## **Special Interest Group's Recommended Indicators and Metrics**

## **Indicators and Calculations**



Supply Chain School issue	Recommended performance indicator	Indicator calculation
Waste	% waste diverted from landfill (by weight)	= <u>Total waste diverted from landfill</u> x100 Total waste generated
	Total waste produced (by weight) per £1 million spend	= <u>Total waste generated</u> x 1,000,000 Spend (£)
Water	Potable and non-potable water use per £1 million spend	= <u>Potable water + non-potable water</u> x 1,000,000 Spend (£)
Carbon	tCO2e released per £1 million spend including: waste and logistics/deliveries excluding: passenger vehicles (staff and visitors)	= <u>tCO2e</u> x 1,000,000 Spend (£)
Materials	% materials purchased that were responsibly sourced (by volume)	= <u>Volume of responsibly sourced materials</u> x 100 Total volume of materials

## **Indicators and metrics**

NB: please not that there are different definitions for different sectors of the Supply Chain School. Where there is is no definition given, it is likely that this metric is not applicable to you. Please ask your client for confirmation.

Please refer to the guidance document when using this matrix, particularly for unit conversion factors (https://www.supplychainschool.co.uk/default/performance measurement.aspx).

KEY:	- Total waste generated	Parent metric: calculated as a sum of the metrics below  NB: be careful to avoid double counting, such as counting FSC
NET.	Total non-hazardous waste	Sub matrics
	Demolition waste - non-hazardous	Sub-metrics

Supply Chain School	Recommended performance	Metrics	Definition - construction / homes	Definition - infrastructure	Definition - FM	Unit to
issue	indicator					report in
Waste	% waste diverted from landfill (by weight)	- Total waste generated	intends to discard from the site, whatever the final destination of that waste	intends to discard from the site, whatever the final destination of that waste	intends to discard from the site, whatever the final destination of that waste	tonnes
		Total non-hazardous waste	Total waste non-hazardous materials and items that are inert (e.g. rocks, rubble, ceramics, concrete, masonry, brick) or active (e.g. timber)	Total waste non-hazardous materials and items that are inert (e.g. rocks, rubble, ceramics, concrete, masonry, brick) or active (e.g. timber)	Total waste materials and items that are inert (e.g. cutlery) or active (e.g. food waste)	tonnes
		Demolition waste - non-hazardous	site (that is inert or active)	Tonnes of non-hazardous demolition waste from this site (that is inert or active)		tonnes
		Excavation waste - non-hazardous	Tonnes of non-hazardous excavation waste from this site (that is inert or active)  Tonnes of non-hazardous construction waste from	Tonnes of non-hazardous excavation waste from this site (that is inert or active)  Tonnes of non-hazardous construction waste from		tonnes
		Construction waste - non-hazardous	this site (that is inert or active)	this site (that is inert or active)		tonnes
		Active FM waste - non-hazardous			Tonnes of active FM waste from this site (non-hazardous)	tonnes
		Inert FM waste - non-hazardous			Tonnes of inert FM waste from this site (non-hazardous)	tonnes
		Total hazardous waste	hazardous properties in the Hazardous Waste Directive and/or are identified as hazardous from their European Waste Catalogue (EWC) six digit	Materials or items that possess one or more of the hazardous properties in the Hazardous Waste Directive and/or are identified as hazardous from their European Waste Catalogue (EWC) six digit number, whatever the final destination of that waste	Materials or items that possess one or more of the hazardous properties in the Hazardous Waste Directive and/or are identified as hazardous from their European Waste Catalogue (EWC) six digit number, whatever the final destination of that waste	tonnes
		Demolition waste - hazardous	Tonnes of demolition waste from this site that is hazardous	Tonnes of demolition waste from this site that is hazardous		tonnes
		Excavation waste - hazardous	Tonnes of excavation waste from this site that is hazardous	Tonnes of excavation waste from this site that is hazardous		tonnes
		Construction waste - hazardous	Tonnes of construction waste from this site that is hazardous	Tonnes of construction waste from this site that is hazardous		tonnes
		FM waste - hazardous			Tonnes of hazardous FM waste from this site	tonnes
		- Total waste diverted from landfill	Waste items and materials that are re-used (repurposed), recycled (re-processed), recovered (waste to energy) or composted and so not sent to landfill, in this period	Waste items and materials that are re-used (repurposed), recycled (re-processed), recovered (waste to energy) or composted and so not sent to landfill, in this period	Waste items and materials that are re-used (repurposed), recycled (re-processed), recovered (waste to energy) or composted and so not sent to landfill, in this period	tonnes
		Demolition waste diverted from landfill	that are re-used, recycled, recovered or composted and so not sent to landfill	that are re-used, recycled, recovered or composted and so not sent to landfill		tonnes
		Demolition waste Re-used	Demolition waste items and materials that are reused	Demolition waste items and materials that are re- used		tonnes
		Demolition waste Recycled	Demolition waste items and materials that are recycled	Demolition waste items and materials that are recycled		tonnes
		Demolition waste Recovered (waste to energy)	Demolition waste items and materials that are recovered by converting to energy	Demolition waste items and materials that are recovered by converting to energy		tonnes
		Demolition waste Composted	Demolition waste items and materials that are composted	Demolition waste items and materials that are composted		tonnes

