0%	0.00%	0	0	55	56	49	50
T6 CAIRP heavy	0%	0.00%	0	0	37	37	33	33
T6 CAIRP small	0%	0.00%	0	0	128	129	115	116
T6 instate construction heavy	0%	0.02%	2	0	1,920	1,937	1,728	1,745
T6 instate construction small	0%	0.06%	5	0	5,676	5,721	5,108	5,154
T6 instate heavy	0%	0.11%	10	0	10,411	10,508	9,370	9,467
T6 instate small	1%	0.32%	25	1	30,716	30,964	27,644	27,892
T6 OOS heavy	0%	0.00%	0	0	21	21	19	19
T6 OOS small	0%	0.00%	0	0	73	74	66	66
T6 Public	0%	0.01%	1	0	1,426	1,437	1,283	1,294
T6 utility	0%	0.00%	0	0	245	247	221	222
T6TS	0%	0.14%	2	0	5,679	5,699	5,111	5,131
T7 Ag	0%	0.00%	0	0	219	221	197	199
T7 CAIRP	1%	0.21%	37	1	31,797	32,164	28,617	28,985
T7 CAIRP construction	0%	0.02%	3	0	2,295	2,322	2,066	2,092
T7 NNOOS	1%	0.24%	34	1	35,770	36,102	32,193	32,525
T7 NOOS	0%	0.08%	14	0	11,580	11,713	10,422	10,556
T7 other port	0%	0.00%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	1%	0.48%	108	3	70,817	71,884	63,735	64,803
T7 Public	0%	0.01%	3	0	2,077	2,108	1,869	1,901
T7 Single	0%	0.12%	14	0	17,105	17,247	15,395	15,536
T7 single construction	0%	0.04%	5	0	5,937	5,986	5,343	5,393
T7 SWCV	0%	0.04%	9	0	5,629	5,720	5,066	5,157
T7 tractor	1%	0.30%	53	2	44,865	45,386	40,378	40,899
T7 tractor construction	0%	0.03%	5	0	4,427	4,478	3,984	4,036
T7 utility	0%	0.00%	0	0	230	231	207	208
T7IS	0%	0.02%	9	0	904	988	814	898
UBUS	0%	0.12%	51	2	20,808	21,311	18,727	19,231
TOTAL	100%	100%	**983**	**31**	**2,958,980**	**2,968,673**	**1,902,929**	**1,912,622**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Post 2035 **(MTons/Year)**

Based on EMFAC2011

		Annual VMT		GWP	GWP			
		27,112,081,600		**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.04%	11	0	10,327	10,435	9,295	9,403
LDA	49%	92.35%	1,306	42	7,470,673	7,483,552	4,459,260	4,472,139
LDT1	6%	0.24%	4	0	22,340	22,381	13,878	13,919
LDT2	19%	0.74%	13	0	80,875	81,006	55,210	55,341
LHD1	4%	1.56%	123	4	204,585	205,801	184,126	185,343
LHD2	1%	0.26%	29	1	34,265	34,553	30,838	31,126
MCY	0%	0.77%	233	7	28,984	31,281	26,086	28,383
MDV	13%	1.48%	36	1	208,182	208,542	145,934	146,293
MH	0%	0.10%	14	0	14,341	14,477	12,907	13,043
Motor Coach	0%	0.04%	17	1	16,337	16,502	14,703	14,869
OBUS	0%	0.03%	1	0	4,313	4,328	3,882	3,896
PTO	0%	0.03%	16	0	15,942	16,096	14,348	14,502
SBUS	0%	0.02%	13	0	4,366	4,490	3,929	4,054
T6 Ag	0%	0.00%	0	0	169	170	152	153
T6 CAIRP heavy	0%	0.00%	0	0	113	114	102	103
T6 CAIRP small	0%	0.00%	0	0	391	394	352	355
T6 instate construction heavy	0%	0.02%	6	0	5,883	5,937	5,294	5,349
T6 instate construction small	0%	0.06%	14	0	17,393	17,534	15,654	15,795
T6 instate heavy	0%	0.11%	30	1	31,907	32,204	28,716	29,013
T6 instate small	1%	0.32%	77	2	94,132	94,892	84,719	85,479
T6 OOS heavy	0%	0.00%	0	0	65	65	58	59
T6 OOS small	0%	0.00%	0	0	224	226	202	204
T6 Public	0%	0.01%	4	0	4,369	4,404	3,932	3,967
T6 utility	0%	0.00%	0	0	752	756	677	681
T6TS	0%	0.14%	6	0	17,404	17,466	15,664	15,725
T7 Ag	0%	0.00%	1	0	671	678	604	611
T7 CAIRP	1%	0.21%	114	4	97,445	98,572	87,700	88,827
T7 CAIRP construction	0%	0.02%	8	0	7,033	7,115	6,330	6,411
T7 NNOOS	1%	0.24%	103	3	109,622	110,639	98,660	99,677
T7 NOOS	0%	0.08%	42	1	35,487	35,897	31,938	32,349
T7 other port	0%	0.00%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	1%	0.48%	332	11	217,026	220,299	195,323	198,596
T7 Public	0%	0.01%	10	0	6,365	6,461	5,729	5,825
T7 Single	0%	0.12%	44	1	52,422	52,854	47,179	47,612
T7 single construction	0%	0.04%	15	0	18,195	18,346	16,376	16,526
T7 SWCV	0%	0.04%	28	1	17,250	17,528	15,525	15,803
T7 tractor	1%	0.30%	162	5	137,493	139,090	123,744	125,341
T7 tractor construction	0%	0.03%	16	1	13,566	13,724	12,209	12,367
T7 utility	0%	0.00%	0	0	705	709	635	639
T7IS	0%	0.02%	26	1	2,770	3,028	2,493	2,751
UBUS	0%	0.12%	156	5	63,769	65,311	57,392	58,934
TOTAL	100%	100%	**3,014**	**96**	**9,068,149**	**9,097,857**	**5,831,754**	**5,861,461**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Post 2035 (MTons/Year)

Based on EMFAC2011

With RTAC Methodology Applied to VMT

		Annual VMT		GWP	GWP			
		14,540,792,100		**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.04%	6	0	5,539	5,597	4,985	5,043
LDA	49%	92.35%	701	22	4,006,682	4,013,590	2,391,597	2,398,504
LDT1	6%	0.24%	2	0	11,981	12,003	7,443	7,465
LDT2	19%	0.74%	7	0	43,375	43,445	29,610	29,681
LHD1	4%	1.56%	66	2	109,723	110,376	98,751	99,403
LHD2	1%	0.26%	16	0	18,377	18,531	16,539	16,694
MCY	0%	0.77%	125	4	15,545	16,777	13,990	15,222
MDV	13%	1.48%	20	1	111,652	111,845	78,267	78,460
MH	0%	0.10%	7	0	7,692	7,764	6,922	6,995
Motor Coach	0%	0.04%	9	0	8,762	8,851	7,886	7,974
OBUS	0%	0.03%	1	0	2,313	2,321	2,082	2,090
PTO	0%	0.03%	8	0	8,550	8,633	7,695	7,778
SBUS	0%	0.02%	7	0	2,341	2,408	2,107	2,174
T6 Ag	0%	0.00%	0	0	90	91	81	82
T6 CAIRP heavy	0%	0.00%	0	0	61	61	55	55
T6 CAIRP small	0%	0.00%	0	0	210	211	189	190
T6 instate construction heavy	0%	0.02%	3	0	3,155	3,184	2,839	2,869
T6 instate construction small	0%	0.06%	8	0	9,328	9,404	8,396	8,471
T6 instate heavy	0%	0.11%	16	1	17,112	17,271	15,401	15,560
T6 instate small	1%	0.32%	41	1	50,485	50,893	45,437	45,844
T6 OOS heavy	0%	0.00%	0	0	35	35	31	32
T6 OOS small	0%	0.00%	0	0	120	121	108	109
T6 Public	0%	0.01%	2	0	2,343	2,362	2,109	2,128
T6 utility	0%	0.00%	0	0	403	405	363	365
T6TS	0%	0.14%	3	0	9,334	9,367	8,401	8,434
T7 Ag	0%	0.00%	0	0	360	364	324	328
T7 CAIRP	1%	0.21%	61	2	52,262	52,866	47,036	47,640
T7 CAIRP construction	0%	0.02%	4	0	3,772	3,816	3,395	3,439
T7 NNOOS	1%	0.24%	55	2	58,793	59,338	52,913	53,459
T7 NOOS	0%	0.08%	22	1	19,032	19,253	17,129	17,349
T7 other port	0%	0.00%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	1%	0.48%	178	6	116,396	118,151	104,756	106,511
T7 Public	0%	0.01%	5	0	3,414	3,465	3,072	3,124
T7 Single	0%	0.12%	24	1	28,115	28,347	25,303	25,535
T7 single construction	0%	0.04%	8	0	9,758	9,839	8,783	8,863
T7 SWCV	0%	0.04%	15	0	9,252	9,401	8,327	8,476
T7 tractor	1%	0.30%	87	3	73,740	74,597	66,366	67,223
T7 tractor construction	0%	0.03%	9	0	7,276	7,360	6,548	6,633
T7 utility	0%	0.00%	0	0	378	380	340	342
T7IS	0%	0.02%	14	0	1,486	1,624	1,337	1,475
UBUS	0%	0.12%	84	3	34,201	35,028	30,781	31,608
TOTAL	100%	100%	**1,616**	**51**	**4,863,443**	**4,879,376**	**3,127,695**	**3,143,628**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily vehicles miles traveled (VMT) multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

LA COUNTY 2035 - all Model Years (40 MPH)

g/mile

Region_Type	Region	CalYr	Season	Veh	ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_RUNEX	PM10_PMTW	PM10_PMBW	PM10_Total	PM2_5_RUNEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_Total	CO2_RUNEX	CO2(Pavley I + LCFS)_RUNEX	VMT from EMFAC-SG	%VMT
County	Los Angele	2035	Annual	All Other Buses	9.09E-02	1.15E+00	3.75E-01	1.07E-02	3.79E-02	1.20E-02	1.30E-01	1.80E-01	3.49E-02	3.00E-03	5.59E-02	9.37E-02	1.08E+03	9.75E+02	241,949	0%
County	Los Angele	2035	Annual	LDA	7.57E-03	5.22E-02	5.75E-01	3.74E-03	1.67E-03	8.00E-03	3.67E-02	4.64E-02	1.55E-03	2.00E-03	1.57E-02	1.93E-02	2.98E+02	1.78E+02	117,300,261	49%
County	Los Angele	2035	Annual	LDT1	1.02E-02	6.49E-02	7.40E-01	4.34E-03	1.68E-03	8.00E-03	3.67E-02	4.64E-02	1.55E-03	2.00E-03	1.57E-02	1.93E-02	3.47E+02	2.15E+02	14,273,056	6%
County	Los Angele	2035	Annual	LDT2	9.66E-03	6.67E-02	6.95E-01	5.09E-03	1.65E-03	8.00E-03	3.67E-02	4.64E-02	1.53E-03	2.00E-03	1.57E-02	1.93E-02	4.06E+02	2.77E+02	44,133,353	19%
County	Los Angele	2035	Annual	LHD1	1.97E-02	2.92E-01	2.49E-01	6.01E-03	4.33E-03	8.83E-03	4.50E-02	5.81E-02	3.98E-03	2.21E-03	1.93E-02	2.55E-02	4.84E+02	4.36E+02	10,716,328	4%
County	Los Angele	2035	Annual	LHD2	3.17E-02	4.23E-01	3.18E-01	5.67E-03	8.64E-03	9.85E-03	6.10E-02	7.95E-02	7.95E-03	2.46E-03	2.62E-02	3.66E-02	4.96E+02	4.46E+02	1,754,143	1%
County	Los Angele	2035	Annual	MCY	1.87E+00	1.12E+00	1.54E+01	1.96E-03	1.81E-04	8.00E-03	3.67E-02	4.49E-02	1.57E-04	2.00E-03	1.57E-02	1.79E-02	1.39E+02	1.25E+02	973,851	0%
County	Los Angele	2035	Annual	MDV	1.38E-02	9.11E-02	9.40E-01	6.51E-03	1.61E-03	8.00E-03	3.67E-02	4.64E-02	1.49E-03	2.00E-03	1.57E-02	1.92E-02	5.20E+02	3.65E+02	31,292,738	13%
County	Los Angele	2035	Annual	MH	1.74E-02	5.31E-01	1.66E-01	6.74E-03	4.48E-03	8.48E-03	4.80E-02	6.09E-02	4.12E-03	2.12E-03	2.06E-02	2.68E-02	5.53E+02	4.97E+02	658,221	0%
County	Los Angele	2035	Annual	Motor Coach	1.74E-01	1.72E+00	8.10E-01	1.64E-02	5.51E-02	1.20E-02	1.30E-01	1.97E-01	5.07E-02	3.00E-03	5.59E-02	1.10E-01	1.67E+03	1.51E+03	247,648	0%
County	Los Angele	2035	Annual	OBUS	1.01E-02	1.65E-01	2.07E-01	6.18E-03	1.36E-04	8.00E-03	3.67E-02	4.49E-02	1.26E-04	2.00E-03	1.57E-02	1.79E-02	4.75E+02	4.28E+02	230,231	0%
County	Los Angele	2035	Annual	PTO	2.65E-01	2.07E+00	8.15E-01	2.02E-02	4.42E-02			4.42E-02	4.07E-02			4.07E-02	2.12E+03	1.91E+03	191,034	0%
County	Los Angele	2035	Annual	SBUS	1.33E-01	2.66E+00	7.76E-01	1.08E-02	3.58E-02	1.08E-02	5.33E-01	5.80E-01	3.29E-02	2.70E-03	2.29E-01	2.64E-01	9.19E+02	8.27E+02	120,578	0%
County	Los Angele	2035	Annual	T6 Ag	8.86E-02	1.10E+00	3.65E-01	1.07E-02	3.66E-02	1.20E-02	1.30E-01	1.79E-01	3.37E-02	3.00E-03	5.59E-02	9.26E-02	1.08E+03	9.75E+02	3,947	0%
County	Los Angele	2035	Annual	T6 CAIRP heavy	7.74E-02	9.01E-01	3.19E-01	1.07E-02	3.08E-02	1.20E-02	1.30E-01	1.73E-01	2.83E-02	3.00E-03	5.59E-02	8.72E-02	1.08E+03	9.75E+02	2,647	0%
County	Los Angele	2035	Annual	T6 CAIRP small	7.36E-02	8.29E-01	3.03E-01	1.07E-02	2.88E-02	1.20E-02	1.30E-01	1.71E-01	2.65E-02	3.00E-03	5.59E-02	8.53E-02	1.08E+03	9.75E+02	9,164	0%
County	Los Angele	2035	Annual	T6 instate construction heavy	8.41E-02	1.02E+00	3.47E-01	1.07E-02	3.43E-02	1.20E-02	1.30E-01	1.77E-01	3.16E-02	3.00E-03	5.59E-02	9.04E-02	1.08E+03	9.75E+02	137,822	0%
County	Los Angele	2035	Annual	T6 instate construction small	7.68E-02	8.88E-01	3.17E-01	1.07E-02	3.05E-02	1.20E-02	1.30E-01	1.73E-01	2.81E-02	3.00E-03	5.59E-02	8.69E-02	1.08E+03	9.75E+02	407,513	0%
County	Los Angele	2035	Annual	T6 instate heavy	8.41E-02	1.02E+00	3.47E-01	1.07E-02	3.43E-02	1.20E-02	1.30E-01	1.77E-01	3.16E-02	3.00E-03	5.59E-02	9.04E-02	1.08E+03	9.75E+02	747,531	0%
County	Los Angele	2035	Annual	T6 instate small	7.68E-02	8.87E-01	3.17E-01	1.07E-02	3.05E-02	1.20E-02	1.30E-01	1.73E-01	2.80E-02	3.00E-03	5.59E-02	8.69E-02	1.08E+03	9.75E+02	2,205,442	1%
County	Los Angele	2035	Annual	T6 OOS heavy	7.74E-02	9.01E-01	3.19E-01	1.07E-02	3.08E-02	1.20E-02	1.30E-01	1.73E-01	2.83E-02	3.00E-03	5.59E-02	8.72E-02	1.08E+03	9.75E+02	1,518	0%
County	Los Angele	2035	Annual	T6 OOS small	7.36E-02	8.29E-01	3.03E-01	1.07E-02	2.88E-02	1.20E-02	1.30E-01	1.71E-01	2.65E-02	3.00E-03	5.59E-02	8.53E-02	1.08E+03	9.75E+02	5,254	0%
County	Los Angele	2035	Annual	T6 Public	6.56E-02	8.81E-01	2.71E-01	1.07E-02	2.48E-02	1.20E-02	1.30E-01	1.67E-01	2.29E-02	3.00E-03	5.59E-02	8.17E-02	1.08E+03	9.76E+02	102,231	0%
County	Los Angele	2035	Annual	T6 utility	6.20E-02	6.07E-01	2.55E-01	1.07E-02	2.26E-02	1.20E-02	1.30E-01	1.65E-01	2.08E-02	3.00E-03	5.59E-02	7.97E-02	1.08E+03	9.75E+02	17,613	0%
County	Los Angele	2035	Annual	T6TS	1.06E-02	1.71E-01	2.23E-01	6.18E-03	1.39E-04	8.00E-03	3.67E-02	4.49E-02	1.29E-04	2.00E-03	1.57E-02	1.79E-02	4.75E+02	4.28E+02	929,058	0%
County	Los Angele	2035	Annual	T7 Ag	1.85E-01	1.86E+00	8.57E-01	1.64E-02	5.90E-02	3.60E-02	6.17E-02	1.57E-01	5.43E-02	9.00E-03	2.65E-02	8.98E-02	1.67E+03	1.51E+03	10,163	0%
County	Los Angele	2035	Annual	T7 CAIRP	1.90E-01	1.96E+00	8.84E-01	1.64E-02	6.18E-02	3.60E-02	6.17E-02	1.59E-01	5.68E-02	9.00E-03	2.65E-02	9.23E-02	1.67E+03	1.51E+03	1,477,147	1%
County	Los Angele	2035	Annual	T7 CAIRP construction	1.90E-01	1.96E+00	8.84E-01	1.64E-02	6.18E-02	3.60E-02	6.17E-02	1.59E-01	5.68E-02	9.00E-03	2.65E-02	9.23E-02	1.67E+03	1.51E+03	106,619	0%
County	Los Angele	2035	Annual	T7 NNOOS	1.65E-01	1.57E+00	7.66E-01	1.64E-02	5.12E-02	3.60E-02	6.17E-02	1.49E-01	4.71E-02	9.00E-03	2.65E-02	8.26E-02	1.67E+03	1.51E+03	1,661,735	1%
County	Los Angele	2035	Annual	T7 NOOS	1.90E-01	1.96E+00	8.84E-01	1.64E-02	6.18E-02	3.60E-02	6.17E-02	1.59E-01	5.68E-02	9.00E-03	2.65E-02	9.23E-02	1.67E+03	1.51E+03	537,939	0%
County	Los Angele	2035	Annual	T7 other port								0.00E+00				0.00E+00			0	0%
County	Los Angele	2035	Annual	T7 POAK								0.00E+00				0.00E+00			0	0%
County	Los Angele	2035	Annual	T7 POLA	2.29E-01	2.56E+00	1.06E+00	1.64E-02	7.80E-02	3.60E-02	6.17E-02	1.76E-01	7.18E-02	9.00E-03	2.65E-02	1.07E-01	1.67E+03	1.51E+03	3,289,852	1%
County	Los Angele	2035	Annual	T7 Public	1.24E-01	2.57E+00	5.79E-01	1.64E-02	3.80E-02	3.60E-02	6.17E-02	1.36E-01	3.49E-02	9.00E-03	2.65E-02	7.04E-02	1.68E+03	1.51E+03	96,082	0%
County	Los Angele	2035	Annual	T7 Single	1.54E-01	1.40E+00	7.15E-01	1.64E-02	4.66E-02	3.60E-02	6.17E-02	1.44E-01	4.28E-02	9.00E-03	2.65E-02	7.83E-02	1.67E+03	1.51E+03	794,624	0%
County	Los Angele	2035	Annual	T7 single construction	1.54E-01	1.40E+00	7.15E-01	1.64E-02	4.66E-02	3.60E-02	6.17E-02	1.44E-01	4.29E-02	9.00E-03	2.65E-02	7.83E-02	1.67E+03	1.51E+03	275,809	0%
County	Los Angele	2035	Annual	T7 SWCV	1.40E-01	2.75E+00	6.53E-01	1.64E-02	4.42E-02	3.60E-02	6.17E-02	1.42E-01	4.06E-02	9.00E-03	2.65E-02	7.61E-02	1.68E+03	1.51E+03	260,339	0%
County	Los Angele	2035	Annual	T7 tractor	1.91E-01	1.97E+00	8.88E-01	1.64E-02	6.20E-02	3.60E-02	6.17E-02	1.60E-01	5.71E-02	9.00E-03	2.65E-02	9.25E-02	1.67E+03	1.51E+03	2,084,171	1%
County	Los Angele	2035	Annual	T7 tractor construction	1.91E-01	1.98E+00	8.90E-01	1.64E-02	6.22E-02	3.60E-02	6.17E-02	1.60E-01	5.72E-02	9.00E-03	2.65E-02	9.27E-02	1.67E+03	1.51E+03	205,636	0%
County	Los Angele	2035	Annual	T7 utility	1.25E-01	9.54E-01	5.79E-01	1.64E-02	3.44E-02	3.60E-02	6.17E-02	1.32E-01	3.16E-02	9.00E-03	2.65E-02	6.71E-02	1.67E+03	1.51E+03	10,688	0%
County	Los Angele	2035	Annual	T7IS	3.35E-01	4.48E+00	2.31E+01	6.66E-03	1.28E-04	8.00E-03	3.67E-02	4.49E-02	1.18E-04	2.00E-03	1.57E-02	1.79E-02	4.75E+02	4.28E+02	147,875	0%
County	Los Angele	2035	Annual	UBUS	2.03E-01	4.97E+00	1.07E+00	1.98E-02	7.82E-02	8.00E-03	7.22E-01	8.08E-01	7.19E-02	2.00E-03	3.09E-01	3.83E-01	2.03E+03	1.82E+03	798,108	0%
																			238,459,916	100%

LA COUNTY 2035 - all Model Years (40 MPH) #

lbs/Mile

Region_Type	Region	CalYr	Season	Veh	ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_PMTW	PM10_PMBW	PM10_RUNEX	PM10_Total	PM2_5_PMTW	PM2_5_PMBW	PM2_5_RUNEX	PM2_5_Total	CO2_RUNEX	CO2(Pavley I + LCFS)_RUNEX
County	Los Angele	2035	Annual	All Other Buses	2.004E-04	2.535E-03	8.259E-04	2.360E-05	8.359E-05	2.646E-05	2.873E-04	3.974E-04	7.690E-05	6.614E-06	1.231E-04	2.067E-04	2.387E+00	2.149E+00
County	Los Angele	2035	Annual	LDA	1.669E-05	1.150E-04	1.268E-03	8.247E-06	3.680E-06	1.764E-05	8.102E-05	1.023E-04	3.414E-06	4.409E-06	3.472E-05	4.255E-05	6.578E-01	3.926E-01
County	Los Angele	2035	Annual	LDT1	2.256E-05	1.431E-04	1.632E-03	9.575E-06	3.694E-06	1.764E-05	8.102E-05	1.023E-04	3.427E-06	4.409E-06	3.472E-05	4.256E-05	7.642E-01	4.747E-01
County	Los Angele	2035	Annual	LDT2	2.129E-05	1.471E-04	1.533E-03	1.122E-05	3.646E-06	1.764E-05	8.102E-05	1.023E-04	3.383E-06	4.409E-06	3.472E-05	4.251E-05	8.947E-01	6.108E-01
County	Los Angele	2035	Annual	LHD1	4.336E-05	6.440E-04	5.482E-04	1.324E-05	9.545E-06	1.947E-05	9.917E-05	1.282E-04	8.784E-06	4.866E-06	4.250E-05	5.615E-05	1.068E+00	9.610E-01
County	Los Angele	2035	Annual	LHD2	6.988E-05	9.319E-04	7.019E-04	1.250E-05	1.904E-05	2.172E-05	1.345E-04	1.753E-04	1.752E-05	5.430E-06	5.766E-05	8.061E-05	1.092E+00	9.832E-01
County	Los Angele	2035	Annual	MCY	4.126E-03	2.471E-03	3.400E-02	4.323E-06	3.982E-07	1.764E-05	8.102E-05	9.905E-05	3.452E-07	4.409E-06	3.472E-05	3.948E-05	3.074E-01	2.767E-01
County	Los Angele	2035	Annual	MDV	3.032E-05	2.009E-04	2.073E-03	1.436E-05	3.546E-06	1.764E-05	8.102E-05	1.022E-04	3.290E-06	4.409E-06	3.472E-05	4.242E-05	1.147E+00	8.038E-01
County	Los Angele	2035	Annual	MH	3.828E-05	1.172E-03	3.661E-04	1.487E-05	9.879E-06	1.870E-05	1.058E-04	1.344E-04	9.090E-06	4.674E-06	4.533E-05	5.910E-05	1.219E+00	1.097E+00
County	Los Angele	2035	Annual	Motor Coach	3.845E-04	3.784E-03	1.785E-03	3.608E-05	1.214E-04	2.646E-05	2.873E-04	4.352E-04	1.117E-04	6.614E-06	1.231E-04	2.415E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	OBUS	2.226E-05	3.629E-04	4.567E-04	1.362E-05	3.001E-07	1.764E-05	8.102E-05	9.896E-05	2.784E-07	4.409E-06	3.472E-05	3.941E-05	1.048E+00	9.429E-01
County	Los Angele	2035	Annual	PTO	5.837E-04	4.571E-03	1.796E-03	4.453E-05	9.748E-05	0.000E+00	0.000E+00	9.748E-05	8.969E-05	0.000E+00	0.000E+00	8.969E-05	4.667E+00	4.201E+00
County	Los Angele	2035	Annual	SBUS	2.930E-04	5.870E-03	1.711E-03	2.384E-05	7.888E-05	2.382E-05	1.176E-03	1.279E-03	7.257E-05	5.956E-06	5.040E-04	5.825E-04	2.025E+00	1.822E+00
County	Los Angele	2035	Annual	T6 Ag	1.954E-04	2.417E-03	8.055E-04	2.359E-05	8.076E-05	2.646E-05	2.873E-04	3.946E-04	7.430E-05	6.614E-06	1.231E-04	2.041E-04	2.388E+00	2.149E+00
County	Los Angele	2035	Annual	T6 CAIRP heavy	1.707E-04	1.986E-03	7.034E-04	2.357E-05	6.789E-05	2.646E-05	2.873E-04	3.817E-04	6.246E-05	6.614E-06	1.231E-04	1.922E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 CAIRP small	1.622E-04	1.827E-03	6.685E-04	2.356E-05	6.340E-05	2.646E-05	2.873E-04	3.772E-04	5.833E-05	6.614E-06	1.231E-04	1.881E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 instate construction heavy	1.854E-04	2.256E-03	7.640E-04	2.359E-05	7.567E-05	2.646E-05	2.873E-04	3.895E-04	6.962E-05	6.614E-06	1.231E-04	1.994E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 instate construction small	1.694E-04	1.957E-03	6.983E-04	2.359E-05	6.723E-05	2.646E-05	2.873E-04	3.810E-04	6.185E-05	6.614E-06	1.231E-04	1.916E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 instate heavy	1.854E-04	2.254E-03	7.640E-04	2.360E-05	7.566E-05	2.646E-05	2.873E-04	3.895E-04	6.961E-05	6.614E-06	1.231E-04	1.994E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 instate small	1.694E-04	1.955E-03	6.981E-04	2.360E-05	6.721E-05	2.646E-05	2.873E-04	3.810E-04	6.183E-05	6.614E-06	1.231E-04	1.916E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 OOS heavy	1.707E-04	1.986E-03	7.034E-04	2.357E-05	6.789E-05	2.646E-05	2.873E-04	3.817E-04	6.246E-05	6.614E-06	1.231E-04	1.922E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 OOS small	1.622E-04	1.827E-03	6.685E-04	2.356E-05	6.340E-05	2.646E-05	2.873E-04	3.772E-04	5.833E-05	6.614E-06	1.231E-04	1.881E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6 Public	1.446E-04	1.941E-03	5.965E-04	2.363E-05	5.478E-05	2.646E-05	2.873E-04	3.686E-04	5.040E-05	6.614E-06	1.231E-04	1.802E-04	2.390E+00	2.151E+00
County	Los Angele	2035	Annual	T6 utility	1.366E-04	1.338E-03	5.631E-04	2.359E-05	4.983E-05	2.646E-05	2.873E-04	3.636E-04	4.584E-05	6.614E-06	1.231E-04	1.756E-04	2.387E+00	2.148E+00
County	Los Angele	2035	Annual	T6TS	2.343E-05	3.777E-04	4.922E-04	1.363E-05	3.075E-07	1.764E-05	8.102E-05	9.896E-05	2.853E-07	4.409E-06	3.472E-05	3.942E-05	1.048E+00	9.429E-01
County	Los Angele	2035	Annual	T7 Ag	4.070E-04	4.092E-03	1.889E-03	3.608E-05	1.301E-04	7.937E-05	1.361E-04	3.456E-04	1.197E-04	1.984E-05	5.833E-05	1.979E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 CAIRP	4.193E-04	4.328E-03	1.948E-03	3.607E-05	1.361E-04	7.937E-05	1.361E-04	3.516E-04	1.252E-04	1.984E-05	5.833E-05	2.034E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 CAIRP construction	4.194E-04	4.325E-03	1.948E-03	3.608E-05	1.361E-04	7.937E-05	1.361E-04	3.516E-04	1.253E-04	1.984E-05	5.833E-05	2.034E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 NNOOS	3.641E-04	3.472E-03	1.690E-03	3.607E-05	1.129E-04	7.937E-05	1.361E-04	3.284E-04	1.039E-04	1.984E-05	5.833E-05	1.821E-04	3.689E+00	3.321E+00
County	Los Angele	2035	Annual	T7 NOOS	4.193E-04	4.328E-03	1.948E-03	3.607E-05	1.361E-04	7.937E-05	1.361E-04	3.516E-04	1.252E-04	1.984E-05	5.833E-05	2.034E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 other port	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
County	Los Angele	2035	Annual	T7 POAK	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
County	Los Angele	2035	Annual	T7 POLA	5.046E-04	5.644E-03	2.347E-03	3.608E-05	1.720E-04	7.937E-05	1.361E-04	3.875E-04	1.582E-04	1.984E-05	5.833E-05	2.364E-04	3.689E+00	3.321E+00
County	Los Angele	2035	Annual	T7 Public	2.737E-04	5.676E-03	1.276E-03	3.623E-05	8.374E-05	7.937E-05	1.361E-04	2.992E-04	7.704E-05	1.984E-05	5.833E-05	1.552E-04	3.705E+00	3.335E+00
County	Los Angele	2035	Annual	T7 Single	3.399E-04	3.090E-03	1.576E-03	3.608E-05	1.026E-04	7.937E-05	1.361E-04	3.181E-04	9.443E-05	1.984E-05	5.833E-05	1.726E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 single construction	3.401E-04	3.093E-03	1.577E-03	3.608E-05	1.027E-04	7.937E-05	1.361E-04	3.182E-04	9.450E-05	1.984E-05	5.833E-05	1.727E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 SWCV	3.091E-04	6.052E-03	1.441E-03	3.624E-05	9.740E-05	7.937E-05	1.361E-04	3.129E-04	8.961E-05	1.984E-05	5.833E-05	1.678E-04	3.706E+00	3.335E+00
County	Los Angele	2035	Annual	T7 tractor	4.213E-04	4.348E-03	1.957E-03	3.608E-05	1.368E-04	7.937E-05	1.361E-04	3.523E-04	1.259E-04	1.984E-05	5.833E-05	2.040E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 tractor construction	4.222E-04	4.361E-03	1.961E-03	3.608E-05	1.372E-04	7.937E-05	1.361E-04	3.526E-04	1.262E-04	1.984E-05	5.833E-05	2.044E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7 utility	2.758E-04	2.104E-03	1.277E-03	3.608E-05	7.580E-05	7.937E-05	1.361E-04	2.913E-04	6.974E-05	1.984E-05	5.833E-05	1.479E-04	3.690E+00	3.321E+00
County	Los Angele	2035	Annual	T7IS	7.383E-04	9.875E-03	5.085E-02	1.468E-05	2.811E-07	1.764E-05	8.102E-05	9.894E-05	2.609E-07	4.409E-06	3.472E-05	3.939E-05	1.048E+00	9.429E-01
County	Los Angele	2035	Annual	UBUS	4.483E-04	1.096E-02	2.365E-03	4.363E-05	1.723E-04	1.764E-05	1.592E-03	1.782E-03	1.585E-04	4.409E-06	6.822E-04	8.452E-04	4.469E+00	4.022E+00

LA COUNTY 2035 - all Model Years (40 MPH) 1.0E-06 **MTons/Mile**

Region_Type	Region	CalYr	Season	Veh	ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_PMTW	PM10_PMBW	PM10_RUNEX	PM10_Total	PM2_5_PMTW	PM2_5_PMBW	PM2_5_RUNEX	PM2_5_Total	CO2_RUNEX	CO2(Pavley I + LCFS)_RUNEX
County	Los Angele	2035	Annual	All Other Buses	9.090E-08	1.150E-06	3.746E-07	1.070E-08	3.792E-08	1.200E-08	1.303E-07	1.803E-07	3.488E-08	3.000E-09	5.586E-08	9.374E-08	1.083E-03	9.746E-04
County	Los Angele	2035	Annual	LDA	7.571E-09	5.218E-08	5.751E-07	3.741E-09	1.669E-09	8.000E-09	3.675E-08	4.642E-08	1.549E-09	2.000E-09	1.575E-08	1.930E-08	2.984E-04	1.781E-04
County	Los Angele	2035	Annual	LDT1	1.024E-08	6.492E-08	7.402E-07	4.343E-09	1.675E-09	8.000E-09	3.675E-08	4.643E-08	1.554E-09	2.000E-09	1.575E-08	1.930E-08	3.466E-04	2.153E-04
County	Los Angele	2035	Annual	LDT2	9.655E-09	6.672E-08	6.952E-07	5.087E-09	1.654E-09	8.000E-09	3.675E-08	4.640E-08	1.534E-09	2.000E-09	1.575E-08	1.928E-08	4.058E-04	2.770E-04
County	Los Angele	2035	Annual	LHD1	1.967E-08	2.921E-07	2.486E-07	6.008E-09	4.329E-09	8.830E-09	4.498E-08	5.814E-08	3.984E-09	2.207E-09	1.928E-08	2.547E-08	4.843E-04	4.359E-04
County	Los Angele	2035	Annual	LHD2	3.170E-08	4.227E-07	3.184E-07	5.672E-09	8.639E-09	9.852E-09	6.103E-08	7.952E-08	7.948E-09	2.463E-09	2.615E-08	3.657E-08	4.955E-04	4.460E-04
County	Los Angele	2035	Annual	MCY	1.871E-06	1.121E-06	1.542E-05	1.961E-09	1.806E-10	8.000E-09	3.675E-08	4.493E-08	1.566E-10	2.000E-09	1.575E-08	1.791E-08	1.394E-04	1.255E-04
County	Los Angele	2035	Annual	MDV	1.375E-08	9.113E-08	9.402E-07	6.513E-09	1.608E-09	8.000E-09	3.675E-08	4.636E-08	1.492E-09	2.000E-09	1.575E-08	1.924E-08	5.201E-04	3.646E-04
County	Los Angele	2035	Annual	MH	1.737E-08	5.314E-07	1.660E-07	6.744E-09	4.481E-09	8.480E-09	4.798E-08	6.094E-08	4.123E-09	2.120E-09	2.056E-08	2.681E-08	5.527E-04	4.975E-04
County	Los Angele	2035	Annual	Motor Coach	1.744E-07	1.716E-06	8.097E-07	1.636E-08	5.509E-08	1.200E-08	1.303E-07	1.974E-07	5.068E-08	3.000E-09	5.586E-08	1.095E-07	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	OBUS	1.010E-08	1.646E-07	2.071E-07	6.180E-09	1.361E-10	8.000E-09	3.675E-08	4.489E-08	1.263E-10	2.000E-09	1.575E-08	1.788E-08	4.752E-04	4.277E-04
County	Los Angele	2035	Annual	PTO	2.648E-07	2.073E-06	8.146E-07	2.020E-08	4.422E-08	0.000E+00	0.000E+00	4.422E-08	4.068E-08	0.000E+00	0.000E+00	4.068E-08	2.117E-03	1.905E-03
County	Los Angele	2035	Annual	SBUS	1.329E-07	2.662E-06	7.760E-07	1.081E-08	3.578E-08	1.081E-08	5.334E-07	5.800E-07	3.292E-08	2.701E-09	2.286E-07	2.642E-07	9.185E-04	8.267E-04
County	Los Angele	2035	Annual	T6 Ag	8.865E-08	1.097E-06	3.654E-07	1.070E-08	3.663E-08	1.200E-08	1.303E-07	1.790E-07	3.370E-08	3.000E-09	5.586E-08	9.256E-08	1.083E-03	9.747E-04
County	Los Angele	2035	Annual	T6 CAIRP heavy	7.742E-08	9.010E-07	3.191E-07	1.069E-08	3.080E-08	1.200E-08	1.303E-07	1.731E-07	2.833E-08	3.000E-09	5.586E-08	8.719E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 CAIRP small	7.357E-08	8.285E-07	3.032E-07	1.069E-08	2.876E-08	1.200E-08	1.303E-07	1.711E-07	2.646E-08	3.000E-09	5.586E-08	8.532E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 instate construction heavy	8.409E-08	1.023E-06	3.466E-07	1.070E-08	3.432E-08	1.200E-08	1.303E-07	1.767E-07	3.158E-08	3.000E-09	5.586E-08	9.044E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 instate construction small	7.685E-08	8.877E-07	3.167E-07	1.070E-08	3.050E-08	1.200E-08	1.303E-07	1.728E-07	2.806E-08	3.000E-09	5.586E-08	8.692E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 instate heavy	8.408E-08	1.023E-06	3.465E-07	1.070E-08	3.432E-08	1.200E-08	1.303E-07	1.767E-07	3.158E-08	3.000E-09	5.586E-08	9.044E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 instate small	7.683E-08	8.869E-07	3.167E-07	1.070E-08	3.049E-08	1.200E-08	1.303E-07	1.728E-07	2.805E-08	3.000E-09	5.586E-08	8.691E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 OOS heavy	7.742E-08	9.010E-07	3.191E-07	1.069E-08	3.080E-08	1.200E-08	1.303E-07	1.731E-07	2.833E-08	3.000E-09	5.586E-08	8.719E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 OOS small	7.357E-08	8.285E-07	3.032E-07	1.069E-08	2.876E-08	1.200E-08	1.303E-07	1.711E-07	2.646E-08	3.000E-09	5.586E-08	8.532E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6 Public	6.559E-08	8.806E-07	2.706E-07	1.072E-08	2.485E-08	1.200E-08	1.303E-07	1.672E-07	2.286E-08	3.000E-09	5.586E-08	8.172E-08	1.084E-03	9.758E-04
County	Los Angele	2035	Annual	T6 utility	6.197E-08	6.071E-07	2.554E-07	1.070E-08	2.260E-08	1.200E-08	1.303E-07	1.649E-07	2.079E-08	3.000E-09	5.586E-08	7.965E-08	1.083E-03	9.745E-04
County	Los Angele	2035	Annual	T6TS	1.063E-08	1.713E-07	2.233E-07	6.182E-09	1.395E-10	8.000E-09	3.675E-08	4.489E-08	1.294E-10	2.000E-09	1.575E-08	1.788E-08	4.752E-04	4.277E-04
County	Los Angele	2035	Annual	T7 Ag	1.846E-07	1.856E-06	8.569E-07	1.637E-08	5.902E-08	3.600E-08	6.174E-08	1.568E-07	5.430E-08	9.000E-09	2.646E-08	8.976E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 CAIRP	1.902E-07	1.963E-06	8.837E-07	1.636E-08	6.175E-08	3.600E-08	6.174E-08	1.595E-07	5.681E-08	9.000E-09	2.646E-08	9.227E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 CAIRP construction	1.902E-07	1.962E-06	8.837E-07	1.636E-08	6.176E-08	3.600E-08	6.174E-08	1.595E-07	5.682E-08	9.000E-09	2.646E-08	9.228E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 NNOOS	1.651E-07	1.575E-06	7.664E-07	1.636E-08	5.122E-08	3.600E-08	6.174E-08	1.490E-07	4.712E-08	9.000E-09	2.646E-08	8.258E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 NOOS	1.902E-07	1.963E-06	8.837E-07	1.636E-08	6.175E-08	3.600E-08	6.174E-08	1.595E-07	5.681E-08	9.000E-09	2.646E-08	9.227E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 other port	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
County	Los Angele	2035	Annual	T7 POAK	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
County	Los Angele	2035	Annual	T7 POLA	2.289E-07	2.560E-06	1.065E-06	1.636E-08	7.801E-08	3.600E-08	6.174E-08	1.757E-07	7.177E-08	9.000E-09	2.646E-08	1.072E-07	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 Public	1.242E-07	2.574E-06	5.789E-07	1.643E-08	3.798E-08	3.600E-08	6.174E-08	1.357E-07	3.494E-08	9.000E-09	2.646E-08	7.040E-08	1.681E-03	1.513E-03
County	Los Angele	2035	Annual	T7 Single	1.542E-07	1.402E-06	7.151E-07	1.637E-08	4.656E-08	3.600E-08	6.174E-08	1.443E-07	4.283E-08	9.000E-09	2.646E-08	7.829E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 single construction	1.543E-07	1.403E-06	7.154E-07	1.636E-08	4.659E-08	3.600E-08	6.174E-08	1.443E-07	4.287E-08	9.000E-09	2.646E-08	7.833E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 SWCV	1.402E-07	2.745E-06	6.534E-07	1.644E-08	4.418E-08	3.600E-08	6.174E-08	1.419E-07	4.065E-08	9.000E-09	2.646E-08	7.611E-08	1.681E-03	1.513E-03
County	Los Angele	2035	Annual	T7 tractor	1.911E-07	1.972E-06	8.876E-07	1.636E-08	6.205E-08	3.600E-08	6.174E-08	1.598E-07	5.709E-08	9.000E-09	2.646E-08	9.255E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 tractor construction	1.915E-07	1.978E-06	8.895E-07	1.636E-08	6.222E-08	3.600E-08	6.174E-08	1.600E-07	5.724E-08	9.000E-09	2.646E-08	9.270E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7 utility	1.251E-07	9.544E-07	5.791E-07	1.636E-08	3.438E-08	3.600E-08	6.174E-08	1.321E-07	3.163E-08	9.000E-09	2.646E-08	6.709E-08	1.674E-03	1.506E-03
County	Los Angele	2035	Annual	T7IS	3.349E-07	4.479E-06	2.307E-05	6.660E-09	1.275E-10	8.000E-09	3.675E-08	4.488E-08	1.183E-10	2.000E-09	1.575E-08	1.787E-08	4.752E-04	4.277E-04
County	Los Angele	2035	Annual	UBUS	2.033E-07	4.972E-06	1.073E-06	1.979E-08	7.815E-08	8.000E-09	7.221E-07	8.082E-07	7.190E-08	2.000E-09	3.095E-07	3.834E-07	2.027E-03	1.824E-03

