

NET
ZEROSUSTAINABLE
PLACESINCLUSIVE
GROWTH

SFT Outcomes 2021/22

Demonstrating progress with impact

PRIMARY OUTCOME

10

**INFRASTRUCTURE-RELATED
CARBON DIOXIDE EMISSIONS
ARE REDUCED**

SECONDARY OUTCOMES

05 06



Passivhaus being adopted across hub Programme

The hub Programme is a Scotland-wide partnership that's been running for more than 12 years and is managed by SFT. Its focus is to bring public sector bodies together with a private sector partner that jointly plans, builds and manages community infrastructure projects, such as schools, health centres and civic buildings across five geographic territories.

Currently across the hub Programme, the five hub companies (hubCos) are delivering a number of community-based projects which, in order to reduce the level of operational carbon emissions during the building life, have elected to adopt the Passivhaus design approach.

This approach requires buildings to be insulated to higher-than-normal standards and to be detailed in such a way that air leakage is minimised. The result being buildings which retain heat longer, emit significantly reduced levels of carbon and require less energy to maintain comfort levels.

hub East Central is delivering Riverside Primary School (Perth) and Woodmill and St Columba's High Schools (Dunfermline) and hub West is delivering inner-city housing at Glasgow's Springfield Cross, all of which are adopting the Passivhaus standard.

SFT's hub Programme Management Office (PMO) acted as an enabler in the development of the projects and in particular the adoption of the Passivhaus approach. The hub PMO also ensured that lessons learnt from the more stringent requirements of a Passivhaus project were shared with other partners and hubCos.

SFT's Learning Estate team, by establishing the energy performance targets which projects needed to meet to secure funding, similarly influenced the development of these lean operational carbon buildings.



When completed, Riverside Primary School will be the first school in Scotland to achieve Passivhaus accreditation. By achieving the Passivhaus standard, benchmarks have been established which others can follow, adopt and adapt. Similarly, Springfield Cross is Scotland's largest development of flats to meet the Passivhaus standard. It sets the benchmark for future flatted developments, which are commonplace in Scotland's cities.

All Passivhaus projects will have lower running costs and create reduced carbon emissions throughout their operational lives.

Importantly, when the hub Programme develops pathfinder projects such as these described here, they set benchmarks which other hub partners can reference. The lessons learnt are already being shared with other local authorities and hubCos, through the facilitation of the hub PMO.