

MODULE	ENERGY					
SUBMODULE	CO₂ From Fuel Combustion By Source Categories(Tier 1)					
WORKSHEET	1-2 Step By Step Calculations					
SHEET	5 of 16 Transport					
Transport	STEP 1		STEP 2		STEP 3	
	A Consumption 10 ^{^3} T	B Conversion Factor (Tj/10 ^{^3} T)	C Consumption (Tj) C=(A*B)	D Carbon Emission Factor (t C/Tj)	E Carbon Content (t C) E=(C*D)	F Carbon Content (Gg C) F=(E*10 ^{^-3})
Domestic			0		0	0
Gasoline	NO					
Jet Kerosene	1.91	44.59	85.1669	19.5	1660.75455	1.66075455
		Subtotal	85.1669			
Road Transport						
Natural Gas	NO					
LPG	NO					
Gasoline	1242.8033	44.8	55677.58784	18.9	1052306.41	1052.30641
Gas/Diesel Oil	40.906	43.33	1772.45698	20.2	35803.631	35.803631
		Subtotal	57450.04482			
Rail Transport						
Gas/Diesel Oil	NO					
Residual Fuel Oil	NO					
Anthracite	NO					
Other Bituminous Coal	NO					
Coke Oven Coke	NO					
		Subtotal				
National Navigation						
Gasoline	0.378612	44.8	16.9618176	18.9	320.5783526	0.320578353
Gas/Diesel Oil	0.0292	43.33	1.265236	20.2	25.5577672	0.025557767
Residual Fuel Oil	NO					
Lubricants	NE					
Sub-Bituminous Coal	NO					
		Subtotal	18.2270536			
Pipeline Transport						
Natural Gas	NO					
		Subtotal				
		Total	57553.43877			
Memo items:						
Liquid Biomass	NO					
		Total Biomass				

Transport	G Fraction of Carbon Stored	STEP 4		STEP 5		STEP 6
		H Carbon Stored (Gg C)	I Net Carbon Emissions (Gg C)	J Fraction of Carbon Oxidized	K Actual Emissions (Gg C)	L Actual CO ₂ Emissions (Gg CO ₂)
		H=(F*G)	I=(F-H)		K=(I*J)	L=(K*[44/12])
Domestic Aviation		0	0		0	0
Gasoline		0	0		0	0
Jet Kerosene		0	1.66075455	0.99	1.644147005	6.028539017
		0	0		0	0
		Subtotal				6.028539017
Road Transport						
Natural Gas		0	0		0	0
LPG		0	0		0	0
Gasoline		0	1052.30641	0.99	1041.783346	3819.872269
Gas/Diesel Oil		0	35.803631	0.99	35.44559469	129.9671805
		0	0			0
		Subtotal				3949.839449
Rail Transport						
Gas/Diesel Oil		0	0		0	0
Residual Fuel Oil		0	0		0	0
Anthracite		0	0		0	0
Other Bituminous Coal		0	0		0	0
Coke Oven Coke		0	0		0	0
		0	0		0	0
		Subtotal				0
National Navigation						
Gasoline		0	0.320578353	0.99	0.317372569	1.16369942
Gas/Diesel Oil		0	0.025557767	0.99	0.02530219	0.092774695
Residual Fuel Oil		0	0		0	0
Lubricants		0	0		0	0
Sub-Bituminous Coal		0	0		0	0
		0	0		0	0
		Subtotal				1.256474115
Pipeline Transport						
Natural Gas		0	0		0	0
		0	0		0	0
		Subtotal				0
		Total				3957.124463
Memo items:						
Liquid Biomass						
		Total				