LA COUNTY 2035 - all Model Years (40 MPH)

g/mile

Region_Type	Region	CalYr	Season	Veh	ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_RUNEX	PM10_PMTW	PM10_PMBW	PM10_Total	PM2_5_RUNEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_Total	CO2_RUNEX	CO2(Pavley I + LCFS)_RUNEX	VMT from EMFAC-SG (SC)	%VMT
County	Los Angeles	2010	Annual	All Other Buses	3.90E-01	8.95E+00	1.61E+00	1.09E-02	3.48E-01	1.20E-02	1.30E-01	4.90E-01	3.20E-01	3.00E-03	5.59E-02	3.79E-01	1.11E+03	1.11E+03	141,246	0%
County	Los Angeles	2010	Annual	LDA	6.98E-02	2.07E-01	2.19E+00	3.71E-03	2.99E-03	8.00E-03	3.67E-02	4.77E-02	2.71E-03	2.00E-03	1.57E-02	2.05E-02	2.97E+02	2.96E+02	113,897,545	53%
County	Los Angeles	2010	Annual	LDT1	1.82E-01	5.23E-01	5.26E+00	4.31E-03	6.39E-03	8.00E-03	3.67E-02	5.11E-02	5.77E-03	2.00E-03	1.57E-02	2.35E-02	3.41E+02	3.40E+02	12,690,412	6%
County	Los Angeles	2010	Annual	LDT2	7.67E-02	3.70E-01	2.84E+00	5.07E-03	2.73E-03	8.00E-03	3.67E-02	4.75E-02	2.48E-03	2.00E-03	1.57E-02	2.02E-02	4.06E+02	4.05E+02	38,312,968	18%
County	Los Angeles	2010	Annual	LHD1	1.78E-01	1.61E+00	2.42E+00	6.05E-03	1.05E-02	8.81E-03	4.48E-02	6.41E-02	9.65E-03	2.20E-03	1.92E-02	3.10E-02	4.85E+02	4.85E+02	8,378,386	4%
County	Los Angeles	2010	Annual	LHD2	1.81E-01	2.44E+00	2.11E+00	5.73E-03	2.13E-02	9.87E-03	6.12E-02	9.24E-02	1.96E-02	2.47E-03	2.62E-02	4.83E-02	5.00E+02	5.00E+02	1,374,617	1%
County	Los Angeles	2010	Annual	MCY	2.33E+00	1.28E+00	2.39E+01	1.91E-03	1.31E-03	8.00E-03	3.67E-02	4.60E-02	1.02E-03	2.00E-03	1.57E-02	1.88E-02	1.20E+02	1.20E+02	771,666	0%
County	Los Angeles	2010	Annual	MDV	8.90E-02	4.49E-01	3.22E+00	6.38E-03	2.43E-03	8.00E-03	3.67E-02	4.72E-02	2.22E-03	2.00E-03	1.57E-02	2.00E-02	5.13E+02	5.12E+02	28,689,830	13%
County	Los Angeles	2010	Annual	MH	3.91E-01	2.44E+00	1.18E+01	6.96E-03	2.65E-02	8.50E-03	4.85E-02	8.36E-02	2.42E-02	2.13E-03	2.08E-02	4.71E-02	5.55E+02	5.55E+02	348,779	0%
County	Los Angeles	2010	Annual	Motor Coach	5.19E-01	1.37E+01	2.84E+00	1.66E-02	3.66E-01	1.20E-02	1.30E-01	5.08E-01	3.36E-01	3.00E-03	5.59E-02	3.95E-01	1.70E+03	1.70E+03	142,823	0%
County	Los Angeles	2010	Annual	OBUS	1.42E-01	1.45E+00	2.90E+00	6.22E-03	8.39E-04	8.00E-03	3.67E-02	4.56E-02	7.67E-04	2.00E-03	1.57E-02	1.85E-02	4.75E+02	4.75E+02	240,667	0%
County	Los Angeles	2010	Annual	PTO	9.54E-01	1.57E+01	4.73E+00	2.05E-02	6.08E-01			6.08E-01	5.59E-01			5.59E-01	2.15E+03	2.15E+03	97,658	0%
County	Los Angeles	2010	Annual	SBUS	5.58E-01	8.50E+00	5.67E+00	1.13E-02	2.77E-01	1.10E-02	5.74E-01	8.61E-01	2.54E-01	2.76E-03	2.46E-01	5.03E-01	9.61E+02	9.61E+02	116,312	0%
County	Los Angeles	2010	Annual	T6 Ag	4.48E-01	9.39E+00	1.78E+00	1.10E-02	3.72E-01	1.20E-02	1.30E-01	5.14E-01	3.42E-01	3.00E-03	5.59E-02	4.01E-01	1.12E+03	1.12E+03	3,853	0%
County	Los Angeles	2010	Annual	T6 CAIRP heavy	2.32E-01	6.99E+00	1.02E+00	1.08E-02	2.02E-01	1.20E-02	1.30E-01	3.44E-01	1.85E-01	3.00E-03	5.59E-02	2.44E-01	1.10E+03	1.10E+03	1,666	0%
County	Los Angeles	2010	Annual	T6 CAIRP small	1.83E-01	5.91E+00	7.98E-01	1.08E-02	1.71E-01	1.20E-02	1.30E-01	3.14E-01	1.58E-01	3.00E-03	5.59E-02	2.17E-01	1.10E+03	1.10E+03	5,666	0%
County	Los Angeles	2010	Annual	T6 instate construction heavy	3.34E-01	8.82E+00	1.44E+00	1.09E-02	2.70E-01	1.20E-02	1.30E-01	4.13E-01	2.49E-01	3.00E-03	5.59E-02	3.07E-01	1.10E+03	1.10E+03	73,712	0%
County	Los Angeles	2010	Annual	T6 instate construction small	2.28E-01	7.06E+00	1.01E+00	1.09E-02	2.00E-01	1.20E-02	1.30E-01	3.42E-01	1.84E-01	3.00E-03	5.59E-02	2.42E-01	1.10E+03	1.10E+03	210,636	0%
County	Los Angeles	2010	Annual	T6 instate heavy	3.29E-01	8.71E+00	1.43E+00	1.09E-02	2.67E-01	1.20E-02	1.30E-01	4.09E-01	2.45E-01	3.00E-03	5.59E-02	3.04E-01	1.10E+03	1.10E+03	504,439	0%
County	Los Angeles	2010	Annual	T6 instate small	2.25E-01	6.95E+00	9.95E-01	1.09E-02	1.96E-01	1.20E-02	1.30E-01	3.39E-01	1.81E-01	3.00E-03	5.59E-02	2.40E-01	1.10E+03	1.10E+03	1,447,888	1%
County	Los Angeles	2010	Annual	T6 OOS heavy	2.32E-01	6.99E+00	1.02E+00	1.08E-02	2.02E-01	1.20E-02	1.30E-01	3.44E-01	1.85E-01	3.00E-03	5.59E-02	2.44E-01	1.10E+03	1.10E+03	955	0%
County	Los Angeles	2010	Annual	T6 OOS small	1.83E-01	5.91E+00	7.98E-01	1.08E-02	1.71E-01	1.20E-02	1.30E-01	3.14E-01	1.58E-01	3.00E-03	5.59E-02	2.17E-01	1.10E+03	1.10E+03	3,248	0%
County	Los Angeles	2010	Annual	T6 Public	2.17E-01	8.93E+00	8.98E-01	1.10E-02	2.16E-01	1.20E-02	1.30E-01	3.59E-01	1.99E-01	3.00E-03	5.59E-02	2.58E-01	1.11E+03	1.11E+03	56,226	0%
County	Los Angeles	2010	Annual	T6 utility	1.14E-01	7.26E+00	5.16E-01	1.09E-02	1.25E-01	1.20E-02	1.30E-01	2.67E-01	1.15E-01	3.00E-03	5.59E-02	1.74E-01	1.10E+03	1.10E+03	10,318	0%
County	Los Angeles	2010	Annual	T6TS	3.94E-01	2.59E+00	8.07E+00	6.34E-03	2.32E-03	8.00E-03	3.67E-02	4.71E-02	2.06E-03	2.00E-03	1.57E-02	1.98E-02	4.75E+02	4.75E+02	649,509	0%
County	Los Angeles	2010	Annual	T7 Ag	6.90E-01	1.59E+01	4.08E+00	1.68E-02	5.69E-01	3.60E-02	6.17E-02	6.67E-01	5.24E-01	9.00E-03	2.65E-02	5.59E-01	1.71E+03	1.71E+03	9,903	0%
County	Los Angeles	2010	Annual	T7 CAIRP	5.27E-01	1.18E+01	2.62E+00	1.66E-02	3.98E-01	3.60E-02	6.17E-02	4.96E-01	3.66E-01	9.00E-03	2.65E-02	4.02E-01	1.70E+03	1.70E+03	754,939	0%
County	Los Angeles	2010	Annual	T7 CAIRP construction	5.30E-01	1.18E+01	2.64E+00	1.66E-02	4.00E-01	3.60E-02	6.17E-02	4.98E-01	3.68E-01	9.00E-03	2.65E-02	4.04E-01	1.70E+03	1.70E+03	55,593	0%
County	Los Angeles	2010	Annual	T7 NNOOS	3.95E-01	8.65E+00	1.92E+00	1.66E-02	2.64E-01	3.60E-02	6.17E-02	3.62E-01	2.43E-01	9.00E-03	2.65E-02	2.78E-01	1.70E+03	1.70E+03	849,278	0%
County	Los Angeles	2010	Annual	T7 NOOS	5.27E-01	1.18E+01	2.62E+00	1.66E-02	3.98E-01	3.60E-02	6.17E-02	4.96E-01	3.66E-01	9.00E-03	2.65E-02	4.02E-01	1.70E+03	1.70E+03	274,929	0%
County	Los Angeles	2010	Annual	T7 other port								0.00E+00				0.00E+00			0	0%
County	Los Angeles	2010	Annual	T7 POAK								0.00E+00				0.00E+00			0	0%
County	Los Angeles	2010	Annual	T7 POLA	3.16E-01	8.06E+00	1.47E+00	1.68E-02	1.91E-01	3.60E-02	6.17E-02	2.89E-01	1.76E-01	9.00E-03	2.65E-02	2.11E-01	1.72E+03	1.72E+03	807,686	0%
County	Los Angeles	2010	Annual	T7 Public	3.99E-01	1.55E+01	2.43E+00	1.68E-02	4.30E-01	3.60E-02	6.17E-02	5.28E-01	3.96E-01	9.00E-03	2.65E-02	4.31E-01	1.72E+03	1.72E+03	52,754	0%
County	Los Angeles	2010	Annual	T7 Single	4.41E-01	1.36E+01	2.53E+00	1.66E-02	3.57E-01	3.60E-02	6.17E-02	4.55E-01	3.29E-01	9.00E-03	2.65E-02	3.64E-01	1.70E+03	1.70E+03	406,116	0%
County	Los Angeles	2010	Annual	T7 single construction	4.43E-01	1.36E+01	2.54E+00	1.66E-02	3.59E-01	3.60E-02	6.17E-02	4.57E-01	3.31E-01	9.00E-03	2.65E-02	3.66E-01	1.70E+03	1.70E+03	143,812	0%
County	Los Angeles	2010	Annual	T7 SWCV	5.20E-01	1.49E+01	3.13E+00	1.69E-02	5.22E-01	3.60E-02	6.17E-02	6.20E-01	4.80E-01	9.00E-03	2.65E-02	5.16E-01	1.73E+03	1.73E+03	142,938	0%
County	Los Angeles	2010	Annual	T7 tractor	6.37E-01	1.41E+01	3.53E+00	1.66E-02	4.69E-01	3.60E-02	6.17E-02	5.67E-01	4.31E-01	9.00E-03	2.65E-02	4.67E-01	1.70E+03	1.70E+03	1,065,176	0%
County	Los Angeles	2010	Annual	T7 tractor construction	6.53E-01	1.44E+01	3.65E+00	1.67E-02	4.76E-01	3.60E-02	6.17E-02	5.74E-01	4.38E-01	9.00E-03	2.65E-02	4.73E-01	1.70E+03	1.70E+03	107,222	0%
County	Los Angeles	2010	Annual	T7 utility	2.07E-01	1.27E+01	1.13E+00	1.66E-02	2.08E-01	3.60E-02	6.17E-02	3.05E-01	1.91E-01	9.00E-03	2.65E-02	2.26E-01	1.70E+03	1.70E+03	6,251	0%
County	Los Angeles	2010	Annual	T7IS	1.38E+00	6.93E+00	4.11E+01	7.05E-03	2.09E-03	8.00E-03	3.67E-02	4.68E-02	1.71E-03	2.00E-03	1.57E-02	1.95E-02	4.75E+02	4.75E+02	94,125	0%
County	Los Angeles	2010	Annual	UBUS	5.60E-01	1.32E+01	3.58E+00	2.26E-02	1.67E-01	8.00E-03	7.23E-01	8.98E-01	1.54E-01	2.00E-03	3.10E-01	4.65E-01	2.31E+03	2.31E+03	692,112	0%
																			213,633,858	100%

LA COUNTY 2035 - all Model Years (40 MPH) ## **lbs/Mile**

Region_Type	Region	CalYr	Season	Veh	ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_PMTW	PM10_PMBW	PM10_RUNEX	PM10_Total	PM2_5_PMTW	PM2_5_PMBW	PM2_5_RUNEX	PM2_5_Total	CO2_RUNEX	CO2(Pavley I + LCFS)_RUNEX
County	Los Angeles	2010	Annual	All Other Buses	8.59E-04	1.97E-02	3.55E-03	2.41E-05	7.67E-04	2.65E-05	2.87E-04	1.08E-03	7.06E-04	6.61E-06	1.23E-04	8.36E-04	2.44E+00	2.44E+00
County	Los Angeles	2010	Annual	LDA	1.54E-04	4.56E-04	4.82E-03	8.18E-06	6.60E-06	1.76E-05	8.10E-05	1.05E-04	5.98E-06	4.41E-06	3.47E-05	4.51E-05	6.56E-01	6.53E-01
County	Los Angeles	2010	Annual	LDT1	4.00E-04	1.15E-03	1.16E-02	9.49E-06	1.41E-05	1.76E-05	8.10E-05	1.13E-04	1.27E-05	4.41E-06	3.47E-05	5.19E-05	7.52E-01	7.50E-01
County	Los Angeles	2010	Annual	LDT2	1.69E-04	8.16E-04	6.26E-03	1.12E-05	6.03E-06	1.76E-05	8.10E-05	1.05E-04	5.47E-06	4.41E-06	3.47E-05	4.46E-05	8.96E-01	8.92E-01
County	Los Angeles	2010	Annual	LHD1	3.93E-04	3.55E-03	5.34E-03	1.33E-05	2.31E-05	1.94E-05	9.87E-05	1.41E-04	2.13E-05	4.86E-06	4.23E-05	6.84E-05	1.07E+00	1.07E+00
County	Los Angeles	2010	Annual	LHD2	3.99E-04	5.37E-03	4.66E-03	1.26E-05	4.70E-05	2.18E-05	1.35E-04	2.04E-04	4.32E-05	5.44E-06	5.79E-05	1.06E-04	1.10E+00	1.10E+00
County	Los Angeles	2010	Annual	MCY	5.13E-03	2.81E-03	5.27E-02	4.20E-06	2.89E-06	1.76E-05	8.10E-05	1.02E-04	2.25E-06	4.41E-06	3.47E-05	4.14E-05	2.64E-01	2.64E-01
County	Los Angeles	2010	Annual	MDV	1.96E-04	9.90E-04	7.10E-03	1.41E-05	5.37E-06	1.76E-05	8.10E-05	1.04E-04	4.90E-06	4.41E-06	3.47E-05	4.40E-05	1.13E+00	1.13E+00
County	Los Angeles	2010	Annual	MH	8.63E-04	5.39E-03	2.59E-02	1.54E-05	5.84E-05	1.87E-05	1.07E-04	1.84E-04	5.33E-05	4.69E-06	4.59E-05	1.04E-04	1.22E+00	1.22E+00
County	Los Angeles	2010	Annual	Motor Coach	1.14E-03	3.01E-02	6.26E-03	3.66E-05	8.06E-04	2.65E-05	2.87E-04	1.12E-03	7.42E-04	6.61E-06	1.23E-04	8.71E-04	3.74E+00	3.74E+00
County	Los Angeles	2010	Annual	OBUS	3.12E-04	3.20E-03	6.40E-03	1.37E-05	1.85E-06	1.76E-05	8.10E-05	1.01E-04	1.69E-06	4.41E-06	3.47E-05	4.08E-05	1.05E+00	1.05E+00
County	Los Angeles	2010	Annual	PTO	2.10E-03	3.47E-02	1.04E-02	4.53E-05	1.34E-03	0.00E+00	0.00E+00	1.34E-03	1.23E-03	0.00E+00	0.00E+00	1.23E-03	4.74E+00	4.74E+00
County	Los Angeles	2010	Annual	SBUS	1.23E-03	1.87E-02	1.25E-02	2.49E-05	6.10E-04	2.43E-05	1.26E-03	1.90E-03	5.61E-04	6.08E-06	5.42E-04	1.11E-03	2.12E+00	2.12E+00
County	Los Angeles	2010	Annual	T6 Ag	9.88E-04	2.07E-02	3.91E-03	2.43E-05	8.20E-04	2.65E-05	2.87E-04	1.13E-03	7.54E-04	6.61E-06	1.23E-04	8.84E-04	2.46E+00	2.46E+00
County	Los Angeles	2010	Annual	T6 CAIRP heavy	5.11E-04	1.54E-02	2.24E-03	2.39E-05	4.44E-04	2.65E-05	2.87E-04	7.58E-04	4.09E-04	6.61E-06	1.23E-04	5.39E-04	2.43E+00	2.43E+00
County	Los Angeles	2010	Annual	T6 CAIRP small	4.03E-04	1.30E-02	1.76E-03	2.39E-05	3.78E-04	2.65E-05	2.87E-04	6.92E-04	3.48E-04	6.61E-06	1.23E-04	4.77E-04	2.43E+00	2.43E+00
County	Los Angeles	2010	Annual	T6 instate construction heavy	7.35E-04	1.94E-02	3.18E-03	2.41E-05	5.96E-04	2.65E-05	2.87E-04	9.09E-04	5.48E-04	6.61E-06	1.23E-04	6.78E-04	2.44E+00	2.44E+00
County	Los Angeles	2010	Annual	T6 instate construction small	5.02E-04	1.56E-02	2.22E-03	2.40E-05	4.40E-04	2.65E-05	2.87E-04	7.54E-04	4.05E-04	6.61E-06	1.23E-04	5.35E-04	2.43E+00	2.43E+00
County	Los Angeles	2010	Annual	T6 instate heavy	7.26E-04	1.92E-02	3.14E-03	2.41E-05	5.88E-04	2.65E-05	2.87E-04	9.02E-04	5.41E-04	6.61E-06	1.23E-04	6.71E-04	2.44E+00	2.44E+00
County	Los Angeles	2010	Annual	T6 instate small	4.96E-04	1.53E-02	2.19E-03	2.40E-05	4.33E-04	2.65E-05	2.87E-04	7.47E-04	3.98E-04	6.61E-06	1.23E-04	5.28E-04	2.43E+00	2.43E+00
County	Los Angeles	2010	Annual	T6 OOS heavy	5.11E-04	1.54E-02	2.24E-03	2.39E-05	4.44E-04	2.65E-05	2.87E-04	7.58E-04	4.09E-04	6.61E-06	1.23E-04	5.39E-04	2.43E+00	2.43E+00
County	Los Angeles	2010	Annual	T6 OOS small	4.03E-04	1.30E-02	1.76E-03	2.39E-05	3.78E-04	2.65E-05	2.87E-04	6.92E-04	3.48E-04	6.61E-06	1.23E-04	4.77E-04	2.43E+00	2.43E+00
County	Los Angeles	2010	Annual	T6 Public	4.79E-04	1.97E-02	1.98E-03	2.42E-05	4.77E-04	2.65E-05	2.87E-04	7.91E-04	4.39E-04	6.61E-06	1.23E-04	5.68E-04	2.45E+00	2.45E+00
County	Los Angeles	2010	Annual	T6 utility	2.52E-04	1.60E-02	1.14E-03	2.40E-05	2.75E-04	2.65E-05	2.87E-04	5.89E-04	2.53E-04	6.61E-06	1.23E-04	3.83E-04	2.43E+00	2.43E+00
County	Los Angeles	2010	Annual	T6TS	8.68E-04	5.72E-03	1.78E-02	1.40E-05	5.11E-06	1.76E-05	8.10E-05	1.04E-04	4.54E-06	4.41E-06	3.47E-05	4.37E-05	1.05E+00	1.05E+00
County	Los Angeles	2010	Annual	T7 Ag	1.52E-03	3.50E-02	8.99E-03	3.70E-05	1.26E-03	7.94E-05	1.36E-04	1.47E-03	1.15E-03	1.98E-05	5.83E-05	1.23E-03	3.78E+00	3.78E+00
County	Los Angeles	2010	Annual	T7 CAIRP	1.16E-03	2.60E-02	5.79E-03	3.66E-05	8.78E-04	7.94E-05	1.36E-04	1.09E-03	8.08E-04	1.98E-05	5.83E-05	8.86E-04	3.74E+00	3.74E+00
County	Los Angeles	2010	Annual	T7 CAIRP construction	1.17E-03	2.61E-02	5.81E-03	3.66E-05	8.83E-04	7.94E-05	1.36E-04	1.10E-03	8.12E-04	1.98E-05	5.83E-05	8.90E-04	3.74E+00	3.74E+00
County	Los Angeles	2010	Annual	T7 NNOOS	8.72E-04	1.91E-02	4.22E-03	3.67E-05	5.82E-04	7.94E-05	1.36E-04	7.97E-04	5.35E-04	1.98E-05	5.83E-05	6.13E-04	3.75E+00	3.75E+00
County	Los Angeles	2010	Annual	T7 NOOS	1.16E-03	2.60E-02	5.79E-03	3.66E-05	8.78E-04	7.94E-05	1.36E-04	1.09E-03	8.08E-04	1.98E-05	5.83E-05	8.86E-04	3.74E+00	3.74E+00
County	Los Angeles	2010	Annual	T7 other port	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
County	Los Angeles	2010	Annual	T7 POAK	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
County	Los Angeles	2010	Annual	T7 POLA	6.97E-04	1.78E-02	3.23E-03	3.70E-05	4.21E-04	7.94E-05	1.36E-04	6.36E-04	3.87E-04	1.98E-05	5.83E-05	4.65E-04	3.79E+00	3.79E+00
County	Los Angeles	2010	Annual	T7 Public	8.80E-04	3.42E-02	5.35E-03	3.71E-05	9.49E-04	7.94E-05	1.36E-04	1.16E-03	8.73E-04	1.98E-05	5.83E-05	9.51E-04	3.80E+00	3.80E+00
County	Los Angeles	2010	Annual	T7 Single	9.72E-04	2.99E-02	5.58E-03	3.67E-05	7.88E-04	7.94E-05	1.36E-04	1.00E-03	7.25E-04	1.98E-05	5.83E-05	8.03E-04	3.75E+00	3.75E+00
County	Los Angeles	2010	Annual	T7 single construction	9.76E-04	3.01E-02	5.60E-03	3.67E-05	7.92E-04	7.94E-05	1.36E-04	1.01E-03	7.29E-04	1.98E-05	5.83E-05	8.07E-04	3.75E+00	3.75E+00
County	Los Angeles	2010	Annual	T7 SWCV	1.15E-03	3.28E-02	6.90E-03	3.72E-05	1.15E-03	7.94E-05	1.36E-04	1.37E-03	1.06E-03	1.98E-05	5.83E-05	1.14E-03	3.81E+00	3.81E+00
County	Los Angeles	2010	Annual	T7 tractor	1.41E-03	3.11E-02	7.78E-03	3.67E-05	1.03E-03	7.94E-05	1.36E-04	1.25E-03	9.51E-04	1.98E-05	5.83E-05	1.03E-03	3.75E+00	3.75E+00
County	Los Angeles	2010	Annual	T7 tractor construction	1.44E-03	3.17E-02	8.04E-03	3.67E-05	1.05E-03	7.94E-05	1.36E-04	1.26E-03	9.65E-04	1.98E-05	5.83E-05	1.04E-03	3.75E+00	3.75E+00
County	Los Angeles	2010	Annual	T7 utility	4.56E-04	2.79E-02	2.49E-03	3.67E-05	4.58E-04	7.94E-05	1.36E-04	6.73E-04	4.21E-04	1.98E-05	5.83E-05	4.99E-04	3.75E+00	3.75E+00
County	Los Angeles	2010	Annual	T7IS	3.04E-03	1.53E-02	9.06E-02	1.55E-05	4.60E-06	1.76E-05	8.10E-05	1.03E-04	3.76E-06	4.41E-06	3.47E-05	4.29E-05	1.05E+00	1.05E+00
County	Los Angeles	2010	Annual	UBUS	1.23E-03	2.91E-02	7.90E-03	4.98E-05	3.68E-04	1.76E-05	1.59E-03	1.98E-03	3.39E-04	4.41E-06	6.83E-04	1.03E-03	5.10E+00	5.10E+00

LA COUNTY 2035 - all Model Years (40 MPH) ## **MTons/Mile**

Region_Type	Region	CalYr	Season	Veh	ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_PMTW	PM10_PMBW	PM10_RUNEX	PM10_Total	PM2_5_PMTW	PM2_5_PMBW	PM2_5_RUNEX	PM2_5_Total	CO2_RUNEX	CO2(Pavley I + LCFS)_RUNEX
County	Los Angeles	2010	Annual	All Other Buses	3.90E-07	8.95E-06	1.61E-06	1.09E-08	3.48E-07	1.20E-08	1.30E-07	4.90E-07	3.20E-07	3.00E-09	5.59E-08	3.79E-07	1.11E-03	1.11E-03
County	Los Angeles	2010	Annual	LDA	6.98E-08	2.07E-07	2.19E-06	3.71E-09	2.99E-09	8.00E-09	3.67E-08	4.77E-08	2.71E-09	2.00E-09	1.57E-08	2.05E-08	2.97E-04	2.96E-04
County	Los Angeles	2010	Annual	LDT1	1.82E-07	5.23E-07	5.26E-06	4.31E-09	6.39E-09	8.00E-09	3.67E-08	5.11E-08	5.77E-09	2.00E-09	1.57E-08	2.35E-08	3.41E-04	3.40E-04
County	Los Angeles	2010	Annual	LDT2	7.67E-08	3.70E-07	2.84E-06	5.07E-09	2.73E-09	8.00E-09	3.67E-08	4.75E-08	2.48E-09	2.00E-09	1.57E-08	2.02E-08	4.06E-04	4.05E-04
County	Los Angeles	2010	Annual	LHD1	1.78E-07	1.61E-06	2.42E-06	6.05E-09	1.05E-08	8.81E-09	4.48E-08	6.41E-08	9.65E-09	2.20E-09	1.92E-08	3.10E-08	4.85E-04	4.85E-04
County	Los Angeles	2010	Annual	LHD2	1.81E-07	2.44E-06	2.11E-06	5.73E-09	2.13E-08	9.87E-09	6.12E-08	9.24E-08	1.96E-08	2.47E-09	2.62E-08	4.83E-08	5.00E-04	5.00E-04
County	Los Angeles	2010	Annual	MCY	2.33E-06	1.28E-06	2.39E-05	1.91E-09	1.31E-09	8.00E-09	3.67E-08	4.60E-08	1.02E-09	2.00E-09	1.57E-08	1.88E-08	1.20E-04	1.20E-04
County	Los Angeles	2010	Annual	MDV	8.90E-08	4.49E-07	3.22E-06	6.38E-09	2.43E-09	8.00E-09	3.67E-08	4.72E-08	2.22E-09	2.00E-09	1.57E-08	2.00E-08	5.13E-04	5.12E-04
County	Los Angeles	2010	Annual	MH	3.91E-07	2.44E-06	1.18E-05	6.96E-09	2.65E-08	8.50E-09	4.85E-08	8.36E-08	2.42E-08	2.13E-09	2.08E-08	4.71E-08	5.55E-04	5.55E-04
County	Los Angeles	2010	Annual	Motor Coach	5.19E-07	1.37E-05	2.84E-06	1.66E-08	3.66E-07	1.20E-08	1.30E-07	5.08E-07	3.36E-07	3.00E-09	5.59E-08	3.95E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	OBUS	1.42E-07	1.45E-06	2.90E-06	6.22E-09	8.39E-10	8.00E-09	3.67E-08	4.56E-08	7.67E-10	2.00E-09	1.57E-08	1.85E-08	4.75E-04	4.75E-04
County	Los Angeles	2010	Annual	PTO	9.54E-07	1.57E-05	4.73E-06	2.05E-08	6.08E-07	0.00E+00	0.00E+00	6.08E-07	5.59E-07	0.00E+00	0.00E+00	5.59E-07	2.15E-03	2.15E-03
County	Los Angeles	2010	Annual	SBUS	5.58E-07	8.50E-06	5.67E-06	1.13E-08	2.77E-07	1.10E-08	5.74E-07	8.61E-07	2.54E-07	2.76E-09	2.46E-07	5.03E-07	9.61E-04	9.61E-04
County	Los Angeles	2010	Annual	T6 Ag	4.48E-07	9.39E-06	1.78E-06	1.10E-08	3.72E-07	1.20E-08	1.30E-07	5.14E-07	3.42E-07	3.00E-09	5.59E-08	4.01E-07	1.12E-03	1.12E-03
County	Los Angeles	2010	Annual	T6 CAIRP heavy	2.32E-07	6.99E-06	1.02E-06	1.08E-08	2.02E-07	1.20E-08	1.30E-07	3.44E-07	1.85E-07	3.00E-09	5.59E-08	2.44E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 CAIRP small	1.83E-07	5.91E-06	7.98E-07	1.08E-08	1.71E-07	1.20E-08	1.30E-07	3.14E-07	1.58E-07	3.00E-09	5.59E-08	2.17E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 instate construction heavy	3.34E-07	8.82E-06	1.44E-06	1.09E-08	2.70E-07	1.20E-08	1.30E-07	4.13E-07	2.49E-07	3.00E-09	5.59E-08	3.07E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 instate construction small	2.28E-07	7.06E-06	1.01E-06	1.09E-08	2.00E-07	1.20E-08	1.30E-07	3.42E-07	1.84E-07	3.00E-09	5.59E-08	2.42E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 instate heavy	3.29E-07	8.71E-06	1.43E-06	1.09E-08	2.67E-07	1.20E-08	1.30E-07	4.09E-07	2.45E-07	3.00E-09	5.59E-08	3.04E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 instate small	2.25E-07	6.95E-06	9.95E-07	1.09E-08	1.96E-07	1.20E-08	1.30E-07	3.39E-07	1.81E-07	3.00E-09	5.59E-08	2.40E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 OOS heavy	2.32E-07	6.99E-06	1.02E-06	1.08E-08	2.02E-07	1.20E-08	1.30E-07	3.44E-07	1.85E-07	3.00E-09	5.59E-08	2.44E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 OOS small	1.83E-07	5.91E-06	7.98E-07	1.08E-08	1.71E-07	1.20E-08	1.30E-07	3.14E-07	1.58E-07	3.00E-09	5.59E-08	2.17E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6 Public	2.17E-07	8.93E-06	8.98E-07	1.10E-08	2.16E-07	1.20E-08	1.30E-07	3.59E-07	1.99E-07	3.00E-09	5.59E-08	2.58E-07	1.11E-03	1.11E-03
County	Los Angeles	2010	Annual	T6 utility	1.14E-07	7.26E-06	5.16E-07	1.09E-08	1.25E-07	1.20E-08	1.30E-07	2.67E-07	1.15E-07	3.00E-09	5.59E-08	1.74E-07	1.10E-03	1.10E-03
County	Los Angeles	2010	Annual	T6TS	3.94E-07	2.59E-06	8.07E-06	6.34E-09	2.32E-09	8.00E-09	3.67E-08	4.71E-08	2.06E-09	2.00E-09	1.57E-08	1.98E-08	4.75E-04	4.75E-04
County	Los Angeles	2010	Annual	T7 Ag	6.90E-07	1.59E-05	4.08E-06	1.68E-08	5.69E-07	3.60E-08	6.17E-08	6.67E-07	5.24E-07	9.00E-09	2.65E-08	5.59E-07	1.71E-03	1.71E-03
County	Los Angeles	2010	Annual	T7 CAIRP	5.27E-07	1.18E-05	2.62E-06	1.66E-08	3.98E-07	3.60E-08	6.17E-08	4.96E-07	3.66E-07	9.00E-09	2.65E-08	4.02E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 CAIRP construction	5.30E-07	1.18E-05	2.64E-06	1.66E-08	4.00E-07	3.60E-08	6.17E-08	4.98E-07	3.68E-07	9.00E-09	2.65E-08	4.04E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 NNOOS	3.95E-07	8.65E-06	1.92E-06	1.66E-08	2.64E-07	3.60E-08	6.17E-08	3.62E-07	2.43E-07	9.00E-09	2.65E-08	2.78E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 NOOS	5.27E-07	1.18E-05	2.62E-06	1.66E-08	3.98E-07	3.60E-08	6.17E-08	4.96E-07	3.66E-07	9.00E-09	2.65E-08	4.02E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 other port	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
County	Los Angeles	2010	Annual	T7 POAK	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
County	Los Angeles	2010	Annual	T7 POLA	3.16E-07	8.06E-06	1.47E-06	1.68E-08	1.91E-07	3.60E-08	6.17E-08	2.89E-07	1.76E-07	9.00E-09	2.65E-08	2.11E-07	1.72E-03	1.72E-03
County	Los Angeles	2010	Annual	T7 Public	3.99E-07	1.55E-05	2.43E-06	1.68E-08	4.30E-07	3.60E-08	6.17E-08	5.28E-07	3.96E-07	9.00E-09	2.65E-08	4.31E-07	1.72E-03	1.72E-03
County	Los Angeles	2010	Annual	T7 Single	4.41E-07	1.36E-05	2.53E-06	1.66E-08	3.57E-07	3.60E-08	6.17E-08	4.55E-07	3.29E-07	9.00E-09	2.65E-08	3.64E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 single construction	4.43E-07	1.36E-05	2.54E-06	1.66E-08	3.59E-07	3.60E-08	6.17E-08	4.57E-07	3.31E-07	9.00E-09	2.65E-08	3.66E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 SWCV	5.20E-07	1.49E-05	3.13E-06	1.69E-08	5.22E-07	3.60E-08	6.17E-08	6.20E-07	4.80E-07	9.00E-09	2.65E-08	5.16E-07	1.73E-03	1.73E-03
County	Los Angeles	2010	Annual	T7 tractor	6.37E-07	1.41E-05	3.53E-06	1.66E-08	4.69E-07	3.60E-08	6.17E-08	5.67E-07	4.31E-07	9.00E-09	2.65E-08	4.67E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 tractor construction	6.53E-07	1.44E-05	3.65E-06	1.67E-08	4.76E-07	3.60E-08	6.17E-08	5.74E-07	4.38E-07	9.00E-09	2.65E-08	4.73E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7 utility	2.07E-07	1.27E-05	1.13E-06	1.66E-08	2.08E-07	3.60E-08	6.17E-08	3.05E-07	1.91E-07	9.00E-09	2.65E-08	2.26E-07	1.70E-03	1.70E-03
County	Los Angeles	2010	Annual	T7IS	1.38E-06	6.93E-06	4.11E-05	7.05E-09	2.09E-09	8.00E-09	3.67E-08	4.68E-08	1.71E-09	2.00E-09	1.57E-08	1.95E-08	4.75E-04	4.75E-04
County	Los Angeles	2010	Annual	UBUS	5.60E-07	1.32E-05	3.58E-06	2.26E-08	1.67E-07	8.00E-09	7.23E-07	8.98E-07	1.54E-07	2.00E-09	3.10E-07	4.65E-07	2.31E-03	2.31E-03

UNINCORPORATED COUNTY OF LOS ANGELES — TRANSPORTATION SECTOR (Trips)

VMT	County of Los Angeles							Fleet Mix of Trips			
	Population	Employment	Service Population (SP)	Daily Trips*	Rate (Trips/ SP)	Adjusted Daily Trips (rounded)	Annual Trips	Percent Light Duty Autos (LDA)	Percent Light Duty Trucks (LDT)	Medium Dity Trucks (MDT)	Heavy Duty Trucks (HDT)
2010	1,935,489	683,942	2,619,431	5,924,072	2.26	5,924,100	2,055,662,700	96.7%	1.1%	0.7%	1.5%
2035	2,413,096	866,010	3,279,106	7,136,717	2.18	7,136,800	2,476,469,600	96.5%	1.1%	0.7%	1.6%
P-2035	3,394,938	1,025,472	4,420,410	8,578,454	1.94	8,578,500	2,976,739,500	96.9%	1.1%	0.7%	1.2%
Actual 2010	1,066,415	252,660	1,319,075	2,983,203	2.26	2,983,300	1,035,205,100	96.7%	1.1%	0.7%	1.5%
SCAG 2035	1,399,500	318,100	1,717,600	3,738,222	2.18	3,738,300	1,297,190,100	96.5%	1.1%	0.7%	1.6%
Actual P-2035	2,383,373	477,862	2,861,235	5,552,646	1.94	5,552,700	1,926,786,900	96.9%	1.1%	0.7%	1.2%
Change from Existing	1,316,958	225,202	1,542,160	2,569,443	-0.32						
Change from 2035	983,873	159,762	1,143,635	1,814,424	-0.24						

Source: 2010, 2035, and P-2035 Trips is based on data provided by ITERIS using SCAG's Regional Transportation Model and adjusted based on the population and employment forecasts for the unincorporated County General Plan Update.