	Recommended performance indicator	Metrics	Definition - construction / homes	Definition - infrastructure	Definition - FM	Unit to report in
Waste	continued	Construction waste diverted from landfill	that are re-used, recycled, recovered or composted and so not sent to landfill	that are re-used, recycled, recovered or composted and so not sent to landfill		tonnes
	% waste diverted from landfill (by weight)	Construction waste Re-used	Construction waste items and materials that are re- used	Construction waste items and materials that are reused		tonnes
		Construction waste Recycled	Construction waste items and materials that are recycled	Construction waste items and materials that are recycled		tonnes
		Construction waste Recovered (waste to energy)	Construction waste items and materials that are recovered by converting to energy	Construction waste items and materials that are recovered by converting to energy		tonnes
		Construction waste Composted	Construction waste items and materials that are composted	Construction waste items and materials that are composted		tonnes
		Excavation waste diverted from landfill	that are re-used, recycled, recovered or composted and so not sent to landfill	that are re-used, recycled, recovered or composted and so not sent to landfill		tonnes
		Excavation waste Re-used	Excavation waste items and materials that are re- used	Excavation waste items and materials that are reused		tonnes
		Excavation waste Recycled	Excavation waste items and materials that are recycled	Excavation waste items and materials that are recycled		tonnes
		Excavation waste Recovered (waste to energy)	Excavation waste items and materials that are recovered by converting to energy	Excavation waste items and materials that are recovered by converting to energy		tonnes
		Excavation waste Composted	Excavation waste items and materials that are composted	Excavation waste items and materials that are composted		tonnes
		Active FM waste (non-hazardous) diverted from landfill			Active FM waste (non-hazardous) items and materials from this site that are re-used, recycled, recovered or composted and so not sent to landfill	tonnes
		Active FM waste Re-used			Active FM waste (non-hazardous) items and materials that are re-used	tonnes
		Active FM waste Recycled			Active FM waste (non-hazardous) items and materials that are recycled	tonnes
		Active FM waste Recovered (waste to energy)			Active FM waste (non-hazardous) items and materials that are recovered by converting to energy Active FM waste (non-hazardous) items and	tonnes
		Active FM waste Composted			materials that are composted	tonnes
		Inert FM waste (non-hazardous) diverted from landfill			Inert FM waste (non-hazardous) items and materials from this site that are re-used, recycled, recovered or composted and so not sent to landfill	Itonnec
		Inert FM waste Re-used			Inert FM waste (non-hazardous) items and materials that are re-used	tonnes
		Inert FM waste Recycled			Inert FM waste (non-hazardous) items and materials that are recycled	tonnes
		Inert FM waste Recovered (waste to energy)			Inert FM waste (non-hazardous) items and materials that are recovered by converting to energy	tonnes
		Inert FM waste Composted			Inert FM waste (non-hazardous) waste items and materials that are composted	tonnes
		Hazardous waste diverted from landfill			site that are re-used, recycled, recovered or composted and so not sent to landfill	tonnes
		Hazardous FM waste Re-used			Hazardous FM waste items and materials that are reused	tonnes
		Hazardous FM waste Recycled			Hazardous FM waste items and materials that are recycled	tonnes
		Hazardous FM waste Recovered (waste to energy)			Hazardous FM waste items and materials that are recovered by converting to energy	tonnes
		Hazardous FM waste Composted			Hazardous FM waste items and materials that are composted	tonnes

