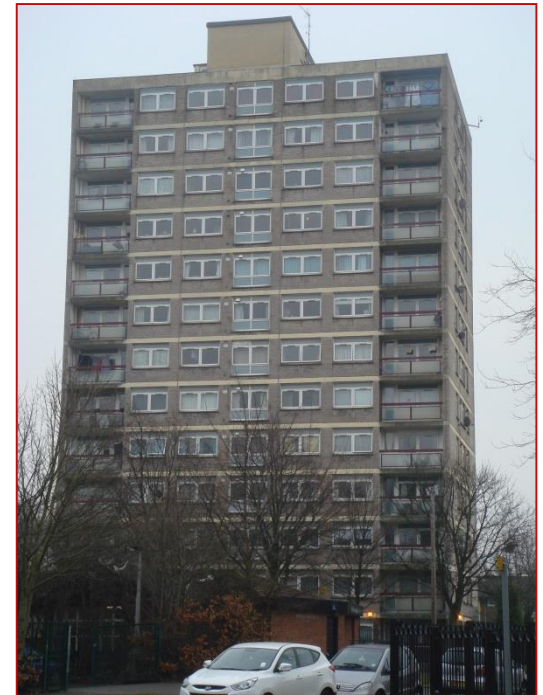




Northwards Housing

Collyhurst Tower Blocks

The Starting Point



Improvements made

- Installation of Rockwool external wall insulation, covered by Rockpanel Chameleon board or wet render systems.
- Installation of Bauder insulated felt roof system..
- Installation of new upvc double glazed windows to high-rise specification.
- Installation of Balco winter garden system to enclose and weather-proof balconies.
- New resin based water-proofing system to balcony floors.
- Upgrade of internal & external lighting to energy saving LED units.
- Installation of a mixture of Rooftop & vertical hung PV system.
- Renewal and balancing of communal bathroom ventilation system.
- Water pump renewal.
- Replacement of store doors.
- New entrances



Keeping tenants warmer

- External Insulation
- Brings U-value down from 1.69W/(m²K) to 0.29W/m²K
- A rated windows, reduce draughts and retain heat
- New enclosed balconies creating Winter Gardens
- Replacement of Gas Boilers as required to ensure all were A rated
- SAP calculation prior 71
- SAP calculation post 82
- Energy Saving Trust calculated annual energy saving at £150 Per Annum



Solar panels

HUMPHRIES COURT – South facing elevation

System size – 10Kw

Payback period – 11 years

Estimated generation per year – 6,000 kWh

MOSSBROOK COURT – Roof mounted

System size – 10Kw

Payback period – 8.4 years

Estimated generation per year – 7,000 kWh

ROACH COURT - Roof mounted

System size – 10Kw

Payback period – 8.4 years

Estimated generation per year – 7,000 kWh

VAUXHALL COURT – East facing elevation

System size – 10Kw

Payback period – 12.2 years

Estimated generation per year – 5,000 kWh



Refurb of disused flats



The impact on demand



Aesthetics / chameleon panels

- Great attention was taken to create a finish that resident's would be proud of.



Thank you for listening

Paul Maidment

Northwards Housing

