

## **Supplementary Indicator Tables to Annual Review 2024**

This spreadsheet provides an extended list of sectoral and cross-cutting statistical indicators which can provide useful insights into changing greenhouse gas emissions and underlying activities driving emissions. The data is collated from information made available in the public domain by a broad range of official and sectoral stakeholders.

While every effort has been made to ensure the information in this spreadsheet is accurate and up-to-date, the data is subject to continual update and revision. In considering this information, users are encouraged to reference the source material and most recent publications issued by original authors.

**Information contained in this file is correct as of 20/10/2024**



Agriculture, Forestry and other Land Use (AFOLU)

Agriculture											
Source	Category	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023
<a href="https://www.epa.ie/publications/monitoring--asse">https://www.epa.ie/publications/monitoring--asse</a>	Sectoral emissions	Mt CO <sub>2</sub> eq	19.9	20.5	21.1	21.4	21.3	21.5	21.9	21.8	20.8
	Emissions relative to 2018					100.0%	99.4%	100.7%	102.6%	1.0%	97.1%
<a href="https://www.epa.ie/publications/monitoring--asse">https://www.epa.ie/publications/monitoring--asse</a>	Sectoral emissions CH <sub>4</sub>	kt CH <sub>4</sub>	505.5	521.1	536.2	532.1	539.3	545.4	547.0	547.0	535.3
	CH <sub>4</sub> Emissions relative to 2018					100.0%	101.3%	102.5%	102.8%	102.8%	100.6%
<a href="https://www.epa.ie/publications/monitoring--asse">https://www.epa.ie/publications/monitoring--asse</a>	Sectoral emissions N <sub>2</sub> O	kt N-N <sub>2</sub> O	17.9	18.3	19.2	20.1	19.2	19.4	20.0	18.4	16.7
	N <sub>2</sub> O Emissions relative to 2018					100.0%	95.7%	96.5%	99.6%	91.6%	83.1%
<a href="https://data.cso.ie/table/AAA09">https://data.cso.ie/table/AAA09</a>	Dairy Cows (June)	Thousands	1,296	1,398	1,433	1480.9	1504.8	1567.7	1604.5	1627.3	1646.6
						100.0%	101.6%	105.9%	108.3%	109.9%	111.2%
<a href="https://data.cso.ie/table/AAA09">https://data.cso.ie/table/AAA09</a>	Other cows (June)	Thousands	1,076	1,104	1,081	1047.9	999.7	983.3	940.3	913.2	872.1
						100.0%	95.4%	93.8%	89.7%	87.1%	83.2%
<a href="https://data.cso.ie/table/AAA09">https://data.cso.ie/table/AAA09</a>	Other cattle (June)	Thousands	4,592	4,720	4,850	4,820	4,704	4,764	4,814	4,856	4822.7
						100.0%	97.6%	98.8%	99.9%	100.7%	100.1%
<a href="https://data.cso.ie/table/AAA09">https://data.cso.ie/table/AAA09</a>	Total Cattle (June)	Thousands	6,964	7,221	7,364	7,349	7,209	7,315	7,359	7396.2	7341.5
						100.0%	98.1%	99.5%	100.1%	100.6%	99.9%
<a href="https://data.cso.ie/table/AAA09">https://data.cso.ie/table/AAA09</a>	Total Sheep (June)	Thousands	5,139	5,179	5,197	5,109	5,146	5,520	5,609	5967.6	5674.4
						100.0%	100.7%	108.0%	109.8%	116.8%	111.1%
<a href="https://data.cso.ie/table/AKM01">https://data.cso.ie/table/AKM01</a>	Milk deliveries (domestic)	million litres	6,395	6,651	7,263	7,585	7,986	8,296	8,759	8824.8	8458.3
						100.0%	105.3%	109.4%	115.5%	116.3%	111.5%
<a href="https://data.cso.ie/table/PFSA01">https://data.cso.ie/table/PFSA01</a>	Nitrogen Fertilizer Use/sales	t N	330,959	339,104	369,089	408,495	367,364	379,519	399,164	343,193	280,569