Trips provided by ITERIS is based on Trips by TAZ zones, many of which include incorporated city population and employment. The Trips for the General Plan air quality and GHG analysis was adjusted based on the Trips/SP, as calculated by the SCAG model, for the unincorporated population and employment evaluated in the General Plan Update.

Adjusted trips is multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

LA COUNTY 2010 - all Model Years		g/hr								#	lbs/hr							
Season	Veh	ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2_5_IDLEX	CO2_IDLEX	CO2(Pavley I + LCFS)_IDLEX		ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2_5_IDLEX	CO2_IDLEX	CO2(Pavley I + LCFS)_IDLEX
Annual	All Other Buses	7.08E+00	1.10E+02	4.38E+01	6.47E-02	2.30E+00	2.12E+00	6.78E+03	6.78E+03		1.562E-02	2.429E-01	9.648E-02	1.426E-04	5.075E-03	4.669E-03	1.494E+01	1.494E+01
Annual	LDA	2.12E+00	1.79E+00	2.55E+01	1.85E-02	1.04E-01	9.52E-02	5.49E+03	5.47E+03		4.682E-03	3.945E-03	5.625E-02	4.088E-05	2.300E-04	2.098E-04	1.210E+01	1.205E+01
Annual	LDT1	5.17E+00	4.88E+00	6.68E+01	2.15E-02	2.07E-01	1.88E-01	6.31E+03	6.29E+03		1.140E-02	1.076E-02	1.473E-01	4.746E-05	4.564E-04	4.149E-04	1.391E+01	1.386E+01
Annual	LDT2	2.42E+00	3.56E+00	3.14E+01	2.53E-02	9.85E-02	9.01E-02	7.52E+03	7.49E+03		5.337E-03	7.844E-03	6.932E-02	5.586E-05	2.173E-04	1.987E-04	1.658E+01	1.650E+01
Annual	LHD1	5.64E+00	9.94E+00	6.28E+01	3.03E-02	1.90E-01	1.75E-01	1.07E+04	1.07E+04		1.244E-02	2.192E-02	1.384E-01	6.685E-05	4.194E-04	3.859E-04	2.355E+01	2.355E+01
Annual	LHD2	4.97E+00	1.82E+01	5.60E+01	2.88E-02	3.52E-01	3.23E-01	8.18E+03	8.18E+03		1.095E-02	4.002E-02	1.235E-01	6.354E-05	7.752E-04	7.116E-04	1.804E+01	1.804E+01
Annual	MCY	2.55E+01	5.53E+00	1.74E+02	9.54E-03	1.37E-02	1.08E-02	1.20E+03	1.20E+03		5.629E-02	1.220E-02	3.841E-01	2.102E-05	3.031E-05	2.376E-05	2.654E+00	2.654E+00
Annual	MDV	2.94E+00	4.31E+00	3.64E+01	3.19E-02	8.65E-02	7.93E-02	9.50E+03	9.47E+03		6.476E-03	9.508E-03	8.023E-02	7.038E-05	1.906E-04	1.749E-04	2.094E+01	2.088E+01
Annual	MH	1.54E+01	1.76E+01	3.23E+02	3.46E-02	5.47E-01	4.95E-01	1.25E+04	1.25E+04		3.395E-02	3.876E-02	7.128E-01	7.635E-05	1.205E-03	1.091E-03	2.753E+01	2.753E+01
Annual	Motor Coach	1.09E+01	1.00E+02	4.69E+01	6.54E-02	1.56E+00	1.44E+00	6.85E+03	6.85E+03		2.414E-02	2.206E-01	1.034E-01	1.441E-04	3.447E-03	3.171E-03	1.510E+01	1.510E+01
Annual	OBUS	5.00E+00	5.15E+00	7.21E+01	3.11E-02	3.07E-02	2.81E-02	1.26E+04	1.26E+04		1.102E-02	1.136E-02	1.589E-01	6.856E-05	6.776E-05	6.201E-05	2.771E+01	2.771E+01
Annual	SBUS	1.35E+01	8.22E+01	1.48E+02	5.83E-02	1.61E+00	1.48E+00	8.15E+03	8.15E+03		2.981E-02	1.813E-01	3.267E-01	1.285E-04	3.557E-03	3.268E-03	1.796E+01	1.796E+01
Annual	T6 Ag	1.06E+01	9.69E+01	5.53E+01	6.11E-02	3.37E+00	3.10E+00	6.41E+03	6.41E+03		2.345E-02	2.136E-01	1.218E-01	1.348E-04	7.425E-03	6.831E-03	1.413E+01	1.413E+01
Annual	T6 CAIRP heavy	3.30E+00	1.02E+02	3.09E+01	6.91E-02	9.88E-01	9.09E-01	7.25E+03	7.25E+03		7.268E-03	2.258E-01	6.805E-02	1.524E-04	2.178E-03	2.004E-03	1.598E+01	1.598E+01
Annual	T6 CAIRP small	2.55E+00	1.01E+02	2.75E+01	7.13E-02	6.88E-01	6.33E-01	7.47E+03	7.47E+03		5.624E-03	2.231E-01	6.057E-02	1.571E-04	1.517E-03	1.396E-03	1.647E+01	1.647E+01
Annual	T6 instate construction heavy	4.67E+00	1.04E+02	3.65E+01	6.61E-02	1.51E+00	1.39E+00	6.93E+03	6.93E+03		1.029E-02	2.304E-01	8.042E-02	1.458E-04	3.321E-03	3.055E-03	1.528E+01	1.528E+01
Annual	T6 instate construction small	3.12E+00	1.06E+02	3.00E+01	6.97E-02	9.40E-01	8.64E-01	7.30E+03	7.30E+03		6.881E-03	2.331E-01	6.613E-02	1.536E-04	2.072E-03	1.906E-03	1.610E+01	1.610E+01
Annual	T6 instate heavy	4.64E+00	1.04E+02	3.64E+01	6.62E-02	1.49E+00	1.37E+00	6.94E+03	6.94E+03		1.024E-02	2.291E-01	8.021E-02	1.459E-04	3.294E-03	3.030E-03	1.529E+01	1.529E+01
Annual	T6 instate small	3.11E+00	1.05E+02	2.99E+01	6.97E-02	9.28E-01	8.53E-01	7.31E+03	7.31E+03		6.851E-03	2.311E-01	6.598E-02	1.537E-04	2.045E-03	1.882E-03	1.611E+01	1.611E+01
Annual	T6 OOS heavy	3.30E+00	1.02E+02	3.09E+01	6.91E-02	9.88E-01	9.09E-01	7.25E+03	7.25E+03		7.268E-03	2.258E-01	6.805E-02	1.524E-04	2.178E-03	2.004E-03	1.598E+01	1.598E+01
Annual	T6 OOS small	2.55E+00	1.01E+02	2.75E+01	7.13E-02	6.88E-01	6.33E-01	7.47E+03	7.47E+03		5.624E-03	2.231E-01	6.057E-02	1.571E-04	1.517E-03	1.396E-03	1.647E+01	1.647E+01
Annual	T6 Public	5.62E+00	1.06E+02	3.94E+01	6.54E-02	1.81E+00	1.67E+00	6.86E+03	6.86E+03		1.238E-02	2.331E-01	8.680E-02	1.443E-04	4.001E-03	3.681E-03	1.512E+01	1.512E+01
Annual	T6 utility	3.05E+00	1.09E+02	3.00E+01	6.94E-02	9.46E-01	8.71E-01	7.27E+03	7.27E+03		6.720E-03	2.392E-01	6.604E-02	1.530E-04	2.086E-03	1.919E-03	1.604E+01	1.604E+01
Annual	T6TS	1.44E+01	9.57E+00	2.09E+02	3.17E-02	8.54E-02	7.59E-02	1.26E+04	1.26E+04		3.175E-02	2.109E-02	4.607E-01	6.991E-05	1.883E-04	1.672E-04	2.771E+01	2.771E+01
Annual	T7 Ag	1.67E+01	9.40E+01	5.42E+01	6.31E-02	2.90E+00	2.67E+00	6.61E+03	6.61E+03		3.682E-02	2.072E-01	1.195E-01	1.390E-04	6.401E-03	5.889E-03	1.457E+01	1.457E+01
Annual	T7 CAIRP	8.25E+00	1.05E+02	4.32E+01	6.66E-02	9.71E-01	8.94E-01	6.98E+03	6.98E+03		1.819E-02	2.307E-01	9.527E-02	1.468E-04	2.141E-03	1.970E-03	1.538E+01	1.538E+01
Annual	T7 CAIRP construction	8.25E+00	1.05E+02	4.32E+01	6.66E-02	9.76E-01	8.98E-01	6.98E+03	6.98E+03		1.820E-02	2.315E-01	9.529E-02	1.468E-04	2.152E-03	1.980E-03	1.538E+01	1.538E+01
Annual	T7 NNOOS	7.71E+00	8.30E+01	4.23E+01	6.69E-02	6.32E-01	5.82E-01	7.01E+03	7.01E+03		1.701E-02	1.830E-01	9.330E-02	1.475E-04	1.394E-03	1.282E-03	1.546E+01	1.546E+01
Annual	T7 NOOS	8.25E+00	1.05E+02	4.32E+01	6.66E-02	9.71E-01	8.94E-01	6.98E+03	6.98E+03		1.819E-02	2.307E-01	9.527E-02	1.468E-04	2.141E-03	1.970E-03	1.538E+01	1.538E+01
Annual	T7 other port										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA	7.46E+00	6.81E+01	4.18E+01	6.71E-02	4.26E-01	3.92E-01	7.03E+03	7.03E+03		1.645E-02	1.502E-01	9.226E-02	1.479E-04	9.396E-04	8.644E-04	1.550E+01	1.550E+01
Annual	T7 Public	1.39E+01	9.79E+01	5.10E+01	6.40E-02	2.23E+00	2.05E+00	6.71E+03	6.71E+03		3.059E-02	2.158E-01	1.124E-01	1.411E-04	4.921E-03	4.527E-03	1.479E+01	1.479E+01
Annual	T7 Single	1.10E+01	1.01E+02	4.74E+01	6.51E-02	1.56E+00	1.44E+00	6.83E+03	6.83E+03		2.426E-02	2.233E-01	1.045E-01	1.436E-04	3.446E-03	3.171E-03	1.505E+01	1.505E+01
Annual	T7 single construction	1.10E+01	1.02E+02	4.74E+01	6.51E-02	1.57E+00	1.44E+00	6.83E+03	6.83E+03		2.429E-02	2.239E-01	1.045E-01	1.436E-04	3.460E-03	3.183E-03	1.505E+01	1.505E+01
Annual	T7 SWCV	1.34E+01	9.66E+01	5.01E+01	6.44E-02	2.13E+00	1.96E+00	6.75E+03	6.75E+03		2.958E-02	2.129E-01	1.104E-01	1.419E-04	4.696E-03	4.320E-03	1.488E+01	1.488E+01
Annual	T7 tractor	1.07E+01	1.03E+02	4.67E+01	6.54E-02	1.52E+00	1.40E+00	6.85E+03	6.85E+03		2.354E-02	2.270E-01	1.030E-01	1.442E-04	3.346E-03	3.078E-03	1.511E+01	1.511E+01
Annual	T7 tractor construction	1.07E+01	1.03E+02	4.67E+01	6.54E-02	1.52E+00	1.40E+00	6.85E+03	6.85E+03		2.358E-02	2.277E-01	1.031E-01	1.441E-04	3.361E-03	3.092E-03	1.511E+01	1.511E+01
Annual	T7 utility	9.54E+00	1.01E+02	4.53E+01	6.58E-02	1.23E+00	1.13E+00	6.90E+03	6.90E+03		2.103E-02	2.237E-01	9.978E-02	1.452E-04	2.703E-03	2.487E-03	1.522E+01	1.522E+01
Annual	T7IS	5.08E+01	2.55E+01	1.08E+03	3.52E-02	7.95E-02	6.49E-02	1.26E+04	1.26E+04		1.120E-01	5.616E-02	2.392E+00	7.768E-05	1.752E-04	1.431E-04	2.771E+01	2.771E+01
Annual	UBUS	1.47E+01	1.50E+02	1.08E+02	1.13E-01	3.61E+00	3.32E+00	1.31E+04	1.31E+04		3.245E-02	3.304E-01	2.374E-01	2.490E-04	7.958E-03	7.320E-03	2.884E+01	2.884E+01
Annual	UBUS	2.03E-01	4.97E+00	1.07E+00	1.98E-02	7.82E-02	2.00E-03	2.03E+03	1.82E+03		4.483E-04	1.096E-02	2.365E-03	4.363E-05	1.723E-04	4.409E-06	4.469E+00	4.022E+00

LA COUNTY 2010 - all Model Years	1.0E-06	MTons/hr							
Season	Veh	ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2_5_IDLEX	CO2_IDLEX	CO2(Pavley I + LCFS)_IDLEX
Annual	All Other Buses	7.084E-06	1.102E-04	4.376E-05	6.466E-08	2.302E-06	2.118E-06	6.778E-03	6.778E-03
Annual	LDA	2.124E-06	1.790E-06	2.552E-05	1.854E-08	1.043E-07	9.518E-08	5.490E-03	5.466E-03
Annual	LDT1	5.173E-06	4.883E-06	6.681E-05	2.153E-08	2.070E-07	1.882E-07	6.308E-03	6.286E-03
Annual	LDT2	2.421E-06	3.558E-06	3.145E-05	2.534E-08	9.855E-08	9.013E-08	7.520E-03	7.486E-03
Annual	LHD1	5.642E-06	9.944E-06	6.277E-05	3.032E-08	1.902E-07	1.750E-07	1.068E-02	1.068E-02
Annual	LHD2	4.967E-06	1.815E-05	5.602E-05	2.882E-08	3.516E-07	3.228E-07	8.185E-03	8.185E-03
Annual	MCY	2.553E-05	5.534E-06	1.742E-04	9.535E-09	1.375E-08	1.078E-08	1.204E-03	1.204E-03
Annual	MDV	2.938E-06	4.313E-06	3.639E-05	3.192E-08	8.646E-08	7.933E-08	9.497E-03	9.470E-03
Annual	MH	1.540E-05	1.758E-05	3.233E-04	3.463E-08	5.466E-07	4.950E-07	1.249E-02	1.249E-02
Annual	Motor Coach	1.095E-05	1.001E-04	4.692E-05	6.535E-08	1.564E-06	1.439E-06	6.850E-03	6.850E-03
Annual	OBUS	5.000E-06	5.155E-06	7.209E-05	3.110E-08	3.074E-08	2.813E-08	1.257E-02	1.257E-02
Annual	SBUS	1.352E-05	8.223E-05	1.482E-04	5.828E-08	1.613E-06	1.483E-06	8.148E-03	8.148E-03
Annual	T6 Ag	1.064E-05	9.688E-05	5.525E-05	6.114E-08	3.368E-06	3.098E-06	6.409E-03	6.409E-03
Annual	T6 CAIRP heavy	3.297E-06	1.024E-04	3.087E-05	6.914E-08	9.879E-07	9.089E-07	7.247E-03	7.247E-03
Annual	T6 CAIRP small	2.551E-06	1.012E-04	2.747E-05	7.127E-08	6.882E-07	6.332E-07	7.471E-03	7.471E-03
Annual	T6 instate construction heavy	4.666E-06	1.045E-04	3.648E-05	6.613E-08	1.506E-06	1.386E-06	6.931E-03	6.931E-03
Annual	T6 instate construction small	3.121E-06	1.058E-04	2.999E-05	6.969E-08	9.397E-07	8.645E-07	7.305E-03	7.305E-03
Annual	T6 instate heavy	4.645E-06	1.039E-04	3.638E-05	6.618E-08	1.494E-06	1.375E-06	6.937E-03	6.937E-03
Annual	T6 instate small	3.107E-06	1.048E-04	2.993E-05	6.973E-08	9.277E-07	8.535E-07	7.309E-03	7.309E-03
Annual	T6 OOS heavy	3.297E-06	1.024E-04	3.087E-05	6.914E-08	9.879E-07	9.089E-07	7.247E-03	7.247E-03
Annual	T6 OOS small	2.551E-06	1.012E-04	2.747E-05	7.127E-08	6.882E-07	6.332E-07	7.471E-03	7.471E-03
Annual	T6 Public	5.615E-06	1.057E-04	3.937E-05	6.544E-08	1.815E-06	1.670E-06	6.859E-03	6.859E-03
Annual	T6 utility	3.048E-06	1.085E-04	2.996E-05	6.940E-08	9.462E-07	8.705E-07	7.274E-03	7.274E-03
Annual	T6TS	1.440E-05	9.569E-06	2.090E-04	3.171E-08	8.540E-08	7.586E-08	1.257E-02	1.257E-02
Annual	T7 Ag	1.670E-05	9.399E-05	5.422E-05	6.307E-08	2.904E-06	2.671E-06	6.611E-03	6.611E-03
Annual	T7 CAIRP	8.250E-06	1.047E-04	4.321E-05	6.657E-08	9.713E-07	8.936E-07	6.978E-03	6.978E-03
Annual	T7 CAIRP construction	8.255E-06	1.050E-04	4.322E-05	6.657E-08	9.760E-07	8.979E-07	6.977E-03	6.977E-03
Annual	T7 NNOOS	7.715E-06	8.302E-05	4.232E-05	6.689E-08	6.322E-07	5.816E-07	7.012E-03	7.012E-03
Annual	T7 NOOS	8.250E-06	1.047E-04	4.321E-05	6.657E-08	9.713E-07	8.936E-07	6.978E-03	6.978E-03
Annual	T7 other port	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA	7.459E-06	6.813E-05	4.185E-05	6.707E-08	4.262E-07	3.921E-07	7.030E-03	7.030E-03
Annual	T7 Public	1.387E-05	9.786E-05	5.097E-05	6.402E-08	2.232E-06	2.053E-06	6.711E-03	6.711E-03
Annual	T7 Single	1.100E-05	1.013E-04	4.739E-05	6.514E-08	1.563E-06	1.438E-06	6.827E-03	6.827E-03
Annual	T7 single construction	1.102E-05	1.016E-04	4.741E-05	6.513E-08	1.569E-06	1.444E-06	6.827E-03	6.827E-03
Annual	T7 SWCV	1.342E-05	9.656E-05	5.006E-05	6.437E-08	2.130E-06	1.959E-06	6.747E-03	6.747E-03
Annual	T7 tractor	1.068E-05	1.030E-04	4.672E-05	6.539E-08	1.518E-06	1.396E-06	6.854E-03	6.854E-03
Annual	T7 tractor construction	1.069E-05	1.033E-04	4.675E-05	6.538E-08	1.524E-06	1.402E-06	6.853E-03	6.853E-03
Annual	T7 utility	9.540E-06	1.015E-04	4.526E-05	6.585E-08	1.226E-06	1.128E-06	6.902E-03	6.902E-03
Annual	T7IS	5.081E-05	2.547E-05	1.085E-03	3.524E-08	7.949E-08	6.489E-08	1.257E-02	1.257E-02
Annual	UBUS	1.472E-05	1.499E-04	1.077E-04	1.129E-07	3.610E-06	3.320E-06	1.308E-02	1.308E-02
Annual	UBUS	2.033E-07	4.972E-06	1.073E-06	1.979E-08	7.815E-08	2.000E-09	2.027E-03	1.824E-03

LA COUNTY 2010 - all Model Years		g/trip								#	lbs/trip							
Season	Veh	ROG_STREX	NOx_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2_5_STREX	CO2_STREX	CO2(Pavley I + LCFS)_STREX		ROG_STREX	NOx_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2_5_STREX	CO2_STREX	CO2(Pavley I + LCFS)_STREX
Annual	All Other Buses										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	LDA	4.23E-01	3.10E-01	4.52E+00	8.15E-04	4.61E-03	4.16E-03	7.32E+01	7.30E+01		9.332E-04	6.825E-04	9.971E-03	1.798E-06	1.016E-05	9.182E-06	1.614E-01	1.610E-01
Annual	LDT1	7.40E-01	4.94E-01	8.97E+00	1.00E-03	8.21E-03	7.43E-03	8.42E+01	8.40E+01		1.632E-03	1.089E-03	1.979E-02	2.215E-06	1.811E-05	1.638E-05	1.856E-01	1.851E-01
Annual	LDT2	4.77E-01	5.74E-01	5.74E+00	1.10E-03	4.08E-03	3.72E-03	9.94E+01	9.91E+01		1.052E-03	1.265E-03	1.264E-02	2.420E-06	8.995E-06	8.203E-06	2.192E-01	2.185E-01
Annual	LHD1	7.13E-01	1.74E+00	8.23E+00	6.29E-04	2.41E-03	2.19E-03	4.78E+01	4.78E+01		1.572E-03	3.834E-03	1.815E-02	1.386E-06	5.314E-06	4.828E-06	1.053E-01	1.053E-01
Annual	LHD2	5.60E-01	1.24E+00	6.38E+00	4.76E-04	2.21E-03	1.94E-03	3.58E+01	3.58E+01		1.233E-03	2.736E-03	1.407E-02	1.048E-06	4.875E-06	4.269E-06	7.900E-02	7.900E-02
Annual	MCY	2.38E+00	3.10E-01	9.47E+00	7.40E-04	4.93E-03	3.79E-03	5.16E+01	5.16E+01		5.244E-03	6.828E-04	2.088E-02	1.632E-06	1.088E-05	8.364E-06	1.139E-01	1.139E-01
Annual	MDV	6.26E-01	6.72E-01	6.97E+00	1.38E-03	4.32E-03	3.96E-03	1.25E+02	1.25E+02		1.381E-03	1.482E-03	1.536E-02	3.041E-06	9.532E-06	8.724E-06	2.761E-01	2.756E-01
Annual	MH	1.40E+00	1.31E+00	1.83E+01	7.76E-04	5.62E-03	4.58E-03	4.44E+01	4.44E+01		3.086E-03	2.878E-03	4.041E-02	1.710E-06	1.239E-05	1.010E-05	9.791E-02	9.791E-02
Annual	Motor Coach										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	OBUS	8.45E-01	1.66E+00	1.29E+01	6.20E-04	1.78E-03	1.51E-03	3.92E+01	3.92E+01		1.864E-03	3.656E-03	2.834E-02	1.367E-06	3.935E-06	3.324E-06	8.651E-02	8.651E-02
Annual	PTO										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	SBUS	3.11E+00	2.81E+00	4.67E+01	2.18E-03	1.01E-02	8.72E-03	1.35E+02	1.35E+02		6.861E-03	6.198E-03	1.030E-01	4.808E-06	2.221E-05	1.922E-05	2.980E-01	2.980E-01
Annual	T6 Ag										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 Public										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 utility										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6TS	2.52E+00	2.84E+00	3.20E+01	1.32E-03	8.55E-03	6.94E-03	7.37E+01	7.37E+01		5.563E-03	6.270E-03	7.057E-02	2.906E-06	1.884E-05	1.531E-05	1.625E-01	1.625E-01
Annual	T7 Ag										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP construction										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NNOOS										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NOOS										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 other port										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Public										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Single										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 single construction										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 SWCV										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor construction										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 utility										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7IS	7.47E+00	4.77E+00	1.30E+02	3.50E-03	2.19E-02	1.68E-02	1.23E+02	1.23E+02		1.647E-02	1.052E-02	2.860E-01	7.713E-06	4.825E-05	3.696E-05	2.704E-01	2.704E-01
Annual	UBUS	6.38E-01	8.96E-01	8.88E+00	3.86E-04	8.89E-04	7.82E-04	2.27E+01	2.27E+01		1.407E-03	1.976E-03	1.958E-02	8.504E-07	1.959E-06	1.723E-06	4.994E-02	4.994E-02

LA COUNTY 2010 - all Model Years	1.0E-06	MTons/Trip							
Season	Veh	ROG_STREX	NOx_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2_5_STREX	CO2_STREX	CO2(Pavley I + LCFS)_STREX
Annual	All Other Buses	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	LDA	4.233E-07	3.096E-07	4.523E-06	8.154E-10	4.609E-09	4.165E-09	7.323E-05	7.302E-05
Annual	LDT1	7.402E-07	4.937E-07	8.975E-06	1.005E-09	8.213E-09	7.431E-09	8.418E-05	8.398E-05
Annual	LDT2	4.773E-07	5.738E-07	5.735E-06	1.098E-09	4.080E-09	3.721E-09	9.945E-05	9.912E-05
Annual	LHD1	7.133E-07	1.739E-06	8.233E-06	6.287E-10	2.410E-09	2.190E-09	4.778E-05	4.778E-05
Annual	LHD2	5.595E-07	1.241E-06	6.382E-06	4.756E-10	2.212E-09	1.937E-09	3.583E-05	3.583E-05
Annual	MCY	2.378E-06	3.097E-07	9.472E-06	7.403E-10	4.934E-09	3.794E-09	5.165E-05	5.165E-05
Annual	MDV	6.265E-07	6.725E-07	6.968E-06	1.379E-09	4.324E-09	3.957E-09	1.252E-04	1.250E-04
Annual	MH	1.400E-06	1.306E-06	1.833E-05	7.755E-10	5.622E-09	4.581E-09	4.441E-05	4.441E-05
Annual	Motor Coach	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	OBUS	8.454E-07	1.658E-06	1.285E-05	6.203E-10	1.785E-09	1.508E-09	3.924E-05	3.924E-05
Annual	PTO	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	SBUS	3.112E-06	2.811E-06	4.671E-05	2.181E-09	1.008E-08	8.718E-09	1.352E-04	1.352E-04
Annual	T6 Ag	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 Public	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 utility	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6TS	2.523E-06	2.844E-06	3.201E-05	1.318E-09	8.547E-09	6.944E-09	7.370E-05	7.370E-05
Annual	T7 Ag	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP construction	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NNOOS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NOOS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 other port	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Public	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Single	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 single construction	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 SWCV	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor construction	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 utility	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7IS	7.471E-06	4.771E-06	1.297E-04	3.499E-09	2.189E-08	1.676E-08	1.226E-04	1.226E-04
Annual	UBUS	6.381E-07	8.964E-07	8.882E-06	3.857E-10	8.888E-10	7.817E-10	2.265E-05	2.265E-05

	LA COUNTY 2010 - all Model Years					g/veh	#	lbs/veh	1.0E-06	MTons/veh
Season	Veh	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_RESTL	ROG_EVAPTOTAL		ROG_EVAPTOTAL		ROG_EVAPTOTAL
Annual	All Other Buses							0.000E+00		0.000E+00
Annual	LDA	7.43E-01	1.41E+00	3.77E+00	5.18E-01	6.44E+00		1.420E-02		6.441E-06
Annual	LDT1	1.43E+00	2.48E+00	9.73E+00	9.81E-01	1.46E+01		3.225E-02		1.463E-05
Annual	LDT2	6.39E-01	1.21E+00	4.71E+00	4.59E-01	7.02E+00		1.548E-02		7.022E-06
Annual	LHD1	5.35E-02	1.15E+00	6.21E+00	2.90E-02	7.45E+00		1.641E-02		7.445E-06
Annual	LHD2	4.29E-02	1.04E+00	5.34E+00	2.30E-02	6.44E+00		1.420E-02		6.440E-06
Annual	MCY	2.14E+00	1.40E+00	6.28E+00	1.34E+00	1.12E+01		2.459E-02		1.115E-05
Annual	MDV	5.38E-01	1.01E+00	3.62E+00	4.26E-01	5.60E+00		1.235E-02		5.603E-06
Annual	MH	2.09E-01	1.52E-02	2.41E-01	8.49E-02	5.50E-01		1.213E-03		5.502E-07
Annual	Motor Coach					0.00E+00		0.000E+00		0.000E+00
Annual	OBUS	4.34E-02	1.21E+00	1.27E+01	1.91E-02	1.40E+01		3.079E-02		1.397E-05
Annual	PTO					0.00E+00		0.000E+00		0.000E+00
Annual	SBUS	4.62E-02	3.16E-01	2.59E+00	1.98E-02	2.98E+00		6.559E-03		2.975E-06
Annual	T6 Ag					0.00E+00		0.000E+00		0.000E+00
Annual	T6 CAIRP heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 CAIRP small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate construction heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate construction small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 OOS heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 OOS small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 Public					0.00E+00		0.000E+00		0.000E+00
Annual	T6 utility					0.00E+00		0.000E+00		0.000E+00
Annual	T6TS	1.13E-01	5.57E+00	2.41E+01	6.40E-02	2.98E+01		6.577E-02		2.983E-05
Annual	T7 Ag					0.00E+00		0.000E+00		0.000E+00
Annual	T7 CAIRP					0.00E+00		0.000E+00		0.000E+00
Annual	T7 CAIRP construction					0.00E+00		0.000E+00		0.000E+00
Annual	T7 NNOOS					0.00E+00		0.000E+00		0.000E+00
Annual	T7 NOOS					0.00E+00		0.000E+00		0.000E+00
Annual	T7 other port					0.00E+00		0.000E+00		0.000E+00
Annual	T7 POAK					0.00E+00		0.000E+00		0.000E+00
Annual	T7 POLA					0.00E+00		0.000E+00		0.000E+00
Annual	T7 Public					0.00E+00		0.000E+00		0.000E+00
Annual	T7 Single					0.00E+00		0.000E+00		0.000E+00
Annual	T7 single construction					0.00E+00		0.000E+00		0.000E+00
Annual	T7 SWCV					0.00E+00		0.000E+00		0.000E+00
Annual	T7 tractor					0.00E+00		0.000E+00		0.000E+00
Annual	T7 tractor construction					0.00E+00		0.000E+00		0.000E+00
Annual	T7 utility					0.00E+00		0.000E+00		0.000E+00
Annual	T7IS	2.01E-01	1.45E+01	8.02E+01	1.17E-01	9.51E+01		2.096E-01		9.506E-05
Annual	UBUS	1.81E-02	3.49E-01	2.19E+00	1.01E-02	2.57E+00		5.661E-03		2.568E-06

2010 Daily Trips

Based on EMFAC2011

Emission year	Daily							
		2,983,300				lbs/day		
	Percent of VMT	Adjust % VMT	ROG	NOx	CO	SOx	PM10	PM2.5
All Other Buses	0.07%	0.01%	0	7	3	0	0	0
LDA	53.31%	96.03%	24,132	2,897	41,995	15	84	76
LDT1	5.94%	0.27%	152	16	260	0	0	0
LDT2	17.93%	0.82%	226	47	451	0	1	1
LHD1	3.92%	0.66%	213	112	586	0	1	1
LHD2	0.64%	0.11%	30	20	79	0	0	0
MCY	0.36%	0.65%	431	33	1,026	0	0	0
MDV	13.43%	0.71%	171	48	467	0	1	0
MH	0.16%	0.03%	5	5	82	0	0	0
Motor Coach	0.07%	0.01%	1	6	3	0	0	0
OBUS	0.11%	0.02%	10	3	24	0	0	0
SBUS	0.05%	0.01%	1	3	6	0	0	0
T6 Ag	0.05%	0.01%	3	7	31	0	0	0
T6 CAIRP heavy	0.00%	0.00%	0	0	0	0	0	0
T6 CAIRP small	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction heavy	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction small	0.03%	0.01%	0	3	1	0	0	0
T6 instate heavy	0.10%	0.02%	0	9	3	0	0	0
T6 instate small	0.24%	0.04%	1	23	7	0	0	0
T6 OOS heavy	0.68%	0.11%	2	64	19	0	1	1
T6 OOS small	0.00%	0.00%	0	0	0	0	0	0
T6 Public	0.00%	0.00%	0	0	0	0	0	0
T6 utility	0.03%	0.00%	0	3	1	0	0	0
T6TS	0.00%	0.00%	0	0	1	0	0	0
T7 Ag	0.30%	0.05%	64	36	123	0	1	1
T7 CAIRP	0.00%	0.00%	0	0	0	0	0	0
T7 CAIRP construction	0.35%	0.06%	3	34	14	0	0	0
T7 NNOOS	0.03%	0.00%	0	2	1	0	0	0
T7 NOOS	0.40%	0.07%	3	38	16	0	0	0
T7 other port	0.13%	0.02%	0	0	0	0	0	0
T7 POAK	0.00%	0.00%	0	0	0	0	0	0
T7 POLA	0.00%	0.00%	0	0	0	0	0	0
T7 Public	0.38%	0.06%	5	34	18	0	1	1
T7 Single	0.02%	0.00%	0	2	1	0	0	0
T7 single construction	0.19%	0.03%	2	18	8	0	0	0
T7 SWCV	0.07%	0.01%	1	6	3	0	0	0
T7 tractor	0.07%	0.01%	1	6	3	0	0	0
T7 tractor construction	0.50%	0.08%	5	48	22	0	1	1
T7 utility	0.05%	0.01%	0	5	2	0	0	0
T7IS	0.00%	0.00%	0	0	3	0	0	0
UBUS	0.04%	0.01%	27	8	68	0	0	0
UBUS	0.32%	0.05%	7	5	32	0	0	0
TOTAL	100%	100%	**25,498**	**3,550**	**45,358**	**16**	**92**	**84**

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

Existing 2010

Based on EMFAC2011 **(MTons/Year)**

				GWP	GWP			
	1,035,205,100			310	1	MTons		MTons
	Percent of VMT	Adjust % VMT	NOx	N2O	CO2	CO2e	CO2w/Pavley + LCF	CO2e w/ Pavley + LCFS
All Other Buses	0%	0.01%	1	0	65	76	65	76
LDA	53%	96.03%	456	15	527,581	532,076	525,385	529,880
LDT1	6%	0.27%	3	0	1,717	1,742	1,711	1,736
LDT2	18%	0.82%	7	0	6,172	6,245	6,145	6,218
LHD1	4%	0.66%	18	1	6,423	6,596	6,423	6,596
LHD2	1%	0.11%	3	0	806	837	806	837
MCY	0%	0.65%	5	0	1,023	1,075	1,023	1,075
MDV	13%	0.71%	8	0	6,731	6,806	6,713	6,788
MH	0%	0.03%	1	0	309	317	309	317
Motor Coach	0%	0.01%	1	0	67	76	67	76
OBUS	0%	0.02%	0	0	214	218	214	218
SBUS	0%	0.01%	1	0	54	60	54	60
T6 Ag	0%	0.01%	1	0	64	74	64	74
T6 CAIRP heavy	0%	0.00%	0	0	2	2	2	2
T6 CAIRP small	0%	0.00%	0	0	1	1	1	1
T6 instate construction heavy	0%	0.00%	0	0	3	3	3	3
T6 instate construction small	0%	0.01%	1	0	37	42	37	42
T6 instate heavy	0%	0.02%	1	0	100	114	100	114
T6 instate small	0%	0.04%	4	0	251	287	251	287
T6 OOS heavy	1%	0.11%	10	0	715	814	715	814
T6 OOS small	0%	0.00%	0	0	0	1	0	1
T6 Public	0%	0.00%	0	0	2	2	2	2
T6 utility	0%	0.00%	0	0	28	32	28	32
T6TS	0%	0.00%	0	0	9	9	9	9
T7 Ag	0%	0.05%	6	0	332	387	332	387
T7 CAIRP	0%	0.00%	0	0	5	5	5	5
T7 CAIRP construction	0%	0.06%	5	0	359	412	359	412
T7 NNOOS	0%	0.00%	0	0	27	30	27	30
T7 NOOS	0%	0.07%	6	0	404	463	404	463
T7 other port	0%	0.02%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	0%	0.00%	0	0	0	0	0	0
T7 Public	0%	0.06%	5	0	369	422	369	422
T7 Single	0%	0.00%	0	0	25	28	25	28
T7 single construction	0%	0.03%	3	0	189	216	189	216
T7 SWCV	0%	0.01%	1	0	66	75	66	75
T7 tractor	0%	0.01%	1	0	67	77	67	77
T7 tractor construction	0%	0.08%	7	0	497	571	497	571
T7 utility	0%	0.01%	1	0	50	58	50	58
T7IS	0%	0.00%	0	0	5	5	5	5
UBUS	0%	0.01%	1	0	93	106	93	106
UBUS	0%	0.05%	1	0	108	116	99	106
TOTAL	100%	100%	**559**	**18**	**554,967**	**560,475**	**552,711**	**558,219**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily trips multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

