

EMFAC Results



APPENDIX D
EMFAC2021
City of Mill Valley
Fuel Demand

2031 Fuel Demand

Vehicle Class	Fuel	Process	Kgal/day	Fuel Type	Demand
All Other Buses	Dsl	RUNEX	0.001134	Diesel	
LDA	Dsl	RUNEX	0.00119	Kgal/day	0.19
LDT1	Dsl	RUNEX	4.59E-07	Kgal/yr	69.76
LDT2	Dsl	RUNEX	0.001974		
LHD1	Dsl	IDLEX	0.000193	Gas	
LHD1	Dsl	RUNEX	0.035081	Kgal/day	1.61
LHD2	Dsl	IDLEX	0.000131	Kgal/yr	586.96
LHD2	Dsl	RUNEX	0.017834		
MDV	Dsl	RUNEX	0.004925	Hybrid	
MH	Dsl	RUNEX	0.001586	kgal/day	0.02
Motor Coach	Dsl	IDLEX	7.63E-05	Kgal/yr	7.21
Motor Coach	Dsl	RUNEX	0.00154		
PTO	Dsl	RUNEX	0.002286	TOTAL	
SBUS	Dsl	IDLEX	0.000133	Kgal/yr	663.93
SBUS	Dsl	RUNEX	0.001446	gal/yr	663931
T6 CAIRP Class 4	Dsl	IDLEX	6.00E-08		
T6 CAIRP Class 4	Dsl	RUNEX	7.56E-06		
T6 CAIRP Class 5	Dsl	IDLEX	7.73E-08		
T6 CAIRP Class 5	Dsl	RUNEX	1.05E-05	Mileage	
T6 CAIRP Class 6	Dsl	IDLEX	2.99E-07	Check:	
T6 CAIRP Class 6	Dsl	RUNEX	2.63E-05		
T6 CAIRP Class 7	Dsl	IDLEX	4.83E-07	VMT/yr	19157731
T6 CAIRP Class 7	Dsl	RUNEX	0.000165	mpg	28.86
T6 Instate Delivery Class 4	Dsl	IDLEX	0.000111		
T6 Instate Delivery Class 4	Dsl	RUNEX	0.002094		
T6 Instate Delivery Class 5	Dsl	IDLEX	7.24E-05		
T6 Instate Delivery Class 5	Dsl	RUNEX	0.001377		
T6 Instate Delivery Class 6	Dsl	IDLEX	0.00012		
T6 Instate Delivery Class 6	Dsl	RUNEX	0.002269		
T6 Instate Delivery Class 7	Dsl	IDLEX	7.52E-06		
T6 Instate Delivery Class 7	Dsl	RUNEX	0.000194		
T6 Instate Other Class 4	Dsl	IDLEX	0.000206		
T6 Instate Other Class 4	Dsl	RUNEX	0.00419		
T6 Instate Other Class 5	Dsl	IDLEX	0.000509		
T6 Instate Other Class 5	Dsl	RUNEX	0.010465		
T6 Instate Other Class 6	Dsl	IDLEX	0.000304		
T6 Instate Other Class 6	Dsl	RUNEX	0.006222		
T6 Instate Other Class 7	Dsl	IDLEX	0.000282		
T6 Instate Other Class 7	Dsl	RUNEX	0.00492		
T6 Instate Tractor Class 6	Dsl	IDLEX	2.70E-12		
T6 Instate Tractor Class 6	Dsl	RUNEX	4.99E-11		

