

2027 Fuel Demand

F
APPENDIX

APPENDIX E
EMFAC2021
Al Shugart Dog Park
2027 Project Fuel Demand

Vehicle Class	Fuel	Process	Kgal/day	Fuel	Demand
All Other Buses	Dsl	IDLEX	2.15E-08		
All Other Buses	Dsl	RUNEX	1.77E-06	Diesel	
LDA	Dsl	RUNEX	1.23E-06	Kgal/day	0.000132
LDA	Gas	RUNEX	0.000312	Kgal/year	0.04824
LDA	Gas	STREX	1.01E-05		
LDA	Phe	RUNEX	6.19E-06	Gasoline	
LDA	Phe	STREX	2.73E-07	Kgal/day	0.000854
LDT1	Dsl	RUNEX	6.31E-09	Kgal/year	0.311861
LDT1	Gas	RUNEX	4.39E-05		
LDT1	Gas	STREX	1.7E-06	Hybrid	
LDT1	Phe	RUNEX	4.7E-08	Kgal/day	8.35E-06
LDT1	Phe	STREX	2.07E-09	Kgal/year	0.003049
LDT2	Dsl	RUNEX	7.93E-07		
LDT2	Gas	RUNEX	0.000235		
LDT2	Gas	STREX	7.44E-06	TOTAL	
LDT2	Phe	RUNEX	1.07E-06	Kgal/year	0.363149
LDT2	Phe	STREX	5.19E-08	gal/year	363.149
LHD1	Dsl	IDLEX	1.27E-07		
LHD1	Dsl	RUNEX	2E-05		
LHD1	Gas	IDLEX	1.96E-07		
LHD1	Gas	RUNEX	4.87E-05		
LHD1	Gas	STREX	6.28E-07		
LHD2	Dsl	IDLEX	7.56E-08		
LHD2	Dsl	RUNEX	9.53E-06		
LHD2	Gas	IDLEX	2.5E-08		
LHD2	Gas	RUNEX	6.02E-06		
LHD2	Gas	STREX	6.93E-08		
MCY	Gas	RUNEX	2.47E-06		
MCY	Gas	STREX	2.99E-07		
MDV	Dsl	RUNEX	2.84E-06		
MDV	Gas	RUNEX	0.000165		
MDV	Gas	STREX	5.45E-06		
MDV	Phe	RUNEX	6.81E-07		
MDV	Phe	STREX	4.09E-08		
MH	Dsl	RUNEX	9.81E-07		
MH	Gas	RUNEX	3.74E-06		
MH	Gas	STREX	7.55E-10		
Motor Coach	Dsl	IDLEX	2.22E-08		
Motor Coach	Dsl	RUNEX	4.75E-07		
OBUS	Gas	IDLEX	1.35E-08		
OBUS	Gas	RUNEX	2.37E-06		
OBUS	Gas	STREX	2.28E-08		
PTO	Dsl	RUNEX	3.1E-06		
SBUS	Dsl	IDLEX	1.76E-07		
SBUS	Dsl	RUNEX	1.97E-06		
SBUS	Gas	IDLEX	2.57E-08		
SBUS	Gas	RUNEX	4.37E-07		