LA COUNTY 2035 - all Model Years		g/hr								#	lbs/hr							
Season	Veh	ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2_5_IDLEX	CO2_IDLEX	CO2(Pavley I + LCFS)_IDLEX		ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2_5_IDLEX	CO2_IDLEX	CO2(Pavley I + LCFS)_IDLEX
Annual	All Other Buses	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	LDA	3.19E-01	5.12E-01	5.36E+00	1.87E-02	6.91E-02	6.41E-02	5.52E+03	3.29E+03		7.033E-04	1.129E-03	1.182E-02	4.123E-05	1.524E-04	1.414E-04	1.216E+01	7.259E+00
Annual	LDT1	4.18E-01	6.46E-01	6.96E+00	2.17E-02	6.91E-02	6.42E-02	6.42E+03	3.98E+03		9.209E-04	1.423E-03	1.534E-02	4.788E-05	1.524E-04	1.414E-04	1.415E+01	8.778E+00
Annual	LDT2	4.03E-01	6.58E-01	6.49E+00	2.54E-02	6.87E-02	6.37E-02	7.52E+03	5.13E+03		8.879E-04	1.452E-03	1.430E-02	5.608E-05	1.514E-04	1.405E-04	1.657E+01	1.131E+01
Annual	LHD1	4.15E-01	1.94E+00	6.03E+00	3.01E-02	6.60E-02	6.08E-02	1.06E+04	9.55E+03		9.140E-04	4.273E-03	1.329E-02	6.639E-05	1.455E-04	1.340E-04	2.340E+01	2.106E+01
Annual	LHD2	5.43E-01	3.38E+00	7.48E+00	2.84E-02	1.31E-01	1.20E-01	8.08E+03	7.27E+03		1.198E-03	7.453E-03	1.649E-02	6.272E-05	2.878E-04	2.648E-04	1.781E+01	1.603E+01
Annual	MCY	2.34E+01	6.15E+00	1.17E+02	9.81E-03	2.34E-03	2.05E-03	1.33E+03	1.20E+03		5.149E-02	1.355E-02	2.581E-01	2.162E-05	5.152E-06	4.530E-06	2.936E+00	2.643E+00
Annual	MDV	5.66E-01	9.07E-01	8.76E+00	3.26E-02	6.67E-02	6.19E-02	9.64E+03	6.74E+03		1.248E-03	1.999E-03	1.931E-02	7.179E-05	1.470E-04	1.364E-04	2.124E+01	1.487E+01
Annual	MH	8.19E-01	6.36E+00	4.19E+00	3.37E-02	5.09E-02	4.69E-02	1.25E+04	1.13E+04		1.807E-03	1.402E-02	9.239E-03	7.428E-05	1.122E-04	1.033E-04	2.757E+01	2.481E+01
Annual	Motor Coach	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	OBUS	3.73E-01	6.13E-01	5.39E+00	3.09E-02	5.06E-03	4.70E-03	1.26E+04	1.13E+04		8.232E-04	1.352E-03	1.189E-02	6.812E-05	1.116E-05	1.036E-05	2.771E+01	2.494E+01
Annual	SBUS	2.06E+00	3.26E+01	2.55E+01	6.33E-02	9.64E-02	8.87E-02	8.95E+03	8.06E+03		4.546E-03	7.196E-02	5.614E-02	1.396E-04	2.125E-04	1.956E-04	1.974E+01	1.777E+01
Annual	T6 Ag	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 CAIRP heavy	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 CAIRP small	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 instate construction heavy	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 instate construction small	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 instate heavy	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 instate small	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 OOS heavy	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 OOS small	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6 Public	2.17E+00	4.23E+01	2.55E+01	7.28E-02	1.26E-01	1.16E-01	7.63E+03	6.87E+03		4.786E-03	9.325E-02	5.630E-02	1.604E-04	2.782E-04	2.559E-04	1.682E+01	1.514E+01
Annual	T6 utility	2.15E+00	3.84E+01	2.54E+01	7.29E-02	9.03E-02	8.31E-02	7.64E+03	6.87E+03		4.740E-03	8.468E-02	5.605E-02	1.607E-04	1.990E-04	1.831E-04	1.684E+01	1.516E+01
Annual	T6TS	3.98E-01	6.43E-01	5.88E+00	3.09E-02	5.19E-03	4.82E-03	1.26E+04	1.13E+04		8.767E-04	1.418E-03	1.297E-02	6.814E-05	1.145E-05	1.062E-05	2.771E+01	2.494E+01
Annual	T7 Ag	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 CAIRP	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 CAIRP construction	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 NNOOS	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 NOOS	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 other port										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 Public	7.55E+00	4.69E+01	4.20E+01	6.70E-02	2.27E-01	2.09E-01	7.02E+03	6.32E+03		1.665E-02	1.033E-01	9.260E-02	1.477E-04	5.011E-04	4.610E-04	1.549E+01	1.394E+01
Annual	T7 Single	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 single construction	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 SWCV	7.46E+00	4.68E+01	4.19E+01	6.71E-02	2.08E-01	1.91E-01	7.03E+03	6.33E+03		1.645E-02	1.031E-01	9.227E-02	1.479E-04	4.575E-04	4.209E-04	1.550E+01	1.395E+01
Annual	T7 tractor	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 tractor construction	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7 utility	7.40E+00	3.84E+01	4.17E+01	6.71E-02	1.08E-01	9.91E-02	7.04E+03	6.33E+03		1.630E-02	8.468E-02	9.199E-02	1.480E-04	2.376E-04	2.186E-04	1.551E+01	1.396E+01
Annual	T7IS	1.25E+01	1.66E+01	6.01E+02	3.33E-02	4.74E-03	4.39E-03	1.26E+04	1.13E+04		2.766E-02	3.668E-02	1.325E+00	7.341E-05	1.044E-05	9.686E-06	2.771E+01	2.494E+01
Annual	UBUS	4.72E+00	5.61E+01	3.40E+01	9.90E-02	1.69E+00	1.55E+00	1.16E+04	1.05E+04		1.041E-02	1.238E-01	7.498E-02	2.183E-04	3.717E-03	3.420E-03	2.568E+01	2.311E+01
Annual	UBUS	2.03E-01	4.97E+00	1.07E+00	1.98E-02	7.82E-02	2.00E-03	2.03E+03	1.82E+03		4.483E-04	1.096E-02	2.365E-03	4.363E-05	1.723E-04	4.409E-06	4.469E+00	4.022E+00

LA COUNTY 2035 - all Model Years	1.0E-06	MTons/hr							
Season	Veh	ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2_5_IDLEX	CO2_IDLEX	CO2(Pavley I + LCFS)_IDLEX
Annual	All Other Buses	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	LDA	3.190E-07	5.119E-07	5.360E-06	1.870E-08	6.911E-08	6.412E-08	5.518E-03	3.293E-03
Annual	LDT1	4.177E-07	6.457E-07	6.960E-06	2.172E-08	6.914E-08	6.415E-08	6.420E-03	3.982E-03
Annual	LDT2	4.028E-07	6.585E-07	6.486E-06	2.544E-08	6.866E-08	6.371E-08	7.517E-03	5.130E-03
Annual	LHD1	4.146E-07	1.938E-06	6.030E-06	3.012E-08	6.601E-08	6.077E-08	1.062E-02	9.555E-03
Annual	LHD2	5.435E-07	3.381E-06	7.480E-06	2.845E-08	1.305E-07	1.201E-07	8.080E-03	7.272E-03
Annual	MCY	2.335E-05	6.145E-06	1.171E-04	9.805E-09	2.337E-09	2.055E-09	1.332E-03	1.199E-03
Annual	MDV	5.660E-07	9.068E-07	8.758E-06	3.257E-08	6.666E-08	6.185E-08	9.635E-03	6.744E-03
Annual	MH	8.195E-07	6.358E-06	4.191E-06	3.370E-08	5.091E-08	4.687E-08	1.251E-02	1.126E-02
Annual	Motor Coach	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	OBUS	3.734E-07	6.132E-07	5.392E-06	3.090E-08	5.062E-09	4.697E-09	1.257E-02	1.131E-02
Annual	SBUS	2.062E-06	3.264E-05	2.547E-05	6.334E-08	9.640E-08	8.872E-08	8.955E-03	8.059E-03
Annual	T6 Ag	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 CAIRP heavy	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 CAIRP small	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 instate construction heavy	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 instate construction small	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 instate heavy	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 instate small	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 OOS heavy	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 OOS small	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6 Public	2.171E-06	4.230E-05	2.554E-05	7.278E-08	1.262E-07	1.161E-07	7.628E-03	6.865E-03
Annual	T6 utility	2.150E-06	3.841E-05	2.542E-05	7.288E-08	9.027E-08	8.305E-08	7.639E-03	6.875E-03
Annual	T6TS	3.977E-07	6.433E-07	5.882E-06	3.091E-08	5.194E-09	4.819E-09	1.257E-02	1.131E-02
Annual	T7 Ag	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 CAIRP	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 CAIRP construction	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 NNOOS	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 NOOS	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 other port	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 Public	7.551E-06	4.686E-05	4.200E-05	6.702E-08	2.273E-07	2.091E-07	7.024E-03	6.322E-03
Annual	T7 Single	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 single construction	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 SWCV	7.464E-06	4.677E-05	4.186E-05	6.707E-08	2.075E-07	1.909E-07	7.030E-03	6.327E-03
Annual	T7 tractor	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 tractor construction	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7 utility	7.396E-06	3.841E-05	4.172E-05	6.712E-08	1.078E-07	9.913E-08	7.035E-03	6.332E-03
Annual	T7IS	1.254E-05	1.664E-05	6.009E-04	3.330E-08	4.735E-09	4.393E-09	1.257E-02	1.131E-02
Annual	UBUS	4.723E-06	5.614E-05	3.401E-05	9.901E-08	1.686E-06	1.551E-06	1.165E-02	1.048E-02
Annual	UBUS	2.033E-07	4.972E-06	1.073E-06	1.979E-08	7.815E-08	2.000E-09	2.027E-03	1.824E-03

LA COUNTY 2035 - all Model Years		g/trip								#	lbs/trip							
Season	Veh	ROG_STREX	NOx_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2_5_STREX	CO2_STREX	CO2(Pavley I + LCFS)_STREX		ROG_STREX	NOx_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2_5_STREX	CO2_STREX	CO2(Pavley I + LCFS)_STREX
Annual	All Other Buses										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	LDA	5.38E-02	5.41E-02	8.75E-01	7.54E-04	5.26E-03	4.88E-03	7.40E+01	4.43E+01		1.186E-04	1.192E-04	1.928E-03	1.662E-06	1.160E-05	1.076E-05	1.631E-01	9.769E-02
Annual	LDT1	7.71E-02	7.41E-02	1.20E+00	8.80E-04	4.96E-03	4.60E-03	8.60E+01	5.37E+01		1.700E-04	1.634E-04	2.646E-03	1.940E-06	1.092E-05	1.014E-05	1.896E-01	1.184E-01
Annual	LDT2	7.01E-02	7.57E-02	1.09E+00	1.03E-03	5.19E-03	4.82E-03	1.01E+02	6.90E+01		1.546E-04	1.670E-04	2.396E-03	2.264E-06	1.145E-05	1.063E-05	2.226E-01	1.522E-01
Annual	LHD1	2.11E-01	1.10E+00	2.67E+00	5.48E-04	2.85E-04	2.64E-04	5.01E+01	4.51E+01		4.643E-04	2.415E-03	5.897E-03	1.209E-06	6.274E-07	5.821E-07	1.104E-01	9.933E-02
Annual	LHD2	1.24E-01	7.01E-01	1.80E+00	3.90E-04	1.56E-04	1.45E-04	3.59E+01	3.23E+01		2.732E-04	1.545E-03	3.958E-03	8.599E-07	3.447E-07	3.198E-07	7.905E-02	7.115E-02
Annual	MCY	2.03E+00	3.06E-01	1.03E+01	6.29E-04	6.71E-04	5.88E-04	4.03E+01	3.63E+01		4.482E-03	6.738E-04	2.268E-02	1.387E-06	1.480E-06	1.297E-06	8.894E-02	8.005E-02
Annual	MDV	1.21E-01	1.32E-01	1.72E+00	1.32E-03	4.80E-03	4.45E-03	1.29E+02	9.13E+01		2.663E-04	2.912E-04	3.800E-03	2.907E-06	1.058E-05	9.817E-06	2.845E-01	2.013E-01
Annual	MH	2.25E-01	5.42E-01	4.15E+00	3.92E-04	1.98E-04	1.84E-04	3.20E+01	2.88E+01		4.969E-04	1.194E-03	9.143E-03	8.644E-07	4.361E-07	4.046E-07	7.065E-02	6.358E-02
Annual	Motor Coach										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	OBUS	3.31E-01	7.47E-01	5.32E+00	4.57E-04	2.72E-04	2.52E-04	3.64E+01	3.27E+01		7.292E-04	1.647E-03	1.173E-02	1.007E-06	5.992E-07	5.560E-07	8.018E-02	7.217E-02
Annual	PTO										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	SBUS	8.45E-01	1.33E+00	1.34E+01	1.52E-03	8.01E-04	7.43E-04	1.28E+02	1.15E+02		1.864E-03	2.936E-03	2.962E-02	3.343E-06	1.766E-06	1.639E-06	2.824E-01	2.542E-01
Annual	T6 Ag										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS heavy										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS small										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 Public										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 utility										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6TS	4.66E-01	9.03E-01	7.37E+00	6.77E-04	3.84E-04	3.57E-04	5.48E+01	4.93E+01		1.028E-03	1.991E-03	1.626E-02	1.494E-06	8.473E-07	7.862E-07	1.208E-01	1.087E-01
Annual	T7 Ag										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP construction										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NNOOS										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NOOS										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 other port										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Public										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Single										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 single construction										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 SWCV										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor construction										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 utility										0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7IS	8.93E-01	3.32E+00	5.06E+01	1.37E-03	3.40E-04	3.15E-04	5.48E+01	4.93E+01		1.969E-03	7.327E-03	1.116E-01	3.020E-06	7.489E-07	6.949E-07	1.208E-01	1.087E-01
Annual	UBUS	3.73E-01	6.75E-01	4.21E+00	2.98E-04	1.35E-04	1.25E-04	2.21E+01	1.98E+01		8.222E-04	1.488E-03	9.272E-03	6.569E-07	2.980E-07	2.765E-07	4.862E-02	4.376E-02

LA COUNTY 2035 - all Model Years	1.0E-06	MTons/Trip							
Season	Veh	ROG_STREX	NOx_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2_5_STREX	CO2_STREX	CO2(Pavley I + LCFS)_STREX
Annual	All Other Buses	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	LDA	5.381E-08	5.409E-08	8.747E-07	7.538E-10	5.260E-09	4.881E-09	7.398E-05	4.431E-05
Annual	LDT1	7.709E-08	7.412E-08	1.200E-06	8.798E-10	4.955E-09	4.598E-09	8.601E-05	5.372E-05
Annual	LDT2	7.012E-08	7.574E-08	1.087E-06	1.027E-09	5.195E-09	4.820E-09	1.010E-04	6.903E-05
Annual	LHD1	2.106E-07	1.096E-06	2.675E-06	5.483E-10	2.846E-10	2.641E-10	5.006E-05	4.506E-05
Annual	LHD2	1.239E-07	7.007E-07	1.795E-06	3.900E-10	1.563E-10	1.451E-10	3.586E-05	3.227E-05
Annual	MCY	2.033E-06	3.056E-07	1.029E-05	6.289E-10	6.713E-10	5.881E-10	4.034E-05	3.631E-05
Annual	MDV	1.208E-07	1.321E-07	1.724E-06	1.319E-09	4.799E-09	4.453E-09	1.290E-04	9.130E-05
Annual	MH	2.254E-07	5.416E-07	4.147E-06	3.921E-10	1.978E-10	1.835E-10	3.205E-05	2.884E-05
Annual	Motor Coach	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	OBUS	3.308E-07	7.472E-07	5.319E-06	4.570E-10	2.718E-10	2.522E-10	3.637E-05	3.273E-05
Annual	PTO	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	SBUS	8.454E-07	1.332E-06	1.344E-05	1.516E-09	8.012E-10	7.434E-10	1.281E-04	1.153E-04
Annual	T6 Ag	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 CAIRP small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate construction small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 instate small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS heavy	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 OOS small	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 Public	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6 utility	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T6TS	4.663E-07	9.030E-07	7.374E-06	6.775E-10	3.843E-10	3.566E-10	5.480E-05	4.932E-05
Annual	T7 Ag	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 CAIRP construction	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NNOOS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 NOOS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 other port	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POAK	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 POLA	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Public	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 Single	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 single construction	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 SWCV	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 tractor construction	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7 utility	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Annual	T7IS	8.931E-07	3.323E-06	5.064E-05	1.370E-09	3.397E-10	3.152E-10	5.480E-05	4.932E-05
Annual	UBUS	3.730E-07	6.748E-07	4.206E-06	2.980E-10	1.352E-10	1.254E-10	2.205E-05	1.985E-05

LA COUNTY 2035 - all Model Years						g/veh	#	lbs/veh	1.0E-06	MTons/veh
Season	Veh	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_RESTL	ROG_EVAPTOTAL		ROG_EVAPTOTAL		ROG_EVAPTOTAL
Annual	All Other Buses							0.000E+00		0.000E+00
Annual	LDA	1.21E-01	3.40E-01	1.02E+00	0.123866	1.49E+00		3.276E-03		1.486E-06
Annual	LDT1	2.97E-01	6.79E-01	2.24E+00	0.302606	3.21E+00		7.082E-03		3.212E-06
Annual	LDT2	3.11E-01	6.34E-01	2.10E+00	0.351775	3.05E+00		6.716E-03		3.046E-06
Annual	LHD1	2.46E-02	8.01E-01	4.13E+00	0.020006	4.96E+00		1.093E-02		4.959E-06
Annual	LHD2	1.40E-02	4.21E-01	2.12E+00	0.011664	2.56E+00		5.643E-03		2.560E-06
Annual	MCY	1.79E+00	7.53E-01	2.22E+00	1.048348	4.76E+00		1.050E-02		4.762E-06
Annual	MDV	4.89E-01	9.94E-01	3.00E+00	0.578628	4.49E+00		9.889E-03		4.486E-06
Annual	MH	3.36E-02	2.07E-03	4.94E-02	0.020238	8.51E-02		1.877E-04		8.514E-08
Annual	Motor Coach					0.00E+00		0.000E+00		0.000E+00
Annual	OBUS	3.55E-02	1.02E+00	1.21E+01	0.022069	1.32E+01		2.901E-02		1.316E-05
Annual	PTO					0.00E+00		0.000E+00		0.000E+00
Annual	SBUS	1.45E-02	1.33E-01	8.38E-01	0.008122	9.86E-01		2.175E-03		9.863E-07
Annual	T6 Ag					0.00E+00		0.000E+00		0.000E+00
Annual	T6 CAIRP heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 CAIRP small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate construction heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate construction small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 instate small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 OOS heavy					0.00E+00		0.000E+00		0.000E+00
Annual	T6 OOS small					0.00E+00		0.000E+00		0.000E+00
Annual	T6 Public					0.00E+00		0.000E+00		0.000E+00
Annual	T6 utility					0.00E+00		0.000E+00		0.000E+00
Annual	T6TS	2.76E-02	1.23E+00	6.14E+00	0.022711	7.40E+00		1.630E-02		7.396E-06
Annual	T7 Ag					0.00E+00		0.000E+00		0.000E+00
Annual	T7 CAIRP					0.00E+00		0.000E+00		0.000E+00
Annual	T7 CAIRP construction					0.00E+00		0.000E+00		0.000E+00
Annual	T7 NNOOS					0.00E+00		0.000E+00		0.000E+00
Annual	T7 NOOS					0.00E+00		0.000E+00		0.000E+00
Annual	T7 other port					0.00E+00		0.000E+00		0.000E+00
Annual	T7 POAK					0.00E+00		0.000E+00		0.000E+00
Annual	T7 POLA					0.00E+00		0.000E+00		0.000E+00
Annual	T7 Public					0.00E+00		0.000E+00		0.000E+00
Annual	T7 Single					0.00E+00		0.000E+00		0.000E+00
Annual	T7 single construction					0.00E+00		0.000E+00		0.000E+00
Annual	T7 SWCV					0.00E+00		0.000E+00		0.000E+00
Annual	T7 tractor					0.00E+00		0.000E+00		0.000E+00
Annual	T7 tractor construction					0.00E+00		0.000E+00		0.000E+00
Annual	T7 utility					0.00E+00		0.000E+00		0.000E+00
Annual	T7IS	2.66E-02	1.15E+00	5.59E+00	0.022525	6.76E+00		1.491E-02		6.763E-06
Annual	UBUS	8.10E-03	1.22E-01	1.16E+00	0.005495	1.29E+00		2.847E-03		1.291E-06

2035 Existing

Based on EMFAC2011

Emission year	Daily							
		2,983,300				lbs/day		
	Percent of VMT	Adjust % VMT	ROG	NOx	CO	SOx	PM10	PM2.5
All Other Buses	0.10%	0.01%	0	3	2	0	0	0
LDA	49.19%	95.75%	5,184	609	8,321	15	69	64
LDT1	5.99%	0.27%	30	2	31	0	0	0
LDT2	18.51%	0.83%	89	7	89	0	1	1
LHD1	4.49%	0.58%	103	48	120	0	0	0
LHD2	0.74%	0.09%	9	6	15	0	0	0
MCY	0.41%	0.79%	333	43	1,048	0	0	0
MDV	13.12%	0.72%	115	10	117	0	0	0
MH	0.28%	0.04%	1	2	10	0	0	0
Motor Coach	0.10%	0.01%	1	3	3	0	0	0
OBUS	0.10%	0.01%	6	1	5	0	0	0
SBUS	0.08%	0.01%	0	2	1	0	0	0
T6 Ag	0.05%	0.01%	1	2	7	0	0	0
T6 CAIRP heavy	0.00%	0.00%	0	0	0	0	0	0
T6 CAIRP small	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction heavy	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction small	0.06%	0.01%	0	2	1	0	0	0
T6 instate heavy	0.17%	0.02%	0	5	3	0	0	0
T6 instate small	0.31%	0.04%	0	8	6	0	0	0
T6 OOS heavy	0.92%	0.12%	1	25	17	0	0	0
T6 OOS small	0.00%	0.00%	0	0	0	0	0	0
T6 Public	0.00%	0.00%	0	0	0	0	0	0
T6 utility	0.04%	0.01%	0	1	1	0	0	0
T6TS	0.01%	0.00%	0	0	0	0	0	0
T7 Ag	0.39%	0.05%	16	13	36	0	0	0
T7 CAIRP	0.00%	0.00%	0	0	0	0	0	0
T7 CAIRP construction	0.62%	0.08%	3	17	18	0	0	0
T7 NNOOS	0.04%	0.01%	0	1	1	0	0	0
T7 NOOS	0.70%	0.09%	4	19	20	0	0	0
T7 other port	0.23%	0.03%	0	0	0	0	0	0
T7 POAK	0.00%	0.00%	0	0	0	0	0	0
T7 POLA	0.00%	0.00%	0	0	0	0	0	0
T7 Public	1.38%	0.18%	7	45	41	0	0	0
T7 Single	0.04%	0.01%	0	1	1	0	0	0
T7 single construction	0.33%	0.04%	2	9	10	0	0	0
T7 SWCV	0.12%	0.01%	1	4	3	0	0	0
T7 tractor	0.11%	0.01%	1	3	3	0	0	0
T7 tractor construction	0.87%	0.11%	5	24	26	0	0	0
T7 utility	0.09%	0.01%	0	2	3	0	0	0
T7IS	0.00%	0.00%	0	0	2	0	0	0
UBUS	0.06%	0.01%	2	4	28	0	0	0
UBUS	0.33%	0.04%	3	3	12	0	0	0
TOTAL	100%	100%	**5,917**	**924**	**10,001**	**16**	**72**	**67**

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

2035

Based on EMFAC2011

Emission year	Daily							
		3,738,300				lbs/day		
	Percent of VMT	Adjust % VMT	ROG	NOx	CO	SOx	PM10	PM2.5
All Other Buses	0.10%	0.01%	0	3	2	0	0	0
LDA	49.19%	95.75%	6,496	763	10,427	18	87	81
LDT1	5.99%	0.27%	38	3	39	0	0	0
LDT2	18.51%	0.83%	111	9	111	0	1	1
LHD1	4.49%	0.58%	129	60	151	0	0	0
LHD2	0.74%	0.09%	11	8	19	0	0	0
MCY	0.41%	0.79%	417	54	1,313	0	0	0
MDV	13.12%	0.72%	144	12	146	0	1	1
MH	0.28%	0.04%	1	3	13	0	0	0
Motor Coach	0.10%	0.01%	1	4	4	0	0	0
OBUS	0.10%	0.01%	7	1	6	0	0	0
SBUS	0.08%	0.01%	0	2	2	0	0	0
T6 Ag	0.05%	0.01%	1	2	8	0	0	0
T6 CAIRP heavy	0.00%	0.00%	0	0	0	0	0	0
T6 CAIRP small	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction heavy	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction small	0.06%	0.01%	0	2	1	0	0	0
T6 instate heavy	0.17%	0.02%	0	6	4	0	0	0
T6 instate small	0.31%	0.04%	1	11	7	0	0	0
T6 OOS heavy	0.92%	0.12%	2	31	21	0	0	0
T6 OOS small	0.00%	0.00%	0	0	0	0	0	0
T6 Public	0.00%	0.00%	0	0	0	0	0	0
T6 utility	0.04%	0.01%	0	1	1	0	0	0
T6TS	0.01%	0.00%	0	0	0	0	0	0
T7 Ag	0.39%	0.05%	20	17	45	0	0	0
T7 CAIRP	0.00%	0.00%	0	0	0	0	0	0
T7 CAIRP construction	0.62%	0.08%	4	21	23	0	0	0
T7 NNOOS	0.04%	0.01%	0	2	2	0	0	0
T7 NOOS	0.70%	0.09%	5	24	26	0	0	0
T7 other port	0.23%	0.03%	0	0	0	0	0	0
T7 POAK	0.00%	0.00%	0	0	0	0	0	0
T7 POLA	0.00%	0.00%	0	0	0	0	0	0
T7 Public	1.38%	0.18%	9	57	51	0	0	0
T7 Single	0.04%	0.01%	0	1	1	0	0	0
T7 single construction	0.33%	0.04%	2	11	12	0	0	0
T7 SWCV	0.12%	0.01%	1	5	4	0	0	0
T7 tractor	0.11%	0.01%	1	4	4	0	0	0
T7 tractor construction	0.87%	0.11%	6	30	32	0	0	0
T7 utility	0.09%	0.01%	1	3	3	0	0	0
T7IS	0.00%	0.00%	0	0	2	0	0	0
UBUS	0.06%	0.01%	3	5	35	0	0	0
UBUS	0.33%	0.04%	4	4	15	0	0	0
TOTAL	100%	100%	**7,414**	**1,158**	**12,531**	**19**	**90**	**83**

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

Post-2035

Based on EMFAC2011

Emission year	Daily							
		5,552,700				lbs/day		
	Percent of VMT	Adjust % VMT	ROG	NOx	CO	SOx	PM10	PM2.5
All Other Buses	0.10%	0.01%	0	5	3	0	0	0
LDA	49.19%	95.75%	9,650	1,134	15,488	27	129	120
LDT1	5.99%	0.27%	56	4	58	0	0	0
LDT2	18.51%	0.83%	165	13	165	0	1	1
LHD1	4.49%	0.58%	192	89	224	0	0	0
LHD2	0.74%	0.09%	17	11	28	0	0	0
MCY	0.41%	0.79%	619	80	1,950	0	0	0
MDV	13.12%	0.72%	213	18	217	0	1	1
MH	0.28%	0.04%	1	5	19	0	0	0
Motor Coach	0.10%	0.01%	1	5	6	0	0	0
OBUS	0.10%	0.01%	11	1	9	0	0	0
SBUS	0.08%	0.01%	0	3	3	0	0	0
T6 Ag	0.05%	0.01%	1	4	12	0	0	0
T6 CAIRP heavy	0.00%	0.00%	0	0	0	0	0	0
T6 CAIRP small	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction heavy	0.00%	0.00%	0	0	0	0	0	0
T6 instate construction small	0.06%	0.01%	0	3	2	0	0	0
T6 instate heavy	0.17%	0.02%	0	9	6	0	0	0
T6 instate small	0.31%	0.04%	1	16	10	0	0	0
T6 OOS heavy	0.92%	0.12%	3	46	31	0	0	0
T6 OOS small	0.00%	0.00%	0	0	0	0	0	0
T6 Public	0.00%	0.00%	0	0	0	0	0	0
T6 utility	0.04%	0.01%	0	2	1	0	0	0
T6TS	0.01%	0.00%	0	0	0	0	0	0
T7 Ag	0.39%	0.05%	29	25	66	0	0	0
T7 CAIRP	0.00%	0.00%	0	0	0	0	0	0
T7 CAIRP construction	0.62%	0.08%	6	31	34	0	0	0
T7 NNOOS	0.04%	0.01%	0	2	2	0	0	0
T7 NOOS	0.70%	0.09%	7	35	38	0	0	0
T7 other port	0.23%	0.03%	0	0	0	0	0	0
T7 POAK	0.00%	0.00%	0	0	0	0	0	0
T7 POLA	0.00%	0.00%	0	0	0	0	0	0
T7 Public	1.38%	0.18%	14	85	76	0	0	0
T7 Single	0.04%	0.01%	0	2	2	0	0	0
T7 single construction	0.33%	0.04%	3	17	18	0	0	0
T7 SWCV	0.12%	0.01%	1	7	6	0	0	0
T7 tractor	0.11%	0.01%	1	5	6	0	0	0
T7 tractor construction	0.87%	0.11%	8	44	48	0	0	0
T7 utility	0.09%	0.01%	1	4	5	0	0	0
T7IS	0.00%	0.00%	0	0	4	0	0	0
UBUS	0.06%	0.01%	5	8	52	0	0	0
UBUS	0.33%	0.04%	5	6	23	0	0	0
TOTAL	100%	100%	**11,012**	**1,721**	**18,614**	**29**	**133**	**124**

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

2035 Existing

Based on EMFAC2011 **(MTons/Year)**

				GWP	GWP			
	1,035,205,100			310	1	MTons		MTons
	Percent of VMT	Adjust % VMT	NOx	N2O	CO2	CO2e	CO2w/Pavley + LCF	CO2e w/ Pavley + LCFS
All Other Buses	0%	0.01%	0	0	80	83	72	76
LDA	49%	95.88%	96	3	529,833	530,780	316,338	317,285
LDT1	6%	0.27%	0	0	1,717	1,721	1,066	1,069
LDT2	19%	0.83%	1	0	6,219	6,230	4,245	4,256
LHD1	4%	0.53%	7	0	5,174	5,243	4,657	4,726
LHD2	1%	0.09%	1	0	643	651	578	587
MCY	0%	0.80%	7	0	1,247	1,314	1,122	1,189
MDV	13%	0.71%	2	0	6,844	6,859	4,798	4,813
MH	0%	0.03%	0	0	365	369	329	332
Motor Coach	0%	0.01%	0	0	75	79	67	72
OBUS	0%	0.01%	0	0	129	130	116	117
SBUS	0%	0.01%	0	0	74	76	66	69
T6 Ag	0%	0.01%	0	0	48	50	43	46
T6 CAIRP heavy	0%	0.00%	0	0	1	1	1	1
T6 CAIRP small	0%	0.00%	0	0	1	1	1	1
T6 instate construction heavy	0%	0.00%	0	0	3	3	3	3
T6 instate construction small	0%	0.01%	0	0	45	48	41	43
T6 instate heavy	0%	0.02%	1	0	134	141	121	127
T6 instate small	0%	0.04%	1	0	246	258	221	233
T6 OOS heavy	1%	0.11%	4	0	725	761	653	689
T6 OOS small	0%	0.00%	0	0	0	1	0	0
T6 Public	0%	0.00%	0	0	2	2	2	2
T6 utility	0%	0.01%	0	0	34	35	30	32
T6TS	0%	0.00%	0	0	10	10	9	9
T7 Ag	0%	0.05%	2	0	308	327	277	296
T7 CAIRP	0%	0.00%	0	0	3	3	3	3
T7 CAIRP construction	1%	0.07%	2	0	447	471	403	427
T7 NNOOS	0%	0.01%	0	0	32	34	29	31
T7 NOOS	1%	0.08%	3	0	503	530	453	480
T7 other port	0%	0.03%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	0%	0.00%	0	0	0	0	0	0
T7 Public	1%	0.16%	7	0	995	1,060	895	961
T7 Single	0%	0.00%	0	0	29	31	26	28
T7 single construction	0%	0.04%	1	0	241	254	217	230
T7 SWCV	0%	0.01%	1	0	83	89	75	81
T7 tractor	0%	0.01%	0	0	79	83	71	75
T7 tractor construction	1%	0.10%	3	0	631	665	568	602
T7 utility	0%	0.01%	0	0	62	66	56	59
T7IS	0%	0.00%	0	0	6	6	5	5
UBUS	0%	0.01%	1	0	78	84	71	77
UBUS	0%	0.04%	0	0	79	83	71	75
TOTAL	100%	100%	**143**	**5**	**557,225**	**558,632**	**337,798**	**339,205**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily trips multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

2035

Based on EMFAC2011 **(MTons/Year)**

				GWP	GWP			
	1,297,190,100			**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.01%	1	0	100	105	90	95
LDA	49%	95.88%	120	4	663,921	665,107	396,396	397,582
LDT1	6%	0.27%	0	0	2,152	2,156	1,336	1,340
LDT2	19%	0.83%	1	0	7,793	7,807	5,320	5,333
LHD1	4%	0.53%	9	0	6,484	6,570	5,836	5,922
LHD2	1%	0.09%	1	0	805	816	725	736
MCY	0%	0.80%	8	0	1,563	1,646	1,406	1,490
MDV	13%	0.71%	2	0	8,576	8,595	6,012	6,031
MH	0%	0.03%	0	0	458	462	412	416
Motor Coach	0%	0.01%	1	0	94	99	85	90
OBUS	0%	0.01%	0	0	161	163	145	147
SBUS	0%	0.01%	0	0	92	96	83	86
T6 Ag	0%	0.01%	0	0	60	63	54	57
T6 CAIRP heavy	0%	0.00%	0	0	2	2	1	2
T6 CAIRP small	0%	0.00%	0	0	1	1	1	1
T6 instate construction heavy	0%	0.00%	0	0	4	4	3	4
T6 instate construction small	0%	0.01%	0	0	57	60	51	54
T6 instate heavy	0%	0.02%	1	0	168	176	151	159
T6 instate small	0%	0.04%	2	0	308	323	277	292
T6 OOS heavy	1%	0.11%	5	0	909	954	818	863
T6 OOS small	0%	0.00%	0	0	1	1	1	1
T6 Public	0%	0.00%	0	0	2	2	2	2
T6 utility	0%	0.01%	0	0	42	44	38	40
T6TS	0%	0.00%	0	0	12	12	11	11
T7 Ag	0%	0.05%	2	0	386	410	347	371
T7 CAIRP	0%	0.00%	0	0	4	4	3	4
T7 CAIRP construction	1%	0.07%	3	0	561	591	505	535
T7 NNOOS	0%	0.01%	0	0	40	43	36	39
T7 NOOS	1%	0.08%	3	0	631	665	568	601
T7 other port	0%	0.03%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	0%	0.00%	0	0	0	0	0	0
T7 Public	1%	0.16%	8	0	1,247	1,329	1,122	1,204
T7 Single	0%	0.00%	0	0	36	38	33	35
T7 single construction	0%	0.04%	2	0	302	318	271	288
T7 SWCV	0%	0.01%	1	0	105	111	94	101
T7 tractor	0%	0.01%	1	0	99	104	89	94
T7 tractor construction	1%	0.10%	4	0	791	833	712	754
T7 utility	0%	0.01%	0	0	78	82	70	74
T7IS	0%	0.00%	0	0	7	7	7	7
UBUS	0%	0.01%	1	0	98	106	88	96
UBUS	0%	0.04%	1	0	99	104	89	94
TOTAL	100%	100%	**179**	**6**	**698,245**	**700,008**	**423,286**	**425,049**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily trips multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

Post-2035

Based on EMFAC2011 **(MTons/Year)**

				GWP	GWP			
	1,926,786,900			**310**	**1**	**MTons**		**MTons**
	Percent of VMT	**Adjust % VMT**	**NOx**	**N2O**	**CO2**	**CO2e**	**CO2w/Pavley + LCF**	**CO2e w/ Pavley + LCFS**
All Other Buses	0%	0.01%	1	0	148	155	133	141
LDA	49%	95.88%	179	6	986,158	987,919	588,788	590,550
LDT1	6%	0.27%	1	0	3,196	3,202	1,984	1,991
LDT2	19%	0.83%	2	0	11,576	11,596	7,901	7,922
LHD1	4%	0.53%	13	0	9,631	9,759	8,668	8,796
LHD2	1%	0.09%	2	0	1,196	1,212	1,077	1,093
MCY	0%	0.80%	13	0	2,321	2,445	2,089	2,213
MDV	13%	0.71%	3	0	12,738	12,766	8,930	8,958
MH	0%	0.03%	1	0	680	687	612	619
Motor Coach	0%	0.01%	1	0	140	147	126	133
OBUS	0%	0.01%	0	0	240	242	216	218
SBUS	0%	0.01%	0	0	137	142	123	128
T6 Ag	0%	0.01%	1	0	89	94	80	85
T6 CAIRP heavy	0%	0.00%	0	0	2	3	2	2
T6 CAIRP small	0%	0.00%	0	0	2	2	1	2
T6 instate construction heavy	0%	0.00%	0	0	6	6	5	5
T6 instate construction small	0%	0.01%	0	0	84	89	76	80
T6 instate heavy	0%	0.02%	1	0	249	262	224	237
T6 instate small	0%	0.04%	2	0	457	480	412	434
T6 OOS heavy	1%	0.11%	7	0	1,350	1,417	1,215	1,282
T6 OOS small	0%	0.00%	0	0	1	1	1	1
T6 Public	0%	0.00%	0	0	3	3	3	3
T6 utility	0%	0.01%	0	0	63	66	56	59
T6TS	0%	0.00%	0	0	18	18	16	16
T7 Ag	0%	0.05%	4	0	573	609	515	552
T7 CAIRP	0%	0.00%	0	0	6	6	5	5
T7 CAIRP construction	1%	0.07%	5	0	833	877	749	794
T7 NNOOS	0%	0.01%	0	0	60	63	54	57
T7 NOOS	1%	0.08%	5	0	937	987	843	893
T7 other port	0%	0.03%	0	0	0	0	0	0
T7 POAK	0%	0.00%	0	0	0	0	0	0
T7 POLA	0%	0.00%	0	0	0	0	0	0
T7 Public	1%	0.16%	12	0	1,852	1,973	1,666	1,788
T7 Single	0%	0.00%	0	0	54	57	49	52
T7 single construction	0%	0.04%	2	0	448	472	403	427
T7 SWCV	0%	0.01%	1	0	155	166	140	150
T7 tractor	0%	0.01%	1	0	147	155	132	140
T7 tractor construction	1%	0.10%	6	0	1,175	1,238	1,057	1,121
T7 utility	0%	0.01%	1	0	116	122	104	111
T7IS	0%	0.00%	0	0	11	11	10	10
UBUS	0%	0.01%	1	0	146	157	131	142
UBUS	0%	0.04%	1	0	147	155	132	140
TOTAL	100%	100%	**266**	**8**	**1,037,142**	**1,039,760**	**628,730**	**631,349**

N_2O emissions were calculated using an off-model adjustment provided by CARB in AB 32 Technical Appendices. The off-model adjustment uses a linear regression correlating N_2O with NO_x. ($N_2O = 0.0167 + 0.0318 \times NO_x$)

Daily trips multiplied by 347 days/year to account for reduced traffic on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology within the Climate Change Scoping Plan Measure Documentation Supplement.

