
APPENDIX D

EMFAC RESULTS

1212-1224 South Winchester Boulevard
Existing Fuel Demand

Area	Sub-Area	Cal. Year	Season	Veh. Tech	EMFAC2007 Category	VMT	Fuel_GAS	Fuel_DSL
Sub-Areas	Santa Clara (SF)	2020	Annual	All Vehicles	All Vehicles	525.2	0.0188	0.0033
Sub-Areas	Santa Clara (SF)	2020	Annual	ALL OTHER BUSES - DSL	OBUS - DSL	0.4881		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	LDA - DSL	LDA - DSL	2.74		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	LDA - GAS	LDA - GAS	304.8	0.0097	
Sub-Areas	Santa Clara (SF)	2020	Annual	LDT1 - DSL	LDT1 - DSL	0.0091		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	LDT1 - GAS	LDT1 - GAS	27.3	0.0010	
Sub-Areas	Santa Clara (SF)	2020	Annual	LDT2 - DSL	LDT2 - DSL	0.6273		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	LDT2 - GAS	LDT2 - GAS	95.7	0.0040	
Sub-Areas	Santa Clara (SF)	2020	Annual	LHD1 - DSL	LHDT1 - DSL	4.51		0.0002
Sub-Areas	Santa Clara (SF)	2020	Annual	LHD1 - GAS	LHDT1 - GAS	6.60	0.0008	
Sub-Areas	Santa Clara (SF)	2020	Annual	LHD2 - DSL	LHDT2 - DSL	1.77		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	LHD2 - GAS	LHDT2 - GAS	0.8739	0.0001	
Sub-Areas	Santa Clara (SF)	2020	Annual	MCY - GAS	MCY - GAS	2.72	0.0001	
Sub-Areas	Santa Clara (SF)	2020	Annual	MDV - DSL	MDV - DSL	1.37		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	MDV - GAS	MDV - GAS	55.5	0.0028	
Sub-Areas	Santa Clara (SF)	2020	Annual	MH - DSL	MH - DSL	0.1062		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	MH - GAS	MH - GAS	0.3029	0.0001	
Sub-Areas	Santa Clara (SF)	2020	Annual	MOTOR COACH - DSL	OBUS - DSL	0.1407		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	OBUS - GAS	OBUS - GAS	0.2890	0.0001	
Sub-Areas	Santa Clara (SF)	2020	Annual	PTO - DSL	HHDT - DSL	0.1676		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	SBUS - DSL	SBUS - DSL	0.3658		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	SBUS - GAS	SBUS - GAS	0.1207	0.0000	
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 AG - DSL	MHDT - DSL	0.0002		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 CAIRP HEAVY - DSL	MHDT - DSL	0.0807		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 CAIRP SMALL - DSL	MHDT - DSL	0.0109		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 INSTATE CONSTRUCTION HEAVY - DS	MHDT - DSL	0.1559		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 INSTATE CONSTRUCTION SMALL - DS	MHDT - DSL	0.3556		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 INSTATE HEAVY - DSL	MHDT - DSL	1.88		0.0002
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 INSTATE SMALL - DSL	MHDT - DSL	3.44		0.0004
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 OOS HEAVY - DSL	MHDT - DSL	0.0458		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 OOS SMALL - DSL	MHDT - DSL	0.0062		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 PUBLIC - DSL	MHDT - DSL	0.1545		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6 UTILITY - DSL	MHDT - DSL	0.0263		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T6TS - GAS	MHDT - GAS	0.7901	0.0002	
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 AG - DSL	HHDT - DSL	0.0000		0
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 CAIRP - DSL	HHDT - DSL	1.80		0.0003
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 CAIRP CONSTRUCTION - DSL	HHDT - DSL	0.1120		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 NNOOS - DSL	HHDT - DSL	2.19		0.0003
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 NOOS - DSL	HHDT - DSL	0.7064		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 OTHER PORT - DSL	HHDT - DSL	0.1858		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 POAK - DSL	HHDT - DSL	0.9994		0.0002
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 POLA - DSL	HHDT - DSL	0.0000		0
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 PUBLIC - DSL	HHDT - DSL	0.1389		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 SINGLE - DSL	HHDT - DSL	0.8441		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 SINGLE CONSTRUCTION - DSL	HHDT - DSL	0.2778		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 SWCV - DSL	HHDT - DSL	0.3190		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 TRACTOR - DSL	HHDT - DSL	3.19		0.0005
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 TRACTOR CONSTRUCTION - DSL	HHDT - DSL	0.2291		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T7 UTILITY - DSL	HHDT - DSL	0.0145		0.0000
Sub-Areas	Santa Clara (SF)	2020	Annual	T7IS - GAS	HHDT - GAS	0.0053	0.0000	
Sub-Areas	Santa Clara (SF)	2020	Annual	UBUS - DSL	UBUS - DSL	0.6719		0.0001
Sub-Areas	Santa Clara (SF)	2020	Annual	UBUS - GAS	UBUS - GAS	0.0121	0.0000	

Fuel demand (in thousands of gallons per day) = 0.0220
 Fuel demand (in gallons per year) = 1000 x 365 x 0.0220 = 8,044.61

