

Sum of Emissions Mt CO2-e	Column Labels																														
Row Labels	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	
Agriculture	15.9	16.2	16.0	16.0	16.1	16.0	15.9	15.9	16.0	16.1	16.4	16.6	16.9	17.2	17.4	17.7	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.5	19.7	19.9	20.1	20.3	20.5	
Crop	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4		
Dairy	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
Fertilisers	0.9	1.0	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	
Grain Fed Beef	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	
Grazing Beef	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.3	
Lime and Urea	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	
Other Animals	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Pigs	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Sheep	5.3	5.5	5.6	5.7	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	
Electricity Generation	45.8	41.4	36.5	32.3	28.1	24.7	19.1	13.9	12.1	9.6	8.4	5.8	5.1	5.0	4.5	3.4	3.4	3.6	3.6	3.4	3.6	3.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Data Not Available	45.8	41.4	36.5	32.3	28.1	24.7	19.1	13.9	12.1	9.6	8.4	5.8	5.1	5.0	4.5	3.4	3.4	3.6	3.6	3.4	3.6	3.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Fugitive Emissions	12.8	13.0	12.2	12.1	12.3	13.2	12.6	12.1	11.3	10.9	9.8	10.1	10.3	9.2	9.7	8.8	7.5	7.2	7.3	6.8	7.5	7.1	8.0	8.0	7.6	8.2	7.8	7.5	7.4	6.8	
Gas	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Open Cut Mines	1.7	1.6	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.6	1.5	1.4	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.1	1.0	
Other Solid Fuel Mining	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Underground Coal Mines	10.6	10.9	10.0	9.8	10.1	10.8	10.1	9.6	8.8	8.4	7.4	7.6	7.8	6.6	7.2	6.3	5.1	4.8	5.0	4.5	5.3	4.8	5.8	5.9	5.6	6.3	5.8	5.5	5.5	4.9	
Industrial Processes and Product Use	12.1	11.8	11.4	11.3	10.3	10.3	9.0	8.9	7.6	7.7	7.8	7.9	7.0	8.1	8.2	8.4	8.6	8.4	9.0	9.1	9.4	9.8	10.1	11.0	11.1	12.1	12.3	13.3	13.7		
Data Not Available	12.1	11.8	11.4	11.3	10.3	10.3	9.0	8.9	7.6	7.7	7.8	7.9	7.0	8.1	8.2	8.4	8.6	8.4	9.0	9.1	9.4	9.8	10.1	11.0	11.1	12.1	12.3	13.3	13.7		
Land Use, Land Use Change and Forestry	-	8.2	12.5	12.5	11.5	10.5	8.9	8.1	7.9	7.3	7.0	6.8	6.2	5.8	5.4	5.2	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.4	2.1	1.9	1.6	1.4
Data Not Available	-	8.2	12.5	12.5	11.5	10.5	8.9	8.1	7.9	7.3	7.0	6.8	6.2	5.8	5.4	5.2	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.4	2.1	1.9	1.6	1.4
Stationary Energy (excluding Electricity Generation)	14.8	15.0	15.0	14.8	14.6	14.5	14.0	13.7	13.1	13.0	13.0	13.2	13.2	13.1	13.1	13.1	13.2	13.3	13.3	13.4	13.4	12.9	12.7	12.5	12.4	12.3	12.5	12.5	12.6	12.8	
Data Not Available	14.8	15.0	15.0	14.8	14.6	14.5	14.0	13.7	13.1	13.0	13.0	13.2	13.2	13.1	13.1	13.1	13.2	13.3	13.3	13.4	13.4	12.9	12.7	12.5	12.4	12.3	12.5	12.5	12.6	12.8	
Transport	25.8	28.3	29.1	29.3	29.5	29.7	29.6	29.3	29.0	28.7	28.5	28.0	27.5	26.9	26.3	25.6	25.0	24.3	23.6	22.9	22.2	21.6	21.0	20.4	19.8	19.2	18.5	17.9	17.3	16.7	
Aviation (Domestic)	0.8	1.4	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	
Heavy Duty Vehicles	6.6	6.6	6.7	6.8	6.9	6.9	6.9	7.0	7.0	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	
Light Vehicles	16.9	18.7	18.8	18.9	19.0	19.1	18.9	18.5	18.2	17.8	17.5	16.9	16.2	15.5	14.8	14.1	13.3	12.6	11.8	11.0	10.3	9.6	8.9	8.3	7.6	6.9	6.3	5.6	5.0	4.3	
Navigation (Domestic)	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	
Other	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Railways	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	
Waste	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.5	4.4	4.4	4.3	4.2	4.2	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	
Biological Treatment of Solid Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Incineration and Open Burning of Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Solid Waste	3.5	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
Wastewater	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Total	123.8	118.2	112.5	109.1	105.0	104.0	96.6	90.4	86.3	83.2	81.4	79.6	79.3	77.0	78.0	77.2	75.8	75.6	75.2	74.8	75.5	74.7	72.1	71.9	72.0	72.3	73.0	72.7	73.6	73.3	

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