	Change in N-fert sales relative to 2018					100.0%	89.9%	92.9%	97.7%	84.0%	68.7%
	Protected Urea Fertiliser % of total nitrogen fertiliser sales	%	0.00%	0.10%	0.50%	0.80%	3.40%	5.30%	5.10%		
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Dairy production efficiency	kg CO <sub>2</sub> eq per kg FPCM	1.03	1.06	1.12	1.12	1.07	1.07	1.05	1.06	
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Dairy Nitrogen Use Efficiency	%	25	24	24.3	21.5	24.2	25.5	26.8	27.7	
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Dairy N Balance	Excess kg N inputs over outputs per hectare	155.9	164.8	172.3	201	179.9	175.6	163.7	158.6	
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Dairy Use of protected Urea	% of farms			0	0	3%	5%	7%	14%	
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Top							8%			
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Middle							4%			
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Bottom							2%			
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Use of LESS	% of Dairy farms			5%	5%	32%	52%	67%	75%	
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Beef production efficiency	kg CO <sub>2</sub> eq per kg beef	11.2	10.8	11	11.5	11	10.5			X
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Beef Nitrogen Use Efficiency	%	22.6	23.2	24.2	20.8	22.3	23			X
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Beef N Balance	Excess kg N inputs over outputs per hectare	53.6	63.2	65.2	70.9	65.4	58.4			X
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Beef Use of protected Urea	% of farms						4%			
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Top							0%			
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Middle							0%			
	Bottom										
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Milk Recording %	% of farms			41%	38%	46%	43%	48%	50%	
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Top							58%			
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Middle							44%			
<a href="https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf">https://www.teagasc.ie/media/website/publications/2023/SustainabilityReport2022.pdf</a>	Bottom							23%			
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Tillage Nitrogen use efficiency	%	68.1	67.9	69.8	57.1	68.7	62.6			X
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Tillage Nitrogen Balance	Excess kg N inputs over outputs per hectare	70.9	79.3	81.7	93.6	83.7	74.8			X
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Dairy Profitability (gross margin)	€ per hectare	1,710	1,457	2,113	1,730	1,802	1,920	3181	4895	2718
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Dairy Economic Viability	% of farms	75	69	85%	73%	75%	80%	86%	93%	
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Beef Profitability (gross margin)	€ per hectare	463	507	533	483	497	510			848
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Beef Economic Viability	% of farms	24%	23%	25%	18%	18%	17%	16		
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Tillage Profitability (gross margin)	€ per hectare	757	671	817	904	921	756			
<a href="https://www.teagasc.ie/media/website/publication">https://www.teagasc.ie/media/website/publication</a>	Economic Viability	% of farms	62%	60%	74%	62%	59%	65%	72		

