

CO2struct Zero Performance Framework - for Consultation								
Priority	Businesses		Projects		Sector			
	Target	Commitment	Target	Commitment	Target	Commitment		
1	Accelerating the shift of the construction workforce to zero emission vehicles and onsite plant		1a: 10% year on year business mileage reduction from 2021-2025 Source: TIC	1b: EV charging points at all fixed workplaces by 2025 Source: TIC	1c: Site miles / Em of project costs to reduce 10% year on year from 2025 Source: TIC	1d: Projects to measure and report site miles / Em of project costs by 2025 Source: Carbon Reduction Guide?	1e: EV 100- 50% of sector companies to sign up to EV100 Pledge by 2025 Source: EV100	1f: All diesel plant to be eliminated from construction sites by 2035 Source: TIC
	2: 50% new company cars to be EV by 2025 progressing to 100% by 2030 Source: TIC		2a: All plant hire companies to offer alternative zero emissions plant to every customer by 2025 Source: TIC	2b: Projects to set target for waste tonnes / Em project costs by 2022 and report seeking a 10% year on year reduction Source: BIM Smart Water / CIC Smart Core Dashboard	2c: Projects to measure worker productivity on site FTE / Em turnover by 2022 Source: TIC	2d: Measure Industry Productivity EU/FTE Source: TIC	2e: Over £1 billion worth of zero diesel construction sites to be operating from 2025 Source: CIC Business Champions	2f: Every contracting business over 250 staff to trial 1 zero diesel site by end of 2022 Source: CIC Trailblazers
	3: 50% new company vans to be EV by 2027 progressing to 100% by 2035 Source: TIC		3a: Contracting business over 250 staff to trial 1 zero diesel site by end of 2022 Source: TIC	3b: Logistics efficiency: Number of deliveries per Em of project cost: Measure from 2022 Report from 2023 Source: TIC	3c: All projects to incorporate an assessment of Sustainable Transport within investment appraisal from 2022 Source: Value Toolkit	3d: From 2025, all planning applications must connect to public / Active transport and include EV charging where parking is provided Source: TIC Future Homes Trailblazer	3e: RTPI & CHT: Determine for their respective members the minimum roles, scopes, skills and responsibilities required by January 2025 or earlier. Professional body entrance requirements/membership assessments to include the reduced carbon file/competence test by January 2025. Continued Professional Development on climate change mitigation for all members to be available from January 2022 and mandatory from January 2024 Source: CIC Roadmap	3f: Measurement of MCO2 removed based on client Net Zero masterplans accepted Source: AIC Benchmarking
2	Maximising use of Modern Methods of Construction and improved onsite logistics, reducing waste and transport to sites		2a: Measure business pre-manufactured value and set measurable % increase for 2022-2030 period Source: M Revenue Addressing	2b: Business to measure waste tonnes/ Em turnover from 2022 publish from 2024 Source: TIC	2c: Business to measure recycling as proportion of waste from 2022, publish from 2024 Source: TIC	2d: Designers and Contractors to drive increased use of MMC by adopting 'Presumption in Favour of Offsite' by 2022 through committing to offer to clients on all schemes Source: TIC Pledge to drive	2e: Measure business Productivity £k revenue/FTE Source: TIC/ICE Benchmarking	2f: By 2023, launch demonstrator project of regional shared consolidation centres to optimise site logistics for manufactured goods on a group of projects
	3: Measurement of MCO2 removed from operational use based on client Net Zero masterplans accepted Source: TIC		3a: From 2022, all consultants to offer alternative Net Zero masterplans options to clients, even if not scoped Source: TIC Pledge to drive	3b: All projects to incorporate an assessment of Sustainable Transport within investment appraisal from 2022 Source: Value Toolkit	3c: From 2025, all planning applications must connect to public / Active transport and include EV charging where parking is provided Source: TIC Future Homes Trailblazer	3d: Determine for their respective members the minimum roles, scopes, skills and responsibilities required by January 2025 or earlier. Professional body entrance requirements/membership assessments to include the reduced carbon file/competence test by January 2025. Continued Professional Development on climate change mitigation for all members to be available from January 2022 and mandatory from January 2024 Source: CIC Roadmap	3e: Measurement of MCO2 removed based on client Net Zero masterplans accepted Source: AIC Benchmarking	3f: By 2030, volume of construction waste recycled to exceed volume sent to landfill Source: TIC