Supply Chain School	Recommended performance	Metrics	Definition - construction / homes	Definition - infrastructure	Definition - FM	Unit to
issue	indicator					report in
Waste	Total waste produced (by weight) per £1 million spend	- Total waste generated	from the site, whatever the final destination of that waste, in this period	from the site, whatever the final destination of that waste, in this period	from the site, whatever the final destination of that waste, in this period	tonnes
		Total non-hazardous waste	Total waste non-hazardous materials and items that are inert (e.g. rocks, rubble, ceramics, concrete, masonry, brick) or active (e.g. timber)	Total waste non-hazardous materials and items that are inert (e.g. rocks, rubble, ceramics, concrete, masonry, brick) or active (e.g. timber)	Total waste materials and items that are inert (e.g. cutlery) or active (e.g. food waste)	tonnes
		Demolition waste - non-hazardous	site (that is inert or active)	Tonnes of non-hazardous demolition waste from this site (that is inert or active)		tonnes
		Excavation waste - non-hazardous	site (that is inert or active)	Tonnes of non-hazardous excavation waste from this site (that is inert or active)		tonnes
		Construction waste - non-hazardous	Tonnes of non-hazardous construction waste from this site (that is inert or active)	Tonnes of non-hazardous construction waste from this site (that is inert or active)		tonnes
		Active FM waste - non-hazardous			Tonnes of active FM waste from this site (non-hazardous)	
		Inert FM waste - non-hazardous			Tonnes of inert FM waste from this site (non-hazardous)	tonnes
		Total hazardous waste	hazardous properties in the Hazardous Waste Directive and/or are identified as hazardous from their European Waste Catalogue (EWC) six digit	Materials or items that possess one or more of the hazardous properties in the Hazardous Waste Directive and/or are identified as hazardous from their European Waste Catalogue (EWC) six digit number, whatever the final destination of that waste	Materials or items that possess one or more of the hazardous properties in the Hazardous Waste Directive and/or are identified as hazardous from their European Waste Catalogue (EWC) six digit number, whatever the final destination of that waste	tonnes
		Demolition waste - hazardous	Tonnes of demolition waste from this site that is hazardous	Tonnes of demolition waste from this site that is hazardous		tonnes
		Excavation waste - hazardous	Tonnes of excavation waste from this site that is hazardous	Tonnes of excavation waste from this site that is hazardous		tonnes
		Construction waste - hazardous FM waste - hazardous	Tonnes of construction waste from this site that is hazardous	Tonnes of construction waste from this site that is hazardous	Tonnes of hazardous FM waste from this site	tonnes
)A/-4-::	Details and non-netable water and					tonnes
Water	Potable and non-potable water use	- Total Project water	Total volume of water used on site in this period	Total volume of water used on site in this period	this period	M <sup>3</sup>
	per £1 million spend	Mains water (potable water)	in this period	Volumes of mains water consumed and used on site in this period	Volumes of mains water consumed and used on site in this period	M <sup>3</sup>
		Licensed water abstractions (non-potable water)	Volumes of water abstracted from surface water or groundwater on site, for site use, in this period. None must be abstracted without relevant licenses / permits.	Volumes of water abstracted from surface water or groundwater on site, for site use, in this period. None must be abstracted without relevant licenses / permits.		$M^3$
		Water recovered on site (non-potable water)	Volumes of water recovered and used and/or re- used on site (e.g. rain water harvesting, grey water recycling) in this period	Volumes of water recovered and used and/or re- used on site (e.g. rain water harvesting, grey water recycling) in this period	Volumes of water recovered and used and/or re- used in building or in site (e.g. rain water harvesting, grey water recycling) in this period	M <sup>3</sup>