**Land Use Land Use Change and  
Forestry**

	Name	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023
<a href="https://www.epa.ie/publications/monitoring--asse">https://www.epa.ie/publications/monitoring--asse</a>	Sectoral Emissions	Mt CO <sub>2</sub> eq	4.1	3.2	5.2	4.2	4.3	5.2	4.6	4.0	5.6
						100%	102%	123%	111%	95%	134%
CRF Table 4.A	Forestry Cover	kha	758	764	769	772	775	776	778	781	
	Forestry Cover	%	10.66%	10.74%	10.81%	10.85%	10.89%	10.92%	10.95%	10.98%	
CRF Tables 4. A,B,C,D,E,F	Drained organic soils	kha	892	892	892	891	889	887	886	885	
CRF Table 4.C	Grasslands Management (mineral)	kha	3898	3895	3893	3891	3890	3889	3887	3885	
CRF Table 4.C	Grasslands Management (organic)	kha	350	347	345	343	341	340	340	339	
CRF Table 4.D	Peatlands Management (extraction)	kha	97	96	96	94	91	88	86	84	
<a href="https://assets.gov.ie/297338/a280944a-dace-4812">https://assets.gov.ie/297338/a280944a-dace-4812</a>	Afforestation rates	ha	6,293	6,500	5,536	4,025	3,866	2,434	2,016	2,273	1651
<a href="https://assets.gov.ie/297338/a280944a-dace-4812">https://assets.gov.ie/297338/a280944a-dace-4812</a>	Wood Removals	000s m-3	3,312	3,445	3,698	3,834	3,987	3,891	4,333	4,141	
	% Wood Removals from Public Forest	%	67.5%	75.2%	70.1%	66.0%	68.2%	60.0%	51.6%	57.4%	
<a href="https://data.cso.ie/table/WPEI02">https://data.cso.ie/table/WPEI02</a>	Imports	m3	804,724	865,461	1,029,743	980,494	1,154,867	1,165,385	1,238,128	963,216	
<a href="https://data.cso.ie/table/WPEI02">https://data.cso.ie/table/WPEI02</a>	Exports	m3	1,529,729	1,777,351	1,898,696	1,865,837	2,012,845	1,863,055	2,013,339	2,042,528	
<a href="https://assets.gov.ie/297338/a280944a-dace-4812">https://assets.gov.ie/297338/a280944a-dace-4812</a>	Round Timber Prices Coillte (average)	€/m-3	€60.50	€52.80	€52.60	€73.20	€58.40	€52.90	€71.50	€60.00	
<a href="https://assets.gov.ie/297338/a280944a-dace-4812">https://assets.gov.ie/297338/a280944a-dace-4812</a>	Round Wood Prices Private (>1m3)	€/m-3	€61.50	€60.90	€54.04	€58.61	€60.59	€49.90	N/A Covid	N/A Covid	€60.56