1212-1224 South Winchester Boulevard Hotel
Project Fuel Demand

Area	Sub-Area	Cal. Year	Season	Veh Tech	EMFAC2007 Category	VMT	Fuel GAS	Fuel DSL
Sub-Areas	Santa Clara (SF)	2023	Annual	All Vehicles	All Vehicles	7,575.6	0.2463	0.0449
Sub-Areas	Santa Clara (SF)	2023	Annual	ALL OTHER BUSES - DSL	OBUS - DSL	6.44		0.0007
Sub-Areas	Santa Clara (SF)	2023	Annual	LDA - DSL	LDA - DSL	44.7		0.0009
Sub-Areas	Santa Clara (SF)	2023	Annual	LDA - GAS	LDA - GAS	4,429.5	0.1286	
Sub-Areas	Santa Clara (SF)	2023	Annual	LDT1 - DSL	LDT1 - DSL	0.0990		0.0000
Sub-Areas	Santa Clara (SF)	2023	Annual	LDT1 - GAS	LDT1 - GAS	399.8	0.0139	
Sub-Areas	Santa Clara (SF)	2023	Annual	LDT2 - DSL	LDT2 - DSL	10.5		0.0003
Sub-Areas	Santa Clara (SF)	2023	Annual	LDT2 - GAS	LDT2 - GAS	1,338.6	0.0503	
Sub-Areas	Santa Clara (SF)	2023	Annual	LHD1 - DSL	LHDT1 - DSL	69.5		0.0037
Sub-Areas	Santa Clara (SF)	2023	Annual	LHD1 - GAS	LHDT1 - GAS	89.7	0.0105	
Sub-Areas	Santa Clara (SF)	2023	Annual	LHD2 - DSL	LHDT2 - DSL	27.4		0.0016
Sub-Areas	Santa Clara (SF)	2023	Annual	LHD2 - GAS	LHDT2 - GAS	12.4	0.0017	
Sub-Areas	Santa Clara (SF)	2023	Annual	MCY - GAS	MCY - GAS	38.7	0.0010	
Sub-Areas	Santa Clara (SF)	2023	Annual	MDV - DSL	MDV - DSL	22.7		0.0008
Sub-Areas	Santa Clara (SF)	2023	Annual	MDV - GAS	MDV - GAS	788.5	0.0359	
Sub-Areas	Santa Clara (SF)	2023	Annual	MH - DSL	MH - DSL	1.58		0.0002
Sub-Areas	Santa Clara (SF)	2023	Annual	MH - GAS	MH - GAS	4.17	0.0008	
Sub-Areas	Santa Clara (SF)	2023	Annual	MOTOR COACH - DSL	OBUS - DSL	2.07		0.0003
Sub-Areas	Santa Clara (SF)	2023	Annual	OBUS - GAS	OBUS - GAS	3.78	0.0008	
Sub-Areas	Santa Clara (SF)	2023	Annual	PTO - DSL	HHDT - DSL	2.22		0.0004
Sub-Areas	Santa Clara (SF)	2023	Annual	SBUS - DSL	SBUS - DSL	5.09		0.0006
Sub-Areas	Santa Clara (SF)	2023	Annual	SBUS - GAS	SBUS - GAS	1.91	0.0002	
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 AG - DSL	MHDT - DSL	0.0021		0.0000
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 CAIRP HEAVY - DSL	MHDT - DSL	1.20		0.0001
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 CAIRP SMALL - DSL	MHDT - DSL	0.1600		0.0000
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 INSTATE CONSTRUCTION HEAVY - DSL	MHDT - DSL	2.83		0.0003
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 INSTATE CONSTRUCTION SMALL - DSL	MHDT - DSL	6.45		0.0008
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 INSTATE HEAVY - DSL	MHDT - DSL	28.2		0.0027
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 INSTATE SMALL - DSL	MHDT - DSL	46.9		0.0047
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 OOS HEAVY - DSL	MHDT - DSL	0.6767		0.0001
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 OOS SMALL - DSL	MHDT - DSL	0.0903		0.0000
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 PUBLIC - DSL	MHDT - DSL	2.25		0.0003
Sub-Areas	Santa Clara (SF)	2023	Annual	T6 UTILITY - DSL	MHDT - DSL	0.3760		0.0000
Sub-Areas	Santa Clara (SF)	2023	Annual	T6TS - GAS	MHDT - GAS	12.5	0.0025	
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 AG - DSL	HHDT - DSL	0.0000		0
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 CAIRP - DSL	HHDT - DSL	26.5		0.0038
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 CAIRP CONSTRUCTION - DSL	HHDT - DSL	2.03		0.0003
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 NNOOS - DSL	HHDT - DSL	32.3		0.0044
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 NOOS - DSL	HHDT - DSL	10.4		0.0015
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 OTHER PORT - DSL	HHDT - DSL	2.91		0.0005
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 POAK - DSL	HHDT - DSL	16.5		0.0028
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 POLA - DSL	HHDT - DSL	0.0000		0
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 PUBLIC - DSL	HHDT - DSL	1.87		0.0004
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 SINGLE - DSL	HHDT - DSL	11.2		0.0017
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 SINGLE CONSTRUCTION - DSL	HHDT - DSL	5.04		0.0009
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 SWCV - DSL	HHDT - DSL	4.25		0.0018
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 TRACTOR - DSL	HHDT - DSL	47.7		0.0061
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 TRACTOR CONSTRUCTION - DSL	HHDT - DSL	4.15		0.0007
Sub-Areas	Santa Clara (SF)	2023	Annual	T7 UTILITY - DSL	HHDT - DSL	0.2074		0.0000
Sub-Areas	Santa Clara (SF)	2023	Annual	T7IS - GAS	HHDT - GAS	0.0883	0.0000	
Sub-Areas	Santa Clara (SF)	2023	Annual	UBUS - DSL	UBUS - DSL	9.38		0.0016
Sub-Areas	Santa Clara (SF)	2023	Annual	UBUS - GAS	UBUS - GAS	0.1691	0.0000	

Fuel demand (in thousands of gallons per day) =

0.2912

Fuel demand (in gallons per year) = 1000 x 365 x 0.2912 =

106,281.89