
APPENDIX K

EMFAC RESULTS

Appendix K - EMFAC 2017 Results

Bascom Avenue Existing Annual Fuel Demand

VEHICLE CLASS	FUEL	Demand
LDA	Dsl	0.108662614
LDT1	Dsl	0.000719307
LDT2	Dsl	0.034229441
MDV	Dsl	0.098179668
LHD1	Dsl	0.47448018
LHD1	Dsl	0.002962968
LHD2	Dsl	0.209294814
LHD2	Dsl	0.001873982
MH	Dsl	0.020824537
UBUS	Dsl	0.217041433
T6 Ag	Dsl	4.54E-05
T6 Ag	Dsl	1.21E-06
T6 Public	Dsl	0.034788185
T6 Public	Dsl	0.006420249
T6 CAIRP Small	Dsl	0.002025836
T6 CAIRP Small	Dsl	2.50E-05
T6 CAIRP Heavy	Dsl	0.014241101
T6 CAIRP Heavy	Dsl	4.85E-05
T6 Instate Const	Dsl	0.084539801
T6 Instate Const	Dsl	0.000880668
T6 Instate Const	Dsl	0.037356898
T6 Instate Const	Dsl	0.000287787
T6 Instate Small	Dsl	0.71514008
T6 Instate Small	Dsl	0.009064859
T6 Instate Heavy	Dsl	0.372641563
T6 Instate Heavy	Dsl	0.001776388
T6 OOS Small	Dsl	0.001153022
T6 OOS Small	Dsl	1.44E-05
T6 OOS Heavy	Dsl	0.008078437
T6 OOS Heavy	Dsl	2.74E-05
T6 Utility	Dsl	0.005285129
T6 Utility	Dsl	0.000527266
T7 Ag	Dsl	5.23E-11
T7 Ag	Dsl	3.81E-12
T7 Public	Dsl	0.04895338
T7 Public	Dsl	0.004387075
PTO	Dsl	0.068264113
T7 CAIRP	Dsl	0.474716845
T7 CAIRP	Dsl	0.048591566
T7 CAIRP Constr	Dsl	0.037423491
T7 CAIRP Constr	Dsl	0.000459033
T7 Utility	Dsl	0.004703554
T7 Utility	Dsl	0.000240376
T7 NNOOS	Dsl	0.557808697
T7 NNOOS	Dsl	0.061901781
T7 NOOS	Dsl	0.186533351

T7 NOOS	Dsl	0.023827756
T7 Other Port	Dsl	0.065045199
T7 Other Port	Dsl	0.001026848
T7 POAK	Dsl	0.357847424
T7 POAK	Dsl	0.012702661
T7 POLA	Dsl	5.01E-10
T7 POLA	Dsl	2.02E-11
T7 Single	Dsl	0.262880956
T7 Single	Dsl	0.012737101
T7 Single Constr	Dsl	0.09878721
T7 Single Constr	Dsl	0.002862059
T7 Tractor	Dsl	0.845829461
T7 Tractor	Dsl	0.01950759
T7 Tractor Const	Dsl	0.081731664
T7 Tractor Const	Dsl	0.00249937
SBUS	Dsl	0.079803313
SBUS	Dsl	0.008113813
Motor Coach	Dsl	0.041452004
Motor Coach	Dsl	0.002315721
All Other Buses	Dsl	0.10183491
All Other Buses	Dsl	0.000934706
T7 SWCV	Dsl	0.007312124
T7 SWCV	Dsl	0.258714818
MDV	Gas	0.159926029
MDV	Gas	5.210396809
LDT2	Gas	0.21944679
LDT2	Gas	7.400834759
LDT1	Gas	0.05562275
LDT1	Gas	1.909666791
LHD1	Gas	1.50878498
LHD1	Gas	0.005175343
LHD1	Gas	0.012137103
LHD2	Gas	0.227898371
LHD2	Gas	0.000786272
LHD2	Gas	0.001818792
T6TS	Gas	0.313842645
T6TS	Gas	0.001905647
T6TS	Gas	0.002877451
T7IS	Gas	0.00246727
T7IS	Gas	1.33E-05
LDA	Gas	0.488455701
LDA	Gas	17.9924743
SBUS	Gas	0.023675159
SBUS	Gas	0.001478822
SBUS	Gas	0.00011253
OBUS	Gas	0.116870405
OBUS	Gas	0.000490842
OBUS	Gas	0.000695411
MCY	Gas	0.127279749
MCY	Gas	0.009900012