3	Championing developments and infrastructure investments that both enable connectivity with low carbon modes of transport and design to incorporate readiness for zero emission vehicles		4a: Businesses over 250 staff to include home working staff emissions within business carbon reporting and measure and mitigate accordingly Source: TIC	4b: Business to consider an incentive scheme for home working staff to fund retrofit tax free akin to 'Cycle to Work' subsidy scheme Source: TIC	4c: Businesses with a role in retrofit to be registered with approved Quality Scheme by 2023 Source: TIC	4d: All businesses with a role in low carbon heat solutions to develop a skills training plans aligned to Gov ambitions Source: TIC	4e: Existing homes targets: Deliver retrofitting to: 855,000 homes by 2024 12,300,000 homes by 2030 27,300,000 homes by 2040 Source: CIC Retrofit Strategy	4f: Establish industry 'quality scheme' routes and licensing consistent with PAS2035 by 2022 Source: TIC 100
	4: Work with Government to deliver retrofitting to improve energy efficiency of the existing housing stock		4a: Businesses over 250 staff to include home working staff emissions within business carbon reporting and measure and mitigate accordingly Source: TIC	4b: Business to consider an incentive scheme for home working staff to fund retrofit tax free akin to 'Cycle to Work' subsidy scheme Source: TIC	4c: Businesses with a role in retrofit to be registered with approved Quality Scheme by 2023 Source: TIC	4d: All businesses with a role in low carbon heat solutions to develop a skills training plans aligned to Gov ambitions Source: TIC	4e: Existing homes targets: Deliver retrofitting to: 855,000 homes by 2024 12,300,000 homes by 2030 27,300,000 homes by 2040 Source: CIC Retrofit Strategy	4f: Establish industry 'quality scheme' routes and licensing consistent with PAS2035 by 2022 Source: TIC 100
4	Scale up industry capability to deliver low carbon heat solutions in buildings, supporting heat pump deployment, trials of hydrogen heating systems and heat networks		5a: All businesses with a role in low carbon heat solutions to develop a skills training plans aligned to Gov ambitions Source: TIC	5b: Buildings & BIM: all customers should be advised/ offered renewable energy when working on building M & E systems Source: LFTI	5c: Medium & large scale retrofits: generate 70% of annual energy requirement with renewables by 2025 Source: LFTI	5d: Heat Pump installations as per Government target of 600,000 heat pump installations per year by 2028 Source: Gov Heat Pump Plan	5e: Buildings: By 2025 all new buildings are heat free Source: LFTI	5f: Work with Green Finance Institute / Coalition for Energy Efficiency in Buildings (CEEfB) to establish innovative funding and finance solutions Source: CIC Programme/CEfB
	5: Enhancing the energy performance of new and existing buildings through higher operational energy efficiency standards and better building energy performance monitoring		6a: Businesses to target increased use of energy from renewable sources, comprising at least: 20% in 2021 40% in 2024 60% in 2026 80% in 2028 100% in 2030 Source: TIC	6b: All cost viable retrofit solutions approved by businesses on business premises to be implemented by 2025 Source: TIC	6c: All permanent business offices to be Net Zero by 2030 Source: Future Homes Trailblazer	6d: Reduction in CO2 from EPC of new and existing domestic properties aggregated at industry level Source: CIC Smart Construction Dashboard	6e: Buildings: By 2030 all new buildings are net zero operational carbon Source: LFTI	6f: Buildings: BIM-based building passports dealing with quality build standards, embodied and operational carbon to be agreed with financial institutions and become mandatory in period 2025-2030, with progressive expected performance requirements Source: CIC Action Plan
