

February 2019



Building Sustainably & Creating Better Environments

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Welcome



Our Mission

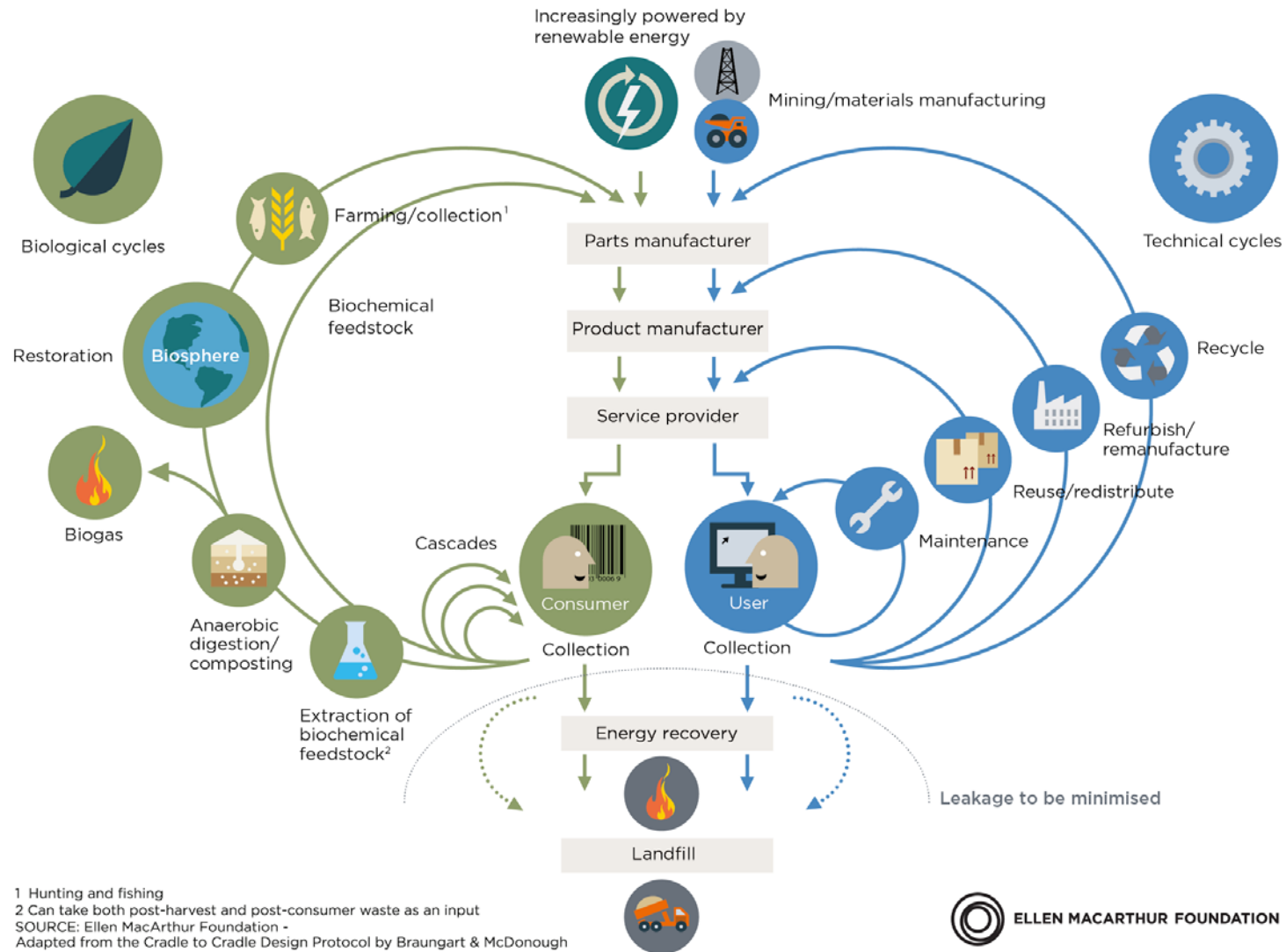
We exist to create a society where resources are valued and nothing is wasted



