BVPI 82c – Percentage of the total tonnage of household waste arisings which have been used to recover heat, power & other energy sources

What the indicator measures:

Numerator

Total tonnage of household waste collected by the authority which is used to recover heat, power & other energy sources

x 100

Denominator

Total tonnage of household waste arisings

How the numerator and denominator are calculated using WasteDataFlow is summarised below setting out the questions data is drawn from.

Numerator

1.Sum of tonnage inputs to Q54 & Q57(net of material diverted for recycling in Q57, not char/slag) plus;

Sum of tonnage sent for energy recovery via other treatment routes Q59, Q64 and Q65 plus; Tonnes of RDF produced from Q56 all multiplied by residual - household waste adjustment factor

Q56, Q57, Q59, Q64, Q65 material diverted for recycling is included in 82a

Include household waste sent for energy recovery as outputs from Q56, Q59, Q64, Q65. Some tonnages sent for residual treatment may come from non-household sources which need to be excluded Residual household waste adjustment factor: % household calculated from new Q69 OR if not answered; ratio of total residual household waste collected in Q23 to total municipal waste in Q23



2. A proportion of rejects sent to energy recovery/Advanced Thermal Treatment in Q19 attributable to amount collected from household source

Ratio of household waste sent to energy recovery/ ATT (as identified by the drop down selection list) as a proportion of all recycling but excluding rubble: (Total sent for recycling from Q10, Q12, Q16, Q17, Q33 and Q34, for all material types excluding rubble + Q18 household recycling tonnages)/(total sent for recycling from Q10, Q11, Q12, Q16, Q17, Q33 and Q34, for all material types excluding rubble + Q18 total recycling tonnage) *Q19 rejects for household categories to energy recovery excluding rubble



3. Recycling rejects from household sources Q10, Q12, Q16, Q17, Q18, Q33 and Q34, (excl.rubble) multiplied by % rejects sent for energy recovery

Adjust recycling rejects from household sources in Q10, Q12, Q16, Q17, Q18, Q33 and Q34 to reflect those sent for energy recovery:

% rejects sent to energy recovery =(Q19 rejects to energy recovery/total Q19 rejects)



4.MRF rejects in Q58 sent for energy recovery from household sources

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Add MRF rejects to energy recovery from household sources. Some MRF rejects may be from non-household sources & need to be excluded:
Q58 MRF rejects sent for energy recovery * (comingled tonnages, from Q10, Q12, Q16, Q17, Q33, Q34)/(all co-mingled tonnages from Q10, Q11, Q12, Q16, Q17, Q33, Q34)

Denominator

1. Total tonnage of household waste collected for recycling/composting from Q10, Q12, Q16, Q17, Q18 (household waste column), Q33 and Q34.



Excludes rubble and re-use.

Material rejected is not deducted as this is part of the total household waste arisings.



2. Total tonnage of residual household waste from O23



All collected household waste, CA site household, separately collected healthcare waste & gully emptyings.