

**APPENDIX K:**  
**VMT Analysis Sheets**

2010

Brentwood

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## Climate Action Plan VMT Data

Place Name: Brentwood

Simulation ID: 2010\_03\_YYY

## Non-commercial Passenger Vehicle Miles Traveled

Population Segment	Persons	Non-commercial Passenger Vehicle Miles Traveled						Total	100%	Vehicle miles traveled per capita
		Entirely within		Partially in		Entirely outside				
Live in area/ Works in area	5,803	35,709	60.5%	21,970	37.2%	1,304	2.2%	58,984	100%	10.16
Live in area/ Works out of area	19,021	39,239	4.1%	767,931	80.7%	144,003	15.1%	951,173	100%	50.01
Live in area/ Non-worker	48,997	132,160	29.5%	291,296	65.0%	24,491	5.5%	447,947	100%	9.14
Live out of area/ Works in area	5,529	4,866	2.9%	126,658	76.1%	34,938	21.0%	166,462	100%	30.11
Live out of area/ Works out of area	3,117,986	1,758	0.0%	116,036	0.2%	73,624,777	99.8%	73,742,570	100%	23.65
Live out of area/ Non-worker	3,855,998	3,230	0.0%	110,637	0.3%	34,316,470	99.7%	34,430,337	100%	8.93
<b>Total</b>	<b>7,053,334</b>	<b>216,962</b>		<b>1,434,528</b>		<b>108,145,983</b>		<b>109,797,473</b>		<b>15.57</b>

Selected Transportation Analysis Zones:

1177, 1178, 1179

2020

Brentwood

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## Climate Action Plan VMT Data

Place Name: Brentwood

Simulation ID: 2020\_03\_116

## Non-commercial Passenger Vehicle Miles Traveled

Population Segment	Persons	Non-commercial Passenger Vehicle Miles Traveled						Total	100%	Vehicle miles traveled per capita
		Entirely within		Partially in		Entirely outside				
Live in area/ Works in area	6,034	35,921	59.7%	23,012	38.2%	1,279	2.1%	60,211	100%	9.98
Live in area/ Works out of area	17,466	37,239	4.4%	692,735	81.3%	122,484	14.4%	852,458	100%	48.81
Live in area/ Non-worker	54,006	142,866	29.4%	317,491	65.4%	25,082	5.2%	485,439	100%	8.99
Live out of area/ Works in area	7,264	5,447	2.6%	160,564	75.8%	45,886	21.7%	211,896	100%	29.17
Live out of area/ Works out of area	3,823,548	1,757	0.0%	130,292	0.2%	82,949,319	99.8%	83,081,368	100%	21.73
Live out of area/ Non-worker	3,789,268	3,278	0.0%	107,185	0.3%	30,736,962	99.6%	30,847,424	100%	8.14
<b>Total</b>	<b>7,697,586</b>	<b>226,508</b>		<b>1,431,279</b>		<b>113,881,012</b>		<b>115,538,796</b>		<b>15.01</b>

Selected Transportation Analysis Zones:

1177, 1178, 1179

2040

Brentwood

[Get Data](#)[Map](#)[Download Data](#)

## Climate Action Plan VMT Data

Place Name: Brentwood

Simulation ID: 2040\_03\_116

Population Segment	Persons	Non-commercial Passenger Vehicle Miles Traveled								Vehicle miles traveled per capita
		Entirely within		Partially in		Entirely outside		Total		
Live in area/ Works in area	6,320	36,394	55.7%	27,054	41.4%	1,893	2.9%	65,341	100%	10.34
Live in area/ Works out of area	18,070	36,413	4.4%	677,226	81.3%	119,485	14.3%	833,123	100%	46.11
Live in area/ Non-worker	59,558	157,355	29.7%	344,029	65.0%	27,986	5.3%	529,369	100%	8.89
Live out of area/ Works in area	8,374	6,205	2.6%	180,892	76.9%	48,208	20.5%	235,306	100%	28.10
Live out of area/ Works out of area	4,335,080	1,743	0.0%	132,689	0.2%	87,371,420	99.8%	87,505,852	100%	20.19
Live out of area/ Non-worker	4,711,540	3,944	0.0%	131,037	0.4%	36,813,655	99.6%	36,948,636	100%	7.84
<b>Total</b>	<b>9,138,942</b>	<b>242,054</b>		<b>1,492,927</b>		<b>124,382,647</b>		<b>126,117,627</b>		<b>13.80</b>

Selected Transportation Analysis Zones:

1177, 1178, 1179

Brentwood Golf Redevelopment - Brentwood, CA - Contra Costa County, Annual

**Brentwood Golf Redevelopment - Brentwood, CA**  
**Contra Costa County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Residential	1.00	Dwelling Unit	0.00	0.00	3

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2019
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Brentwood Golf Redevelopment Project - Shadow Lakes & Deer Ridge

Land Use - Will Use Trips from Trip Generation Table to account for Development Scenario

Vehicle Trips - To calculate Weekday Daily Trips, it was assumed that PM/SAT trips are 10% of daily trips. Primary, Diverted, and Pass-By Trip assumptions are the same assumptions as a retirement community. Modified Residential Trip Percentage to exclude HB School Trips as it is assumed that retirement community with no school age children living in the development, as such the HBS Trip percentage was added to HBO.

## Brentwood Golf Redevelopment - Brentwood, CA - Contra Costa County, Annual

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	DV_TP	0.00	11.00
tblVehicleTrips	HO_TTP	54.00	69.00
tblVehicleTrips	HS_TTP	15.00	0.00
tblVehicleTrips	PB_TP	0.00	3.00
tblVehicleTrips	PR_TP	0.00	86.00
tblVehicleTrips	ST_TR	0.00	1,950.00
tblVehicleTrips	SU_TR	0.00	1,950.00
tblVehicleTrips	WD_TR	0.00	2,160.00

## 2.0 Emissions Summary

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Brentwood Golf Redevelopment - Brentwood, CA - Contra Costa County, Annual

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6749	3.0123	7.7498	0.0229	1.8461	0.0256	1.8717	0.4955	0.0241	0.5196	0.0000	2,091.2132	2,091.2132	0.0850	0.0000	2,093.3369
Unmitigated	0.6749	3.0123	7.7498	0.0229	1.8461	0.0256	1.8717	0.4955	0.0241	0.5196	0.0000	2,091.2132	2,091.2132	0.0850	0.0000	2,093.3369

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Residential	2,160.00	1,950.00	1,950.00	4,941,760	4,941,760
Total	2,160.00	1,950.00	1,950.00	4,941,760	4,941,760

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Residential	10.80	4.80	5.70	31.00	0.00	69.00	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Residential	0.571348	0.041302	0.187452	0.129481	0.019048	0.005152	0.010609	0.022861	0.001566	0.001884	0.005572	0.002772	0.000953