MH	Gas	0.122112859
MH	Gas	2.05E-05
UBUS	Gas	8.94E-06
UBUS	Gas	0.006339993

Diesel (1Kgal/day)= 6.244387972 Kgal/day
Diesel (Gal/year)= 2279201.61 gal/year

Gas (1Kgal/day) = 35.92351628 Kgal/day
Gas (gal/year) = 13112083.44 gal/year

Appendix K - EMFAC2017

Bascom Avenue Medical Building 2023 Fuel Demand

vehicle_class	fuel	Demand
LDA	Dsl	0.211775024
LDT1	Dsl	0.00096396
LDT2	Dsl	0.068506372
MDV	Dsl	0.192787229
LHD1	Dsl	0.903611106
LHD1	Dsl	0.005886922
LHD2	Dsl	0.400261292
LHD2	Dsl	0.003800879
MH	Dsl	0.038598024
UBUS	Dsl	0.389788509
T6 Ag	Dsl	5.40E-05
T6 Ag	Dsl	1.93E-06
T6 Public	Dsl	0.061894374
T6 Public	Dsl	0.011532762
T6 CAIRP Small	Dsl	0.00358425
T6 CAIRP Small	Dsl	4.39E-05
T6 CAIRP Heavy	Dsl	0.025342946
T6 CAIRP Heavy	Dsl	8.75E-05
T6 Instate Const	Dsl	0.183787088
T6 Instate Const	Dsl	0.001689759
T6 Instate Const	Dsl	0.081213198
T6 Instate Const	Dsl	0.00064193
T6 Instate Small	Dsl	1.148802907
T6 Instate Small	Dsl	0.01373737
T6 Instate Heavy	Dsl	0.653994333
T6 Instate Heavy	Dsl	0.003052496
T6 OOS Small	Dsl	0.002024233
T6 OOS Small	Dsl	2.50E-05
T6 OOS Heavy	Dsl	0.014290423
T6 OOS Heavy	Dsl	4.94E-05
T6 Utility	Dsl	0.009085044
T6 Utility	Dsl	0.000896313
T7 Ag	Dsl	7.34E-11
T7 Ag	Dsl	7.96E-12
T7 Public	Dsl	0.082604462
T7 Public	Dsl	0.007458692
PTO	Dsl	0.108173787
T7 CAIRP	Dsl	0.843607369
T7 CAIRP	Dsl	0.089975515
T7 CAIRP Constr	Dsl	0.082089769
T7 CAIRP Constr	Dsl	0.00104825

T7 Utility	Dsl	0.008182425
T7 Utility	Dsl	0.000417868
T7 NNOOS	Dsl	0.964286311
T7 NNOOS	Dsl	0.119666255
T7 NOOS	Dsl	0.331595839
T7 NOOS	Dsl	0.04426799
T7 Other Port	Dsl	0.113115508
T7 Other Port	Dsl	0.001669929
T7 POAK	Dsl	0.657827042
T7 POAK	Dsl	0.021701828
T7 POLA	Dsl	8.46E-10
T7 POLA	Dsl	3.16E-11
T7 Single	Dsl	0.404113114
T7 Single	Dsl	0.024890772
T7 Single Constr	Dsl	0.210918526
T7 Single Constr	Dsl	0.007025533
T7 Tractor	Dsl	1.462748232
T7 Tractor	Dsl	0.038787562
T7 Tractor Const	Dsl	0.174762144
T7 Tractor Const	Dsl	0.005932746
SBUS	Dsl	0.14023931
SBUS	Dsl	0.01451917
Motor Coach	Dsl	0.074455124
Motor Coach	Dsl	0.003725592
All Other Buses	Dsl	0.165607028
All Other Buses	Dsl	0.001580101
T7 SWCV	Dsl	0.01250517
T7 SWCV	Dsl	0.436395722
MDV	Gas	0.275111004
MDV	Gas	8.594445575
LDT2	Gas	0.375316556
LDT2	Gas	12.04119548
LDT1	Gas	0.100767624
LDT1	Gas	3.32117747
LHD1	Gas	2.561099949
LHD1	Gas	0.009105894
LHD1	Gas	0.021267207
LHD2	Gas	0.404543306
LHD2	Gas	0.001442038
LHD2	Gas	0.00332521
T6TS	Gas	0.608995877
T6TS	Gas	0.003635292
T6TS	Gas	0.00527471
T7IS	Gas	0.004856541
T7IS	Gas	2.05E-05
LDA	Gas	0.874285831
LDA	Gas	30.88014958

SBUS	Gas	0.047103313
SBUS	Gas	0.003096558
SBUS	Gas	0.000232589
OBUS	Gas	0.189287293
OBUS	Gas	0.000863991
OBUS	Gas	0.001203483
MCY	Gas	0.23344676
MCY	Gas	0.018837344
MH	Gas	0.207518317
MH	Gas	3.35E-05
UBUS	Gas	1.37E-05
UBUS	Gas	0.009503768

Diesel (Kgal/day) = 11.08771
Diesel (gal/year) = 4047012 gal/year

Gas (Kgal/day) = 60.79716
Gas (gal/year) = 22190962 gal/year