Transport

Source	Category	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023
<a href="https://www.epa.ie/publications/monitoring--assessment/">https://www.epa.ie/publications/monitoring--assessment/</a>	Sectoral Emissions	Mt CO <sub>2</sub> eq	11.81	12.30	12.13	12.31	12.32	10.40	11.09	11.76	11.79
	Emissions relative to 2018	%				100%	100%	84%	89%	96%	96%
<a href="https://ec.europa.eu/eurostat/databrowser/view/nrg_ind_ren_custom_13398690/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/nrg_ind_ren_custom_13398690/default/table?lang=en</a> <a href="https://www.seai.ie/sites/default/files/data-and-insights/seai-statistics/key-publications/renewable-energy-in-ireland/First-Look-Renewable-Energy-in-Ireland-Report.pdf">https://www.seai.ie/sites/default/files/data-and-insights/seai-statistics/key-publications/renewable-energy-in-ireland/First-Look-Renewable-Energy-in-Ireland-Report.pdf</a>	Renewable Energy Sources in Transport	%	5.94%	5.16%	7.44%	7.19%	8.92%	10.19%	4.41%	5.51%	
<a href="https://www.seai.ie/data-and-insights/seai-statistics/annual">https://www.seai.ie/data-and-insights/seai-statistics/annual</a>	Final Energy Consumption in Transport Sector	ktoe	4,786	4,969	5,106	5,234	5,276	3,914	4,188	5,032	5,244
<a href="https://www.seai.ie/data-and-insights/seai-statistics/monthly">https://www.seai.ie/data-and-insights/seai-statistics/monthly</a>	Total Motor Petrol Deliveries	ktoe		1,058	964	865	831	610	648	733	796
<a href="https://www.seai.ie/data-and-insights/seai-statistics/monthly">https://www.seai.ie/data-and-insights/seai-statistics/monthly</a>	Total Road Diesel Deliveries	ktoe		2,935	3,049	3,198	3,265	2,832	2,968	3,140	3,101
Source: <a href="https://data.cso.ie/">https://data.cso.ie/</a>	Distance travelled by private car	Millions km	35,020	36,623	37,181	35,975	26,102	30,216	35,453	34,952	
Source: <a href="https://data.cso.ie/">https://data.cso.ie/</a>	Distance travelled by goods vehicles	Millions km	7,021	7,410	7,785	7,891	7,283	8,812	8,023	9,356	
Source: <a href="https://data.cso.ie/">https://data.cso.ie/</a>	Distance travelled by PSVs	Millions km	1,167	1,194	1,219	1,228	1,240	823	721	960	
<a href="https://www.cso.ie/en/releasesandpublications/db/db-transport">https://www.cso.ie/en/releasesandpublications/db/db-transport</a>	Journeys by Public Transport Weekly Average	Number					4,552,032	2,560,452	2,615,313	4,645,890	5,739,095
<a href="https://www.nationaltransport.ie/wp-content/uploads/2020/08/Mode-Share-2019-2020.pdf">https://www.nationaltransport.ie/wp-content/uploads/2020/08/Mode-Share-2019-2020.pdf</a>	Percentage Mode Share by Private Car	%			70.9					68.7	70.9
