

| CO2struct Zero Performance Framework - for Consultation | | | | | | | |
|---|---|--|--|---|---|---|--|
| Priority | Businesses | | Projects | | Sector | | |
| | Target | Commitment | Target | Commitment | Target | Commitment | |
| 1 | 1a: 10% year on year business mileage reduction from 2021-2025 Source: TIC | 1d: EV charging points at all fixed workplaces by 2025 Source: TIC | 1g: Site miles / Em of project costs to reduce 10% year on year from 2025 Source: TIC | 1h: Projects to measure and report site miles / Em of project costs by 2025 Source: Carbon Reduction Guide? | 1k: EV 100- 50% of sector companies to sign up to EV100 pledge by 2025 Source: EV100 | 1n: All diesel plant to eliminated from construction sites by 2035 Source: TIC | |
| | 1b: 50% new company cars to be EV by 2025 progressing to 100% by 2030 Source: TIC | 1e: All plant hire companies to offer alternative zero emissions plant to every customer by 2025 Source: TIC | 1i: Projects to set target for waste tonnes / Em project costs by 2022 and report seeking a 10% year on year reduction Source: BRE Smart Water / CLC Smart Core Dashboard | 2i: All projects >£30m commit to installing permanent EV charging points at site establishment by 2025 Source: TIC | 1l: Over £1 billion worth of zero diesel construction sites to be operating from 2025 Source: CLC Business Champions | 1m: Every contracting business over 250 staff to trial 1 zero diesel site by end of 2022 Source: CLC Trailblazers | |
| | 1c: 50% new company vans to be EV by 2027 progressing to 100% by 2035 Source: TIC | 1f: Contracting business over 250 staff to trial 1 zero diesel site by end of 2022 Source: TIC | 2j: Logistics efficiency: Number of deliveries per Em of project cost: Measure from 2022 Report from 2023 Source: TIC | 2k: From 2025, all planning applications must connect to public / Active transport and include EV charging where parking is provided Source: TIC Future Homes Trailblazer | 2m: % of non-diesel plant in use from plant hire firms Source: Plant Hire Association? 2024 | | |
| 2 | 2a: Measure business pre-manufactured value and set measurable % increase for 2022-2030 period Source: M Revenue Attribution | 2c: Business to measure waste tonnes/ Em turnover from 2022 publish from 2024 Source: TIC | 2l: Projects to measure worker productivity on site FTE / Em turnover by 2022 Source: TIC | 2n: Measure Industry Productivity EU/FTE Source: TIC | 2p: By 2023, launch demonstrator project of regional shared consolidation centres to optimise site logistics for manufactured goods on a group of projects | | |
| | 2b: Measure business Productivity £k revenue/FTE Source: TIC/NEC Benchmarking | 2d: Business to measure recycling as proportion of waste from 2022, publish from 2024 Source: TIC | 2m: All projects to measure and report publicly pre-manufactured value by 2025 Source: M Revenue Attribution | 2o: By 2030, volume of construction waste recycled to exceed volume sent to landfill Source: TIC | | | |
| | 2c: 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: From 2022, all consultants to offer alternative Net Zero masterplans options to clients, even if not scoped Source: TIC Pledge to drive | 2n: 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 | 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 embodied 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: CLC Roadmap | | |
| 3 | 3a: Measurement of MCO2 removed from operational use based on client Net Zero masterplans accepted Source: TIC | 3b: From 2022, all consultants to offer alternative Net Zero masterplans options to clients, even if not scoped Source: TIC Pledge to drive | 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 | 3f: Measurement of MCO2 removed based on client Net Zero masterplans accepted Source: ACE Benchmarking | | |