Circular Economy



CIRCULAR ECONOMY - *an industrial system that is restorative by design*



More homes



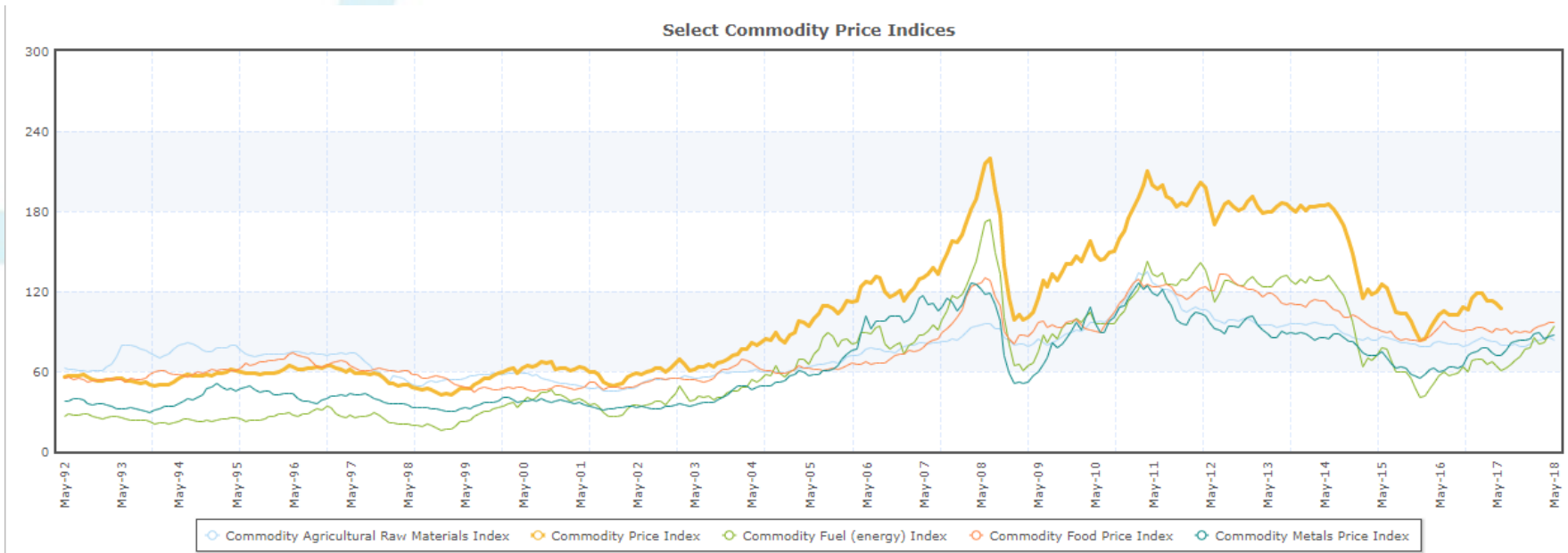
50,000 homes by 2021



Design, build, landfill and recycle

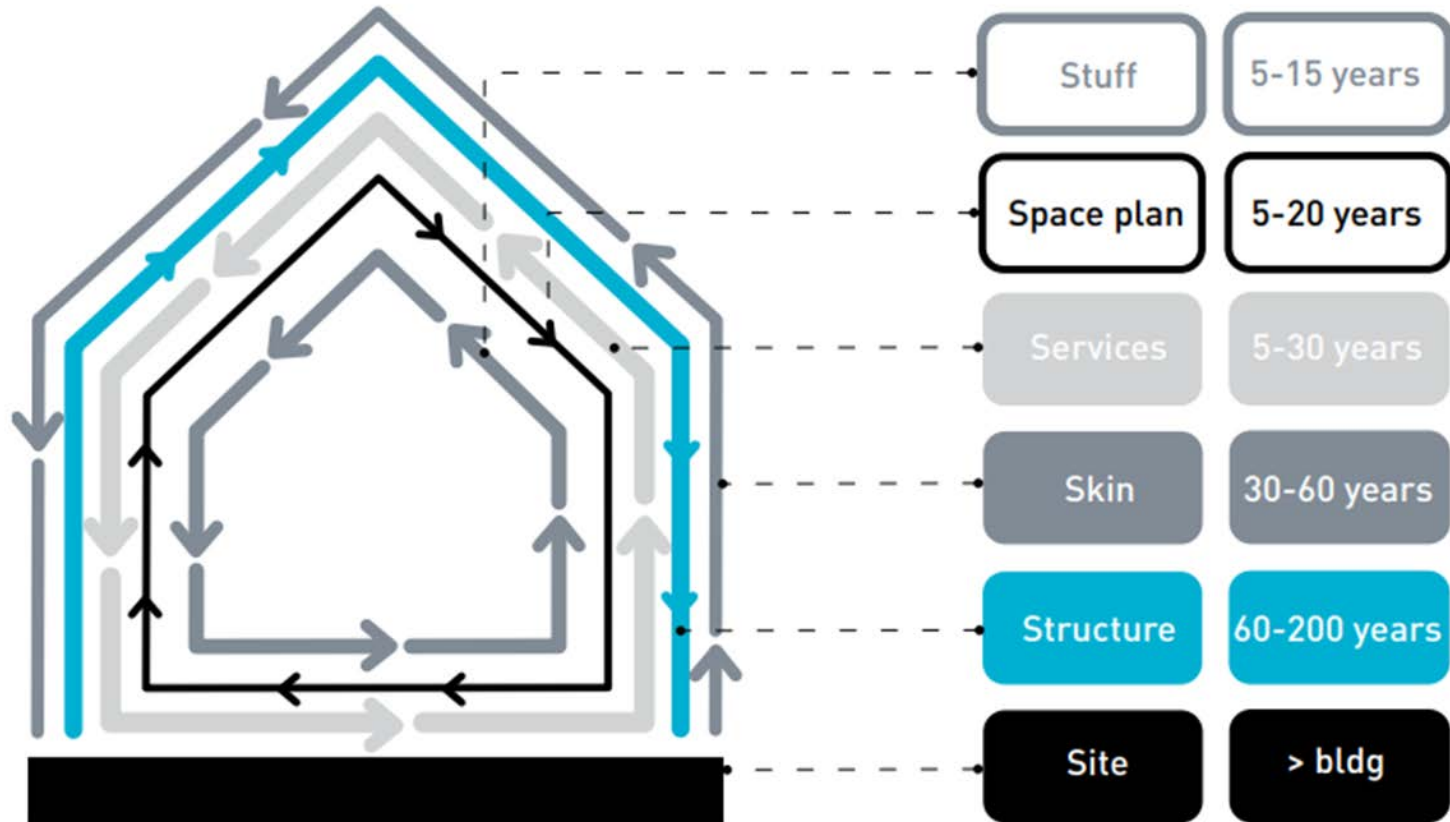


Global commodity prices



Source: <https://www.indexmundi.com/commodities>, 2018

~~Circular~~ Construction



"is not only working out how the materials can best be reused when a building is demolished"

Sketch: John Gilbert Architects based on 'How Buildings Learn', Brand (Viking, London 1994)

Building for the future (and now)