Based on the emission factors for Los Angeles County.

Assumes 5 minutes of idling per trip.

Air Quality and GHG Emissions

- **Area Sources – Off-Road**

Area Sources - Criteria Air Pollutants

2010

	OFFROAD2007 Estimate based on:	ROG Exhaust	NO_x Exhaust	CO Exhaust	SO_2 Exhaust	PM_{10} Exhaust	$PM_{2.5}$ Exhaust*
		lbs/day					
Construction Equipment	Based on the percentage of building permits issued in unincorporated compared to Los Angeles County (whole).	299	2,898	1,221	3	113	111
Lawn & Garden Equipment	Based on the percentage of residential population in unincorporated Los Angeles County compared to Los Angeles County (whole).	51	14	627	0	2	2
Recreation	Based on the percentage of population in unincorporated Los Angeles County compared to Los Angeles County (whole).	27	1	82	0	0	0
Light Commercial Equipment	Based on the percentage of employment in unincorporated Los Angeles County compared to Los Angeles County (whole).	11	22	272	0	2	2
Industrial	Based on the percentage of employment in unincorporated Los Angeles County compared to Los Angeles County (whole).	4	28	132	0	1	1
Entertainment	Based on the percentage of employment in unincorporated Los Angeles County compared to Los Angeles County (whole).	0	0	0	0	0	0
Transport Refrigeration Units	Based on the percentage of employment in unincorporated Los Angeles County compared to Los Angeles County (whole).	3	12	22	0	1	1
Agricultural Equipment	Based on the percentage of agricultural land in unincorporated Los Angeles County compared to Los Angeles County (whole)	0.0	0.0	0.0	0.0	0.0	0
TOTAL		395	2,974	2,355	3	119	118

HORIZON YEAR 2035

	Forecast Adjusted for:	ROG Exhaust	NO_x Exhaust	CO Exhaust	SO2 Exhaust	PM10 Exhaust	PM2.5 Exhaust*
		lbs/day					
Construction Equipment	proportional to service population growth	389	3,774	1,589	4	147	145
Lawn & Garden Equipment	proportional to population growth	67	18	822	0	2	2
Recreation	proportional to population growth	36	1	108	0	1	1
Light Commercial Equipment	proportional to employment growth	14	28	342	0	3	3
Industrial	proportional to employment growth	5	35	166	0	1	1
Entertainment	proportional to employment growth	0	0	0	0	0	0
Transport Refrigeration Units	proportional to employment growth	4	15	27	0	1	1
Agricultural Equipment	Based on the decrease in agricultural land	0.003	0.017	0.020	0.000	0.001	0.001
TOTAL		515	3,870	3,055	4	155	153

P-2035

	Forecast Adjusted for:	ROG Exhaust	NO_x Exhaust	CO Exhaust	SO2 Exhaust	PM10 Exhaust	PM2.5 Exhaust*
		lbs/day					
Construction Equipment	proportional to service population growth	648	6,286	2,648	6	244	242
Lawn & Garden Equipment	proportional to population growth	114	30	1,401	0	4	4
Recreation	proportional to population growth	61	2	184	1	1	1
Light Commercial Equipment	proportional to employment growth	21	41	514	0	4	4
Industrial	proportional to employment growth	7	52	250	0	2	2
Entertainment	proportional to employment growth	0	1	0	0	0	0
Transport Refrigeration Units	proportional to employment growth	6	23	41	0	2	2
Agricultural Equipment	Based on the decrease in agricultural land	0.003	0.015	0.018	0.000	0.001	0.001
TOTAL		858	6,435	5,036	7	257	255

* assumes PM2.5 is 99 percent of PM10

Agricultural Land with the unincorporated County

2010	2035	P-2035	
26,235	15,048	3,861	
	-43%	-85%	% Change

Sources

Building Permits

Source: U.S. Census Bureau

http://censtats.census.gov/bldg/bldgprmt.shtml

Employment

Source. U.S. Census Bureau.

Population

Source. U.S. Census Bureau,

Agricultural Acreage

Source: Section 5.2, Agricultural Resources

People QuickFacts	Los Angeles County	California
Population, 2013 estimate	NA	38,332,521
Population, 2012 estimate	9,962,789	37,999,878
Population, 2010 (April 1) estimates base	9,818,605	37,253,959
Population, 2010	9,818,605	37,253,956
Source: US Census Bureau State & County QuickFacts		

Building Permits
2008 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County
California (037)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	3249	3249	$992,227,233	3,091	3,091	$948,855,112
Two Family	252	504	$59,973,745	245	490	$59,334,183
Three and Four Family	56	186	$34,295,089	47	159	$32,538,319
Five or More Family	274	7,871	$1,120,183,208	243	7,640	$1,096,373,921
Total	3,831	11,810	$2,206,679,275	3,626	11,380	$2,137,101,535

Source: U.S. Census Bureau

Building Permits
2009 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County
California (037)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	2,268	2,268	$752,365,960	2,185	2,185	$724,998,652
Two Family	191	382	$56,332,319	188	376	$56,058,221
Three and Four Family	33	114	$22,995,931	33	114	$22,995,931
Five or More Family	113	2,374	$372,775,630	99	2,304	$364,592,298
Total	2,605	5,138	$1,204,469,840	2,505	4,979	$1,168,645,102

Source: U.S. Census Bureau

Building Permits
2010 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County
California (037)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	2,384	2,384	$866,941,175	2,255	2,255	$826,446,728
Two Family	143	286	$50,681,757	143	286	$50,681,757
Three and Four Family	18	61	$15,293,997	18	61	$15,293,997
Five or More Family	189	4,529	$756,742,676	177	4,464	$750,389,750
Total	2,734	7,260	$1,689,659,605	2,593	7,066	$1,642,812,232

Source: U.S. Census Bureau

Building Permits
2011 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County
California (037)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	2,275	2,275	$933,027,700	2,114	2,114	$895,085,609
Two Family	150	300	$64,867,726	150	300	$64,867,726
Three and Four Family	21	73	$16,980,109	21	73	$16,980,109
Five or More Family	151	7,247	$1,162,158,374	136	7,146	$1,151,230,900
Total	2,597	9,895	$2,177,033,909	2,421	9,633	$2,128,164,344

Source: U.S. Census Bureau

Building Permits
2012 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County
California (037)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	2,675	2,675	$1,006,614,084	2,538	2,538	$968,458,917
Two Family	164	328	$58,452,024	164	328	$58,452,024
Three and Four Family	30	111	$26,329,798	30	111	$26,329,798
Five or More Family	222	8,251	$1,429,468,585	202	8,124	$1,418,581,589
Total	3,091	11,365	$2,520,864,491	2,934	11,101	$2,471,822,328

Source: U.S. Census Bureau

Building Permits
2008 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County Unincorporated Area
California (Los Angeles County - 245000)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	475	475	$154,990,187	475	475	$154,990,187
Two Family	12	24	$3,222,400	12	24	$3,222,400
Three and Four Family	1	4	$1,000,000	1	4	$1,000,000
Five or More Family	23	383	$63,705,080	23	383	$63,705,080
Total	511	886	$222,917,667	511	886	$222,917,667

Source: U.S. Census Bureau

Building Permits
2009 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County Unincorporated Area
California (Los Angeles County - 245000)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	295	295	121,687,245	295	295	121,687,245
Two Family	22	44	7,738,480	22	44	7,738,480
Three and Four Family	0	0	0	0	0	0
Five or More Family	9	57	13,119,000	9	57	13,119,000
Total	326	396	142,544,725	326	396	142,544,725

Source: U.S. Census Bureau

Building Permits
2010 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County Unincorporated Area
California (Los Angeles County - 245000)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	295	295	118,695,448	295	295	$118,695,448
Two Family	15	30	4,032,572	15	30	$4,032,572
Three and Four Family	2	7	3,151,890	2	7	$3,151,890
Five or More Family	10	195	37,855,140	10	195	$37,855,140
Total	322	527	163,735,050	322	527	$163,735,050

Source: U.S. Census Bureau

Building Permits
2011 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County Unincorporated Area
California (Los Angeles County - 245000)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	351	351	$166,080,316	351	351	$166,080,316
Two Family	19	38	$6,147,144	19	38	$6,147,144
Three and Four Family	3	9	$1,209,000	3	9	$1,209,000
Five or More Family	5	683	$128,987,000	5	683	$128,987,000
Total	378	1,081	$302,423,460	378	1,081	$302,423,460

Source: U.S. Census Bureau

Building Permits
2012 Building Permits
Monthly New Privately-Owned Residential Building Permits
Los Angeles County Unincorporated Area
California (Los Angeles County - 245000)

	Estimates with Imputation			Reported Only		
Item	Buildings	Units	Construction cost	Buildings	Units	Construction cost
Single Family	457	457	$198,158,833	457	457	$198,158,833
Two Family	11	22	$4,801,257	11	22	$4,801,257
Three and Four Family	13	52	$15,505,000	13	52	$15,505,000
Five or More Family	32	397	$81,184,540	32	397	$81,184,540
Total	513	928	$299,649,630	513	928	$299,649,630

Source: U.S. Census Bureau

Construction								Tons/Day									MTons/Year
Equipment	Fuel	MaxHP	C/R	Pre	Population	Activity	Consumption	ROG Exhaust	NOX Exhaust	CO Exhaust	SO2 Exhaust	PM Exhaust	CO2 Exhaust	N2O Exhaust	CH4 Exhaust	CO2e	CO2e
Tampers/Rammers	G2	15	U	P	18.63979	9.30E+00	1.88E+00	1.18E-04	9.13E-05	5.07E-03	3.99E-07	8.12E-05	9.69E-03	1.45E-05	7.33E-06	1.43E-02	5
Plate Compactors	G2	15	U	P	1.598926	9.03E-01	1.82E-01	1.14E-05	8.86E-06	4.92E-04	3.87E-08	7.89E-06	9.41E-04	1.40E-06	7.11E-07	1.39E-03	0
Asphalt Pavers	G4	15	U	P	0.4064714	4.41E-01	2.56E-01	1.93E-05	1.43E-05	7.35E-04	3.54E-08	1.04E-05	1.24E-03	1.26E-06	1.09E-06	1.66E-03	1
Asphalt Pavers	G4	25	U	P	0.695125	7.55E-01	1.10E+00	8.54E-05	5.52E-05	3.26E-03	1.31E-07	4.35E-05	5.19E-03	3.34E-06	4.82E-06	6.32E-03	2
Asphalt Pavers	G4	50	U	P	0.323192	3.47E-01	8.12E-01	3.37E-05	5.04E-05	8.72E-04	7.70E-08	4.85E-07	6.34E-03	2.10E-06	1.90E-06	7.03E-03	2
Asphalt Pavers	G4	120	U	P	0.177528	1.91E-01	7.53E-01	2.36E-05	7.34E-05	3.91E-04	6.34E-08	5.08E-07	6.56E-03	1.87E-06	1.33E-06	7.17E-03	2
Tampers/Rammers	G4	15	U	P	0.8600699	4.29E-01	2.11E-01	1.71E-05	1.11E-05	6.13E-04	2.87E-08	8.43E-06	1.01E-03	1.09E-06	9.67E-07	1.36E-03	0
Plate Compactors	G4	5	U	P	31.57517	1.56E+01	2.83E+00	3.99E-04	1.79E-04	6.09E-03	5.60E-07	5.29E-06	1.62E-02	2.56E-05	2.25E-05	2.46E-02	8
Plate Compactors	G4	15	U	P	33.48971	1.89E+01	8.20E+00	6.42E-04	4.40E-04	2.37E-02	1.12E-06	3.30E-04	3.94E-02	4.53E-05	3.63E-05	5.42E-02	17
Rollers	G4	5	U	P	3.516862	8.00E-01	2.17E-01	2.59E-05	1.16E-05	5.21E-04	4.06E-08	3.83E-07	1.17E-03	1.49E-06	1.47E-06	1.67E-03	1
Rollers	G4	15	U	P	5.6906	4.84E+00	2.63E+00	1.97E-04	1.46E-04	7.56E-03	3.64E-07	1.07E-04	1.28E-02	1.33E-05	1.11E-05	1.71E-02	5
Rollers	G4	25	U	P	3.84086	3.26E+00	3.86E+00	2.96E-04	1.92E-04	1.14E-02	4.61E-07	1.53E-04	1.82E-02	1.28E-05	1.68E-05	2.25E-02	7
Rollers	G4	50	U	P	0.2276	3.88E-01	1.02E+00	4.92E-05	6.29E-05	1.26E-03	9.33E-08	5.88E-07	7.68E-03	2.51E-06	2.78E-06	8.51E-03	3
Rollers	G4	120	U	P	0.4278881	7.29E-01	3.38E+00	1.25E-04	3.26E-04	2.03E-03	2.79E-07	2.24E-06	2.89E-02	7.82E-06	7.06E-06	3.15E-02	10
Paving Equipment	G4	5	U	P	44.18756	2.06E+01	4.03E+00	5.61E-04	2.52E-04	8.75E-03	7.95E-07	7.50E-06	2.30E-02	3.50E-05	3.17E-05	3.45E-02	11
Paving Equipment	G4	15	U	P	74.7495	4.10E+01	2.38E+01	1.86E-03	1.28E-03	6.89E-02	3.26E-06	9.60E-04	1.14E-01	1.15E-04	1.05E-04	1.52E-01	48
Paving Equipment	G4	25	U	P	1.661231	9.11E-01	1.20E+00	9.43E-05	5.75E-05	3.55E-03	1.42E-07	4.69E-05	5.60E-03	3.71E-06	5.34E-06	6.86E-03	2
Paving Equipment	G4	50	U	P	0.8830881	4.24E-01	9.73E-01	2.75E-05	4.89E-05	8.23E-04	9.71E-08	6.12E-07	7.99E-03	2.20E-06	1.56E-06	8.70E-03	3
Paving Equipment	G4	120	U	P	0.2276	1.09E-01	4.04E-01	8.08E-06	3.04E-05	1.50E-04	3.51E-08	2.81E-07	3.63E-03	8.53E-07	4.57E-07	3.90E-03	1
Surfacing Equipment	G4	5	U	P	8.111755	4.45E+00	8.93E-01	1.29E-04	5.77E-05	1.89E-03	1.78E-07	1.68E-06	5.16E-03	7.81E-06	7.27E-06	7.73E-03	2
Surfacing Equipment	G4	15	U	P	24.10552	3.32E+01	1.27E+01	1.00E-03	7.39E-04	3.66E-02	1.76E-06	5.17E-04	6.17E-02	7.78E-05	5.64E-05	8.70E-02	27
Surfacing Equipment	G4	25	U	P	0.3298898	4.55E-01	4.27E-01	3.43E-05	2.22E-05	1.26E-03	5.08E-08	1.68E-05	2.01E-03	1.62E-06	1.94E-06	2.55E-03	1
Signal Boards	G4	5	U	P	0.1001451	3.57E-02	1.16E-02	1.48E-06	6.64E-07	2.67E-05	2.22E-09	2.09E-08	6.42E-05	7.59E-08	8.38E-08	8.95E-05	0
Signal Boards	G4	15	U	P	0.7127978	5.55E-01	3.29E-01	2.44E-05	1.81E-05	9.45E-04	4.56E-08	1.34E-05	1.60E-03	1.59E-06	1.38E-06	2.12E-03	1
Trenchers	G4	15	U	P	6.591906	7.84E+00	5.06E+00	3.88E-04	2.86E-04	1.45E-02	6.99E-07	2.05E-04	2.45E-02	2.39E-05	2.19E-05	3.24E-02	10
Trenchers	G4	25	U	P	5.107402	6.08E+00	8.48E+00	6.66E-04	4.31E-04	2.51E-02	1.01E-06	3.34E-04	3.99E-02	2.64E-05	3.76E-05	4.89E-02	15
Trenchers	G4	50	U	P	2.07116	2.28E+00	5.02E+00	2.10E-04	3.07E-04	5.45E-03	4.75E-07	2.99E-06	3.90E-02	1.33E-05	1.18E-05	4.34E-02	14
Trenchers	G4	120	U	P	0.6873519	7.58E-01	3.24E+00	1.02E-04	3.11E-04	1.69E-03	2.72E-07	2.18E-06	2.82E-02	7.72E-06	5.76E-06	3.07E-02	10
Bore/Drill Rigs	G4	15	U	P	0.1885085	6.41E-02	5.02E-02	3.95E-06	2.54E-06	1.46E-04	6.83E-09	2.01E-06	2.40E-04	2.04E-07	2.23E-07	3.08E-04	0
Bore/Drill Rigs	G4	25	U	P	0.9366515	3.18E-01	4.60E-01	3.60E-05	2.09E-05	1.37E-03	5.43E-08	1.80E-05	2.14E-03	1.32E-06	2.04E-06	2.60E-03	1
Bore/Drill Rigs	G4	50	U	P	0.100144	2.94E-02	7.87E-02	2.55E-06	4.77E-06	6.90E-05	7.80E-09	4.91E-08	6.41E-04	1.87E-07	1.44E-07	7.02E-04	0
Bore/Drill Rigs	G4	120	U	P	0.459752	1.35E-01	8.99E-01	2.13E-05	8.54E-05	3.71E-04	7.74E-08	6.20E-07	8.01E-03	1.72E-06	1.21E-06	8.56E-03	3
Bore/Drill Rigs	G4	175	U	P	0.1138	3.34E-02	3.02E-01	4.24E-06	3.33E-05	8.71E-05	2.74E-08	2.20E-07	2.76E-03	5.42E-07	2.40E-07	2.93E-03	1
Concrete/Industrial Saws	G4	5	U	P	3.457952	1.23E+00	3.29E-01	4.20E-05	1.88E-05	7.58E-04	6.29E-08	5.94E-07	1.82E-03	2.36E-06	2.37E-06	2.60E-03	1
Concrete/Industrial Saws	G4	15	U	P	15.55195	1.32E+01	9.05E+00	6.77E-04	5.00E-04	2.60E-02	1.25E-06	3.68E-04	4.39E-02	4.11E-05	3.83E-05	5.75E-02	18
Concrete/Industrial Saws	G4	25	U	P	4.865875	4.14E+00	5.51E+00	4.22E-04	2.73E-04	1.63E-02	6.58E-07	2.18E-04	2.60E-02	1.73E-05	2.39E-05	3.18E-02	10
Concrete/Industrial Saws	G4	50	U	P	0.373264	6.24E-01	1.73E+00	1.81E-05	2.66E-05	1.22E-03	1.79E-07	1.13E-06	1.47E-02	2.06E-06	1.02E-06	1.54E-02	5
Concrete/Industrial Saws	G4	120	U	P	0.213944	3.58E-01	1.69E+00	7.45E-06	1.70E-05	3.34E-04	1.52E-07	1.22E-06	1.57E-02	1.25E-06	4.20E-07	1.61E-02	5
Cement and Mortar Mixers	G4	5	U	P	62.791	1.58E+01	4.03E+00	5.01E-04	2.24E-04	9.47E-03	7.64E-07	7.21E-06	2.21E-02	2.91E-05	2.83E-05	3.17E-02	10
Cement and Mortar Mixers	G4	15	U	P	106.3895	2.68E+01	1.36E+01	1.49E-03	5.61E-04	4.19E-02	1.71E-06	4.80E-04	6.00E-02	6.05E-05	8.41E-05	8.05E-02	25
Cement and Mortar Mixers	G4	25	U	P	0.4477076	1.13E-01	1.79E-01	1.81E-05	6.60E-06	5.53E-04	2.00E-08	6.31E-06	7.89E-04	4.39E-07	1.02E-06	9.46E-04	0
Cranes	G4	50	U	P	0.1138	1.30E-01	2.50E-01	1.06E-05	1.53E-05	2.74E-04	2.36E-08	1.49E-07	1.94E-03	7.05E-07	5.97E-07	2.18E-03	1
Cranes	G4	120	U	P	0.2276	2.59E-01	8.84E-01	2.81E-05	8.49E-05	4.67E-04	7.43E-08	5.96E-07	7.69E-03	2.34E-06	1.59E-06	8.45E-03	3
Cranes	G4	175	U	P	0.009104	1.04E-02	5.56E-02	8.90E-07	6.43E-06	1.77E-05	5.02E-09	4.03E-08	5.05E-04	1.32E-07	5.03E-08	5.47E-04	0
Crushing/Proc. Equipment	G4	15	U	P	0.1708358	1.35E-01	1.01E-01	7.51E-06	5.55E-06	2.90E-04	1.40E-08	4.11E-06	4.90E-04	4.39E-07	4.25E-07	6.35E-04	0
Crushing/Proc. Equipment	G4	25	U	P	0.1119269	8.87E-02	1.21E-01	9.24E-06	5.98E-06	3.58E-04	1.45E-08	4.79E-06	5.71E-04	3.75E-07	5.23E-07	6.98E-04	0
Crushing/Proc. Equipment	G4	120	U	P	0.132008	8.72E-02	6.89E-01	1.88E-05	6.58E-05	3.19E-04	5.87E-08	4.71E-07	6.08E-03	1.22E-06	1.06E-06	6.48E-03	2
Rough Terrain Forklifts	G4	50	U	P	0.04552	5.16E-02	1.70E-01	7.15E-06	1.04E-05	1.86E-04	1.60E-08	1.01E-07	1.32E-03	3.72E-07	4.04E-07	1.44E-03	0
Rough Terrain Forklifts	G4	120	U	P	0.6463841	7.32E-01	3.85E+00	1.22E-04	3.69E-04	2.03E-03	3.23E-07	2.59E-06	3.35E-02	8.33E-06	6.91E-06	3.62E-02	11
Rough Terrain Forklifts	G4	175	U	P	0.02276	2.58E-02	2.11E-01	3.37E-06	2.43E-05	6.70E-05	1.90E-08	1.53E-07	1.91E-03	4.10E-07	1.90E-07	2.05E-03	1
Rubber Tired Loaders	G4	50	U	P	0.1138	1.60E-01	3.89E-01	1.76E-05	2.42E-05	4.51E-04	3.62E-08	2.28E-07	2.98E-03	9.95E-07	9.95E-07	3.31E-03	1
Rubber Tired Loaders	G4	120	U	P	0.755632	1.06E+00	4.08E+00	1.41E-04	3.99E-04	2.30E-03	3.40E-07	2.73E-06	3.52E-02	1.04E-05	7.95E-06	3.86E-02	12
Tractors/Loaders/Backhoes	G4	120	U	P	0.4005761	9.56E-01	2.83E+00	7.66E-05	1.90E-04	1.51E-03	2.38E-07	1.91E-06	2.47E-02	6.29E-06	4.31E-06	2.67E-02	8
Skid Steer Loaders	G4	15	U	P	0.3357808	2.94E-01	2.33E-01	1.76E-05	1.30E-05	6.68E-04	3.22E-08	9.46E-06	1.13E-03	9.94E-07	9.97E-07	1.46E-03	0
Skid Steer Loaders	G4	25	U	P	22.45018	1.96E+01	2.18E+01	1.69E-03	1.09E-03	6.43E-02	2.60E-06	8.59E-04	1.02E-01	7.50E-05	9.55E-05	1.28E-01	40
Skid Steer Loaders	G4	50	U	P	3.104464	2.64E+00	5.07E+00	8.46E-05	1.45E-04	4.04E-03	5.14E-07	3.24E-06	4.23E-02	9.36E-06	4.78E-06	4.53E-02	14
Skid Steer Loaders	G4	120	U	P	1.857216	1.58E+00	6.80E+00	6.63E-05	2.33E-04	1.83E-03	6.04E-07	4.84E-06	6.25E-02	8.69E-06	3.75E-06	6.53E-02	21
Dumpers/Tenders	G4	5	U	P	3.204644	1.31E+00	1.76E-01	2.52E-05	1.13E-05	3.74E-04	3.51E-08	3.31E-07	1.02E-03	1.85E-06	1.43E-06	1.62E-03	1
Dumpers/Tenders	G4	15	U	P	6.833433	2.79E+00	1.10E+00	1.18E-04	4.75E-05	3.36E-03	1.39E-07	3.95E-05	4.88E-03	5.64E-06	6.70E-06	6.76E-03	2
Dumpers/Tenders	G4	25	U	P	1.266542	5.17E-01	4.31E-01	4.32E-05	1.67E-05	1.33E-03	4.84E-08	1.54E-05	1.91E-03	1.46E-06	2.44E-06	2.41E-03	1
Dumpers/Tenders	G4	120	U	P	0.08193602	2.85E-02	7.41E-02	1.80E-06	7.05E-06	3.12E-05	6.37E-09	5.11E-08	6.59E-04	2.20E-07	1.02E-07	7.30E-04	0
Other Construction Equipment	G4	175	U	P	0.31864	3.24E-01	1.78E+00	9.53E-06	5.45E-05	5.38E-04	1.62E-07	1.30E-06	1.63E-02	1.94E-06	5.38E-07	1.69E-02	5
Pavers	D	25	U	P	0.08274992	1.86E-01	1.58E-01	2.58E-06	1.49E-05	7.85E-06	2.20E-08	8.60E-07	1.74E-03	0.00E+00	2.33E-07	1.74E-03	1
Pavers	D	50	U	P	4.810527	1.10E+01	1.45E+01	8.98E-04	1.71E-03	2.13E-03	2.00E-06	1.97E-04	1.54E-01	0.00E+00	8.10E-05	1.56E-01	49
Pavers	D	120	U	P	5.671128	1.30E+01	4.14E+01	1.07E-03	6.30E-03	3.40E-03	5.28E-06	5.57E-04	4.50E-01	0.00E+00	9.64E-05	4.52E-01	142
Pavers	D	175	U	P	3.525146	8.09E+00	4.75E+01	8.31E-04	6.49E-03	3.22E-03	5.83E-06	3.67E-04	5.19E-01	0.00E+00	7.50E-05	5.20E-01	164
Pavers	D	250	U	N	0.4247828	9.75E-01	8.62E+00	1.18E-04	1.14E-03	3.39E-04	1.07E-06	4.62E-05	9.47E-02	0.00E+00	1.06E-05	9.49E-02	30
Pavers	D	500	U	N	0.4358162	1.00E+00	1.06E+01	1.30E-04	1.26E-03	5.77E-04	1.14E-06	5.08E-05	1.17E-01	0.00E+00	1.18E-05	1.17E-01	37
Plate Compactors	D	15	U	P	1.776365	2.92E+00	5.75E-01	7.37E-06	4.63E-05	3.85E-05	9.80E-08	2.20E-06	6.30E-03	0.00E+00	6.65E-07	6.31E-03	2
Rollers	D	15	U	P	3.337579	6.36E+00	1.83E+00	2.34E-05	1.46E-04	1.23E-04	3.12E-07	6.00E-06	2.01E-02	0.00E+00	2.11E-06	2.01E-02	6
Rollers	D	25	U	P	1.395715	2.66E+00	1.62E+00	2.18E-05	1.39E-04	7.32E-05	2.25E-07	7.18E-06	1.77E-02	0.00E+00	1.96E-06	1.78E-02	6
Rollers	D	50	U	P	4.341612	8.36E+00	1.02E+01	5.31E-04	1.15E-03	1.32E-03	1.40E-06	1.22E-04	1.08E-01	0.00E+00	4.79E-05	1.09E-01	34
Rollers	D	120	U	P	23.30789	4.49E+01	1.21E+02	2.70E-03	1.66E-02	9.36E-03	1.55E-05	1.44E-03	1.32E+00	0.00E+00	2.44E-04	1.33E+00	418
Rollers	D	175	U	P	9.372806	1.80E+01	8.91E+01	1.34E-03	1.09E-02	5.65E-03	1.10E-05	5.96E-04	9.75E-01	0.00E+00	1.21E-04	9.77E-01	308
Rollers	D	250	U	N	1.329515	2.56E+00	1.78E+01	1.97E-04	2.08E-03	5.78E-04	2.20E-06	7.68E-05	1.96E-01	0.00E+00	1.77E-05	1.96E-01	62
Rollers	D	500	U	N	0.9323156	1.79E+00	1.79E+01	1.78E-04	1.87E-03	6.93E-04	1.93E-06	6.99E-05	1.96E-01	0.00E+00	1.60E-05	1.97E-01	62
Scrapers	D	120	U	P	0.2151498	6.60E-01	2.85E+00	7.40E-05	4.30E-04	2.36E-04	3.63E-07	3.90E-05	3.09E-02	0.00E+00	6.68E-06	3.11E-02	10
Scrapers	D	175	U	P	1.969448	6.04E+00	4.09E+01	7.25E-04	5.53E-03	2.80E-03	5.02E-06	3.19E-04	4.47E-01	0.00E+00	6.54E-05	4.48E-01	141
Scrapers	D	250	U	N	1.919798	5.89E+00	5.60E+01	7.68E-04	7.31E-03	2.15E-03	6.93E-06	2.94E-04	6.16E-01	0.00E+00	6.93E-05	6.17E-01	194
Scrapers	D	500	U	N	5.284962	1.62E+01	2.37E+02	2.94E-03	2.77E-02	1.22E-02	2.55E-05	1.12E-03	2.60E+00	0.00E+00	2.66E-04	2.61E+00	821
Scrapers	D	750	U	N	35.05751	1.07E+02	2.72E+03	3.39E-02	3.24E-01	1.40E-01	3.00E-04	1.29E-02	2.98E+01	0.00E+00	3.06E-03	2.99E+01	9,404
Paving Equipment	D	25	U	P	0.1434332	3.26E-01	1.87E-01	2.53E-06	1.62E-05	8.49E-06	2.61E-08	8.33E-07	2.06E-03	0.00E+00	2.28E-07	2.06E-03	1
Paving Equipment	D	50	U	P	0.1213665	2.79E-01	3.14E-01	1.93E-05	3.70E-05	4.56E-05	4.31E-08	4.23E-06	3.33E-03	0.00E+00	1.74E-06	3.37E-03	1
Paving Equipment	D	120	U	P	1.748781	4.02E+00	1.01E+01	2.58E-04	1.52E-03	8.20E-04	1.28E-06	1.35E-04	1.09E-01	0.00E+00	2.33E-05	1.10E-01	35
Paving Equipment	D	175	U	P	0.8219824	1.89E+00	8.72E+00	1.51E-04	1.19E-03	5.85E-04	1.07E-06	6.66E-05	9.53E-02	0.00E+00	1.37E-05	9.56E-02	30
Paving Equipment	D	250	U	N	0.2316997	5.32E-01	2.96E+00	3.99E-05	3.89E-04	1.15E-04	3.66E-07	1.57E-05	3.25E-02	0.00E+00	3.60E-06	3.26E-02	10
Surfacing Equipment	D	50	U	P	0.1103332	1.37E-01	9.01E-02	4.05E-06	9.94E-06	1.04E-05	1.25E-08	9.75E-07	9.67E-04	0.00E+00	3.65E-07	9.75E-04	0
Surfacing Equipment	D	120	U	P	0.02206664	2.74E-02	8.02E-02	1.64E-06	1.05E-05	5.94E-06	1.03E-08	8.59E-07	8.74E-04	0.00E+00	1.48E-07	8.77E-04	0
Surfacing Equipment	D	175	U	P	0.01654998	2.06E-02	8.05E-02	1.11E-06	9.45E-06	4.92E-06	9.92E-09	4.88E-07	8.82E-04	0.00E+00	9.98E-08	8.84E-04	0
Surfacing Equipment	D	250	U	N	0.03309996	4.12E-02	2.52E-01	2.57E-06	2.84E-05	7.94E-06	3.12E-08	1.01E-06	2.77E-03	0.00E+00	2.32E-07	2.78E-03	1
Surfacing Equipment	D	500	U	N	0.275833	3.43E-01	3.44E+00	3.16E-05	3.51E-04	1.32E-04	3.72E-07	1.26E-05	3.79E-02	0.00E+00	2.86E-06	3.80E-02	12
Surfacing Equipment	D	750	U	N	6.698887	8.33E+00	1.31E+02	1.23E-03	1.37E-02	5.05E-03	1.45E-05	4.88E-04	1.44E+00	0.00E+00	1.11E-04	1.45E+00	455
Signal Boards	D	15	U	P	15.5294	3.19E+01	8.99E+00	1.15E-04	7.18E-04	6.01E-04	1.53E-06	2.69E-05	9.84E-02	0.00E+00	1.03E-05	9.87E-02	31
Signal Boards	D	50	U	P	0.07723325	1.13E-01	1.91E-01	8.46E-06	2.09E-05	2.17E-05	2.65E-08	2.06E-06	2.05E-03	0.00E+00	7.64E-07	2.06E-03	1
Signal Boards	D	120	U	P	1.263315	1.85E+00	6.81E+00	1.39E-04	8.75E-04	4.98E-04	8.71E-07	7.35E-05	7.43E-02	0.00E+00	1.25E-05	7.45E-02	23
Signal Boards	D	175	U	P	0.7833657	1.15E+00	8.10E+00	1.10E-04	9.32E-04	4.84E-04	9.98E-07	4.87E-05	8.87E-02	0.00E+00	9.92E-06	8.89E-02	28
Signal Boards	D	250	U	N	0.1654998	2.43E-01	2.81E+00	2.48E-05	3.05E-04	7.42E-05	3.48E-07	9.55E-06	3.10E-02	0.00E+00	2.24E-06	3.10E-02	10
Trenchers	D	15	U	P	0.4137495	7.01E-01	2.71E-01	3.45E-06	2.16E-05	1.81E-05	4.61E-08	8.10E-07	2.96E-03	0.00E+00	3.11E-07	2.97E-03	1
Trenchers	D	25	U	P	0.4358161	7.39E-01	1.11E+00	1.48E-05	9.43E-05	5.00E-05	1.54E-07	4.62E-06	1.21E-02	0.00E+00	1.33E-06	1.22E-02	4
Trenchers	D	50	U	P	16.58859	2.89E+01	4.46E+01	2.65E-03	5.21E-03	6.29E-03	6.13E-06	5.85E-04	4.74E-01	0.00E+00	2.39E-04	4.79E-01	151
Trenchers	D	120	U	P	22.48039	3.91E+01	1.17E+02	2.96E-03	1.77E-02	9.45E-03	1.49E-05	1.52E-03	1.27E+00	0.00E+00	2.67E-04	1.27E+00	401
Trenchers	D	175	U	P	2.460431	4.28E+00	2.81E+01	4.83E-04	3.85E-03	1.89E-03	3.46E-06	2.12E-04	3.08E-01	0.00E+00	4.36E-05	3.09E-01	97
Trenchers	D	250	U	N	0.2206664	3.84E-01	3.89E+00	5.29E-05	5.14E-04	1.55E-04	4.81E-07	2.10E-05	4.27E-02	0.00E+00	4.77E-06	4.28E-02	13
Trenchers	D	500	U	N	0.2813497	4.89E-01	6.94E+00	8.43E-05	8.29E-04	3.96E-04	7.47E-07	3.33E-05	7.61E-02	0.00E+00	7.61E-06	7.63E-02	24
Trenchers	D	750	U	N	1.339777	2.33E+00	6.23E+01	7.65E-04	7.59E-03	3.55E-03	6.87E-06	3.02E-04	6.83E-01	0.00E+00	6.90E-05	6.85E-01	216