| | 4a: Businesses over 250 staff to include home working staff emissions within business carbon reporting and measure and mitigate accordingly Source: TIC | 4c: Businesses to assess their role in retrofits and accordingly develop a skills training plan Source: CLC Retrofit Strategy | 4d: Commitment to develop digital Building Passports, making future retrofits easier and more efficient by 2025 Source: Greater Finance Institute | 4e: All social housing and commercial private landlords to define PAS3055 roles on projects by 2025 Source: TIC | 4f: Sector to develop robust competence standards and retrofit skills plan and track and report progress annually by 2023 Source: CLC People and Skills Network | 4g: Establish industry 'quality scheme' routes and licensing consistent with PAS2035 by 2022 Source: BRE 190 | 4h: Work with Green Finance Institute / Coalition for Energy Efficiency in Buildings (CEEIB) to establish innovative funding and finance solutions |
| | 4b: Businesses to measure % RMI revenue which enhances Building EPC and target annual increases of 10% up to 100% Source: TIC | 4d: Business to consider an incentive scheme for home working staff to fund retrofit tax free akin to 'Cycle to Work' subsidy scheme Source: TIC | 4e: All social housing and commercial private landlords to define PAS3055 roles on projects by 2025 Source: TIC | 4f: Sector to develop robust competence standards and retrofit skills plan and track and report progress annually by 2023 Source: CLC People and Skills Network | 4g: Existing homes targets: Deliver retrofit to: 65,000 homes by 2024 12,300 homes by 2030 27,000 homes by 2040 Source: CLC Retrofit Strategy | | |
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| | 4c: Businesses with a role in retrofits to be registered with approved Quality Scheme by 2023 Source: TIC | 4e: All social housing and commercial private landlords to define PAS3055 roles on projects by 2025 Source: TIC | 4f: Sector to develop robust competence standards and retrofit skills plan and track and report progress annually by 2023 Source: CLC People and Skills Network | 4g: Existing homes targets: Deliver retrofit to: 65,000 homes by 2024 12,300 homes by 2030 27,000 homes by 2040 Source: CLC Retrofit Strategy | 4h: Heat Pump installations as per Government target of 600,000 heat pump installations per year by 2028 Source: Govt Heat Plan | 4i: Buildings: By 2025 all new buildings are Zero Carbon Ready Source: L211 | |
| 5 | 5a: All businesses with a role in low carbon heat solutions to develop a skills training plan aligned to Gov ambitions Source: TIC | 5b: Buildings & RMI: all customers should be offered renewable energy when working on building M & E systems Source: L211 | 5c: Small scale residences: Generate 100% of annual energy requirement through renewables by 2025 Source: L211 | 5d: Medium & large scale residences: generate 70% of annual energy requirement with renewables by 2025 Source: L211 | 5e: Robust Competence Standards and training plan & metrics for low carbon heat installations & facilities management Source: CLC People and Skills Network | 5f: Buildings: By 2025 all new buildings are Zero Carbon Ready Source: L211 | |
| | 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 | 6d: By 2030: Deliver energy in use targets of: New Offices: 55kWh/m2/year New Schools: 65kWh/m2/year Source: L211 | 6e: Zero carbon ready homes from 2025 with very high fabric efficiency standards to be agreed in kWh/m2/yr Source: P11F | 6f: Reduction in CO2 from EPC of new and existing domestic properties aggregated at industry level Source: CLC Smart Construction Dashboard | 6g: 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: CLC Action Plan | |
| | 6c: All permanent business offices to be Net Zero by 2030 Source: Future Homes Trailblazer | 6d: By 2030: Deliver energy in use targets of: New Offices: 55kWh/m2/year New Schools: 65kWh/m2/year Source: L211 | 6e: Zero carbon ready homes from 2025 with very high fabric efficiency standards to be agreed in kWh/m2/yr Source: P11F | 6f: Reduction in CO2 from EPC of new and existing domestic properties aggregated at industry level Source: CLC Smart Construction Dashboard | 6g: 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: CLC Action Plan | | |