5	Implementing carbon measurement, to support our construction projects in making quantifiable decisions to remove carbon		7a: Businesses over 250 staff to report: Scope 1 & 2 (direct emissions) by 2025 Scope 3 by 2027 Source: TIC	7b: Businesses under 250 staff to report: Scope 1 & 2 (direct emissions) by 2027 Source: TIC	7c: Infrastructure suppliers of over 250 staff to be PAS2080 certified by 2030 Source: IS	7d: Infrastructure clients: To include carbon reduction targets and reporting commitments explicitly in all our procurement documents from 2021, as a deliverable of the procurement process Source: Carbon Reduction Guide	7e: Every infrastructure owner to be PAS2080 certified by 2025 Source: IS	7f: Buildings: By 2025 all buildings to conduct whole life carbon calculations and aim to achieve 40% carbon emission reductions Source: LFTI
	6: Enhancing the energy performance of new and existing buildings through higher operational energy efficiency standards and better building energy performance monitoring		7a: Businesses over 250 staff to report: Scope 1 & 2 (direct emissions) by 2025 Scope 3 by 2027 Source: TIC	7b: Businesses under 250 staff to report: Scope 1 & 2 (direct emissions) by 2027 Source: TIC	7c: Infrastructure suppliers of over 250 staff to be PAS2080 certified by 2030 Source: IS	7d: Infrastructure clients: To include carbon reduction targets and reporting commitments explicitly in all our procurement documents from 2021, as a deliverable of the procurement process Source: Carbon Reduction Guide	7e: Every infrastructure owner to be PAS2080 certified by 2025 Source: IS	7f: Buildings: By 2025 all buildings to conduct whole life carbon calculations and aim to achieve 40% carbon emission reductions Source: LFTI
6	Become world leaders in designing out carbon, developing the capability of our designers and construction professionals to develop designs in line with circular economy - reducing embedded and operational carbon, shifting commercial models to incentivise and reward measurable carbon reductions.		8a: Design consultancy businesses to train designers in carbon literacy and circular economy up to 100% of staff Source: AIC Benchmarking	8b: Pledge Zero: from 2022, all designers to offer alternative Net Zero designs to clients, even if not scoped Source: Pledge to Net Zero	8c: By 2030: Design for energy in use targets of: New Homes: 35kWh/m2/year New Offices: 55kWh/m2/year New Schools: 65kWh/m2/year Source: LFTI	8d: Buildings: Best practice by 2030 for 50% of materials from re-used sources Source: LFTI	8e: Introduce industry wide carbon credits/offsetting across projects: industry scope 3 for embodied carbon Source: TIC	8f: Buildings: By 2025 100% of all designed new buildings are to be net zero operational Source: LFTI
	7: Implementing carbon measurement, to support our construction projects in making quantifiable decisions to remove carbon		8a: Design consultancy businesses to train designers in carbon literacy and circular economy up to 100% of staff Source: AIC Benchmarking	8b: Pledge Zero: from 2022, all designers to offer alternative Net Zero designs to clients, even if not scoped Source: Pledge to Net Zero	8c: By 2030: Design for energy in use targets of: New Homes: 35kWh/m2/year New Offices: 55kWh/m2/year New Schools: 65kWh/m2/year Source: LFTI	8d: Buildings: Best practice by 2030 for 50% of materials from re-used sources Source: LFTI	8e: Introduce industry wide carbon credits/offsetting across projects: industry scope 3 for embodied carbon Source: TIC	8f: Buildings: By 2025 100% of all designed new buildings are to be net zero operational Source: LFTI
7	Support development of innovative low carbon materials (prioritising concrete and steel), as well as advancing low carbon solutions for manufacturing production processes and distribution		9a: Manufacturing business to measure amount of low carbon fuels used by manufacturing processes (TWh) and set targets to reduce by 80% from 2018 - 2035 Source: AIC Benchmarking	9b: Develop a market for low carbon materials: Businesses over 250 staff to sign up to Steel Zero targets by 2025 Source: Steel Zero	9c: New Homes: Embodied carbon reduction targets 2025- 30% 2030- 40% 2040- 80% Source: Future Homes Trailblazer	9d: All projects >£10m to establish embodied carbon targets by 2025 and report annually Source: TIC	9e: Buildings: all new buildings achieve a 65% reduction in embodied carbon emissions from 50 to 330 by 2030 Source: CIC Smart Core Dashboard/ICE	9f: Materials manufactured energy use: Emissions down by 80% from 2018-2033 Source: Gov Heat Decade
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Notes raised in discussions but we are not currently aware they are in fact being measured