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SBUS	Gas	STREX	2.55E-09
T6 CAIRP Class 4	Dsl	IDLEX	1.83E-10
T6 CAIRP Class 4	Dsl	RUNEX	2.24E-08
T6 CAIRP Class 5	Dsl	IDLEX	2.41E-10
T6 CAIRP Class 5	Dsl	RUNEX	3.09E-08
T6 CAIRP Class 6	Dsl	IDLEX	8.29E-10
T6 CAIRP Class 6	Dsl	RUNEX	7.82E-08
T6 CAIRP Class 7	Dsl	IDLEX	1.34E-09
T6 CAIRP Class 7	Dsl	RUNEX	4.65E-07
T6 Instate Delivery	Dsl	IDLEX	1.49E-07
T6 Instate Delivery	Dsl	RUNEX	2.82E-06
T6 Instate Delivery	Dsl	IDLEX	1.1E-07
T6 Instate Delivery	Dsl	RUNEX	2.13E-06
T6 Instate Delivery	Dsl	IDLEX	1.41E-07
T6 Instate Delivery	Dsl	RUNEX	2.67E-06
T6 Instate Delivery	Dsl	IDLEX	2.41E-08
T6 Instate Delivery	Dsl	RUNEX	6.94E-07
T6 Instate Other Cl	Dsl	IDLEX	2.48E-07
T6 Instate Other Cl	Dsl	RUNEX	5.14E-06
T6 Instate Other Cl	Dsl	IDLEX	4.47E-07
T6 Instate Other Cl	Dsl	RUNEX	9.51E-06
T6 Instate Other Cl	Dsl	IDLEX	3.05E-07
T6 Instate Other Cl	Dsl	RUNEX	6.42E-06
T6 Instate Other Cl	Dsl	IDLEX	2.12E-07
T6 Instate Other Cl	Dsl	RUNEX	4.09E-06
T6 Instate Tractor C	Dsl	IDLEX	4.42E-09
T6 Instate Tractor C	Dsl	RUNEX	1.15E-07
T6 Instate Tractor C	Dsl	IDLEX	9.24E-08
T6 Instate Tractor C	Dsl	RUNEX	2.39E-06
T6 OOS Class 4	Dsl	IDLEX	1.18E-10
T6 OOS Class 4	Dsl	RUNEX	1.42E-08
T6 OOS Class 5	Dsl	IDLEX	1.54E-10
T6 OOS Class 5	Dsl	RUNEX	1.96E-08
T6 OOS Class 6	Dsl	IDLEX	5.33E-10
T6 OOS Class 6	Dsl	RUNEX	4.98E-08
T6 OOS Class 7	Dsl	IDLEX	7.8E-10
T6 OOS Class 7	Dsl	RUNEX	3.42E-07
T6 Public Class 4	Dsl	IDLEX	2.27E-08
T6 Public Class 4	Dsl	RUNEX	2.93E-07
T6 Public Class 5	Dsl	IDLEX	5.77E-08
T6 Public Class 5	Dsl	RUNEX	7.32E-07
T6 Public Class 6	Dsl	IDLEX	2.2E-08
T6 Public Class 6	Dsl	RUNEX	3.15E-07
T6 Public Class 7	Dsl	IDLEX	9.58E-08
T6 Public Class 7	Dsl	RUNEX	1.64E-06
T6 Utility Class 5	Dsl	IDLEX	2.04E-09
T6 Utility Class 5	Dsl	RUNEX	5.68E-08
T6 Utility Class 6	Dsl	IDLEX	3.86E-10

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T6 Utility Class 6	Dsl	RUNEX	1.07E-08
T6 Utility Class 7	Dsl	IDLEX	4.34E-10
T6 Utility Class 7	Dsl	RUNEX	1.48E-08
T6TS	Gas	IDLEX	5.48E-08
T6TS	Gas	RUNEX	8.46E-06
T6TS	Gas	STREX	9.82E-08
T7 CAIRP Class 8	Dsl	IDLEX	4.18E-07
T7 CAIRP Class 8	Dsl	RUNEX	5.2E-06
T7 NNOOS Class 8	Dsl	IDLEX	4.5E-07
T7 NNOOS Class 8	Dsl	RUNEX	6.09E-06
T7 NOOS Class 8	Dsl	IDLEX	1.98E-07
T7 NOOS Class 8	Dsl	RUNEX	2.26E-06
T7 Other Port Class	Dsl	IDLEX	3.25E-15
T7 Other Port Class	Dsl	RUNEX	1.3E-13
T7 POAK Class 8	Dsl	IDLEX	1.31E-08
T7 POAK Class 8	Dsl	RUNEX	2.76E-07
T7 POLA Class 8	Dsl	IDLEX	3.37E-15
T7 POLA Class 8	Dsl	RUNEX	8.85E-14
T7 Public Class 8	Dsl	IDLEX	2.51E-07
T7 Public Class 8	Dsl	RUNEX	6.2E-06
T7 Single Concrete/	Dsl	IDLEX	1.02E-07
T7 Single Concrete/	Dsl	RUNEX	2.62E-06
T7 Single Dump Cla	Dsl	IDLEX	1.86E-07
T7 Single Dump Cla	Dsl	RUNEX	3.77E-06
T7 Single Other Cla:	Dsl	IDLEX	3.24E-07
T7 Single Other Cla:	Dsl	RUNEX	5.94E-06
T7 SWCV Class 8	Dsl	IDLEX	1.26E-07
T7 SWCV Class 8	Dsl	RUNEX	9.07E-06
T7 Tractor Class 8	Dsl	IDLEX	1.48E-07
T7 Tractor Class 8	Dsl	RUNEX	1.84E-06
T7 Utility Class 8	Dsl	IDLEX	1.54E-09
T7 Utility Class 8	Dsl	RUNEX	7.12E-08
T7IS	Gas	RUNEX	4.36E-08
T7IS	Gas	STREX	3.4E-10
UBUS	Dsl	RUNEX	1.46E-06
UBUS	Gas	RUNEX	4.37E-07
UBUS	Gas	STREX	2.05E-09