Implementing



Implementing

Designed sequential access

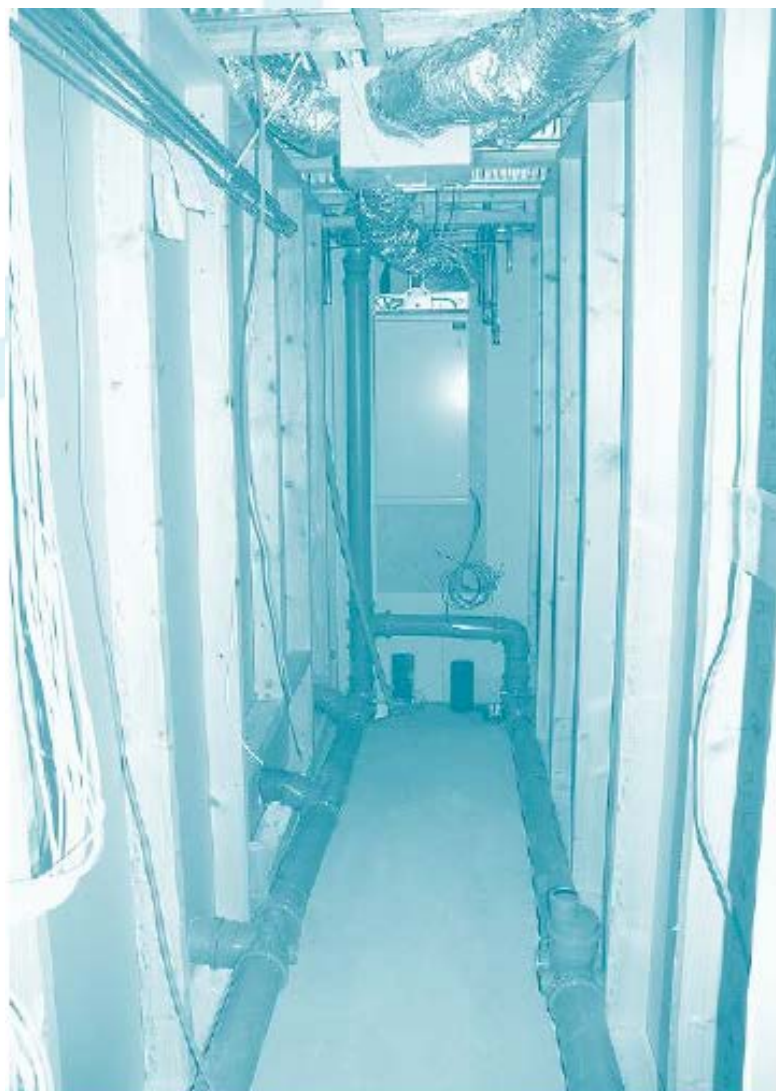


Implementing

Designed sequential access



Safe and easy (economical) access



Procuring Resource Efficient Construction Projects Guide

Procuring Resource Efficient Construction Projects



Growth that doesn't cost the earth

Model procurement wording for public and private sector clients and contractors on construction projects



ACTION	Client Action – Strategy & Objectives	Procurement Clause – Strategic Brief/ Market engagement
	<p>series of procurement questions/ specification requirements that may be relevant.</p> <ul style="list-style-type: none"> Embedding of circular economy outcomes in procurement of infrastructure projects is increasingly being addressed. This includes a White Paper from the Major Infrastructure – Resource Optimisation Group (MI-ROG).²⁷ 	
Public Sector Clients	<p>The Procurement Reform (Scotland) Act 2014 applies to regulated procurements including framework agreements above financial thresholds of £50,000 for public goods and service contracts and £2,000,000 for Works contracts. The Sustainable Procurement Duty requires obligated public bodies to consider improving economic, social and environmental wellbeing and reducing inequality in their area, involving Small and Medium sized enterprises and Third sector bodies including supported businesses while promoting innovation. There may for example be opportunities for innovative waste reduction, recycling or re-use solutions, which may provide Community Benefits through the involvement of SMEs and Third sector organisations and related training and skills.</p> <p>The link from National Outcomes to organisational strategic objectives, those that are relevant to the procurement of construction projects to relevant procurement requirements which are then monitored and reported informs a project's intended outcomes and helps relevant reporting requirements, such as the Climate Change Reporting Duties. This includes a focus on waste reduction, re-use and recovery.</p>	

ACTION	Client Action - Outcomes	Procurement Clause – Advertising/Contract Notice
ACTION 2 PREPARATION & BRIEF	<p>Development of project objectives and intended outcomes takes place at this stage, so that you are able to clearly articulate these to the market in Advertising, Prior Information Notices and Contract Notices, as relevant.</p> <p>Consideration of waste reduction, re-use and recovery targets and KPIs will help inform the appropriate focus within design of the project/site and facilities. This includes agreeing the scope of Whole Life Costs beyond initial purchase price. Encouraging the use of the Designing Out Waste</p>	<p>"The Contracting Authority has included obligations within the specification and contract conditions relating to environmental matters including the (delete if not applicable):</p> <ul style="list-style-type: none"> use of the Demolition Protocol, Refurbishment Survey (or equivalent), with considered deconstruction in a way that maximising reclamation and re-usability of material which are relevant to the service to be delivered; (where applicable) design for deconstruction and flexibility of the building which is relevant to the service to be delivered; (where applicable) use of recycled aggregates, materials or building products which are relevant to the service to be delivered; the use of closed loop remanufacturing schemes where products can be refurbished or remanufactured at end of first life, which are relevant to the service to be delivered; forecast waste quantities and re-used and recycled content and set and agree targets for waste reduction from an early design stage (for instance

We can help

- [Measuring, monitoring and reducing waste](#) – Site Waste Management Plan
- [Maximizing re-use](#) - identify materials commonly wasted
- [Procuring resource efficient projects](#) – Construction Procurement Guide
- [Designing out waste](#) – our guide developed for design teams

Thank you.

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