<a href="https://www.nationaltransport.ie/wp-content/uploads/2020/08/Mode-Share-2019-2020.pdf">https://www.nationaltransport.ie/wp-content/uploads/2020/08/Mode-Share-2019-2020.pdf</a>	Percentage Mode Share by Public Transport	%			6.0					5.3	4.9
<a href="https://www.nationaltransport.ie/wp-content/uploads/2020/08/Mode-Share-2019-2020.pdf">https://www.nationaltransport.ie/wp-content/uploads/2020/08/Mode-Share-2019-2020.pdf</a>	Percentage Mode Share by Walking/Cycling	%			20.7					21.1	19.6
<a href="https://alternative-fuels-observatory.ec.europa.eu/transport">https://alternative-fuels-observatory.ec.europa.eu/transport</a>	New Private Car (M1) BEV share in new registrations	%	0.38%	0.28%	0.47%	0.97%	2.74%	4.46%	8.32%	14.91%	18.77%
<a href="https://alternative-fuels-observatory.ec.europa.eu/transport">https://alternative-fuels-observatory.ec.europa.eu/transport</a>	Fleet of alternative fuelled BEV passenger cars (M1) as a percentage of the total fleet.	%	0.05%	0.08%	0.13%	0.21%	0.38%	0.55%	0.87%	1.51%	2.41%
<a href="https://alternative-fuels-observatory.ec.europa.eu/transport">https://alternative-fuels-observatory.ec.europa.eu/transport</a>	Total number of BEV passenger cars (M1)	Number	1,020	1,700	2,770	4,610	8,590	12,720	19,982	35,713	57,367
<a href="https://alternative-fuels-observatory.ec.europa.eu/transport">https://alternative-fuels-observatory.ec.europa.eu/transport</a>	Total number of PHEV passenger cars (M1)	Number	135	416	739	1,631	2,947	5,659	17,570	25,318	35,785
<a href="https://alternative-fuels-observatory.ec.europa.eu/transport">https://alternative-fuels-observatory.ec.europa.eu/transport</a>	Total number of BEV light commercial vehicles (N1)	Number	88	92	152	165	453	890	1,548	2,227	3,205
<a href="https://www.epa.ie/publications/monitoring--assessment/">https://www.epa.ie/publications/monitoring--assessment/</a>	Total number of private cars	Number	2,006,743	2,048,387	2,085,624	2,126,172	2,198,810	2,237,263	2,247,983	2,275,244	
<a href="https://www.epa.ie/publications/monitoring--assessment/">https://www.epa.ie/publications/monitoring--assessment/</a>	Total number of goods vehicles	Number	330,495	342,197	349,059	355,121	366,326	377,029	383,339	387,064	
<a href="https://alternative-fuels-observatory.ec.europa.eu/transport">https://alternative-fuels-observatory.ec.europa.eu/transport</a>	Total number of publicly accessible AC recharging points	Number						866	768	1,947	2,355
<a href="https://alternative-fuels-observatory.ec.europa.eu/transport">https://alternative-fuels-observatory.ec.europa.eu/transport</a>	Total number of publicly accessible DC recharging points	Number						199	197	273	470