Supply Chain School	Recommended performance	Metrics	Definition - construction / homes	Definition - infrastructure	Definition - FM	Unit to
ssue	indicator					report in
arbon	tCO₂e released per £1 million		Tonnes of carbon dioxide equivalent emitted (we	Tonnes of carbon dioxide equivalent emitted (we	Tonnes of carbon dioxide equivalent emitted (we	
	spend	- tCO2e	recommend this isn't directly reported by supply	recommend this isn't directly reported by supply	recommend this isn't directly reported by supply	
	including: waste and		chain)	chain)	chain)	tCO2e
	logistics/deliveries					
	excluding: passenger vehicles (staff	Current electricity consumption on site	Consumption of mains electricity on site, in this	Consumption of mains electricity on site, in this	Consumption of mains electricity on site, in this	
	and visitors)	, '	period	period	period	kWh
		Total current gas consumption on site	Consumption of gas on site, in this period	Consumption of gas on site, in this period	Consumption of gas on site, in this period	
		Natural gas	Consumption of natural gas on site	Consumption of natural gas on site	Consumption of natural gas on site	kWh
		· ·	, ,			
		LPG	Consumption of liquefied petroleum gas on site	Consumption of liquefied petroleum gas on site		Litres
		LNG	Consumption of liquefied natural gas on site	Consumption of liquefied natural gas on site		kWh
		CNG	Consumption of compressed natural gas on site	Consumption of compressed natural gas on site		Litres
			р то р то р	, , , , , , , , , , , , , , , , , , ,		
		Other petroleum gas	Consumption of any other petroleum gas on site	Consumption of any other petroleum gas on site		kWh
		Fuel consumption on site	Total consumption of fuel on site	Total consumption of fuel on site		
		Burning oil	Consumption of burning oil on site	Consumption of burning oil on site	Consumption of burning oil on site	Litres
			Consumption of average biofuel blend diesel	Consumption of average biofuel blend diesel		
		Diesel (average biofuel blend)	(forecourt) on site	(forecourt) on site		Litres
		Diesel (100% mineral diesel)	Consumption of 100% mineral diesel on site	Consumption of 100% mineral diesel on site		Litres
		Gas oil	Consumption of gas oil (red diesel) on site	Consumption of gas oil (red diesel) on site	Consumption of gas oil (red diesel) on site	Litres
			Consumption of average biofuel blend petrol	Consumption of average biofuel blend petrol		
		Petrol (average biofuel blend)	(forecourt) on site	(forecourt) on site		Litres
		Petrol (100% mineral petrol)	Consumption of 100% mineral petrol on site	Consumption of 100% mineral petrol on site		Litres
		Road miles (logistics - deliveries)	· ·	Road miles travelled by vehicles to make deliveries to	1	0
		, ,	site, from location of pick-up to next job	site, from location of pick-up to next job	site, from location of pick-up to next job	
			Road miles travelled by vehicles to make deliveries to	Road miles travelled by vehicles to make deliveries to	Road miles travelled by vehicles to make deliveries to	0
		Average van	*	site, from location of pick-up to next job, in this type	1	
			of vehicle	of vehicle	of vehicle	Miles
			Road miles travelled by vehicles to make deliveries to	Road miles travelled by vehicles to make deliveries to	Road miles travelled by vehicles to make deliveries to	0
		HGV All Rigids - Average Laden	site, from location of pick-up to next job, in this type	site, from location of pick-up to next job, in this type	site, from location of pick-up to next job, in this type	
			of vehicle	of vehicle	of vehicle	Miles
			Road miles travelled by vehicles to make deliveries to	Road miles travelled by vehicles to make deliveries to	Road miles travelled by vehicles to make deliveries to	0
		HGV All Articulated - Average Laden	site, from location of pick-up to next job, in this type	site, from location of pick-up to next job, in this type	site, from location of pick-up to next job, in this type	
			of vehicle	of vehicle	of vehicle	Miles
			Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	
		Road miles (logistics - waste)	take it to a waste broker and/or disposer		take it to a waste broker and/or disposer	
			take it to a waste broker and/or disposer	take it to a waste broker and/or disposer	take it to a waste broker and/or disposer	
			Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	
		Average van	take it to a waste broker and/or disposer, in this type	take it to a waste broker and/or disposer, in this type	take it to a waste broker and/or disposer, in this type	9
			of vehicle	of vehicle	of vehicle	Miles
			Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	
		HGV All Rigids - Average Laden	take it to a waste broker and/or disposer, in this type	take it to a waste broker and/or disposer, in this type	take it to a waste broker and/or disposer, in this type	e
			of vehicle	of vehicle	of vehicle	Miles
			Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	Road miles to travel to site to collect waste and then	
		HGV All Articulated - Average Laden	take it to a waste broker and/or disposer, in this type	take it to a waste broker and/or disposer, in this type	take it to a waste broker and/or disposer, in this type	
			of vehicle	of vehicle	of vehicle	Miles