Construction								Tons/Day									MTons/Year
Equipment	Fuel	MaxHP	C/R	Pre	Population	Activity	Consumption	ROG Exhaust	NOX Exhaust	CO Exhaust	SO2 Exhaust	PM Exhaust	CO2 Exhaust	N2O Exhaust	CH4 Exhaust	CO2e	CO2e
Bore/Drill Rigs	D	15	U	P	0.0551666	1.23E-01	5.79E-02	7.38E-07	4.62E-06	3.87E-06	9.87E-09	1.89E-07	6.34E-04	0.00E+00	6.66E-08	6.35E-04	0
Bore/Drill Rigs	D	25	U	P	0.1654998	3.68E-01	2.68E-01	3.61E-06	2.31E-05	1.21E-05	3.73E-08	1.19E-06	2.94E-03	0.00E+00	3.26E-07	2.95E-03	1
Bore/Drill Rigs	D	50	U	P	0.7226825	1.66E+00	2.36E+00	4.55E-05	2.34E-04	2.08E-04	3.32E-07	1.61E-05	2.57E-02	0.00E+00	4.10E-06	2.58E-02	8
Bore/Drill Rigs	D	120	U	P	2.217697	5.09E+00	1.79E+01	1.85E-04	1.57E-03	1.22E-03	2.30E-06	1.16E-04	1.96E-01	0.00E+00	1.67E-05	1.96E-01	62
Bore/Drill Rigs	D	175	U	P	0.5130494	1.18E+00	7.56E+00	5.50E-05	5.40E-04	4.44E-04	9.34E-07	2.85E-05	8.30E-02	0.00E+00	4.96E-06	8.31E-02	26
Bore/Drill Rigs	D	250	U	N	0.4413328	1.01E+00	8.61E+00	4.85E-05	6.01E-04	1.75E-04	1.07E-06	1.95E-05	9.52E-02	0.00E+00	4.38E-06	9.53E-02	30
Bore/Drill Rigs	D	500	U	N	0.9819656	2.25E+00	3.17E+01	1.68E-04	1.92E-03	6.27E-04	3.44E-06	6.92E-05	3.51E-01	0.00E+00	1.51E-05	3.51E-01	110
Bore/Drill Rigs	D	750	U	N	20.76655	4.77E+01	1.33E+03	7.14E-03	8.31E-02	2.62E-02	1.47E-04	2.93E-03	1.46E+01	0.00E+00	6.44E-04	1.47E+01	4,615
Bore/Drill Rigs	D	1000	U	N	34.83422	7.99E+01	3.35E+03	2.14E-02	3.32E-01	6.81E-02	3.72E-04	8.29E-03	3.70E+01	0.00E+00	1.93E-03	3.71E+01	11,673
Excavators	D	25	U	P	0.2041164	7.81E-01	5.85E-01	7.76E-06	4.92E-05	2.64E-05	8.14E-08	2.23E-06	6.42E-03	0.00E+00	7.00E-07	6.43E-03	2
Excavators	D	50	U	P	7.684708	3.00E+01	3.51E+01	1.71E-03	3.96E-03	4.73E-03	4.85E-06	4.16E-04	3.75E-01	0.00E+00	1.54E-04	3.79E-01	119
Excavators	D	120	U	P	20.86953	8.16E+01	2.75E+02	5.74E-03	3.43E-02	2.17E-02	3.52E-05	3.20E-03	3.00E+00	0.00E+00	5.18E-04	3.01E+00	948
Excavators	D	175	U	P	40.26058	1.57E+02	8.06E+02	1.16E-02	8.80E-02	5.27E-02	9.92E-05	5.25E-03	8.82E+00	0.00E+00	1.05E-03	8.84E+00	2,783
Excavators	D	250	U	N	16.37345	6.40E+01	4.60E+02	4.64E-03	4.79E-02	1.25E-02	5.71E-05	1.66E-03	5.07E+00	0.00E+00	4.19E-04	5.08E+00	1,599
Excavators	D	500	U	N	11.81117	4.62E+01	4.89E+02	4.57E-03	4.45E-02	1.42E-02	5.29E-05	1.64E-03	5.39E+00	0.00E+00	4.13E-04	5.40E+00	1,699
Excavators	D	750	U	N	10.49493	4.10E+01	7.20E+02	6.79E-03	6.78E-02	2.09E-02	7.98E-05	2.46E-03	7.94E+00	0.00E+00	6.13E-04	7.95E+00	2,503
Concrete/Industrial Saws	D	25	U	P	0.02206664	3.58E-02	2.69E-02	3.59E-07	2.29E-06	1.21E-06	3.74E-09	1.12E-07	2.95E-04	0.00E+00	3.24E-08	2.96E-04	0
Concrete/Industrial Saws	D	50	U	P	0.1930831	3.07E-01	4.31E-01	1.89E-05	4.71E-05	4.93E-05	5.99E-08	4.62E-06	4.63E-03	0.00E+00	1.71E-06	4.67E-03	1
Concrete/Industrial Saws	D	120	U	P	0.3365163	5.35E-01	1.82E+00	3.60E-05	2.30E-04	1.33E-04	2.33E-07	1.93E-05	1.98E-02	0.00E+00	3.25E-06	1.99E-02	6
Concrete/Industrial Saws	D	175	U	P	0.01103332	1.75E-02	1.28E-01	1.70E-06	1.45E-05	7.70E-06	1.58E-08	7.60E-07	1.40E-03	0.00E+00	1.53E-07	1.41E-03	0
Cement and Mortar Mixers	D	15	U	P	2.819013	2.32E+00	6.69E-01	9.14E-06	5.85E-05	4.50E-05	1.14E-07	3.35E-06	7.32E-03	0.00E+00	8.25E-07	7.34E-03	2
Cement and Mortar Mixers	D	25	U	P	0.2537664	2.09E-01	1.68E-01	3.59E-06	1.70E-05	9.79E-06	2.32E-08	1.11E-06	1.83E-03	0.00E+00	3.24E-07	1.84E-03	1
Cranes	D	50	U	P	0.1875665	6.59E-01	7.18E-01	4.24E-05	8.38E-05	1.04E-04	9.87E-08	9.53E-06	7.63E-03	0.00E+00	3.83E-06	7.71E-03	2
Cranes	D	120	U	P	2.057714	7.23E+00	1.66E+01	4.05E-04	2.36E-03	1.35E-03	2.12E-06	2.19E-04	1.81E-01	0.00E+00	3.65E-05	1.82E-01	57
Cranes	D	175	U	P	2.057714	7.23E+00	2.65E+01	4.39E-04	3.37E-03	1.76E-03	3.26E-06	1.95E-04	2.90E-01	0.00E+00	3.96E-05	2.91E-01	92
Cranes	D	250	U	N	3.988545	1.40E+01	7.14E+01	8.69E-04	8.67E-03	2.41E-03	8.83E-06	3.28E-04	7.85E-01	0.00E+00	7.84E-05	7.87E-01	248
Cranes	D	500	U	N	1.461915	5.14E+00	4.20E+01	4.66E-04	4.54E-03	1.69E-03	4.53E-06	1.75E-04	4.62E-01	0.00E+00	4.21E-05	4.63E-01	146
Cranes	D	750	U	N	43.54277	1.53E+02	2.11E+03	2.35E-02	2.34E-01	8.46E-02	2.33E-04	8.90E-03	2.32E+01	0.00E+00	2.12E-03	2.32E+01	7,303
Cranes	D	9999	U	N	54.70758	1.92E+02	8.48E+03	1.04E-01	1.17E+00	3.95E-01	9.36E-04	3.63E-02	9.31E+01	0.00E+00	9.41E-03	9.33E+01	29,364
Graders	D	50	U	P	0.07723323	2.02E-01	2.61E-01	1.42E-05	2.99E-05	3.63E-05	3.60E-08	3.28E-06	2.78E-03	0.00E+00	1.28E-06	2.81E-03	1
Graders	D	120	U	P	5.15256	1.35E+01	4.64E+01	1.05E-03	6.26E-03	3.68E-03	5.93E-06	5.77E-04	5.05E-01	0.00E+00	9.51E-05	5.07E-01	160
Graders	D	175	U	P	17.60366	4.61E+01	2.61E+02	4.04E-03	3.13E-02	1.71E-02	3.21E-05	1.82E-03	2.85E+00	0.00E+00	3.65E-04	2.86E+00	901
Graders	D	250	U	N	10.92299	2.86E+01	2.23E+02	2.52E-03	2.57E-02	7.02E-03	2.77E-05	9.45E-04	2.46E+00	0.00E+00	2.27E-04	2.46E+00	776
Graders	D	500	U	N	0.3089329	8.09E-01	8.43E+00	8.68E-05	8.57E-04	3.02E-04	9.10E-07	3.25E-05	9.27E-02	0.00E+00	7.83E-06	9.29E-02	29
Graders	D	750	U	N	0.6698888	1.75E+00	3.87E+01	4.01E-04	4.05E-03	1.39E-03	4.28E-06	1.51E-04	4.26E-01	0.00E+00	3.62E-05	4.26E-01	134
Off-Highway Trucks	D	175	U	P	0.3585829	1.96E+00	1.12E+01	1.70E-04	1.26E-03	7.46E-04	1.38E-06	7.59E-05	1.22E-01	0.00E+00	1.54E-05	1.23E-01	39
Off-Highway Trucks	D	250	U	N	2.647997	1.45E+01	1.09E+02	1.18E-03	1.17E-02	3.10E-03	1.35E-05	4.15E-04	1.20E+00	0.00E+00	1.07E-04	1.21E+00	380
Off-Highway Trucks	D	500	U	N	3.729262	2.04E+01	2.52E+02	2.53E-03	2.36E-02	7.65E-03	2.72E-05	8.85E-04	2.77E+00	0.00E+00	2.29E-04	2.78E+00	874
Off-Highway Trucks	D	750	U	N	140.4534	7.67E+02	1.54E+04	1.56E-01	1.49E+00	4.67E-01	1.70E-03	5.50E-02	1.69E+02	0.00E+00	1.41E-02	1.70E+02	53,391
Off-Highway Trucks	D	1000	U	N	65.87241	3.59E+02	1.02E+04	1.16E-01	1.32E+00	3.69E-01	1.13E-03	3.98E-02	1.12E+02	0.00E+00	1.04E-02	1.12E+02	35,385
Crushing/Proc. Equipment	D	50	U	P	0.8826657	2.31E+00	4.77E+00	2.63E-04	5.43E-04	6.46E-04	6.57E-07	6.02E-05	5.08E-02	0.00E+00	2.37E-05	5.13E-02	16
Crushing/Proc. Equipment	D	120	U	P	2.488014	6.52E+00	2.49E+01	5.75E-04	3.38E-03	1.94E-03	3.17E-06	3.14E-04	2.71E-01	0.00E+00	5.19E-05	2.72E-01	86
Crushing/Proc. Equipment	D	175	U	P	1.053682	2.76E+00	2.11E+01	3.28E-04	2.57E-03	1.34E-03	2.59E-06	1.48E-04	2.31E-01	0.00E+00	2.96E-05	2.31E-01	73
Crushing/Proc. Equipment	D	250	U	N	0.1048165	2.74E-01	3.04E+00	3.08E-05	3.50E-04	8.51E-05	3.77E-07	1.15E-05	3.35E-02	0.00E+00	2.77E-06	3.36E-02	11
Crushing/Proc. Equipment	D	500	U	N	0.5902828	1.55E+00	2.62E+01	2.38E-04	2.66E-03	8.10E-04	2.83E-06	9.14E-05	2.89E-01	0.00E+00	2.15E-05	2.89E-01	91
Crushing/Proc. Equipment	D	750	U	N	1.116481	2.92E+00	7.81E+01	7.24E-04	8.26E-03	2.36E-03	8.65E-06	2.77E-04	8.60E-01	0.00E+00	6.53E-05	8.61E-01	271
Crushing/Proc. Equipment	D	9999	U	N	1.116481	2.92E+00	1.74E+02	2.02E-03	2.35E-02	6.99E-03	1.92E-05	7.02E-04	1.91E+00	0.00E+00	1.82E-04	1.91E+00	602
Rough Terrain Forklifts	D	50	U	P	0.6123492	1.90E+00	3.01E+00	1.52E-04	3.39E-04	3.99E-04	4.16E-07	3.61E-05	3.22E-02	0.00E+00	1.37E-05	3.25E-02	10
Rough Terrain Forklifts	D	120	U	P	29.32656	9.12E+01	2.61E+02	5.56E-03	3.35E-02	2.03E-02	3.34E-05	3.10E-03	2.85E+00	0.00E+00	5.02E-04	2.86E+00	899
Rough Terrain Forklifts	D	175	U	P	3.756845	1.17E+01	6.66E+01	9.64E-04	7.55E-03	4.26E-03	8.20E-06	4.40E-04	7.29E-01	0.00E+00	8.70E-05	7.31E-01	230
Rough Terrain Forklifts	D	250	U	N	0.2096331	6.52E-01	5.05E+00	4.97E-05	5.44E-04	1.39E-04	6.26E-07	1.85E-05	5.56E-02	0.00E+00	4.48E-06	5.57E-02	18
Rough Terrain Forklifts	D	500	U	N	0.1379165	4.29E-01	4.99E+00	4.49E-05	4.71E-04	1.47E-04	5.40E-07	1.69E-05	5.50E-02	0.00E+00	4.06E-06	5.51E-02	17
Rubber Tired Loaders	D	25	U	P	0.07723325	2.03E-01	1.56E-01	2.08E-06	1.33E-05	7.06E-06	2.17E-08	6.53E-07	1.71E-03	0.00E+00	1.88E-07	1.72E-03	1
Rubber Tired Loaders	D	50	U	P	1.500532	4.02E+00	5.86E+00	3.15E-04	6.69E-04	8.06E-04	8.08E-07	7.28E-05	6.25E-02	0.00E+00	2.84E-05	6.31E-02	20
Rubber Tired Loaders	D	120	U	P	40.7957	1.09E+02	2.95E+02	6.62E-03	3.95E-02	2.33E-02	3.77E-05	3.63E-03	3.21E+00	0.00E+00	5.98E-04	3.23E+00	1,016
Rubber Tired Loaders	D	175	U	P	22.99344	6.16E+01	2.99E+02	4.57E-03	3.55E-02	1.95E-02	3.68E-05	2.06E-03	3.27E+00	0.00E+00	4.12E-04	3.28E+00	1,032
Rubber Tired Loaders	D	250	U	N	22.86656	6.12E+01	4.14E+02	4.57E-03	4.71E-02	1.28E-02	5.13E-05	1.72E-03	4.56E+00	0.00E+00	4.12E-04	4.56E+00	1,437
Rubber Tired Loaders	D	500	U	N	9.516241	2.55E+01	2.74E+02	2.76E-03	2.76E-02	9.68E-03	2.96E-05	1.04E-03	3.02E+00	0.00E+00	2.49E-04	3.02E+00	951
Rubber Tired Loaders	D	750	U	N	27.01885	7.23E+01	1.59E+03	1.62E-02	1.65E-01	5.63E-02	1.76E-04	6.14E-03	1.75E+01	0.00E+00	1.46E-03	1.76E+01	5,533
Rubber Tired Loaders	D	1000	U	N	2.902852	7.76E+00	2.10E+02	2.38E-03	2.77E-02	8.62E-03	2.32E-05	8.36E-04	2.30E+00	0.00E+00	2.15E-04	2.31E+00	726
Rubber Tired Dozers	D	175	U	P	0.0551666	2.48E-01	1.47E+00	2.97E-05	2.21E-04	1.07E-04	1.80E-07	1.29E-05	1.60E-02	0.00E+00	2.68E-06	1.61E-02	5
Rubber Tired Dozers	D	250	U	N	1.351582	6.07E+00	5.07E+01	8.37E-04	7.42E-03	2.33E-03	6.26E-06	3.23E-04	5.56E-01	0.00E+00	7.56E-05	5.58E-01	176
Rubber Tired Dozers	D	500	U	N	2.079782	9.34E+00	1.13E+02	1.68E-03	1.49E-02	8.03E-03	1.21E-05	6.34E-04	1.24E+00	0.00E+00	1.52E-04	1.24E+00	390
Rubber Tired Dozers	D	750	U	N	29.6984	1.33E+02	2.43E+03	3.63E-02	3.27E-01	1.73E-01	2.67E-04	1.38E-02	2.66E+01	0.00E+00	3.27E-03	2.66E+01	8,384
Rubber Tired Dozers	D	1000	U	N	2.009666	9.01E+00	2.44E+02	3.80E-03	3.82E-02	1.87E-02	2.68E-05	1.36E-03	2.67E+00	0.00E+00	3.43E-04	2.67E+00	841
Tractors/Loaders/Backhoes	D	25	U	P	1.555698	4.02E+00	2.90E+00	4.28E-05	2.64E-04	1.37E-04	4.04E-07	1.45E-05	3.18E-02	0.00E+00	3.87E-06	3.19E-02	10
Tractors/Loaders/Backhoes	D	50	U	P	9.295571	2.47E+01	3.49E+01	1.56E-03	3.84E-03	4.39E-03	4.84E-06	3.87E-04	3.74E-01	0.00E+00	1.41E-04	3.77E-01	119
Tractors/Loaders/Backhoes	D	120	U	P	124.3345	3.30E+02	7.82E+02	1.51E-02	9.37E-02	5.99E-02	1.00E-04	8.57E-03	8.53E+00	0.00E+00	1.37E-03	8.56E+00	2,695
Tractors/Loaders/Backhoes	D	175	U	P	9.279024	2.46E+01	1.14E+02	1.51E-03	1.19E-02	7.24E-03	1.40E-05	6.98E-04	1.25E+00	0.00E+00	1.36E-04	1.25E+00	394
Tractors/Loaders/Backhoes	D	250	U	N	3.001063	7.97E+00	6.20E+01	5.66E-04	6.20E-03	1.60E-03	7.69E-06	2.09E-04	6.84E-01	0.00E+00	5.11E-05	6.85E-01	216
Tractors/Loaders/Backhoes	D	500	U	N	4.843627	1.29E+01	2.01E+02	1.69E-03	1.75E-02	5.44E-03	2.49E-05	6.29E-04	2.22E+00	0.00E+00	1.53E-04	2.22E+00	698
Tractors/Loaders/Backhoes	D	750	U	N	135.0942	3.59E+02	8.41E+03	7.15E-02	7.60E-01	2.28E-01	1.04E-03	2.68E-02	9.27E+01	0.00E+00	6.45E-03	9.28E+01	29,221
Crawler Tractors	D	50	U	P	0.07723325	2.23E-01	2.62E-01	1.62E-05	3.10E-05	3.94E-05	3.59E-08	3.59E-06	2.78E-03	0.00E+00	1.46E-06	2.81E-03	1
Crawler Tractors	D	120	U	P	43.81884	1.27E+02	3.84E+02	9.87E-03	5.73E-02	3.18E-02	4.89E-05	5.22E-03	4.17E+00	0.00E+00	8.91E-04	4.19E+00	1,318
Crawler Tractors	D	175	U	P	14.82878	4.29E+01	2.38E+02	4.18E-03	3.18E-02	1.63E-02	2.92E-05	1.84E-03	2.60E+00	0.00E+00	3.77E-04	2.61E+00	820
Crawler Tractors	D	250	U	N	12.74349	3.69E+01	2.78E+02	3.77E-03	3.59E-02	1.05E-02	3.44E-05	1.44E-03	3.06E+00	0.00E+00	3.40E-04	3.07E+00	966
Crawler Tractors	D	500	U	N	8.732873	2.53E+01	2.98E+02	3.66E-03	3.43E-02	1.49E-02	3.21E-05	1.38E-03	3.27E+00	0.00E+00	3.31E-04	3.28E+00	1,032
Crawler Tractors	D	750	U	N	17.8637	5.17E+01	1.09E+03	1.35E-02	1.29E-01	5.47E-02	1.21E-04	5.13E-03	1.20E+01	0.00E+00	1.22E-03	1.20E+01	3,785
Crawler Tractors	D	1000	U	N	17.8637	5.16E+01	1.55E+03	2.05E-02	2.22E-01	8.65E-02	1.71E-04	7.24E-03	1.70E+01	0.00E+00	1.85E-03	1.70E+01	5,356
Skid Steer Loaders	D	25	U	P	10.59199	2.42E+01	1.53E+01	3.00E-04	1.52E-03	8.45E-04	2.12E-06	9.55E-05	1.67E-01	0.00E+00	2.71E-05	1.67E-01	53
Skid Steer Loaders	D	50	U	P	96.07264	2.24E+02	2.65E+02	8.88E-03	2.76E-02	2.82E-02	3.70E-05	2.44E-03	2.86E+00	0.00E+00	8.01E-04	2.88E+00	906
Skid Steer Loaders	D	120	U	P	50.33953	1.18E+02	2.30E+02	3.59E-03	2.43E-02	1.66E-02	2.95E-05	2.10E-03	2.51E+00	0.00E+00	3.24E-04	2.52E+00	793
Off-Highway Tractors	D	120	U	P	0.00551666	1.70E-02	7.33E-02	2.09E-06	1.20E-05	6.31E-06	9.33E-09	1.07E-06	7.95E-04	0.00E+00	1.89E-07	7.99E-04	0
Off-Highway Tractors	D	175	U	P	6.746876	2.08E+01	1.24E+02	2.42E-03	1.83E-02	8.87E-03	1.52E-05	1.06E-03	1.35E+00	0.00E+00	2.18E-04	1.36E+00	427
Off-Highway Tractors	D	250	U	N	6.377259	1.96E+01	1.17E+02	1.84E-03	1.67E-02	5.20E-03	1.44E-05	7.17E-04	1.28E+00	0.00E+00	1.66E-04	1.28E+00	404
Off-Highway Tractors	D	750	U	N	112.0947	3.45E+02	8.95E+03	1.27E-01	1.18E+00	6.08E-01	9.85E-04	4.91E-02	9.79E+01	0.00E+00	1.15E-02	9.82E+01	30,902
Off-Highway Tractors	D	1000	U	N	11.8347	3.64E+01	1.35E+03	2.03E-02	2.08E-01	9.97E-02	1.49E-04	7.27E-03	1.48E+01	0.00E+00	1.83E-03	1.48E+01	4,672
Dumpers/Tenders	D	25	U	P	0.1323998	2.40E-01	8.35E-02	1.30E-06	7.74E-06	4.04E-06	1.16E-08	4.36E-07	9.15E-04	0.00E+00	1.17E-07	9.18E-04	0
Other Construction Equipment	D	15	U	P	1.826015	3.45E+00	1.59E+00	2.03E-05	1.27E-04	1.07E-04	2.71E-07	5.21E-06	1.74E-02	0.00E+00	1.83E-06	1.75E-02	6
Other Construction Equipment	D	25	U	P	0.308933	5.85E-01	3.52E-01	4.74E-06	3.03E-05	1.59E-05	4.90E-08	1.56E-06	3.86E-03	0.00E+00	4.28E-07	3.87E-03	1
Other Construction Equipment	D	50	U	P	0.4744328	9.16E-01	1.19E+00	4.76E-05	1.28E-04	1.34E-04	1.66E-07	1.21E-05	1.28E-02	0.00E+00	4.29E-06	1.29E-02	4
Other Construction Equipment	D	120	U	P	0.7833656	1.51E+00	5.60E+00	1.00E-04	6.55E-04	4.10E-04	7.17E-07	5.63E-05	6.11E-02	0.00E+00	9.07E-06	6.13E-02	19
Other Construction Equipment	D	175	U	P	1.081265	2.09E+00	1.01E+01	1.23E-04	1.04E-03	6.16E-04	1.25E-06	5.70E-05	1.11E-01	0.00E+00	1.11E-05	1.11E-01	35
Other Construction Equipment	D	500	U	N	2.510081	4.85E+00	5.58E+01	4.13E-04	4.80E-03	1.46E-03	6.04E-06	1.64E-04	6.15E-01	0.00E+00	3.73E-05	6.16E-01	194

Construction Equipment	Fuel	MaxHP	C/R	Pre	Population	Activity	Consumption	Tons/Day ROG Exhaust	NOX Exhaust	CO Exhaust	SO2 Exhaust	PM Exhaust	CO2 Exhaust	N2O Exhaust	CH4 Exhaust	CO2e	MTons/Year CO2e
					2,123	5,380	80,043	0.950	9.221	3.884	0.009	0.358	878.546	0.001	0.085	881	277,197
					Population	Activity	Consumption	lbs/day					Tons/Day				MTons/Year
					334	845	12,578	299	2,898	1,221	3	113	138	0	0	138	**43,559**

As a percent of Total Building Permits issued. 2,972 485 Percent 15.71%

SOURCE: U.S. Census Bureau. http://censtats.census.gov/cgi-bin/bldgprmt/bldgdisp.pl

Annual GHG emissions (MTons/Year) multiplied by 347 days/year to account for reduced/limited construction activity on weekends and holidays. This assumption is consistent with the California Air Resources Board's (CARB) methodology for transportation within the Climate Change Scoping Plan Measure Documentation Supplement.

Buildings Estimates with Imputation

2008	3,831	886	23.1%
2009	2,605	326	12.5%
2010	2,734	322	11.8%
2011	2,597	378	14.6%
2012	3,091	513	16.6%
avg	2,972	485	15.7%

Lawn & Garden						Tons/Day									MTons/Year
Equipment	Fuel	MaxHP	Population	Activity	Consumption	ROG Exhaust	NOX Exhaust	CO Exhaust	SO2 Exhaust	PM Exhaust	CO2 Exhaust	N2O Exhaust	CH4 Exhaust	CO2e	CO2e
Lawn Mowers	G2	15	2.36E+02	1.48E+02	1.67E+01	1.89E-03	5.02E-04	3.39E-02	4.14E-06	3.17E-04	1.01E-01	1.30E-04	1.17E-04	1.44E-01	48
Lawn Mowers	G2	15	1.77E+03	7.52E+01	1.12E+01	3.08E-03	2.90E-04	2.90E-02	2.11E-06	2.00E-04	5.12E-02	6.78E-05	1.92E-04	7.63E-02	25
Chainsaws	G2	2	4.22E+02	3.35E+02	2.00E+01	1.67E-02	2.62E-04	3.02E-02	3.36E-06	4.75E-05	8.16E-02	1.35E-04	1.04E-03	1.45E-01	48
Chainsaws	G2	2	4.75E+03	6.38E+01	3.83E+00	2.27E-03	5.18E-05	8.15E-03	6.40E-07	4.43E-05	1.55E-02	2.60E-05	1.41E-04	2.66E-02	9
Chainsaws	G2	15	2.97E+02	2.36E+02	3.40E+01	2.84E-02	4.47E-04	5.14E-02	5.72E-06	8.09E-05	1.39E-01	1.53E-04	1.77E-03	2.23E-01	74
Chainsaws	G2	15	3.35E+03	4.49E+01	6.16E+00	3.42E-03	8.60E-05	1.27E-02	1.09E-06	8.39E-05	2.65E-02	2.88E-05	2.12E-04	3.99E-02	13
Chainsaws Preempt	G2	15	3.70E+02	2.93E+02	4.23E+01	3.54E-02	5.56E-04	6.40E-02	7.12E-06	1.01E-04	1.73E-01	1.90E-04	2.20E-03	2.78E-01	92
Chainsaws Preempt	G2	15	4.16E+03	5.59E+01	8.87E+00	5.71E-03	8.57E-05	1.96E-02	1.36E-06	6.21E-05	3.29E-02	3.21E-05	3.55E-04	5.03E-02	17
Trimmers/Edgers/Brush Cutters	G2	2	1.38E+03	4.58E+02	2.03E+01	1.09E-02	3.14E-04	3.61E-02	4.02E-06	5.68E-05	9.75E-02	1.72E-04	6.80E-04	1.65E-01	55
Trimmers/Edgers/Brush Cutters	G2	2	1.53E+04	9.04E+02	3.87E+01	1.78E-02	6.72E-04	7.20E-02	7.93E-06	1.31E-04	1.93E-01	3.54E-04	1.10E-03	3.25E-01	108
Leaf Blowers/Vacuums	G2	2	2.06E+03	1.11E+03	5.90E+01	4.07E-02	8.42E-04	9.69E-02	1.08E-05	1.52E-04	2.62E-01	4.40E-04	2.53E-03	4.51E-01	149
Leaf Blowers/Vacuums	G2	2	5.30E+03	6.97E+01	4.07E+00	2.41E-03	5.50E-05	8.65E-03	6.79E-07	4.71E-05	1.65E-02	2.79E-05	1.49E-04	2.83E-02	9
Snowblowers	G2	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G2	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G2	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G2	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Shredders	G2	15	1.04E+01	3.86E+00	1.69E+00	9.53E-05	7.38E-05	4.59E-03	3.61E-07	7.36E-05	8.78E-03	8.56E-06	5.92E-06	1.16E-02	4
Shredders	G2	15	3.70E+02	9.12E-01	4.91E-01	1.66E-04	1.25E-05	1.29E-03	8.54E-08	1.74E-05	2.07E-03	1.63E-06	1.03E-05	2.79E-03	1
Commercial Turf Equipment	G2	15	5.51E+00	1.21E+01	4.96E+00	2.52E-04	1.91E-04	1.35E-02	1.06E-06	1.20E-05	2.57E-02	2.41E-05	1.56E-05	3.35E-02	11
Commercial Turf Equipment	G2	25	2.72E+00	5.96E+00	5.30E+00	2.66E-04	1.95E-04	1.49E-02	1.10E-06	1.25E-05	2.68E-02	1.76E-05	1.66E-05	3.26E-02	11
Other Lawn & Garden Equipment	G2	2	2.33E+00	4.37E-01	2.44E-02	1.20E-05	3.87E-07	4.44E-05	4.95E-09	6.99E-08	1.20E-04	1.88E-07	7.43E-07	1.94E-04	0
Other Lawn & Garden Equipment	G2	2	7.14E+01	8.40E-01	5.68E-02	3.34E-05	7.69E-07	1.21E-04	9.50E-09	6.58E-07	2.31E-04	3.65E-07	2.07E-06	3.87E-04	0
Other Lawn & Garden Equipment	G2	15	1.01E+00	1.90E-01	5.31E-02	2.60E-05	8.41E-07	9.67E-05	1.08E-08	1.52E-07	2.61E-04	1.93E-07	1.62E-06	3.55E-04	0
Other Lawn & Garden Equipment	G2	15	3.11E+01	3.66E-01	1.17E-01	6.42E-05	1.63E-06	2.41E-04	2.07E-08	1.59E-06	5.02E-04	3.68E-07	3.99E-06	7.00E-04	0
Lawn Mowers	G4	5	1.40E+03	8.74E+02	1.04E+02	1.23E-02	3.12E-03	2.27E-01	2.06E-05	1.88E-03	5.96E-01	7.72E-04	6.95E-04	8.50E-01	281
Lawn Mowers	G4	5	2.21E+04	9.40E+02	1.36E+02	1.56E-02	4.01E-03	3.89E-01	2.21E-05	1.51E-03	6.40E-01	8.87E-04	8.85E-04	9.34E-01	309
Tillers	G4	5	1.45E+02	2.22E+01	3.14E+00	2.83E-04	8.03E-05	7.89E-03	5.80E-07	4.41E-05	1.68E-02	1.92E-05	1.60E-05	2.31E-02	8
Tillers	G4	5	5.63E+02	2.77E+01	4.53E+00	5.71E-04	1.33E-04	1.30E-02	7.26E-07	5.16E-05	2.10E-02	2.78E-05	3.23E-05	3.03E-02	10
Trimmers/Edgers/Brush Cutters	G4	5	2.55E+02	9.47E+01	2.90E+00	3.77E-04	1.69E-04	6.60E-03	5.57E-07	5.26E-06	1.61E-02	5.77E-05	2.13E-05	3.45E-02	11
Trimmers/Edgers/Brush Cutters	G4	5	1.19E+03	6.99E+01	2.66E+00	4.21E-04	9.83E-05	7.71E-03	4.11E-07	2.87E-05	1.19E-02	3.75E-05	2.38E-05	2.40E-02	8
Leaf Blowers/Vacuums	G4	5	6.49E+01	1.10E+01	7.28E-01	5.39E-05	1.33E-05	1.95E-03	1.30E-07	8.82E-06	3.77E-03	5.45E-06	3.05E-06	5.52E-03	2
Leaf Blowers/Vacuums	G4	5	5.58E+01	7.34E-01	5.72E-02	5.97E-06	1.36E-06	1.78E-04	8.64E-09	4.94E-07	2.50E-04	4.46E-07	3.38E-07	3.95E-04	0
Snowblowers	G4	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G4	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G4	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G4	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G4	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	G4	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Rear Engine Riding Mowers	G4	15	7.64E+02	5.68E+02	1.87E+02	8.72E-03	6.27E-03	5.44E-01	2.62E-05	4.27E-04	9.20E-01	9.16E-04	4.93E-04	1.21E+00	402
Rear Engine Riding Mowers	G4	15	6.70E+02	5.18E+01	1.74E+01	1.02E-03	6.33E-04	5.13E-02	2.39E-06	3.33E-05	8.38E-02	8.75E-05	5.79E-05	1.12E-01	37
Rear Engine Riding Mowers	G4	25	3.50E+00	2.60E+00	1.67E+00	7.48E-05	5.47E-05	4.99E-03	2.01E-07	3.69E-06	7.95E-03	5.91E-06	4.23E-06	9.87E-03	3
Rear Engine Riding Mowers	G4	25	3.02E+00	2.33E-01	1.52E-01	8.76E-06	4.94E-06	4.57E-04	1.81E-08	2.83E-07	7.12E-04	5.28E-07	4.95E-07	8.86E-04	0
Front Mowers	G4	15	3.50E+01	2.60E+01	1.37E+01	6.38E-04	4.59E-04	3.98E-02	1.92E-06	3.12E-05	6.73E-02	5.39E-05	3.61E-05	8.48E-02	28
Front Mowers	G4	15	1.13E+03	8.75E+01	4.70E+01	2.76E-03	1.71E-03	1.38E-01	6.45E-06	8.97E-05	2.26E-01	1.90E-04	1.56E-04	2.88E-01	95
Front Mowers	G4	25	2.74E+01	2.04E+01	1.45E+01	6.49E-04	4.75E-04	4.33E-02	1.75E-06	3.20E-05	6.89E-02	4.89E-05	3.67E-05	8.49E-02	28
Front Mowers	G4	25	8.87E+02	6.85E+01	4.93E+01	2.85E-03	1.61E-03	1.49E-01	5.87E-06	9.19E-05	2.32E-01	1.64E-04	1.61E-04	2.86E-01	95
Shredders	G4	5	2.75E+01	1.02E+01	2.78E+00	3.61E-04	1.62E-04	6.34E-03	5.35E-07	5.05E-06	1.55E-02	2.00E-05	2.04E-05	2.21E-02	7
Shredders	G4	5	1.02E+03	2.52E+00	8.98E-01	9.48E-05	2.48E-05	2.86E-03	1.32E-07	9.23E-06	3.82E-03	3.81E-06	5.36E-06	5.12E-03	2
Lawn & Garden Tractors	G4	15	1.40E+02	4.94E+01	3.13E+01	1.22E-03	8.90E-04	9.12E-02	4.40E-06	6.05E-05	1.54E-01	1.03E-04	6.92E-05	1.88E-01	62
Lawn & Garden Tractors	G4	15	9.10E+02	3.64E+01	2.35E+01	1.21E-03	8.03E-04	6.91E-02	3.24E-06	4.12E-05	1.14E-01	8.44E-05	6.87E-05	1.41E-01	47
Lawn & Garden Tractors	G4	25	5.53E+01	1.95E+01	1.96E+01	7.59E-04	5.27E-04	5.90E-02	2.38E-06	3.69E-05	9.40E-02	5.06E-05	4.29E-05	1.11E-01	37
Lawn & Garden Tractors	G4	25	3.59E+02	1.44E+01	1.47E+01	7.57E-04	4.48E-04	4.44E-02	1.76E-06	2.51E-05	6.93E-02	4.00E-05	4.28E-05	8.26E-02	27
Lawn & Garden Tractors	G4	50	8.00E-01	2.28E-01	3.55E-01	8.43E-06	1.67E-05	2.84E-04	3.59E-08	2.26E-07	2.95E-03	9.41E-07	4.77E-07	3.25E-03	1
Wood Splitters	G4	5	4.71E+01	1.66E+01	4.85E+00	5.11E-04	1.29E-04	1.13E-02	9.35E-07	7.94E-05	2.71E-02	2.21E-05	2.89E-05	3.45E-02	11
Wood Splitters	G4	5	1.18E+03	3.54E+00	1.32E+00	1.15E-04	2.98E-05	4.15E-03	2.00E-07	1.03E-05	5.79E-03	4.83E-06	6.53E-06	7.42E-03	2
Chippers/Stump Grinders	G4	15	6.64E-01	2.29E+00	1.94E+00	1.53E-04	1.12E-04	5.63E-03	2.66E-07	7.81E-05	9.32E-03	8.15E-06	8.52E-06	1.20E-02	4
Chippers/Stump Grinders	G4	15	1.18E+00	5.36E-02	4.83E-02	3.72E-06	1.75E-06	1.49E-04	6.20E-09	1.53E-06	2.17E-04	1.54E-07	2.11E-07	2.70E-04	0
Chippers/Stump Grinders	G4	25	3.77E+00	1.30E+01	1.86E+01	1.50E-03	9.66E-04	5.56E-02	2.19E-06	7.26E-04	8.66E-02	5.77E-05	8.36E-05	1.06E-01	35
Chippers/Stump Grinders	G4	25	6.71E+00	3.03E-01	4.53E-01	3.30E-05	1.47E-05	1.42E-03	5.11E-08	1.42E-05	2.01E-03	1.07E-06	1.86E-06	2.39E-03	1
Commercial Turf Equipment	G4	15	4.96E+01	1.09E+02	5.83E+01	3.68E-03	2.64E-03	1.69E-01	8.07E-06	1.58E-04	2.83E-01	2.65E-04	2.06E-04	3.70E-01	122
Commercial Turf Equipment	G4	25	2.44E+01	5.35E+01	5.11E+01	3.13E-03	2.25E-03	1.53E-01	6.10E-06	1.35E-04	2.41E-01	1.76E-04	1.76E-04	2.99E-01	99
Commercial Turf Equipment	G4	50	9.86E+00	1.98E+01	3.22E+01	1.13E-03	1.62E-03	4.30E-02	2.91E-06	1.83E-05	2.39E-01	8.86E-05	6.35E-05	2.68E-01	89
Commercial Turf Equipment	G4	120	6.52E-02	1.31E-01	3.20E-01	1.46E-06	8.59E-06	7.75E-05	2.86E-08	2.29E-07	2.96E-03	5.45E-07	8.22E-08	3.13E-03	1
Other Lawn & Garden Equipment	G4	5	4.36E+01	8.19E+00	1.68E+00	1.49E-04	3.93E-05	4.23E-03	3.10E-07	2.36E-05	8.99E-03	8.34E-06	8.45E-06	1.18E-02	4
Other Lawn & Garden Equipment	G4	5	1.34E+03	1.57E+01	3.95E+00	4.03E-04	9.30E-05	1.23E-02	5.96E-07	3.36E-05	1.73E-02	1.78E-05	2.28E-05	2.33E-02	8
Other Lawn & Garden Equipment	G4	15	1.93E+01	3.64E+00	1.62E+00	6.79E-05	4.96E-05	4.72E-03	2.28E-07	3.16E-06	7.99E-03	6.52E-06	3.84E-06	1.01E-02	3
Other Lawn & Garden Equipment	G4	15	5.93E+02	6.99E+00	3.28E+00	1.79E-04	1.07E-04	9.95E-03	4.37E-07	5.27E-06	1.53E-02	1.34E-05	1.01E-05	1.97E-02	7
Other Lawn & Garden Equipment	G4	25	4.09E-01	7.68E-02	7.50E-02	3.13E-06	2.13E-06	2.25E-04	9.09E-09	1.42E-07	3.59E-04	2.02E-07	1.77E-07	4.25E-04	0
Other Lawn & Garden Equipment	G4	25	1.26E+01	1.48E-01	1.51E-01	8.06E-06	4.35E-06	4.68E-04	1.76E-08	2.38E-07	6.93E-04	4.01E-07	4.56E-07	8.27E-04	0
Other Lawn & Garden Equipment	G4	50	2.96E-02	4.95E-03	1.07E-02	2.62E-07	5.35E-07	8.27E-06	1.08E-09	6.83E-09	8.92E-05	2.52E-08	1.48E-08	9.74E-05	0
Other Lawn & Garden Equipment	G4	120	7.11E-02	1.19E-02	6.63E-02	1.13E-06	5.09E-06	2.28E-05	5.80E-09	4.65E-08	6.00E-04	1.25E-07	6.39E-08	6.40E-04	0
Leaf Blowers/Vacuums	D	15	4.74E-02	1.56E-02	2.14E-03	2.54E-08	1.78E-07	1.43E-07	3.64E-10	9.73E-09	2.34E-05	0.00E+00	2.29E-09	2.35E-05	0
Leaf Blowers/Vacuums	D	120	4.15E-02	1.36E-02	3.03E-02	4.61E-07	3.40E-06	1.99E-06	3.89E-09	2.36E-07	3.31E-04	0.00E+00	4.16E-08	3.32E-04	0
Leaf Blowers/Vacuums	D	250	1.18E-02	3.89E-03	1.77E-02	1.18E-07	1.67E-06	4.20E-07	2.20E-09	4.67E-08	1.95E-04	0.00E+00	1.06E-08	1.95E-04	0
Snowblowers	D	175	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	D	250	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Snowblowers	D	500	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
Lawn & Garden Tractors	D	15	1.14E+02	1.70E+02	7.23E+01	8.93E-04	6.28E-03	4.86E-03	1.23E-05	3.51E-04	7.91E-01	0.00E+00	8.06E-05	7.93E-01	263
Lawn & Garden Tractors	D	25	8.95E+01	1.33E+02	8.68E+01	1.18E-03	7.68E-03	3.98E-03	1.21E-05	4.00E-04	9.52E-01	0.00E+00	1.07E-04	9.55E-01	316
Chippers/Stump Grinders	D	25	5.33E-02	6.79E-02	6.22E-02	8.31E-07	5.30E-06	2.81E-06	8.67E-09	2.59E-07	6.83E-04	0.00E+00	7.50E-08	6.85E-04	0
Chippers/Stump Grinders	D	120	1.47E+00	1.87E+00	6.51E+00	1.18E-04	7.87E-04	4.62E-04	8.33E-07	6.31E-05	7.10E-02	0.00E+00	1.07E-05	7.13E-02	24
Chippers/Stump Grinders	D	175	1.01E-01	1.28E-01	7.71E-01	9.28E-06	8.27E-05	4.50E-05	9.50E-08	4.17E-06	8.45E-03	0.00E+00	8.38E-07	8.46E-03	3
Chippers/Stump Grinders	D	250	2.37E-02	3.02E-02	3.04E-01	2.50E-06	3.10E-05	7.92E-06	3.77E-08	9.84E-07	3.35E-03	0.00E+00	2.25E-07	3.36E-03	1
Chippers/Stump Grinders	D	500	2.19E-01	2.79E-01	3.13E+00	2.29E-05	2.87E-04	8.95E-05	3.38E-07	9.39E-06	3.45E-02	0.00E+00	2.07E-06	3.45E-02	11
Chippers/Stump Grinders	D	750	2.49E-01	3.17E-01	8.54E+00	6.46E-05	8.06E-04	2.45E-04	9.47E-07	2.60E-05	9.42E-02	0.00E+00	5.83E-06	9.43E-02	31
Chippers/Stump Grinders	D	1000	4.74E-01	6.03E-01	2.32E+01	2.30E-04	2.87E-03	8.29E-04	2.56E-06	8.25E-05	2.55E-01	0.00E+00	2.07E-05	2.56E-01	85
Commercial Turf Equipment	D	15	2.88E+00	8.42E+00	3.71E+00	4.25E-05	2.99E-04	2.48E-04	6.32E-07	1.41E-05	4.06E-02	0.00E+00	3.83E-06	4.07E-02	13
Commercial Turf Equipment	D	25	5.41E+01	1.58E+02	1.04E+02	1.39E-03	8.78E-03	4.72E-03	1.45E-05	3.96E-04	1.15E+00	0.00E+00	1.25E-04	1.15E+00	380
Other Lawn & Garden Equipment	D	15	4.15E-02	4.92E-02	2.74E-02	3.19E-07	2.25E-06	1.83E-06	4.67E-09	1.16E-07	3.00E-04	0.00E+00	2.88E-08	3.01E-04	0
Other Lawn & Garden Equipment	D	25	5.92E-03	7.03E-03	5.21E-03	6.96E-08	4.44E-07	2.36E-07	7.26E-10	2.17E-08	5.72E-05	0.00E+00	6.28E-09	5.74E-05	0
			75,357	7,538	1,445	0.235	0.062	2.885	0.000	0.008	8.965	0.006	0.014	11.145	3,690
						lbs/day					Tons/Day				MTons/Year
			8,185	819	157	51	14	627	0	2	1	0	0	1	**401**
As a percent of 2010 Total Population					9,818,605		1,066,415	Percent	11%						

SOURCE: U.S. Census Bureau, 2010.