## Electricity

Source	Category	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023
<a href="https://www.epa.ie/publications/monitoring--assessment">https://www.epa.ie/publications/monitoring--assessment</a>	Sectoral Emissions	Mt CO <sub>2</sub> eq	11.6	12.4	11.6	10.3	9.2	8.4	10.0	9.8	7.5
<a href="https://www.epa.ie/publications/monitoring--assessment">https://www.epa.ie/publications/monitoring--assessment</a>	Sectoral Emissions relative to 2018	%	112%	120%	112%	100%	89%	82%	97%	95%	73%
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-me">https://www.cso.ie/en/releasesandpublications/ep/p-me</a>	% of metered electricity generation by Coal (%)	%	-	-	-	-	-	2.3	9.1	7.8	4
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-me">https://www.cso.ie/en/releasesandpublications/ep/p-me</a>	% of metered electricity generation by Gas	%	-	-	-	-	-	47.9	45.7	47.5	47.2
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-me">https://www.cso.ie/en/releasesandpublications/ep/p-me</a>	% of metered electricity generation by Wind	%	-	-	-	-	-	38.8	33.1	35.1	38.9
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-me">https://www.cso.ie/en/releasesandpublications/ep/p-me</a>	% of metered electricity generation by Solar (%)	%	-	-	-	-	-	0	0	0.1	1.5
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-me">https://www.cso.ie/en/releasesandpublications/ep/p-me</a>	Net imports (million MWh)	million MWh	-	-	-	-	-	-151649	1587594	251896	3274752
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-me">https://www.cso.ie/en/releasesandpublications/ep/p-me</a>	Renewable Energy Source Generation Share (%)	%	-	-	-	-	-	43.2%	37.1%	38.6%	45.0%
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-dc">https://www.cso.ie/en/releasesandpublications/ep/p-dc</a>	Data Centre Electricity Consumption (GWh)	GWh	-	-	-	-	-	3019	4001	5270	6334
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-dc">https://www.cso.ie/en/releasesandpublications/ep/p-dc</a>	Data Centre Electricity Consumption Change (%)	%	-	-	-	-	-	21.8%	32.5%	31.7%	20.2%
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-dc">https://www.cso.ie/en/releasesandpublications/ep/p-dc</a>	Data Centre % of metered electricity consumed (%)	%	-	-	-	-	-	11%	14%	18%	21%
<a href="https://www.eirgridgroup.com/how-the-grid-works/renewable">https://www.eirgridgroup.com/how-the-grid-works/renewable</a>	Installed Onshore Wind Capacity (MW)	MW	-	-	-	-	-	4297	4307	4502	4715
<a href="https://www.eirgridgroup.com/how-the-grid-works/renewable">https://www.eirgridgroup.com/how-the-grid-works/renewable</a>	Installed Offshore Wind Capacity (MW)	MW	-	-	-	-	-	25	25	25	25
<a href="https://www.eirgridgroup.com/how-the-grid-works/renewable">https://www.eirgridgroup.com/how-the-grid-works/renewable</a>	Installed Solar Capacity (MW)	MW	-	-	-	-	-	-	0	52	436
<a href="https://www.eirgridgroup.com/how-the-grid-works/renewable">https://www.eirgridgroup.com/how-the-grid-works/renewable</a>	Installed Hydro Capacity (MW)	MW	-	-	-	-	-	-	235	235	235
<a href="https://www.eirgridgroup.com/how-the-grid-works/renewable">https://www.eirgridgroup.com/how-the-grid-works/renewable</a>	Installed Other Capacity (MW)	MW	-	-	-	-	-	-	156	156	278
<a href="https://www.eirgridgroup.com/how-the-grid-works/renewable">https://www.eirgridgroup.com/how-the-grid-works/renewable</a>	Battery Storage Capacity (MW)	MW	-	-	-	-	-	-	266	474	549
<a href="https://www.eirgridgroup.com/how-the-grid-works/renewable">https://www.eirgridgroup.com/how-the-grid-works/renewable</a>	Pumped Hydro Capacity (MW)	MW	-	-	-	-	-	-	292	292	292
<a href="https://www.cisireland.com">CIS database: Log in - CIS Online (cisireland.com)</a>	Wind Plans Awaiting Decision (MW)	MW	-	-	-	-	-	-	-	-	460 <sup>a</sup>
<a href="https://www.cisireland.com">CIS database: Log in - CIS Online (cisireland.com)</a>	Wind Plans Granted 2023 (MW)	MW	-	-	-	-	-	-	-	-	530 <sup>a</sup>
<a href="https://www.cisireland.com">CIS database: Log in - CIS Online (cisireland.com)</a>	Wind Plans Refused 2023 (MW)	MW	-	-	-	-	-	-	-	-	130 <sup>a</sup>
<a href="https://www.cisireland.com">CIS database: Log in - CIS Online (cisireland.com)</a>	Solar Plans Awaiting Decision (MW)	MW	-	-	-	-	-	-	-	-	600 <sup>a</sup>
<a href="https://www.cisireland.com">CIS database: Log in - CIS Online (cisireland.com)</a>	Solar Plans Granted 2023 (MW)	MW	-	-	-	-	-	-	-	-	780 <sup>a</sup>
<a href="https://www.cisireland.com">CIS database: Log in - CIS Online (cisireland.com)</a>	Solar Plans Refused 2023 (MW)	MW	-	-	-	-	-	-	-	-	135 <sup>a</sup>