Supply Chain School issue	Recommended performance indicator	Metrics	Definition - construction / homes	Definition - infrastructure	Definition - FM	Unit to report in
Materials	% materials purchased that were responsibly sourced (by volume)	- Total Timber	Total volume of timber and timber products purchased for use on site in this period	Total volume of timber and timber products purchased for use on site in this period	Total volume of timber and timber products purchased for use on site in this period	m3
		Timber - Certified	Volume of virgin timber and timber products purchased that have a chain of custody demonstrating compliance with timber accreditation schemes operated by the FSC, PEFC, FLEGT or equivalent	Volume of virgin timber and timber products purchased that have a chain of custody demonstrating compliance with timber accreditation schemes operated by the FSC, PEFC, FLEGT or equivalent	Volume of virgin timber and timber products purchased that have a chain of custody demonstrating compliance with timber accreditation schemes operated by the FSC, PEFC, FLEGT or equivalent	m3
		Timber 'Grown in Britain'	Volume of virgin timber and timber products purchased that have the 'Grown in Britain' certification	Volume of virgin timber and timber products purchased that have the 'Grown in Britain' certification	Volume of virgin timber and timber products purchased that have the 'Grown in Britain' certification	m3
		non- certified Timber	Volume of other timber purchased			m3
		- Total Aggregate	Total aggregate purchased in this period	Total aggregate purchased in this period		m3
		Aggregate - Certified	Aggregate purchased for use on site that is compliant with BES6001 or an equivalent standard	Aggregate purchased for use on site that is compliant with BES6001 or an equivalent standard		m3
		Aggregate Other	Other aggregate purchased for use on site			m3
		- Total materials excluding timber and aggregate	Total materials (other than timber and aggregate) purchased for use on site in this period	Total materials (other than timber and aggregate) purchased for use on site in this period	Total materials (other than timber and aggregate) purchased for use on site in this period	m3
		Total certified materials excluding timber and aggregate	Total materials (excluding timber and aggregate) purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard, in this period	Total materials (excluding timber and aggregate) purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard, in this period	Total materials (excluding timber and aggregate) purchased for use on site that are compliant with a responsible sourcing standard, in this period	m3
		Concrete - Certified	Concrete purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard	Concrete purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard		m3
		Bricks - Certified	Bricks purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard	Bricks purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard		m3
		Blocks - Certified	Blocks purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard	Blocks purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard		m3
		Pavers - Certified	Pavers purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard	Pavers purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard		m3
		Metals - Certified	Metal(s) purchased for use on site that is/are compliant with BES6001 or an equivalent responsible sourcing standard	Metal(s) purchased for use on site that is/are compliant with BES6001 or an equivalent responsible sourcing standard		m3
		Stone and gravel - Certified	Stone and gravel purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard	Stone and gravel purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard		m3
		Glass - Certified	Glass purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard	Glass purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard		m3
		Resin-based composites and materials - Certified	Resin-based composites and materials purchased for use on site that compliant with are BES6001 or an equivalent responsible sourcing standard	Resin-based composites and materials purchased for use on site that compliant with are BES6001 or an equivalent responsible sourcing standard		m3
		Plasterboard and plaster - Certified	Plasterboard and plaster purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard	Plasterboard and plaster purchased for use on site that is compliant with BES6001 or an equivalent responsible sourcing standard		m3
			Bituminous materials - Certified	Bituminous materials purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard	Bituminous materials purchased for use on site that are compliant with BES6001 or an equivalent responsible sourcing standard	

