

### **North Lanarkshire Council Approach to Carbon**

25th September 2023















#### **NLC Carbon Framework**



 Carbon baseline of NLC road services



- FHRG and CCAS training
- Ongoing data
   management and
   evaluation of carbon



 Integration within the materials testing programme







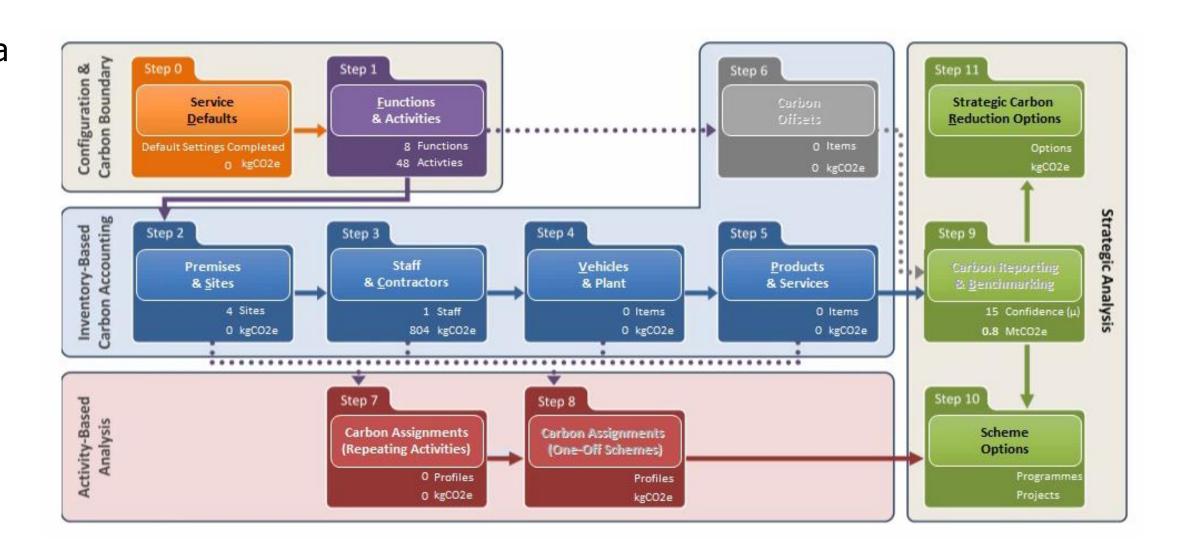






## Baselining

- FHRG Carbon Analyser to complete a full carbon baseline of contract
- Define standard functions and activities
- Buckets
  - Sites/Premises
  - Staff and Contractors
  - Vehicles and plant
  - Products and services
- Capital Projects













# Timeline for NLC Baselining

Defined functions & activities

Collection of NLC & Amey data

Experimental profiles functionality launched

1

2

3

4

5

6

Carbon Analyser training Carbon baselining completion

Experimental profiles commenced















#### **Downstream Approach**

Estimate carbon emissions of use and end-of-life of material innovations in line with the Carbon Calculati on and Accounting Standards

Involvement of FHRG for independent validation of carbon evaluations

Internal validation from Amey Consulting Sustainability Solutions Team

Ongoing monitoring and evaluation of downstream carbon for 5 years postprogramme













# Approach to Carbon within Innovation Funnel

- Evaluation of materials against current state-ofplay with critical success factors considered in Innovation Scorecard
- Data collection and provision specification for live trials
- Materials evaluated against FHRG standards and integrated within NICS
- Triangulation with OneClick LCA
- Storage of carbon data and validation by FHRG in online knowledge bank