<sup>a</sup> Estimated from Local Authority Planning applications recorded on CIS database

**Built Environment**

Source	Category	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023
<a href="https://www.epa.ie/publications/monitoring--assessment/climate-change/air-en">https://www.epa.ie/publications/monitoring--assessment/climate-change/air-en</a>	Built Environment Emissions Total	Mt CO2	8.29	8.49	7.94	8.55	8.27	8.69	8.31	7.20	6.76
<a href="https://www.epa.ie/publications/monitoring--assessment/climate-change/air-en">https://www.epa.ie/publications/monitoring--assessment/climate-change/air-en</a>	Built Environment (residential) Emissions	Mt CO2	6.71	7.00	6.51	7.00	6.73	7.34	6.87	5.75	5.35
<a href="https://www.epa.ie/publications/monitoring--assessment/climate-change/air-en">https://www.epa.ie/publications/monitoring--assessment/climate-change/air-en</a>	Built Environment (commercial and public services) Emissions	Mt CO2	1.57	1.49	1.43	1.55	1.54	1.34	1.44	1.45	1.41
<a href="https://www.seai.ie/data-and-insights/seai-statistics/monthly-energy-data/">https://www.seai.ie/data-and-insights/seai-statistics/monthly-energy-data/</a>	Heating Kerosene Deliveries	ktoe		906	858	949	913	1,065	944	789	785
<a href="https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy">https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy</a>	Final Residential Energy Consumption	ktoe	2,852	2,958	2,833	3,019	2,944	3,200	3,069	2,693	2,577
<a href="https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy">https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy</a>	Residential Natural Gas demand as % of final energy consumption	%	19.46%	19.03%	19.61%	20.01%	20.09%	18.43%	19.39%	20.04%	18.04%
<a href="https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy">https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy</a>	Residential Oil demand as % of final energy consumption	%	38.90%	40.48%	40.41%	40.66%	41.11%	43.49%	40.86%	38.80%	40.44%
<a href="https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy">https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy</a>	Residential Coal demand as % of final energy consumption	%	8.67%	8.69%	6.91%	7.18%	6.32%	6.10%	6.05%	4.61%	3.75%
<a href="https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy">https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy</a>	Residential Peat demand as % of final energy consumption	%	7.03%	6.66%	6.65%	6.51%	6.23%	5.92%	5.88%	5.96%	5.42%
<a href="https://www.seai.ie/data-and-insights/seai-statistics/key-publications/renewable-energy-in-ireland/">https://www.seai.ie/data-and-insights/seai-statistics/key-publications/renewable-energy-in-ireland/</a> <a href="https://ec.europa.eu/eurostat/databrowser/view/nrg_ind_ren__custom_13398751/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/nrg_ind_ren__custom_13398751/default/table?lang=en</a>	Renewable Heat	%	6.1	6.2	6.6	6.4	6.3	6.3	4.9	6.3	7.2
<a href="https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy">https://www.seai.ie/data-and-insights/seai-statistics/annual-energy-data/energy</a>	Final Energy Consumption - ambient heat	TWh	0.3	0.4	0.5	0.5	0.6	0.8	0.9	1.2	1.5
<a href="https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf">https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf</a>	Number of property upgrades under SEAI Programmes	Number					24,776	17,546	15,246	27,200	47,953
<a href="https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf">https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf</a>	Capital Expenditure under SEAI Programmes €m	€m					103	79	99	188	320
<a href="https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf">https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf</a>	Number of B2s achieved under SEAI Programmes	Number					2,423	3,275	4,340	8,476	17,601
<a href="https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf">https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf</a>	Number of heat pumps installed under SEAI Programmes	Number					1,130	1,454	1,972	2,271	3,769
<a href="https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf">https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf</a>	Solar PV installs under SEAI Programmes	Number								10,017	22,214
<a href="https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf">https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf</a>	Number of LA Retrofits	Number	16,002	11,303	5,421	4,453	3,763	1,470	1,584	1,948	2,252
<a href="https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf">https://www.seai.ie/publications/SEAI-Retrofit-Full-Year-Report-2023.pdf</a>	Capital Expenditure under LA Programmes	€	26,903,781	22,532,835	8,665,268	12,942,633	23,379,615	9,972,802	21,741,056	54,150,439	70,236,006
Central Statistics Office	% A and B BER rated domestic dwellings	%	12.00%	13.00%	14.00%	15.00%	16.00%	23.00%	24.00%	25.82%	27.00%
Central Statistics Office	% A and B BER rated commercial buildings	%	13.05%	13.10%	14.40%	16.52%	17.09%	16.66%	19.70%	22.86%	30.18%
Central Statistics Office, Pers Comm, 5_6_26	New domestic dwellings using electricity as main space heating fuel	Number				6,313	12,622	12,528	13,904	19,965	17,112
Central Statistics Office, Pers Comm, 5_6_27	% new domestic dwellings using electricity as main space heating fuel	%				46.37	64.23	78.54	90.67	93.42	96.32
<a href="https://www.cso.ie/en/releasesandpublications/ep/p-ndber/non-domesticbuildings/">https://www.cso.ie/en/releasesandpublications/ep/p-ndber/non-domesticbuildings/</a>	Existing commercial buildings with electricity as main space heating	Number				32,392	35,096	36,913	39,188	41,735	43,715
<a href="https://www.seai.ie/business-and-public-sector/public-sector/monitoring-and-reports/">https://www.seai.ie/business-and-public-sector/public-sector/monitoring-and-reports/</a>	% Energy Efficiency Gains in Public Bodies (includes heating and electricity)	%	21%	20%	24%	27%	29%	34%	32%	33%	
<a href="https://www.seai.ie/business-and-public-sector/public-sector/monitoring-and-reports/">https://www.seai.ie/business-and-public-sector/public-sector/monitoring-and-reports/</a>	Energy Consumption of Public Bodies* GWh (includes heating and electricity)	GWh	9,343	9,375	10,248	10,178	9,898	9,160	9,787	9,888	
<a href="https://www.seai.ie/publications/District-Heating-and-Cooling.pdf">https://www.seai.ie/publications/District-Heating-and-Cooling.pdf</a>	District Heating Capacity/Supply	% all heat								<1%	<1%