issue in Materials c	Recommended performance indicator continued	Metrics	Definition - construction / homes	Definition - infrastructure	Definition - FM	Unit to
%	continued					report in
r	% materials purchased that were	Plastics and rubbers - Certified	Plastics and rubbers purchased for use on site that	Plastics and rubbers purchased for use on site that		m3
	responsibly sourced (by volume)			are compliant with BES6001 or an equivalent		
				responsible sourcing standard		
			Dressed or building stone purchased for use on site	Dressed or building stone purchased for use on site		
		Dressed or building stone - Certified		that is compliant with BES6001 or an equivalent		m3
				responsible sourcing standard		
		Other wineral beard meterials. Contified	•	Other mineral-based materials purchased for use on		2
		Other mineral-based materials - Certified		site that are compliant with BES6001 or an equivalent responsible sourcing standard		m3
			equivalent responsible sourcing standard	equivalent responsible sourcing standard		+
		All other materials - Certified	Any other materials purchased for use on site that	Any other materials purchased for use on site that	Any other materials purchased for use on site that	m3
		7.11.00.101.11.001.000		are compliant with a responsible sourcing standard	are compliant with a responsible sourcing standard	,
						+
		Total non-certified materials excluding timber and aggregate	Total uncertified and non-secondary materials (other	Total uncertified and non-secondary materials (other	Total uncertified and non-secondary materials (other	m3
			than timber and aggregate) purchased for use on site	than timber and aggregate) purchased for use on site	than timber and aggregate) purchased for use on site	ا دِ
				in this period	in this period	
		Concrete (excluding certified and secondary)	Concrete used on site which is not certified or			m3
		construct (charaching continues and coopmany)	secondary			
		Bricks (excluding certified and secondary)				m3
			Bricks used on site which is not certified or secondary Blocks used on site which is not certified or			<del></del> '
		Blocks (excluding certified and secondary)	secondary			m3
			Pavers used on site which is not certified or			+
		Pavers (excluding certified and secondary)	secondary			m3
			Metal(s) used on site which is not certified or			+
		Metal(s) (excluding certified and secondary)	secondary			m3
		Stone and gravel (excluding certified and secondary)	Stone and gravel used on site which is not certified or			m2
		Storie and graver (excluding certified and secondary)	secondary			m3
		Glass (excluding certified and secondary)				m3
			Glass used on site which is not certified or secondary			ms
		Resin-based composites and materials (excluding certified and	Resin-based composites and materials used on site			m3
		secondary)	which is not certified or secondary			
		Plasterboard and plaster (excluding certified and secondary)	Plasterboard and plaster used on site which is not			m3
			certified or secondary  Bitumous materials used on site which is not certified			+
		Bituminous materials (excluding certified and secondary)	or secondary			m3
			Plastics and rubber used on site which is not certified			+
		Plastics and rubbers (excluding certified and secondary)	or secondary			m3
			Dressed or building stone used on site which is not			
		Dressed or building stone (excluding certified and secondary)	certified or secondary			m3
		Other mineral-based materials (excluding certified and	Other mineral based materials used on site which is			m2
		secondary)	not certified or secondary			m3
		All other materials (excluding certified and secondary)	Other materials used on site which is not certified	Other materials used on site which is not certified	Other materials used on site which is not certified	m3