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T6 Instate Tractor Class 7	Dsl	IDLEX	1.42E-05
T6 Instate Tractor Class 7	Dsl	RUNEX	0.000314
T6 OOS Class 4	Dsl	IDLEX	9.12E-08
T6 OOS Class 4	Dsl	RUNEX	1.17E-05
T6 OOS Class 5	Dsl	IDLEX	1.17E-07
T6 OOS Class 5	Dsl	RUNEX	1.61E-05
T6 OOS Class 6	Dsl	IDLEX	4.59E-07
T6 OOS Class 6	Dsl	RUNEX	4.11E-05
T6 OOS Class 7	Dsl	IDLEX	6.15E-07
T6 OOS Class 7	Dsl	RUNEX	0.000278
T6 Public Class 4	Dsl	IDLEX	5.19E-05
T6 Public Class 4	Dsl	RUNEX	0.000662
T6 Public Class 5	Dsl	IDLEX	0.000108
T6 Public Class 5	Dsl	RUNEX	0.001393
T6 Public Class 6	Dsl	IDLEX	7.79E-05
T6 Public Class 6	Dsl	RUNEX	0.001049
T6 Public Class 7	Dsl	IDLEX	0.000145
T6 Public Class 7	Dsl	RUNEX	0.00236
T6 Utility Class 5	Dsl	IDLEX	5.80E-06
T6 Utility Class 5	Dsl	RUNEX	0.000164
T6 Utility Class 6	Dsl	IDLEX	1.09E-06
T6 Utility Class 6	Dsl	RUNEX	3.08E-05
T6 Utility Class 7	Dsl	IDLEX	1.22E-06
T6 Utility Class 7	Dsl	RUNEX	4.18E-05
T7 CAIRP Class 8	Dsl	IDLEX	0.001013
T7 CAIRP Class 8	Dsl	RUNEX	0.012763
T7 NNOOS Class 8	Dsl	IDLEX	0.001152
T7 NNOOS Class 8	Dsl	RUNEX	0.016003
T7 NOOS Class 8	Dsl	IDLEX	0.000507
T7 NOOS Class 8	Dsl	RUNEX	0.00592
T7 Other Port Class 8	Dsl	IDLEX	3.23E-05
T7 Other Port Class 8	Dsl	RUNEX	0.001618
T7 POAK Class 8	Dsl	IDLEX	0.000218
T7 POAK Class 8	Dsl	RUNEX	0.00506
T7 POLA Class 8	Dsl	IDLEX	4.56E-12
T7 POLA Class 8	Dsl	RUNEX	1.42E-10
T7 Public Class 8	Dsl	IDLEX	0.000285
T7 Public Class 8	Dsl	RUNEX	0.006944
T7 Single Concrete/Transit Mix Class 8	Dsl	IDLEX	1.07E-05
T7 Single Concrete/Transit Mix Class 8	Dsl	RUNEX	0.000258
T7 Single Dump Class 8	Dsl	IDLEX	0.000222
T7 Single Dump Class 8	Dsl	RUNEX	0.004054
T7 Single Other Class 8	Dsl	IDLEX	0.000337
T7 Single Other Class 8	Dsl	RUNEX	0.004703

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T7 SWCV Class 8	Dsl	IDLEX	6.44E-05
T7 SWCV Class 8	Dsl	RUNEX	0.004433
T7 Tractor Class 8	Dsl	IDLEX	0.000994
T7 Tractor Class 8	Dsl	RUNEX	0.011748
T7 Utility Class 8	Dsl	IDLEX	4.87E-06
T7 Utility Class 8	Dsl	RUNEX	0.000223
UBUS	Dsl	RUNEX	0.002702
LDA	Gas	RUNEX	0.60099
LDA	Gas	STREX	0.020711
LDT1	Gas	RUNEX	0.0627
LDT1	Gas	STREX	0.0024
LDT2	Gas	RUNEX	0.465678
LDT2	Gas	STREX	0.016028
LHD1	Gas	IDLEX	0.000323
LHD1	Gas	RUNEX	0.084383
LHD1	Gas	STREX	0.001071
LHD2	Gas	IDLEX	4.57E-05
LHD2	Gas	RUNEX	0.011292
LHD2	Gas	STREX	0.000127
MCY	Gas	RUNEX	0.004664
MCY	Gas	STREX	0.00041
MDV	Gas	RUNEX	0.29132
MDV	Gas	STREX	0.010181
MH	Gas	RUNEX	0.005284
MH	Gas	STREX	8.05E-07
OBUS	Gas	IDLEX	2.52E-05
OBUS	Gas	RUNEX	0.004605
OBUS	Gas	STREX	4.12E-05
SBUS	Gas	IDLEX	8.50E-05
SBUS	Gas	RUNEX	0.001376
SBUS	Gas	STREX	7.42E-06
T6TS	Gas	IDLEX	0.000114
T6TS	Gas	RUNEX	0.018578
T6TS	Gas	STREX	0.00019
T7IS	Gas	RUNEX	5.71E-05
T7IS	Gas	STREX	3.73E-07
UBUS	Gas	RUNEX	0.005415
UBUS	Gas	STREX	1.07E-05
LDA	Phe	RUNEX	0.013331
LDA	Phe	STREX	0.000748
LDT1	Phe	RUNEX	0.000224
LDT1	Phe	STREX	1.29E-05
LDT2	Phe	RUNEX	0.0032
LDT2	Phe	STREX	0.000207

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MDV	Phe	RUNEX	0.00189
MDV	Phe	STREX	0.000152