AtkinsRéalis

Appendix 12-2 – Purpose-built LCA Tool Emissions Factors

Uisce Éireann
October 2026

BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Appendix 12-2 Purpose-built LCA Tool Emissions Factors

Emissions Factors (List of sources used)	
EF.0	All emission factors and standards used can be checked in the 'Factors and Profiles' sheet further back in the workbook. (See sources for further assumptions)
EF.1	DEFRA 2023
EF.2	IPCC 2006/2019
EF.3	CAW v17
EF.4	Department for Energy Security and Net Zero 2024 Dataset
EF.5	ICE v3.0 (Nov 2019)
EF.6	CESMM4 Carbon & Price Book 2013
EF.7	UKWIR Carbon Accounting Workbook v16
EF.8	CAW 2022
EF.9	National Highways Carbon Conversion Tool V2.6, September 2022
EF.10	UÉ's Draft Wastewater Sludge Thickening & Dewatering Facilities (TEC-700-900-XX) - Table 2-2
EF.11	UÉ's Draft Wastewater Sludge Thickening & Dewatering Facilities (TEC-700-900-XX)
EF.12	SEAI 2022 Energy Factors
EF.13	RICS Whole life carbon assessment for the built environment, Version 2 November 2023, Table 17
EF.14	https://www.generatorsource.com/Diesel_Fuel_Consumption.aspx (accessed 18/10/2024)
EF.15	Crew Breakdown in Open Cut and HDD Carbon Assessment Model Details - GMC Response excel file (18/10/2024)