Recreational						Tons/Day									MTons/Year
Equipment	**Fuel**	**MaxHP**	**Population**	**Activity**	**Consumption**	**ROG Exhaust**	**NOX Exhaust**	**CO Exhaust**	**SO2 Exhaust**	**PM Exhaust**	**CO2 Exhaust**	**N2O Exhaust**	**CH4 Exhaust**	**CO2e**	**CO2e**
Off-Road Motorcycles Inactive	G2	15	2.13E+01	7.87E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Off-Road Motorcycles Inactive	G2	25	1.83E+01	6.78E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Off-Road Motorcycles Inactive	G2	50	1.49E+02	5.52E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Off-Road Motorcycles Inactive	G2	120	7.13E+01	2.64E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Snowmobiles Inactive	G2	25	2.25E-01	3.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Snowmobiles Inactive	G2	50	1.06E+00	1.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Snowmobiles Inactive	G2	120	1.93E+00	3.04E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
All Terrain Vehicles (ATVs) Inac	G2	15	1.93E+01	7.13E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
All Terrain Vehicles (ATVs) Inac	G2	25	1.25E+01	4.64E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
All Terrain Vehicles (ATVs) Inac	G2	50	1.65E+01	6.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Off-Road Motorcycles Inactive	G4	15	4.15E+01	1.54E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Off-Road Motorcycles Inactive	G4	25	6.69E+01	2.48E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Off-Road Motorcycles Inactive	G4	50	6.97E+01	2.58E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
All Terrain Vehicles (ATVs) Inac	G4	15	1.57E+01	5.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
All Terrain Vehicles (ATVs) Inac	G4	25	2.19E+02	8.09E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
All Terrain Vehicles (ATVs) Inac	G4	50	9.87E+00	3.65E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Off-Road Motorcycles Active	G2	15	5.31E+01	1.97E+02	7.45E+00	7.50E-03	2.29E-06	1.17E-02	2.02E-05	9.10E-05	2.49E-02	8.41E-06	4.66E-04		0
Off-Road Motorcycles Active	G2	25	4.57E+01	1.69E+02	6.41E+00	6.45E-03	1.97E-06	1.01E-02	3.24E-05	7.83E-05	2.14E-02	7.24E-06	4.01E-04		0
Off-Road Motorcycles Active	G2	50	3.72E+02	1.38E+03	5.22E+01	5.25E-02	1.60E-05	8.21E-02	4.17E-04	6.37E-04	1.74E-01	5.89E-05	3.27E-03		0
Off-Road Motorcycles Active	G2	120	1.78E+02	6.59E+02	2.50E+01	2.51E-02	7.66E-06	3.93E-02	2.94E-04	3.05E-04	8.34E-02	2.82E-05	1.56E-03		0
Snowmobiles Active	G2	25	6.46E-01	1.02E-01	1.14E-01	9.55E-05	1.71E-06	2.62E-04	5.71E-09	2.69E-06	3.28E-04	2.09E-07	5.94E-06		0
Snowmobiles Active	G2	50	3.05E+00	4.80E-01	1.02E+00	8.56E-04	1.53E-05	2.34E-03	5.11E-08	2.41E-05	2.93E-03	1.39E-06	5.32E-05		0
Snowmobiles Active	G2	120	5.54E+00	8.73E-01	2.81E+00	2.17E-03	5.99E-05	6.19E-03	1.59E-07	6.90E-05	9.13E-03	3.82E-06	1.35E-04		0
All Terrain Vehicles (ATVs) Acti	G2	15	6.34E+01	2.35E+02	8.90E+00	8.96E-03	2.73E-06	1.40E-02	2.97E-05	1.09E-04	2.97E-02	1.00E-05	5.57E-04		0
All Terrain Vehicles (ATVs) Acti	G2	25	4.13E+01	1.53E+02	5.79E+00	5.83E-03	1.78E-06	9.12E-03	2.64E-05	7.08E-05	1.94E-02	6.54E-06	3.63E-04		0
All Terrain Vehicles (ATVs) Acti	G2	50	5.43E+01	2.01E+02	7.62E+00	7.68E-03	2.34E-06	1.20E-02	4.56E-05	9.31E-05	2.55E-02	8.61E-06	4.77E-04		0
Golf Carts	G2	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Specialty Vehicles Carts	G2	15	8.24E+01	1.50E+01	5.52E+00	2.01E-04	1.54E-04	1.51E-02	1.19E-06	1.08E-05	2.88E-02	2.38E-05	1.25E-05		0
Off-Road Motorcycles Active	G4	15	1.04E+02	3.83E+02	7.16E+00	5.17E-04	2.31E-04	1.18E-02	3.93E-05	2.54E-05	4.85E-02	1.31E-04	2.89E-05		0
Off-Road Motorcycles Active	G4	25	1.67E+02	6.18E+02	1.16E+01	8.34E-04	3.72E-04	1.91E-02	1.18E-04	4.09E-05	7.83E-02	2.11E-04	4.67E-05		0
Off-Road Motorcycles Active	G4	50	1.74E+02	6.44E+02	1.20E+01	8.69E-04	3.88E-04	1.99E-02	1.95E-04	4.26E-05	8.16E-02	2.20E-04	4.86E-05		0
All Terrain Vehicles (ATVs) Acti	G4	15	5.17E+01	1.92E+02	3.60E+00	2.69E-04	1.51E-04	6.04E-03	2.42E-05	1.27E-05	2.43E-02	7.53E-05	1.51E-05		0
All Terrain Vehicles (ATVs) Acti	G4	25	7.20E+02	2.67E+03	5.01E+01	3.74E-03	2.10E-03	8.40E-02	4.61E-04	1.76E-04	3.38E-01	1.05E-03	2.09E-04		0
All Terrain Vehicles (ATVs) Acti	G4	50	3.25E+01	1.20E+02	2.26E+00	1.69E-04	9.46E-05	3.79E-03	2.73E-05	7.96E-06	1.52E-02	4.73E-05	9.45E-06		0
Minibikes	G4	5	3.47E+01	1.31E+01	3.03E+00	1.99E-03	4.82E-05	1.27E-02	5.31E-07	5.29E-05	1.66E-03	1.17E-05	1.12E-04		0
Golf Carts	G4	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0
Specialty Vehicles Carts	G4	5	2.55E+00	4.64E-01	1.23E-01	9.27E-06	2.29E-06	3.26E-04	2.20E-08	1.51E-06	6.37E-04	4.86E-07	5.24E-07		0
Specialty Vehicles Carts	G4	15	3.46E+01	6.29E+00	2.45E+00	9.28E-05	6.77E-05	7.15E-03	3.45E-07	4.55E-06	1.21E-02	1.00E-05	5.25E-06		0
Specialty Vehicles Carts	G4	25	1.90E+01	3.46E+00	3.77E+00	1.42E-04	9.68E-05	1.13E-02	4.57E-07	6.78E-06	1.80E-02	9.14E-06	8.04E-06		0
			2,972	10,358	219	0.126	0.004	0.378	0.002	0.002	1.038	0.002	0.008	0.000	0
			Population	**Activity**	**Consumption**	**lbs/day**					Tons/Day				MTons/Year
			323	1,125	24	27	1	82	0	0	0	0	0	0	**0**
As a percent of 2010 Total Population					9,818,605		1,066,415	Percent		11%					

SOURCE: U.S. Census Bureau, 2010.

Light Commercial

			Tons/Day												MTons/Year
Equipment	**Fuel**	**MaxHP**	**Population**	**Activity**	**Consumption**	**ROG Exhaust**	**NOX Exhaust**	**CO Exhaust**	**SO2 Exhaust**	**PM Exhaust**	**CO2 Exhaust**	**N2O Exhaust**	**CH4 Exhaust**	**CO2e**	**CO2e**
Generator Sets	G2	2	1.35E+01	4.98E+00	3.31E-01	9.77E-05	1.27E-05	7.76E-04	6.60E-08	6.70E-06	1.60E-03	3.69E-06	6.07E-06	2.87E-03	1
Generator Sets	G2	2	1.06E+01	2.63E+00	1.87E-01	6.51E-05	6.53E-06	4.51E-04	3.49E-08	3.84E-06	8.46E-04	1.92E-06	4.05E-06	1.53E-03	1
Generator Sets	G2	15	1.36E-01	5.02E-02	2.91E-02	2.44E-06	1.16E-06	8.04E-05	5.99E-09	8.95E-08	1.45E-04	1.22E-07	1.52E-07	1.87E-04	0
Generator Sets	G2	15	1.04E-01	2.57E-02	1.62E-02	3.08E-06	5.46E-07	4.48E-05	3.07E-09	1.17E-07	7.45E-05	5.91E-08	1.92E-07	9.68E-05	0
Pumps	G2	2	5.38E+01	3.80E+01	2.09E+00	3.45E-04	1.04E-04	4.08E-03	5.11E-07	4.41E-05	1.24E-02	2.95E-05	2.15E-05	2.20E-02	7
Pumps	G2	2	4.22E+01	2.01E+01	1.30E+00	3.51E-04	5.24E-05	2.97E-03	2.70E-07	2.65E-05	6.55E-03	1.51E-05	2.18E-05	1.17E-02	4
Pumps	G2	15	1.45E+01	1.02E+01	5.25E+00	3.58E-04	2.52E-04	1.43E-02	1.10E-06	2.24E-04	2.68E-02	2.60E-05	2.22E-05	3.53E-02	12
Pumps	G2	15	1.14E+01	5.41E+00	2.94E+00	3.92E-04	1.24E-04	8.09E-03	5.82E-07	1.19E-04	1.41E-02	1.31E-05	2.44E-05	1.87E-02	6
Pumps	G2	25	1.75E-01	1.24E-01	1.37E-01	9.11E-06	6.08E-06	3.83E-04	2.83E-08	5.77E-06	6.88E-04	4.54E-07	5.66E-07	8.41E-04	0
Pumps	G2	25	1.36E-01	6.48E-02	7.30E-02	5.80E-06	3.04E-06	2.05E-04	1.48E-08	3.02E-06	3.60E-04	2.31E-07	3.61E-07	4.39E-04	0
Generator Sets	G4	5	1.78E+02	6.53E+01	1.73E+01	3.44E-03	7.11E-04	4.46E-02	2.90E-06	2.89E-04	8.41E-02	1.03E-04	1.95E-04	1.20E-01	40
Generator Sets	G4	5	1.40E+02	3.45E+01	9.56E+00	1.97E-03	3.70E-04	2.57E-02	1.53E-06	1.51E-04	4.44E-02	5.39E-05	1.11E-04	6.35E-02	21
Generator Sets	G4	15	4.88E+02	1.79E+02	1.11E+02	9.18E-03	4.92E-03	3.28E-01	1.48E-05	2.72E-04	5.20E-01	4.65E-04	5.19E-04	6.75E-01	223
Generator Sets	G4	15	3.83E+02	9.48E+01	6.16E+01	6.30E-03	2.43E-03	1.88E-01	7.83E-06	1.43E-04	2.75E-01	2.37E-04	3.57E-04	3.56E-01	118
Generator Sets	G4	25	2.62E+02	9.64E+01	1.28E+02	1.01E-02	5.19E-03	3.86E-01	1.49E-05	3.09E-04	5.89E-01	3.58E-04	5.72E-04	7.13E-01	236
Generator Sets	G4	25	2.06E+02	5.09E+01	7.00E+01	6.60E-03	2.50E-03	2.15E-01	7.90E-06	1.62E-04	3.12E-01	1.80E-04	3.73E-04	3.75E-01	124
Generator Sets	G4	50	8.72E+01	2.75E+01	6.27E+01	1.70E-03	3.30E-03	5.28E-02	6.27E-06	3.95E-05	5.16E-01	1.49E-04	9.63E-05	5.64E-01	187
Generator Sets	G4	120	1.68E+01	5.30E+00	2.84E+01	5.48E-04	2.30E-03	1.08E-02	2.47E-06	1.98E-05	2.55E-01	5.64E-05	3.10E-05	2.74E-01	91
Generator Sets	G4	175	1.59E+00	5.01E-01	4.51E+00	5.17E-05	4.13E-04	1.28E-03	4.10E-07	3.29E-06	4.13E-02	7.50E-06	2.92E-06	4.37E-02	14
Pumps	G4	5	6.30E+01	4.45E+01	7.77E+00	1.37E-03	5.01E-04	1.67E-02	1.51E-06	4.87E-05	4.36E-02	7.24E-05	7.75E-05	6.77E-02	22
Pumps	G4	5	4.95E+01	2.35E+01	4.75E+00	9.80E-04	2.40E-04	1.21E-02	7.96E-07	6.09E-05	2.30E-02	3.61E-05	5.54E-05	3.54E-02	12
Pumps	G4	15	6.83E+01	4.82E+01	2.64E+01	2.19E-03	1.42E-03	7.68E-02	3.59E-06	1.06E-03	1.26E-01	1.31E-04	1.24E-04	1.69E-01	56
Pumps	G4	15	5.36E+01	2.55E+01	1.45E+01	1.39E-03	6.97E-04	4.34E-02	1.90E-06	5.42E-04	6.66E-02	6.64E-05	7.85E-05	8.88E-02	29
Pumps	G4	25	1.75E+01	1.24E+01	1.46E+01	1.14E-03	7.25E-04	4.32E-02	1.74E-06	5.75E-04	6.86E-02	4.85E-05	6.46E-05	8.50E-02	28
Pumps	G4	25	1.37E+01	6.53E+00	7.82E+00	6.52E-04	3.62E-04	2.34E-02	9.18E-07	3.02E-04	3.62E-02	2.48E-05	3.69E-05	4.47E-02	15
Pumps	G4	50	6.97E+00	4.22E+00	9.55E+00	2.88E-04	4.91E-04	8.42E-03	9.47E-07	5.96E-06	7.79E-02	2.21E-05	1.63E-05	8.51E-02	28
Pumps	G4	120	8.84E+00	5.34E+00	3.27E+01	7.04E-04	2.53E-03	1.28E-02	2.83E-06	2.27E-05	2.93E-01	5.59E-05	3.98E-05	3.11E-01	103
Pumps	G4	175	2.66E-01	1.61E-01	1.45E+00	1.76E-05	1.31E-04	4.32E-04	1.32E-07	1.06E-06	1.33E-02	2.24E-06	9.94E-07	1.40E-02	5
Air Compressors	G4	5	2.28E+01	3.52E+01	7.75E+00	1.25E-03	5.61E-04	1.48E-02	1.61E-06	1.52E-05	4.67E-02	6.90E-05	7.06E-05	6.95E-02	23
Air Compressors	G4	5	1.79E+01	1.86E+01	4.09E+00	6.60E-04	2.96E-04	7.82E-03	8.52E-07	8.04E-06	2.47E-02	3.64E-05	3.73E-05	3.67E-02	12
Air Compressors	G4	15	1.15E+01	1.78E+01	6.84E+00	5.37E-04	3.96E-04	1.96E-02	9.43E-07	2.77E-04	3.31E-02	4.17E-05	3.03E-05	4.66E-02	15
Air Compressors	G4	15	9.05E+00	9.42E+00	3.61E+00	2.77E-04	2.04E-04	1.04E-02	4.98E-07	1.47E-04	1.75E-02	2.18E-05	1.56E-05	2.46E-02	8
Air Compressors	G4	25	1.55E+00	2.40E+00	2.31E+00	1.86E-04	1.20E-04	6.82E-03	2.74E-07	9.08E-05	1.08E-02	8.66E-06	1.05E-05	1.37E-02	5
Air Compressors	G4	25	1.22E+00	1.27E+00	1.22E+00	9.74E-05	6.18E-05	3.61E-03	1.45E-07	4.80E-05	5.73E-03	4.52E-06	5.50E-06	7.24E-03	2
Air Compressors	G4	50	2.65E+00	3.51E+00	7.63E+00	3.14E-04	4.36E-04	8.28E-03	7.22E-07	4.55E-06	5.94E-02	1.94E-05	1.77E-05	6.58E-02	22
Air Compressors	G4	120	8.60E+00	1.14E+01	4.37E+01	1.35E-03	3.85E-03	2.24E-02	3.68E-06	2.95E-05	3.81E-01	1.03E-04	7.61E-05	4.15E-01	137
Air Compressors	G4	175	5.78E-01	7.66E-01	5.25E+00	7.90E-05	5.58E-04	1.66E-03	4.74E-07	3.80E-06	4.77E-02	1.04E-05	4.46E-06	5.10E-02	17
Welders	G4	15	4.45E+01	2.53E+01	1.49E+01	1.50E-03	6.96E-04	4.48E-02	1.92E-06	5.41E-04	6.73E-02	6.61E-05	8.50E-05	8.96E-02	30
Welders	G4	25	1.61E+02	9.16E+01	8.20E+01	7.25E-03	3.71E-03	2.47E-01	9.52E-06	3.10E-03	3.76E-01	2.94E-04	4.10E-04	4.75E-01	157
Welders	G4	50	1.39E+01	7.88E+00	1.93E+01	6.41E-04	1.09E-03	1.74E-02	1.90E-06	1.20E-05	1.56E-01	4.58E-05	3.62E-05	1.71E-01	57
Welders	G4	120	1.41E+01	8.05E+00	2.75E+01	6.68E-04	2.40E-03	1.15E-02	2.37E-06	1.90E-05	2.45E-01	6.76E-05	3.78E-05	2.67E-01	88
Welders	G4	175	9.75E-01	5.55E-01	3.34E+00	4.49E-05	3.41E-04	9.76E-04	3.03E-07	2.43E-06	3.05E-02	6.84E-06	2.54E-06	3.27E-02	11
Pressure Washers	G4	5	4.77E+01	1.75E+01	6.51E+00	1.09E-03	3.02E-04	1.49E-02	1.22E-06	1.20E-04	3.53E-02	3.52E-05	6.18E-05	4.75E-02	16
Pressure Washers	G4	5	3.75E+01	9.27E+00	3.95E+00	7.91E-04	1.55E-04	1.05E-02	6.44E-07	6.30E-05	1.87E-02	1.84E-05	4.47E-05	2.53E-02	8
Pressure Washers	G4	15	4.26E+01	1.56E+01	9.41E+00	7.78E-04	4.17E-04	2.78E-02	1.26E-06	2.31E-05	4.41E-02	4.00E-05	4.40E-05	5.74E-02	19
Pressure Washers	G4	15	3.34E+01	8.27E+00	5.22E+00	5.35E-04	2.06E-04	1.60E-02	6.64E-07	1.21E-05	2.33E-02	2.04E-05	3.02E-05	3.03E-02	10
Pressure Washers	G4	25	7.99E+00	2.94E+00	4.57E+00	3.41E-04	1.92E-04	1.37E-02	5.40E-07	1.11E-05	2.13E-02	1.21E-05	1.93E-05	2.54E-02	8
Pressure Washers	G4	25	6.28E+00	1.55E+00	2.51E+00	2.30E-04	9.02E-05	7.72E-03	2.85E-07	5.81E-06	1.12E-02	6.00E-06	1.30E-05	1.34E-02	4
Pressure Washers	G4	50	7.80E-01	2.45E-01	6.31E-01	1.74E-05	3.22E-05	5.12E-04	6.35E-08	4.00E-07	5.22E-03	1.36E-06	9.83E-07	5.67E-03	2
Generator Sets	C4	120	1.25E+00	3.95E-01	2.48E+00	2.18E-06	1.44E-04	5.18E-04	0.00E+00	1.47E-06	1.66E-02	0.00E+00	1.83E-05	1.69E-02	6
Generator Sets	C4	175	1.04E+00	3.27E-01	3.58E+00	2.53E-06	2.10E-04	6.21E-04	0.00E+00	2.15E-06	2.42E-02	0.00E+00	2.12E-05	2.46E-02	8
Gas Compressors	C4	50	1.95E-01	4.54E+00	1.55E+01	8.82E-06	3.20E-04	1.56E-03	0.00E+00	8.16E-06	1.07E-01	0.00E+00	7.39E-05	1.08E-01	36
Gas Compressors	C4	120	4.03E-01	9.38E+00	9.08E+01	4.81E-05	1.90E-03	2.50E-02	0.00E+00	4.64E-05	5.99E-01	0.00E+00	4.03E-04	6.07E-01	201
Gas Compressors	C4	175	6.50E-02	1.51E+00	2.33E+01	1.34E-05	5.07E-04	5.09E-03	0.00E+00	1.24E-05	1.56E-01	0.00E+00	1.12E-04	1.58E-01	52
Gas Compressors	C4	250	5.20E-02	1.21E+00	2.42E+01	1.03E-05	4.91E-04	5.86E-03	0.00E+00	1.43E-05	1.61E-01	0.00E+00	8.65E-05	1.62E-01	54
Gas Compressors	C4	500	4.55E-02	1.06E+00	3.40E+01	1.45E-05	6.92E-04	8.25E-03	0.00E+00	2.01E-05	2.26E-01	0.00E+00	1.22E-04	2.29E-01	76
Generator Sets	D	15	3.30E+01	3.06E+01	1.43E+01	2.50E-04	1.68E-03	1.08E-03	2.43E-06	9.99E-05	1.56E-01	0.00E+00	2.25E-05	1.56E-01	52
Generator Sets	D	25	2.42E+01	2.24E+01	1.80E+01	3.20E-04	1.86E-03	1.10E-03	2.50E-06	1.14E-04	1.97E-01	0.00E+00	2.89E-05	1.98E-01	65
Generator Sets	D	50	2.95E+01	2.73E+01	3.87E+01	1.37E-03	4.09E-03	3.76E-03	5.40E-06	3.62E-04	4.18E-01	0.00E+00	1.24E-04	4.20E-01	139
Generator Sets	D	120	4.49E+01	4.15E+01	1.48E+02	2.66E-03	1.79E-02	1.03E-02	1.89E-05	1.38E-03	1.62E+00	0.00E+00	2.40E-04	1.62E+00	537
Generator Sets	D	175	2.65E+00	2.45E+00	1.59E+01	1.88E-04	1.71E-03	9.06E-04	1.96E-06	8.26E-05	1.74E-01	0.00E+00	1.69E-05	1.74E-01	58
Generator Sets	D	250	1.48E+00	1.37E+00	1.32E+01	1.02E-04	1.34E-03	3.27E-04	1.64E-06	3.96E-05	1.45E-01	0.00E+00	9.18E-06	1.46E-01	48
Generator Sets	D	500	3.29E+00	3.05E+00	4.65E+01	3.20E-04	4.27E-03	1.27E-03	5.03E-06	1.31E-04	5.13E-01	0.00E+00	2.89E-05	5.13E-01	170
Generator Sets	D	750	2.05E+00	1.89E+00	4.66E+01	3.32E-04	4.41E-03	1.27E-03	5.17E-06	1.33E-04	5.14E-01	0.00E+00	3.00E-05	5.15E-01	170
Generator Sets	D	9999	5.33E-01	4.93E-01	2.34E+01	2.28E-04	2.87E-03	8.10E-04	2.60E-06	8.23E-05	2.58E-01	0.00E+00	2.06E-05	2.59E-01	86
Pumps	D	15	2.48E+01	2.74E+01	9.31E+00	1.90E-04	1.12E-03	7.05E-04	1.58E-06	7.92E-05	1.02E-01	0.00E+00	1.71E-05	1.02E-01	34
Pumps	D	25	7.41E+00	8.18E+00	7.29E+00	1.66E-04	7.51E-04	4.43E-04	1.01E-06	5.09E-05	7.96E-02	0.00E+00	1.50E-05	7.99E-02	26
Pumps	D	50	1.29E+01	1.43E+01	2.27E+01	8.59E-04	2.42E-03	2.31E-03	3.16E-06	2.21E-04	2.44E-01	0.00E+00	7.75E-05	2.46E-01	81
Pumps	D	120	2.53E+01	2.79E+01	9.97E+01	1.85E-03	1.22E-02	7.05E-03	1.28E-05	9.71E-04	1.09E+00	0.00E+00	1.67E-04	1.09E+00	361
Pumps	D	175	2.74E+00	3.02E+00	1.93E+01	2.36E-04	2.11E-03	1.12E-03	2.38E-06	1.05E-04	2.12E-01	0.00E+00	2.13E-05	2.12E-01	70
Pumps	D	250	1.98E+00	2.18E+00	1.99E+01	1.59E-04	2.05E-03	5.02E-04	2.47E-06	6.19E-05	2.19E-01	0.00E+00	1.44E-05	2.19E-01	73
Pumps	D	500	3.90E-02	4.30E-02	6.72E-01	4.80E-06	6.25E-05	1.89E-05	7.28E-08	1.95E-06	7.41E-03	0.00E+00	4.33E-07	7.42E-03	2
Pumps	D	750	6.50E-03	7.17E-03	1.85E-01	1.37E-06	1.77E-05	5.21E-06	2.05E-08	5.47E-07	2.04E-03	0.00E+00	1.23E-07	2.05E-03	1
Pumps	D	9999	1.43E-01	1.58E-01	9.69E+00	9.60E-05	1.20E-03	3.45E-04	1.07E-06	3.45E-05	1.07E-01	0.00E+00	8.66E-06	1.07E-01	35
Air Compressors	D	15	3.38E-01	7.54E-01	2.49E-01	5.09E-06	3.00E-05	1.89E-05	4.23E-08	2.12E-06	2.72E-03	0.00E+00	4.59E-07	2.73E-03	1
Air Compressors	D	25	6.69E-01	1.49E+00	9.87E-01	2.25E-05	1.02E-04	6.00E-05	1.37E-07	6.89E-06	1.08E-02	0.00E+00	2.03E-06	1.08E-02	4
Air Compressors	D	50	6.08E+00	1.36E+01	1.41E+01	7.09E-04	1.57E-03	1.79E-03	1.95E-06	1.67E-04	1.51E-01	0.00E+00	6.39E-05	1.52E-01	50
Air Compressors	D	120	4.05E+01	9.03E+01	1.94E+02	4.20E-03	2.55E-02	1.48E-02	2.49E-05	2.29E-03	2.12E+00	0.00E+00	3.79E-04	2.13E+00	704
Air Compressors	D	175	1.53E+00	3.42E+00	1.38E+01	1.99E-04	1.62E-03	8.60E-04	1.70E-06	9.02E-05	1.51E-01	0.00E+00	1.80E-05	1.52E-01	50
Air Compressors	D	250	2.16E+00	4.81E+00	2.86E+01	2.71E-04	3.16E-03	7.78E-04	3.55E-06	1.03E-04	3.15E-01	0.00E+00	2.45E-05	3.16E-01	105
Air Compressors	D	500	2.81E+00	6.27E+00	6.59E+01	5.61E-04	6.46E-03	1.98E-03	7.13E-06	2.19E-04	7.26E-01	0.00E+00	5.06E-05	7.27E-01	241
Air Compressors	D	750	1.05E+00	2.35E+00	3.81E+01	3.30E-04	3.85E-03	1.15E-03	4.22E-06	1.29E-04	4.20E-01	0.00E+00	2.98E-05	4.21E-01	139
Air Compressors	D	1000	2.60E-02	5.80E-02	1.28E+00	1.39E-05	1.67E-04	4.89E-05	1.42E-07	4.88E-06	1.41E-02	0.00E+00	1.25E-06	1.41E-02	5
Welders	D	15	1.12E+01	1.97E+01	5.62E+00	1.15E-04	6.76E-04	4.25E-04	9.53E-07	4.78E-05	6.12E-02	0.00E+00	1.03E-05	6.14E-02	20
Welders	D	25	9.88E+00	1.74E+01	8.98E+00	2.04E-04	9.24E-04	5.46E-04	1.24E-06	6.27E-05	9.80E-02	0.00E+00	1.84E-05	9.84E-02	33
Welders	D	50	3.04E+01	5.35E+01	6.46E+01	2.95E-03	7.10E-03	7.60E-03	8.97E-06	7.14E-04	6.94E-01	0.00E+00	2.67E-04	6.99E-01	231
Welders	D	120	2.36E+01	4.15E+01	7.52E+01	1.54E-03	9.63E-03	5.57E-03	9.61E-06	8.27E-04	8.20E-01	0.00E+00	1.39E-04	8.23E-01	272
Welders	D	175	1.17E-01	2.06E-01	9.22E-01	1.25E-05	1.05E-04	5.59E-05	1.14E-07	5.63E-06	1.01E-02	0.00E+00	1.13E-06	1.01E-02	3
Welders	D	250	2.60E-02	4.57E-02	2.47E-01	2.21E-06	2.66E-05	6.55E-06	3.06E-08	8.50E-07	2.72E-03	0.00E+00	1.99E-07	2.72E-03	1
Welders	D	500	6.50E-02	1.14E-01	8.68E-01	6.95E-06	8.35E-05	2.57E-05	9.40E-08	2.77E-06	9.57E-03	0.00E+00	6.27E-07	9.59E-03	3
Pressure Washers	D	15	1.53E+00	6.08E-01	1.36E-01	2.38E-06	1.60E-05	1.03E-05	2.31E-08	9.53E-07	1.49E-03	0.00E+00	2.15E-07	1.49E-03	0
Pressure Washers	D	25	3.57E-01	1.42E-01	4.63E-02	8.23E-07	4.78E-06	2.82E-06	6.42E-09	2.93E-07	5.06E-04	0.00E+00	7.43E-08	5.08E-04	0
Pressure Washers	D	50	7.08E-01	2.81E-01	1.85E-01	5.26E-06	1.91E-05	1.54E-05	2.59E-08	1.52E-06	2.01E-03	0.00E+00	4.74E-07	2.02E-03	1
Pressure Washers	D	120	2.92E-01	1.16E-01	1.28E-01	2.07E-06	1.48E-05	8.51E-06	1.64E-08	1.05E-06	1.40E-03	0.00E+00	1.87E-07	1.40E-03	0
			3,030	1,585	2,148	0.090	0.173	2.145	0.000	0.018	18.059	0.003	0.007	19.155	6,343
			Population	**Activity**	**Consumption**	**lbs/day**					Tons/Day				MTons/Year
			192	100	136	11	22	272	0	2	1	0	0	1	**401**

As a percent of 2010 Total Employment 3,991,725 252,660 Percent 6.3%

SOURCE: U.S. Census Bureau. 2010. Longitudinal Employer-Household Dynamics. http://lehd.ces.census.gov/ for the County.