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| | 7a: Businesses over 250 staff to report: Scope 1 & 2 (direct emissions) by 2025 Scope 3 by 2027 Source: TIC | 7d: Infrastructure clients: To include carbon reduction targets and reporting commitments explicitly in all procurement documents from 2021, as a deliverable of the procurement process Source: Carbon Reduction Guide | 7f: By 2025, carbon reduction targets and reporting commitments to be included in all procurements over £10m Source: TIC | 7g: Buildings: Annual energy use and renewable energy generation on site must be reported and independently verified to use each year for the first 5 years Source: L211 | 7h: In its clients, to provide a carbon baseline for each project and set targets for carbon reduction against these, also include, where appropriate, progressive carbon reduction targets throughout the life of a project and appropriate financial incentives Source: Carbon Reduction Guide | 7i: Every business over 250 staff to sign up to Race to Zero by 2022 Source: RZ | 7m: Construction materials sold to consumers to be embodied carbon labelled from 2025 Source: TIC |
| 7 | 7a: Businesses over 250 staff to report: Scope 1 & 2 (direct emissions) by 2025 Scope 3 by 2027 Source: TIC | 7d: Infrastructure clients: To include carbon reduction targets and reporting commitments explicitly in all procurement documents from 2021, as a deliverable of the procurement process Source: Carbon Reduction Guide | 7f: By 2025, carbon reduction targets and reporting commitments to be included in all procurements over £10m Source: TIC | 7g: Buildings: Annual energy use and renewable energy generation on site must be reported and independently verified to use each year for the first 5 years Source: L211 | 7h: In its clients, to provide a carbon baseline for each project and set targets for carbon reduction against these, also include, where appropriate, progressive carbon reduction targets throughout the life of a project and appropriate financial incentives Source: Carbon Reduction Guide | 7m: Construction materials sold to consumers to be embodied carbon labelled from 2025 Source: TIC | |
| | 7b: Businesses under 250 staff to report: Scope 1 & 2 (direct emissions) by 2027 Source: TIC | 7e: Infrastructure suppliers of over 250 staff to be PAS2080 certified by 2030 Source: RZ | 7g: Every Infrastructure owner to be PAS2080 certified by 2025 Source: RZ | 7h: In its clients, to provide a carbon baseline for each project and set targets for carbon reduction against these, also include, where appropriate, progressive carbon reduction targets throughout the life of a project and appropriate financial incentives Source: Carbon Reduction Guide | 7i: Every business over 250 staff to sign up to Race to Zero by 2022 Source: RZ | 7n: RMI & CBE: 1. Will determine for their respective members the minimum roles, scopes, skills and responsibilities required by January 2025 or earlier. 2. Entrance requirements/membership assessments to include the embodied carbon file/competence test by January 2025. 3. CPD on climate change mitigation for all members to be available from January 2022 and mandatory from January 2024 Source: CLC Action Plan | |
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| 8 | 8a: Design consultancy businesses to train designers in carbon literacy and circular economy up to 100% of staff Source: ACE 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 Offices: 55kWh/m2/year New Schools: 65kWh/m2/year Source: L211 | 8d: Buildings: Best practice by 2030 for 50% of materials from re-used sources Source: L211 | 8e: Projects >£10m to include performance incentives on Net Zero design performance by 2024 Source: TIC | 8l: Buildings: 100% of all designed new buildings are to be net zero carbon ready Source: LETI/HTF | |
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| 9 | 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: Govt Net Zero Strategy | 9c: Develop a market for low carbon materials: Businesses over 250 staff to sign up to Steel Zero targets by 2025 Source: Steel Zero | 9d: New Homes: Embodied carbon reduction targets: 2025- 30% 2030- 40% 2040- 80% Source: Future Homes Trailblazer | 9f: All projects >£30m to establish embodied carbon targets by 2025 and report annually Source: TIC | 9g: Buildings: all new buildings achieve a 65% reduction in embodied carbon emissions from 550 to 330 by 2030 Source: CLC Smart Core Dashboard/CLC | 9k: Materials manufactured energy use: Emissions down by 80% from 2018-2033 Source: Govt Net Zero | |
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Notes raised in discussions but we are not currently aware they are in fact being measured