**Enterprise and Waste**

Source	Category	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023
<a href="https://www.epa.ie/publications/monitoring--assessment/climate-change/air-emissions">https://www.epa.ie/publications/monitoring--assessment/climate-change/air-emissions</a> <a href="#">National Energy Balance   Key Publications   SEAI</a>	Sectoral emissions (from manufacturing combustion, industrial processes and F-gases)	Mt CO <sub>2</sub> eq	7.4	7.7	7.9	7.8	7.7	7.4	7.8	7.4	7.0
<a href="#">National Energy Balance   Key Publications   SEAI</a>	Percentage electricity in industry energy consumption	%	27.9	27.7	26.7	24.9	24.9	25.8	26.2	26.7	28.0
<a href="#">National Energy Balance   Key Publications   SEAI</a>	Percentage renewables in industry energy consumption	%	8.9	8.4	8.9	9.0	8.7	8.3	8.0	8.6	8.3
<a href="#">National Energy Balance   Key Publications   SEAI</a>	Percentage natural gas in industry energy consumption	%	39.9	41.5	42.3	43.8	45.0	45.5	44.1	42.4	41.2
<a href="#">National Energy Balance   Key Publications   SEAI</a>	Percentage fossil fuels in industry energy consumption	%	61.0	61.8	61.7	63.7	63.8	63.5	63.4	61.9	60.1
<a href="#">National Energy Balance   Key Publications   SEAI</a>	Percentage non-renewable waste in industry energy consumption	%	2.2	2.0	2.6	2.5	2.6	2.4	2.4	2.7	3.6
<a href="https://data.cso.ie/table/MIA04">https://data.cso.ie/table/MIA04</a>	Industrial Production Index (manufacturing industries)	Base year (2015) = 100 %	100	104.8	102.2	97.9	104	117.2	155	186	171
<a href="https://data.cso.ie/table/MIA04">https://data.cso.ie/table/MIA04</a>	Industrial Production Index (other non-metallic mineral products)	Base year (2015) = 100 %	100	113.9	123.3	129.7	131.4	128.5	145.3	163	151.7
<a href="#">UNIDO Statistics Data Portal</a>	UNIDO IIP (Food Products)	Base year (2015) = 100 %	100	97.9	94.4	98.2	96.5	100	118.4	123.3	134.5
<a href="#">UNIDO Statistics Data Portal</a>	UNIDO IIP (other non-metallic mineral products)	Base year (2015) = 100 %	100	114.1	123.5	129.5	131.2	128.2	145.1	163.1	151.9
<a href="#">UNIDO Statistics Data Portal</a>	UNIDO IIP (Basic Metals)	Base year (2015) = 100 %	100	111.1	112	102.6	118	108.9	121.2	155.2	185.8
<a href="https://www.epa.ie/publications/monitoring--assessment/climate-change/air-emissions">https://www.epa.ie/publications/monitoring--assessment/climate-change/air-emissions</a> <a href="https://ec.europa.eu/eurostat/databrowser/view/sdg_12_41/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/sdg_12_41/default/table?lang=en</a>	Sectoral emissions (from waste)	Mt CO <sub>2</sub> eq	1.02	1.02	0.98	0.93	0.90	0.88	0.83	0.88	0.85
<a href="#">Statistics   Eurostat (europa.eu)</a>	Circularity rate	%	1.9	1.7	1.7	1.6	1.6	1.8	1.9	1.8	-
<a href="#">Municipal   Environmental Protection Agency (epa.ie)</a> <a href="https://www.epa.ie/our-services/monitoring--assessment/waste/national-waste-statistics">https://www.epa.ie/our-services/monitoring--assessment/waste/national-waste-statistics</a>	Waste	Mt	-	15.3	-	14.0	-	16.2	17.6 <sup>a</sup>	-	-
<a href="https://ec.europa.eu/eurostat/databrowser/view/env_wasmun/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/env_wasmun/default/table?lang=en</a>	Municipal waste	Mt	Data gap	2.76	2.77	2.91	3.09	3.21	3.17	-	-
<a href="https://ec.europa.eu/eurostat/databrowser/view/sdg_11_60/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/sdg_11_60/default/table?lang=en</a>	Biodegradable municipal waste to landfill	Mt	278,000	390,000	307,000	190,000	145,000	104,000	109,000	129,500	-
<a href="https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en</a>	Percentage municipal waste landfilled	%	Data gap	26	23	14	15	16	16	-	-
<a href="https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en</a>	Percentage recycling of municipal waste	%	Data gap	41	40	38	37	41	41	-	-
<a href="https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en</a>	Percentage recycling of packaging waste	%	68	67	66	64	63	62	58	-	-
<a href="https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en">https://ec.europa.eu/eurostat/databrowser/view/cei_wm020/default/table?lang=en</a>	Percentage recycling of plastic packaging waste	%	30	31	31	27	28	29	28	-	-
Gas Networks Ireland, "Ireland Monthly Gas Demand Report," 2024	ROI Gas demand (Industrial and Commercial)	GWh	-	-	-	-	-	-	-	15673	14862

<sup>a</sup> EPA National Waste Statistics : <https://www.epa.ie/our-services/monitoring--assessment/waste/national-waste-statistics/>