Industrial						Tons/Day									MTons/Year
Equipment	**Fuel**	**MaxHP**	**Population**	**Activity**	**Consumption**	**ROG Exhaust**	**NOX Exhaust**	**CO Exhaust**	**SO2 Exhaust**	**PM Exhaust**	**CO2 Exhaust**	**N2O Exhaust**	**CH4 Exhaust**	**CO2e**	**CO2e**
Other General Industrial Equip	G2	15	4.06E-01	4.17E-01	1.64E-01	7.45E-06	5.61E-06	4.46E-04	3.51E-08	3.97E-07	8.53E-04	7.67E-07	4.63E-07	1.10E-03	0
Aerial Lifts	G4	15	7.83E-02	8.06E-02	4.70E-02	3.52E-06	2.60E-06	1.35E-04	6.50E-09	1.91E-06	2.28E-04	2.30E-07	1.99E-07	3.04E-04	0
Aerial Lifts	G4	25	3.34E+00	3.44E+00	3.02E+00	2.37E-04	1.53E-04	8.93E-03	3.60E-07	1.19E-04	1.42E-02	1.17E-05	1.34E-05	1.81E-02	6
Aerial Lifts	G4	50	4.08E+00	4.04E+00	6.45E+00	1.31E-04	2.19E-04	5.56E-03	6.44E-07	4.06E-06	5.30E-02	1.41E-05	7.43E-06	5.75E-02	19
Aerial Lifts	G4	120	4.08E+00	4.04E+00	1.17E+01	1.51E-04	5.14E-04	3.67E-03	1.03E-06	8.24E-06	1.06E-01	2.04E-05	8.54E-06	1.13E-01	37
Forklifts	G4	25	7.83E-02	1.93E-01	1.33E-01	7.19E-06	5.48E-06	3.99E-04	1.60E-08	3.53E-07	6.32E-04	5.14E-07	4.04E-07	7.99E-04	0
Forklifts	G4	50	1.36E+01	6.72E+01	1.07E+02	2.60E-03	4.79E-03	1.95E-01	8.68E-06	5.47E-05	7.14E-01	2.81E-04	1.44E-04	8.04E-01	266
Forklifts	G4	120	4.78E+01	2.36E+02	4.96E+02	7.85E-03	2.42E-02	3.39E-01	4.09E-05	3.28E-04	4.23E+00	1.19E-03	4.35E-04	4.61E+00	1,525
Forklifts	G4	175	1.75E+00	8.62E+00	3.48E+01	3.68E-04	1.84E-03	1.31E-02	3.11E-06	2.50E-05	3.14E-01	6.41E-05	2.04E-05	3.34E-01	111
Sweepers/Scrubbers	G4	15	2.27E+00	1.68E+00	9.23E-01	4.75E-05	3.40E-05	2.67E-03	1.29E-07	2.29E-06	4.52E-03	3.74E-06	2.69E-06	5.74E-03	2
Sweepers/Scrubbers	G4	25	2.22E+00	1.64E+00	2.09E+00	1.11E-04	8.18E-05	6.23E-03	2.52E-07	5.19E-06	9.93E-03	5.89E-06	6.29E-06	1.19E-02	4
Sweepers/Scrubbers	G4	50	3.80E+00	5.37E+00	1.41E+01	1.96E-04	3.88E-04	1.30E-02	1.40E-06	8.83E-06	1.15E-01	2.30E-05	1.10E-05	1.23E-01	41
Sweepers/Scrubbers	G4	120	3.17E+00	4.49E+00	2.02E+01	1.41E-04	6.74E-04	5.87E-03	1.79E-06	1.43E-05	1.85E-01	2.82E-05	7.99E-06	1.94E-01	64
Sweepers/Scrubbers	G4	175	1.84E-02	2.61E-02	2.35E-01	1.11E-06	8.40E-06	7.26E-05	2.14E-08	1.71E-07	2.15E-03	2.47E-07	6.28E-08	2.23E-03	1
Other General Industrial Equip	G4	15	4.50E+00	4.63E+00	1.93E+00	1.04E-04	7.45E-05	5.60E-03	2.70E-07	5.02E-06	9.47E-03	9.12E-06	5.90E-06	1.24E-02	4
Other General Industrial Equip	G4	25	1.47E+00	1.74E+00	1.69E+00	9.34E-05	6.95E-05	5.03E-03	2.03E-07	4.38E-06	8.00E-03	5.56E-06	5.28E-06	9.83E-03	3
Other General Industrial Equip	G4	50	1.30E+00	2.55E+00	4.56E+00	7.87E-05	1.50E-04	5.12E-03	4.34E-07	2.73E-06	3.57E-02	9.70E-06	4.43E-06	3.88E-02	13
Other General Industrial Equip	G4	120	4.29E-01	8.38E-01	3.38E+00	3.32E-05	1.34E-04	1.28E-03	2.95E-07	2.36E-06	3.05E-02	5.36E-06	1.87E-06	3.22E-02	11
Other General Industrial Equip	G4	175	4.15E-02	8.11E-02	6.94E-01	4.41E-06	2.95E-05	2.22E-04	6.28E-08	5.04E-07	6.33E-03	8.08E-07	2.49E-07	6.58E-03	2
Other Material Handling Equip	G4	50	1.84E-02	1.95E-02	4.69E-02	1.62E-06	2.55E-06	5.10E-05	4.45E-09	2.80E-08	3.66E-04	1.12E-07	9.15E-08	4.03E-04	0
Other Material Handling Equip	G4	120	8.16E-01	8.63E-01	2.40E+00	6.11E-05	1.99E-04	1.16E-03	2.04E-07	1.63E-06	2.11E-02	6.59E-06	3.45E-06	2.32E-02	8
Aerial Lifts	C4	15	9.60E-02	9.87E-02	7.90E-02	1.82E-07	1.94E-06	7.08E-05	0.00E+00	2.01E-07	4.39E-04	0.00E+00	1.53E-06	4.71E-04	0
Aerial Lifts	C4	25	4.12E+00	4.23E+00	5.04E+00	1.74E-05	1.28E-04	4.67E-03	0.00E+00	1.41E-05	2.75E-02	0.00E+00	1.46E-04	3.06E-02	10
Forklifts	C4	25	4.04E-02	1.39E-01	1.36E-01	8.56E-07	3.80E-06	1.36E-04	0.00E+00	4.67E-07	7.11E-04	0.00E+00	7.18E-06	8.62E-04	0
Forklifts	C4	50	2.74E+01	1.35E+02	1.81E+02	1.77E-04	7.77E-03	1.96E-02	0.00E+00	1.10E-04	1.24E+00	0.00E+00	1.49E-03	1.27E+00	420
Forklifts	C4	120	9.61E+01	4.74E+02	1.13E+03	1.09E-03	4.59E-02	3.30E-01	0.00E+00	6.59E-04	7.41E+00	0.00E+00	9.16E-03	7.60E+00	2,516
Forklifts	C4	175	3.52E+00	1.74E+01	8.48E+01	5.68E-05	2.81E-03	1.94E-02	0.00E+00	5.03E-05	5.65E-01	0.00E+00	4.76E-04	5.75E-01	191
Aerial Lifts	D	15	1.94E+00	2.13E+00	8.40E-01	1.10E-05	7.01E-05	5.62E-05	1.43E-07	3.84E-06	9.20E-03	0.00E+00	9.94E-07	9.22E-03	3
Aerial Lifts	D	25	3.18E+00	3.47E+00	1.74E+00	3.42E-05	1.72E-04	9.63E-05	2.41E-07	1.08E-05	1.90E-02	0.00E+00	3.08E-06	1.91E-02	6
Aerial Lifts	D	50	1.16E+01	1.22E+01	1.11E+01	4.14E-04	1.18E-03	1.12E-03	1.55E-06	1.07E-04	1.20E-01	0.00E+00	3.73E-05	1.20E-01	40
Aerial Lifts	D	120	1.03E+01	1.08E+01	1.89E+01	3.47E-04	2.31E-03	1.33E-03	2.42E-06	1.82E-04	2.06E-01	0.00E+00	3.13E-05	2.07E-01	68
Aerial Lifts	D	500	1.32E+00	1.39E+00	1.34E+01	9.48E-05	1.24E-03	3.75E-04	1.45E-06	3.86E-05	1.48E-01	0.00E+00	8.55E-06	1.48E-01	49
Aerial Lifts	D	750	1.06E-01	1.12E-01	1.94E+00	1.43E-05	1.86E-04	5.45E-05	2.16E-07	5.70E-06	2.15E-02	0.00E+00	1.29E-06	2.15E-02	7
Forklifts	D	50	3.52E+00	1.74E+01	1.19E+01	5.38E-04	1.31E-03	1.53E-03	1.64E-06	1.35E-04	1.27E-01	0.00E+00	4.86E-05	1.28E-01	42
Forklifts	D	120	5.52E+00	2.72E+01	3.90E+01	7.74E-04	4.61E-03	3.02E-03	4.98E-06	4.44E-04	4.25E-01	0.00E+00	6.99E-05	4.26E-01	141
Forklifts	D	175	5.54E+00	2.74E+01	7.00E+01	9.56E-04	7.26E-03	4.50E-03	8.62E-06	4.39E-04	7.66E-01	0.00E+00	8.63E-05	7.68E-01	254
Forklifts	D	250	5.50E+00	2.72E+01	9.49E+01	8.52E-04	9.35E-03	2.27E-03	1.18E-05	2.97E-04	1.05E+00	0.00E+00	7.68E-05	1.05E+00	347
Forklifts	D	500	2.35E+00	1.16E+01	5.84E+01	4.87E-04	4.94E-03	1.33E-03	6.32E-06	1.72E-04	6.44E-01	0.00E+00	4.39E-05	6.45E-01	214
Sweepers/Scrubbers	D	15	2.58E-01	4.60E-01	2.50E-01	2.84E-06	2.00E-05	1.67E-05	4.27E-08	7.49E-07	2.74E-03	0.00E+00	2.57E-07	2.75E-03	1
Sweepers/Scrubbers	D	25	2.58E-01	4.60E-01	4.11E-01	5.48E-06	3.50E-05	1.86E-05	5.72E-08	1.71E-06	4.51E-03	0.00E+00	4.95E-07	4.52E-03	1
Sweepers/Scrubbers	D	50	5.03E+00	1.68E+01	2.48E+01	1.16E-03	2.72E-03	3.13E-03	3.43E-06	2.82E-04	2.65E-01	0.00E+00	1.05E-04	2.67E-01	89
Sweepers/Scrubbers	D	120	8.32E+00	2.78E+01	9.57E+01	1.93E-03	1.16E-02	7.30E-03	1.22E-05	1.10E-03	1.04E+00	0.00E+00	1.75E-04	1.05E+00	347
Sweepers/Scrubbers	D	175	3.83E+00	1.28E+01	8.12E+01	1.11E-03	8.70E-03	5.11E-03	1.00E-05	5.15E-04	8.90E-01	0.00E+00	1.00E-04	8.92E-01	295
Sweepers/Scrubbers	D	250	6.13E-01	2.05E+00	1.50E+01	1.30E-04	1.53E-03	3.62E-04	1.87E-06	4.77E-05	1.66E-01	0.00E+00	1.18E-05	1.66E-01	55
Other General Industrial Equip	D	15	6.77E-01	2.65E+00	7.72E-01	8.77E-06	6.16E-05	5.16E-05	1.32E-07	2.31E-06	8.46E-03	0.00E+00	7.91E-07	8.47E-03	3
Other General Industrial Equip	D	25	9.08E-01	3.55E+00	2.48E+00	3.29E-05	2.09E-04	1.12E-04	3.45E-07	9.41E-06	2.72E-02	0.00E+00	2.97E-06	2.73E-02	9
Other General Industrial Equip	D	50	1.12E+00	4.39E+00	4.48E+00	2.55E-04	5.17E-04	6.38E-04	6.17E-07	5.85E-05	4.77E-02	0.00E+00	2.30E-05	4.82E-02	16
Other General Industrial Equip	D	120	4.50E+00	1.76E+01	5.01E+01	1.18E-03	6.83E-03	4.00E-03	6.39E-06	6.51E-04	5.45E-01	0.00E+00	1.07E-04	5.47E-01	181
Other General Industrial Equip	D	175	4.51E+00	1.76E+01	7.73E+01	1.23E-03	9.38E-03	5.06E-03	9.51E-06	5.56E-04	8.45E-01	0.00E+00	1.11E-04	8.47E-01	281
Other General Industrial Equip	D	250	4.49E+00	1.76E+01	1.08E+02	1.14E-03	1.24E-02	3.06E-03	1.34E-05	4.16E-04	1.19E+00	0.00E+00	1.03E-04	1.19E+00	394
Other General Industrial Equip	D	500	4.48E+00	1.75E+01	2.11E+02	2.04E-03	2.12E-02	6.55E-03	2.28E-05	7.50E-04	2.32E+00	0.00E+00	1.84E-04	2.33E+00	771
Other General Industrial Equip	D	750	1.12E+00	4.38E+00	8.68E+01	8.48E-04	9.02E-03	2.69E-03	9.61E-06	3.14E-04	9.56E-01	0.00E+00	7.65E-05	9.58E-01	317
Other General Industrial Equip	D	1000	6.82E-01	2.66E+00	6.77E+01	7.86E-04	9.10E-03	2.66E-03	7.48E-06	2.75E-04	7.44E-01	0.00E+00	7.09E-05	7.46E-01	247
Other Material Handling Equip	D	50	3.23E-02	1.17E-01	1.66E-01	9.34E-06	1.91E-05	2.33E-05	2.28E-08	2.15E-06	1.77E-03	0.00E+00	8.43E-07	1.78E-03	1
Other Material Handling Equip	D	120	1.94E-01	7.00E-01	1.95E+00	4.56E-05	2.65E-04	1.55E-04	2.49E-07	2.51E-05	2.12E-02	0.00E+00	4.12E-06	2.13E-02	7
Other Material Handling Equip	D	175	2.07E-01	7.49E-01	4.18E+00	6.61E-05	5.06E-04	2.72E-04	5.14E-07	2.98E-05	4.57E-02	0.00E+00	5.96E-06	4.58E-02	15
Other Material Handling Equip	D	250	4.93E-01	1.78E+00	1.17E+01	1.22E-04	1.34E-03	3.31E-04	1.45E-06	4.49E-05	1.29E-01	0.00E+00	1.10E-05	1.29E-01	43
Other Material Handling Equip	D	500	9.22E-02	3.33E-01	2.89E+00	2.76E-05	2.91E-04	8.96E-05	3.13E-07	1.02E-05	3.19E-02	0.00E+00	2.49E-06	3.19E-02	11
Other Material Handling Equip	D	9999	2.77E-02	9.99E-02	3.37E+00	3.88E-05	4.51E-04	1.32E-04	3.63E-07	1.36E-05	3.70E-02	0.00E+00	3.50E-06	3.71E-02	12
			319	1,272	3,285	0.030	0.219	1.044	0.000	0.008	27.952	0.002	0.013	28.754	9,521
			Population	**Activity**	**Consumption**	**lbs/day**					Tons/Day				MTons/Year
			20	81	208	4	28	132	0	1	2	0	0	2	**603**
As a percent of 2010 Total Employment					3,991,725		252,660	Percent	6.3%						

SOURCE: U.S. Census Bureau. 2010. Longitudinal Employer-Household Dynamics. http://lehd.ces.census.gov/ for the County.

Entertainment						Tons/Day									MTons/Year
Equipment	**Fuel**	**MaxHP**	**Population**	**Activity**	**Consumption**	**ROG Exhaust**	**NOX Exhaust**	**CO Exhaust**	**SO2 Exhaust**	**PM Exhaust**	**CO2 Exhaust**	**N2O Exhaust**	**CH4 Exhaust**	**CO2e**	**CO2e**
Generator (Entertainment)	D	50	2.01E-02	1.86E-02	3.75E-02	1.44E-06	4.04E-06	3.81E-06	5.23E-09	3.68E-07	4.05E-04	0.00E+00	1.30E-07	4.08E-04	0
Generator (Entertainment)	D	120	4.92E-01	4.55E-01	1.86E+00	3.52E-05	2.34E-04	1.31E-04	2.38E-07	1.81E-05	2.03E-02	0.00E+00	3.17E-06	2.03E-02	7
Generator (Entertainment)	D	175	4.07E-01	3.76E-01	2.56E+00	3.22E-05	2.88E-04	1.48E-04	3.16E-07	1.40E-05	2.81E-02	0.00E+00	2.90E-06	2.81E-02	9
Generator (Entertainment)	D	250	6.28E-01	5.81E-01	5.20E+00	4.49E-05	5.55E-04	1.43E-04	6.45E-07	1.75E-05	5.73E-02	0.00E+00	4.05E-06	5.74E-02	19
Generator (Entertainment)	D	500	9.74E-01	9.01E-01	1.13E+01	8.79E-05	1.10E-03	3.48E-04	1.22E-06	3.54E-05	1.24E-01	0.00E+00	7.93E-06	1.25E-01	41
Generator (Entertainment)	D	750	1.71E-01	1.58E-01	3.89E+00	3.11E-05	3.88E-04	1.20E-04	4.31E-07	1.23E-05	4.28E-02	0.00E+00	2.81E-06	4.29E-02	14
Generator (Entertainment)	D	9999	2.51E-02	2.32E-02	1.02E+00	1.06E-05	1.28E-04	3.87E-05	1.13E-07	3.78E-06	1.12E-02	0.00E+00	9.53E-07	1.12E-02	4
Compressor (Entertainment)	D	120	5.02E-03	1.12E-02	1.79E-02	4.08E-07	2.46E-06	1.39E-06	2.29E-09	2.20E-07	1.95E-04	0.00E+00	3.68E-08	1.96E-04	0
			3	3	26	0.000	0.003	0.001	0.000	0.000	0.285	0.000	0.000	0.285	94
			Population	**Activity**	**Consumption**	**lbs/day**					Tons/Day				MTons/Year
			0	0	2	0	0	0	0	0	0	0	0	0	**6**
As a percent of 2010 Total Employment					3,991,725		252,660	Percent	6.3%						

SOURCE: U.S. Census Bureau. 2010. Longitudinal Employer-Household Dynamics. http://lehd.ces.census.gov/ for the County.

Transport Refrigeration Units (TRUs)

Tons/Day

MTons/Year

Equipment	Fuel	MaxHP	Population	Activity	Consumption	ROG Exhaust	NOX Exhaust	CO Exhaust	SO2 Exhaust	PM Exhaust	CO2 Exhaust	N2O Exhaust	CH4 Exhaust	CO2e	CO2e
Transport Refrigeration Units	G4	15	2.30E+01	4.73E+01	2.75E+01	1.57E-03	1.11E-03	7.98E-02	3.83E-06	7.51E-05	1.34E-01	1.14E-04	8.83E-05		0
Transport Refrigeration Units	D	15	2.48E+01	7.08E+01	2.59E+01	3.29E-04	2.31E-03	1.75E-03	3.60E-06	1.30E-04	2.84E-01	0.00E+00	2.97E-05		0
Transport Refrigeration Units	D	25	9.02E+00	2.57E+01	1.60E+01	2.21E-04	1.44E-03	7.38E-04	2.22E-06	7.55E-05	1.75E-01	0.00E+00	1.99E-05		0
Transport Refrigeration Units	D	50	1.82E+02	7.33E+02	8.75E+02	2.26E-02	8.93E-02	8.80E-02	1.23E-04	7.09E-03	9.49E+00	0.00E+00	2.04E-03		0
			239	876	945	0.025	0.094	0.170	0.000	0.007	10.079	0.000	0.002	0.000	0
			Population	Activity	Consumption	lbs/day					Tons/Day				MTons/Year
			15	55	60	3	12	22	0	1	1	0	0	0	**0**
As a percent of 2010 Total Employment					3,991,725		252,660	Percent		6.3%					

SOURCE: U.S. Census Bureau. 2010. Longitudinal Employer-Household Dynamics. http://lehd.ces.census.gov/ for the County.

Agriculture						Tons/Day									MTons/Year
Equipment	Fuel	MaxHP	Population	Activity	Consumption	ROG Exhaust	NOX Exhaust	CO Exhaust	SO2 Exhaust	PM Exhaust	CO2 Exhaust	N2O Exhaust	CH4 Exhaust	CO2e	CO2e
2-Wheel Tractors	G4	5	0.3599723	1.58E-01	3.26E-02	4.50E-06	2.02E-06	7.13E-05	6.41E-09	6.05E-08	1.86E-04	2.75E-07	2.54E-07	2.76E-04	0
2-Wheel Tractors	G4	15	0.4188893	3.82E-01	1.85E-01	1.39E-05	1.03E-05	5.30E-04	2.55E-08	7.51E-06	8.96E-04	9.90E-07	7.86E-07	1.22E-03	0
2-Wheel Tractors	G4	25	0.01123849	1.02E-02	1.02E-02	7.88E-07	5.10E-07	3.02E-05	1.22E-09	4.03E-07	4.81E-05	3.68E-08	4.45E-08	6.04E-05	0
Agricultural Tractors	G4	120	0.144303	2.18E-01	1.10E+00	3.87E-05	1.06E-04	6.33E-04	9.13E-08	7.32E-07	9.45E-03	2.44E-06	2.19E-06	1.03E-02	3
Agricultural Tractors	G4	175	0.019776	2.98E-02	2.12E-01	3.57E-06	2.50E-05	7.02E-05	1.91E-08	1.53E-07	1.92E-03	4.46E-07	2.02E-07	2.06E-03	1
Combines	G4	120	0.036153	1.24E-02	8.82E-02	1.22E-06	4.78E-06	2.52E-05	7.80E-09	6.25E-08	8.07E-04	1.11E-07	6.88E-08	8.43E-04	0
Combines	G4	175	0.020085	6.89E-03	7.58E-02	6.28E-07	4.65E-06	2.21E-05	6.90E-09	5.53E-08	6.94E-04	8.34E-08	3.55E-08	7.21E-04	0
Combines	G4	250	0.003708	1.27E-03	1.61E-02	1.10E-07	9.01E-07	4.84E-06	1.51E-09	1.21E-08	1.47E-04	1.75E-08	6.22E-09	1.53E-04	0
Balers	G4	50	0.5268449	9.83E-02	1.99E-01	6.20E-06	1.21E-05	1.69E-04	1.99E-08	1.25E-07	1.63E-03	5.36E-07	3.51E-07	1.81E-03	1
Balers	G4	120	0.269448	5.03E-02	1.69E-01	3.84E-06	1.61E-05	6.74E-05	1.46E-08	1.17E-07	1.51E-03	4.44E-07	2.17E-07	1.65E-03	1
Agricultural Mowers	G4	15	0.3739353	1.85E-01	7.12E-02	6.13E-06	3.66E-06	2.09E-04	9.57E-09	2.80E-06	3.36E-04	4.05E-07	3.46E-07	4.69E-04	0
Agricultural Mowers	G4	25	0.3058232	1.51E-01	1.34E-01	1.13E-05	6.16E-06	4.00E-04	1.57E-08	5.16E-06	6.18E-04	4.87E-07	6.40E-07	7.82E-04	0
Sprayers	G4	5	1.418434	3.81E-01	6.40E-02	8.62E-06	3.87E-06	1.42E-04	1.25E-08	1.18E-07	3.61E-04	5.87E-07	4.88E-07	5.53E-04	0
Sprayers	G4	15	0.4413662	1.19E-01	4.53E-02	5.20E-06	1.86E-06	1.41E-04	5.61E-09	1.50E-06	1.97E-04	2.29E-07	2.94E-07	2.74E-04	0
Sprayers	G4	25	1.141899	3.07E-01	2.84E-01	2.99E-05	1.04E-05	8.83E-04	3.13E-08	9.45E-06	1.24E-03	8.94E-07	1.69E-06	1.55E-03	0
Sprayers	G4	50	0.099189	2.18E-02	3.79E-02	1.19E-06	2.29E-06	3.25E-05	3.77E-09	2.38E-08	3.10E-04	1.10E-07	6.76E-08	3.46E-04	0
Sprayers	G4	120	0.167169	3.67E-02	1.19E-01	2.75E-06	1.13E-05	4.81E-05	1.03E-08	8.25E-08	1.07E-03	3.18E-07	1.55E-07	1.17E-03	0
Sprayers	G4	175	0.037698	8.27E-03	5.26E-02	7.30E-07	5.78E-06	1.50E-05	4.78E-09	3.83E-08	4.81E-04	1.11E-07	4.13E-08	5.16E-04	0
Tillers	G4	15	48.27578	9.40E+00	4.99E+00	5.19E-04	1.98E-04	1.53E-02	6.31E-07	1.15E-05	2.21E-02	2.12E-05	2.93E-05	2.93E-02	9
Swathers	G4	120	0.5401319	1.41E-01	6.17E-01	1.44E-05	5.86E-05	2.52E-04	5.31E-08	4.26E-07	5.50E-03	1.43E-06	8.17E-07	5.96E-03	2
Swathers	G4	175	0.41406	1.08E-01	6.57E-01	9.19E-06	7.24E-05	1.89E-04	5.97E-08	4.79E-07	6.01E-03	1.42E-06	5.20E-07	6.46E-03	2
Hydro Power Units	G4	5	0.08548065	4.10E-02	9.50E-03	1.33E-06	5.98E-07	2.05E-05	1.88E-09	1.77E-08	5.44E-05	7.67E-08	7.54E-08	7.97E-05	0
Hydro Power Units	G4	15	0.1706207	2.17E-01	9.51E-02	7.37E-06	5.44E-06	2.73E-04	1.31E-08	3.86E-06	4.61E-04	5.42E-07	4.16E-07	6.37E-04	0
Hydro Power Units	G4	25	0.06504703	8.28E-02	7.94E-02	6.30E-06	4.08E-06	2.35E-04	9.46E-09	3.13E-06	3.73E-04	2.96E-07	3.56E-07	4.72E-04	0
Hydro Power Units	G4	50	0.004944	6.10E-03	1.35E-02	1.76E-07	2.89E-07	1.09E-05	1.36E-09	8.59E-09	1.12E-04	2.06E-08	9.93E-09	1.19E-04	0
Hydro Power Units	G4	120	0.000618	7.63E-04	2.58E-03	1.14E-08	2.80E-08	5.08E-07	2.33E-10	1.87E-09	2.41E-05	2.31E-09	6.45E-10	2.48E-05	0
Other Agricultural Equipment	G4	5	0.05959806	2.37E-02	4.38E-03	5.88E-07	2.64E-07	9.77E-06	8.53E-10	8.05E-09	2.47E-05	3.83E-08	3.33E-08	3.73E-05	0
Other Agricultural Equipment	G4	15	0.05210574	2.07E-02	1.16E-02	1.07E-06	5.63E-07	3.46E-05	1.54E-09	4.47E-07	5.40E-05	5.38E-08	6.03E-08	7.19E-05	0
Other Agricultural Equipment	G4	25	0.01328185	5.28E-03	7.53E-03	6.64E-07	3.27E-07	2.27E-05	8.72E-10	2.85E-07	3.44E-05	2.12E-08	3.76E-08	4.18E-05	0
Other Agricultural Equipment	G4	50	0.016377	5.57E-03	9.44E-03	3.12E-07	5.77E-07	8.41E-06	9.33E-10	5.88E-09	7.67E-05	2.78E-08	1.76E-08	8.57E-05	0
Other Agricultural Equipment	G4	120	0.09486301	3.23E-02	1.14E-01	2.77E-06	1.09E-05	4.82E-05	9.81E-09	7.87E-08	1.02E-03	2.92E-07	1.57E-07	1.11E-03	0
Other Agricultural Equipment	G4	175	0.010815	3.68E-03	2.50E-02	3.58E-07	2.78E-06	7.31E-06	2.27E-09	1.82E-08	2.29E-04	5.11E-08	2.03E-08	2.45E-04	0
Other Agricultural Equipment	G4	250	0.004017	1.37E-03	1.63E-02	2.06E-07	1.60E-06	4.91E-06	1.53E-09	1.22E-08	1.49E-04	2.48E-08	1.16E-08	1.57E-04	0
Agricultural Tractors	D	15	4.359465	6.36E+00	3.06E+00	3.90E-05	2.44E-04	2.04E-04	5.21E-07	1.01E-05	3.35E-02	0.00E+00	3.52E-06	3.36E-02	11
Agricultural Tractors	D	25	5.375872	7.85E+00	7.21E+00	9.74E-05	6.25E-04	3.27E-04	1.00E-06	3.22E-05	7.91E-02	0.00E+00	8.79E-06	7.93E-02	25
Agricultural Tractors	D	50	12.53386	1.63E+01	2.60E+01	1.22E-03	2.91E-03	3.04E-03	3.61E-06	2.92E-04	2.79E-01	0.00E+00	1.10E-04	2.82E-01	89
Agricultural Tractors	D	120	14.49575	1.89E+01	6.31E+01	1.35E-03	8.53E-03	4.65E-03	8.07E-06	6.95E-04	6.88E-01	0.00E+00	1.22E-04	6.90E-01	217
Agricultural Tractors	D	175	8.163684	1.06E+01	6.05E+01	8.62E-04	7.30E-03	3.63E-03	7.45E-06	3.74E-04	6.63E-01	0.00E+00	7.78E-05	6.64E-01	209
Agricultural Tractors	D	250	5.273103	6.87E+00	5.55E+01	5.28E-04	6.29E-03	1.57E-03	6.88E-06	2.03E-04	6.12E-01	0.00E+00	4.76E-05	6.13E-01	193
Agricultural Tractors	D	500	1.047383	1.37E+00	1.80E+01	1.54E-04	1.86E-03	5.93E-04	1.95E-06	6.09E-05	1.99E-01	0.00E+00	1.39E-05	1.99E-01	63
Combines	D	120	0.3059934	1.26E-01	5.46E-01	9.81E-06	6.82E-05	3.71E-05	7.00E-08	4.82E-06	5.96E-03	0.00E+00	8.86E-07	5.98E-03	2
Combines	D	175	0.4542135	1.87E-01	1.06E+00	1.26E-05	1.18E-04	5.87E-05	1.31E-07	5.25E-06	1.16E-02	0.00E+00	1.14E-06	1.17E-02	4
Combines	D	250	0.4854786	2.00E-01	1.59E+00	1.24E-05	1.66E-04	4.06E-05	1.97E-07	4.69E-06	1.75E-02	0.00E+00	1.12E-06	1.75E-02	6
Combines	D	500	0.01939598	7.98E-03	8.73E-02	6.19E-07	8.46E-06	2.37E-06	9.45E-09	2.46E-07	9.63E-04	0.00E+00	5.59E-08	9.64E-04	0
Balers	D	50	0.00057898	1.51E-04	2.53E-04	7.65E-09	2.68E-08	2.13E-08	3.54E-11	2.16E-09	2.74E-06	0.00E+00	6.90E-10	2.76E-06	0
Balers	D	120	0.4076052	1.06E-01	2.65E-01	4.61E-06	3.26E-05	1.77E-05	3.40E-08	2.24E-06	2.90E-03	0.00E+00	4.16E-07	2.90E-03	1
Agricultural Mowers	D	120	0.01910649	1.90E-02	3.05E-02	6.18E-07	4.02E-06	2.19E-06	3.91E-09	3.14E-07	3.33E-04	0.00E+00	5.57E-08	3.34E-04	0
Sprayers	D	25	0.08974262	2.71E-02	1.48E-02	3.81E-07	1.57E-06	9.78E-07	2.05E-09	1.14E-07	1.61E-04	0.00E+00	3.44E-08	1.62E-04	0
Sprayers	D	50	0.02026447	5.00E-03	5.20E-03	1.56E-07	5.50E-07	4.36E-07	7.29E-10	4.42E-08	5.64E-05	0.00E+00	1.41E-08	5.67E-05	0
Sprayers	D	120	0.1939599	4.79E-02	1.25E-01	2.17E-06	1.54E-05	8.34E-06	1.60E-08	1.05E-06	1.37E-03	0.00E+00	1.95E-07	1.37E-03	0
Sprayers	D	175	0.08163684	2.02E-02	8.69E-02	9.92E-07	9.52E-06	4.73E-06	1.07E-08	4.10E-07	9.53E-04	0.00E+00	8.95E-08	9.55E-04	0
Sprayers	D	250	0.05095065	1.26E-02	8.86E-02	6.61E-07	9.10E-06	2.22E-06	1.10E-08	2.50E-07	9.77E-04	0.00E+00	5.96E-08	9.79E-04	0
Sprayers	D	500	0.00868477	2.14E-03	1.65E-02	1.13E-07	1.58E-06	4.28E-07	1.79E-09	4.47E-08	1.82E-04	0.00E+00	1.02E-08	1.82E-04	0
Tillers	D	15	0.00202645	1.46E-03	4.57E-04	5.46E-09	3.84E-08	3.06E-08	7.78E-11	2.12E-09	5.00E-06	0.00E+00	4.93E-10	5.01E-06	0
Tillers	D	250	0.00028949	1.37E-04	1.48E-03	1.17E-08	1.56E-07	3.82E-08	1.84E-10	4.45E-09	1.64E-05	0.00E+00	1.06E-09	1.64E-05	0
Tillers	D	500	0.00086848	4.10E-04	7.93E-03	5.71E-08	7.72E-07	2.18E-07	8.59E-10	2.26E-08	8.75E-05	0.00E+00	5.15E-09	8.76E-05	0
Swathers	D	120	2.203905	6.65E-01	1.64E+00	2.87E-05	2.02E-04	1.10E-04	2.10E-07	1.40E-05	1.79E-02	0.00E+00	2.59E-06	1.79E-02	6
Swathers	D	175	0.01968548	5.94E-03	2.80E-02	3.24E-07	3.08E-06	1.53E-06	3.45E-09	1.34E-07	3.07E-04	0.00E+00	2.92E-08	3.08E-04	0
Hydro Power Units	D	15	0.01679056	3.75E-02	1.03E-02	1.31E-07	8.22E-07	6.89E-07	1.75E-09	3.39E-08	1.13E-04	0.00E+00	1.18E-08	1.13E-04	0
Hydro Power Units	D	25	0.05066116	1.13E-01	5.89E-02	7.96E-07	5.10E-06	2.67E-06	8.20E-09	2.63E-07	6.46E-04	0.00E+00	7.18E-08	6.48E-04	0
Hydro Power Units	D	50	0.05674049	1.23E-01	1.22E-01	7.00E-06	1.41E-05	1.67E-05	1.67E-08	1.57E-06	1.29E-03	0.00E+00	6.32E-07	1.31E-03	0
Hydro Power Units	D	120	0.00521086	1.13E-02	2.18E-02	5.22E-07	3.12E-06	1.71E-06	2.79E-09	2.77E-07	2.38E-04	0.00E+00	4.71E-08	2.39E-04	0
Other Agricultural Equipment	D	15	0.06137238	7.51E-02	2.63E-02	3.41E-07	2.16E-06	1.76E-06	4.48E-09	1.14E-07	2.88E-04	0.00E+00	3.08E-08	2.89E-04	0
Other Agricultural Equipment	D	25	0.1708005	2.09E-01	1.34E-01	2.39E-06	1.30E-05	7.00E-06	1.86E-08	7.85E-07	1.47E-03	0.00E+00	2.16E-07	1.47E-03	0
Other Agricultural Equipment	D	50	0.149378	1.56E-01	1.86E-01	7.98E-06	2.05E-05	2.02E-05	2.58E-08	1.96E-06	2.00E-03	0.00E+00	7.20E-07	2.01E-03	1
Other Agricultural Equipment	D	120	0.5042957	5.27E-01	1.24E+00	2.52E-05	1.63E-04	8.90E-05	1.58E-07	1.29E-05	1.35E-02	0.00E+00	2.27E-06	1.35E-02	4
Other Agricultural Equipment	D	175	0.04197639	4.39E-02	1.86E-01	2.52E-06	2.19E-05	1.09E-05	2.29E-08	1.08E-06	2.03E-03	0.00E+00	2.27E-07	2.04E-03	1
Other Agricultural Equipment	D	250	0.04197639	4.39E-02	2.67E-01	2.41E-06	2.96E-05	7.35E-06	3.31E-08	9.23E-07	2.94E-03	0.00E+00	2.18E-07	2.95E-03	1
Other Agricultural Equipment	D	500	0.01013223	1.06E-02	9.27E-02	7.55E-07	9.40E-06	2.92E-06	1.00E-08	2.99E-07	1.02E-03	0.00E+00	6.82E-08	1.02E-03	0
			112	83	251	0.005	0.029	0.034	0.000	0.002	2.698	0.000	0.000	3	855
			Population	Activity	Consumption	lbs/day					Tons/Day				MTons/Year
			81	60	180	7	42	49	0	3	2	0	0	2	615
As a percetage of Countwide Mapped Important Farmland					331,457		238,281	Percent	71.89%						

Air Quality and GHG Emissions

- **Area Sources – Consumer Products**

Area Sources

Source: CalEEMod Users Guide. Version 2013.2.2.

Residential Consumer Product Use

Emissions = EF x Building Area

SCAQMD EF = 2.04E-05 lbs/sqft/day

AVERAGE HOUSING SQFT ASSUMPTIONS

Year Structure was Built	Percent of Housing Stock [(1)]	Average Square Feet of New Single Family Homes[(2)]	Average Square
2010 or later	1%	2,448	12
2000 to 2009	6%	2,404	149
1980 to 1999	18%	1,968	354
1979 or earlier	75%	1,699	1,279
			1,795

Sources/Notes:

(1) United States Cenus Bureau, American FactFinder, Los Angeles County, California, Physical Housing Characteristics for Occupied Housing Units, 2012 American Community Survey 1-Year Estimates, Year structure built.

(2) United States Census Bureau, Characteristics of New Housing, Characteristics of New Single-Family Houses Completed, Median and Average Square Feet by Location. Obtained from http://www.census.gov/construction/chars/

	Net Housing Units	Residential SQFT	VOC lbs per day
CEQA Baseline (2010)	300,478	539,320,450	11,002
SCAG 2035 [1]	128,623	854,188,401	17,425
Full Buildout 2035 (P-2035)	368,433	1,441,244,434	29,401

Source

1 New housing units constructed post-2010 assumed to be 2,448 square feet.

S2504: PHYSICAL HOUSING
2012 American Community Survey 1-Year E

Subject	Los Angeles County, California					
	Occupied housing units		Owner-occupied housing		Renter-occupied housing	
	Estimate	Margin of	Estimate	Margin of	Estimate	Margin of
YEAR STRUCTURE BUILT						
2010 or later	0.5%	+/-0.1	0.3%	+/-0.1	0.6%	+/-0.1
2000 to 2009	6.2%	+/-0.2	6.2%	+/-0.3	6.2%	+/-0.3
1980 to 1999	18.0%	+/-0.3	16.8%	+/-0.4	19.1%	+/-0.5
1960 to 1979	28.4%	+/-0.3	24.0%	+/-0.4	32.0%	+/-0.5
1940 to 1959	31.6%	+/-0.4	38.3%	+/-0.5	25.9%	+/-0.6
1939 or earlier	15.4%	+/-0.3	14.4%	+/-0.4	16.2%	+/-0.4

Median and Average Square Feet of Floor Area in New Single-Family Houses Completed by Location[1]

(Medians and averages computed from unrounded figures)

	Median square feet							Average square feet							
				Region							Region				
Year	United States	Inside MSAs	Outside MSAs	North-east	Midwest	South	West	United States	Inside MSAs	Outside MSAs	North-east	Midwest	South	West	Average
1973	1,525	1,625	1,380	1,450	1,445	1,555	1,575	1,660	1,760	1,490	1,595	1,615	1,670	1,715	
1974	1,560	1,665	1,405	1,465	1,490	1,640	1,540	1,695	1,785	1,545	1,600	1,660	1,760	1,660	
1975	1,535	1,630	1,365	1,405	1,460	1,605	1,510	1,645	1,735	1,490	1,575	1,580	1,705	1,635	
1976	1,590	1,675	1,425	1,505	1,495	1,660	1,565	1,700	1,775	1,560	1,630	1,655	1,755	1,685	
1977	1,610	1,705	1,440	1,540	1,540	1,660	1,615	1,720	1,795	1,565	1,650	1,650	1,770	1,730	
1978	1,655	1,735	1,490	1,640	1,615	1,685	1,630	1,755	1,830	1,610	1,730	1,730	1,785	1,740	
1979	1,645	1,735	1,485	1,690	1,605	1,675	1,625	1,760	1,845	1,605	1,795	1,720	1,795	1,730	1,699
1980	1,595	1,670	1,450	1,660	1,520	1,615	1,570	1,740	1,825	1,575	1,770	1,685	1,750	1,735	
1981	1,550	1,650	1,415	1,655	1,480	1,540	1,580	1,720	1,820	1,535	1,805	1,670	1,715	1,735	
1982	1,520	1,600	1,355	1,605	1,405	1,500	1,595	1,710	1,795	1,545	1,755	1,655	1,700	1,740	
1983	1,565	1,610	1,445	1,650	1,515	1,565	1,545	1,725	1,785	1,570	1,795	1,735	1,720	1,695	
1984	1,605	1,645	1,495	1,665	1,600	1,590	1,610	1,780	1,840	1,600	1,860	1,800	1,750	1,785	
1985	1,605	1,655	1,445	1,655	1,625	1,590	1,595	1,785	1,830	1,610	1,830	1,820	1,765	1,770	
1986	1,660	1,700	1,470	1,695	1,685	1,655	1,635	1,825	1,865	1,640	1,850	1,855	1,825	1,800	
1987	1,755	1,800	1,565	1,840	1,740	1,755	1,730	1,905	1,950	1,700	1,955	1,890	1,915	1,870	
1988	1,810	1,880	1,570	1,810	1,840	1,790	1,845	1,995	2,055	1,750	2,005	2,015	1,985	1,995	
1989	1,850	1,920	1,570	1,870	1,800	1,815	1,910	2,035	2,105	1,750	2,075	1,970	2,030	2,065	
1990	1,905	1,985	1,630	1,955	1,850	1,855	1,985	2,080	2,155	1,800	2,105	2,005	2,055	2,160	
1991	1,890	1,970	1,635	1,950	1,800	1,870	1,980	2,075	2,155	1,815	2,105	1,990	2,065	2,155	
1992	1,920	1,990	1,700	2,000	1,870	1,945	1,890	2,095	2,160	1,870	2,115	2,020	2,130	2,090	
1993	1,945	2,000	1,700	2,050	1,855	2,000	1,845	2,095	2,160	1,860	2,160	2,025	2,150	2,050	
1994	1,940	1,995	1,700	2,035	1,850	2,000	1,835	2,100	2,160	1,865	2,195	2,025	2,165	2,025	
1995	1,920	1,975	1,720	2,095	1,850	1,945	1,835	2,095	2,150	1,870	2,240	2,020	2,125	2,045	
1996	1,950	2,000	1,735	2,100	1,900	1,995	1,890	2,120	2,170	1,915	2,280	2,025	2,160	2,070	
1997	1,975	2,015	1,765	2,130	1,900	2,000	1,930	2,150	2,200	1,955	2,265	2,065	2,175	2,135	
1998	2,000	2,050	1,750	2,100	1,945	2,000	1,985	2,190	2,250	1,930	2,270	2,125	2,200	2,200	
1999	2,028	2,089	1,811	2,175	1,937	2,044	2,001	2,223	2,274	1,991	2,298	2,135	2,244	2,234	1,968
2000	2,057	2,121	1,824	2,266	1,971	2,075	2,014	2,266	2,321	2,024	2,435	2,170	2,287	2,244	
2001	2,103	2,152	1,905	2,305	1,965	2,128	2,080	2,324	2,361	2,162	2,466	2,209	2,351	2,317	
2002	2,114	2,171	1,884	2,330	1,979	2,120	2,127	2,320	2,379	2,068	2,516	2,209	2,317	2,350	
2003	2,137	2,177	1,941	2,288	1,998	2,142	2,166	2,330	2,382	2,113	2,443	2,198	2,335	2,387	
2004	2,140	2,207	1,933	2,361	1,993	2,164	2,149	2,349	2,402	2,122	2,543	2,222	2,368	2,352	
2005	2,227	2,273	1,952	2,339	2,054	2,259	2,236	2,434	2,479	2,137	2,556	2,310	2,463	2,434	
2006	2,248	2,305	1,909	2,395	2,035	2,286	2,275	2,469	2,519	2,120	2,612	2,290	2,499	2,488	
2007	2,277	2,319	1,956	2,281	2,064	2,325	2,286	2,521	2,581	2,133	2,550	2,328	2,573	2,524	
2008	2,215	2,270	1,963	2,312	2,019	2,266	2,216	2,519	2,582	2,203	2,651	2,331	2,564	2,508	
2009	2,135	2,185	1,909	2,211	1,931	2,198	2,140	2,438	2,490	2,156	2,594	2,216	2,488	2,434	2,404
2010	2,169	2,203	1,877	2,336	2,001	2,184	2,143	2,392	2,443	2,091	2,613	2,265	2,393	2,386	
2011	2,233	2,293	1,833	2,335	2,015	2,303	2,199	2,480	2,550	2,060	2,559	2,287	2,538	2,457	
2012	2,306	2,353	1,911	2,302	2,150	2,381	2,281	2,505	2,563	2,118	2,582	2,341	2,549	2,502	2,448
RSE	2	2	5	6	3	3	3	2	2	4	6	3	3	3	

Footnotes:

RSE - Relative Standard Error (percent)

NA - Not available

A - Represents an RSE that is greater or equal to 100 percent or could not be computed

Z - Less than 500 units or less than 0.5 percent

S - Withheld because estimate did not meet publication standards on the basis of response rate or a consistency review

[1]Includes houses built for rent (not shown separately).