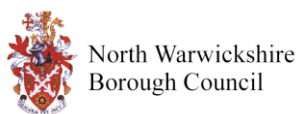


Planning and Housing Workshop



Context to planning and housing

- **Buildings account for 40% of carbon emissions** in South Warwickshire – half of which is housing
- **Most housing is already here now** – and will need to be retrofitted
- We need to build around **4000 new dwellings per annum** across Warwickshire - 32,000 by 2030 (NB: doesn't include Coventry)
 - Typical house – approx. 60 tonnes CO₂ over 30 year life
 - Equates to around 2,000,000 tonnes CO₂ over 30 year life
- We need to build around 25ha of new employment land built out per year across Warwickshire
 - Carbon footprint approx. 82,000 tonnes over 30 year life
- Operational (regulated) carbon and embodied carbon: as much as 82% of whole life carbon emission may be embodied carbon



We need to think about:

- Existing stock (retrofit) and new stock (standards, planning and building control)
- Different building types – housing, commercial and industrial, public sector
- Different tenures (private owners; private landlords, social/council housing)
- Heating systems and building fabric
- Sources of energy
- Operational carbon and embodied carbon



Five questions

1. What are we already doing?
2. What else do we need to do?
3. What challenges do we face?
4. Who needs to be involved to mobilise action?
5. How do we ensure what we do is equitable

