



South Yorkshire
FIRE & RESCUE

Sustainability Update

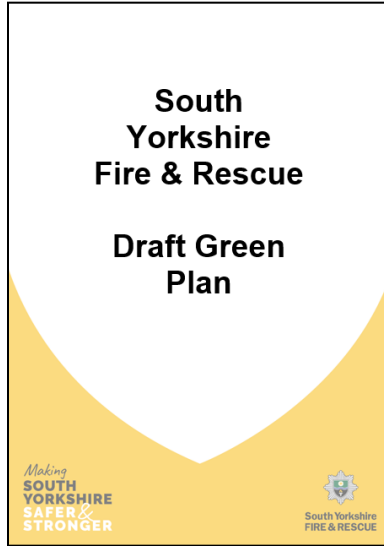
27 October 2022

Making
**SOUTH
YORKSHIRE
SAFER &
STRONGER**



Our Green Strategic Anchors

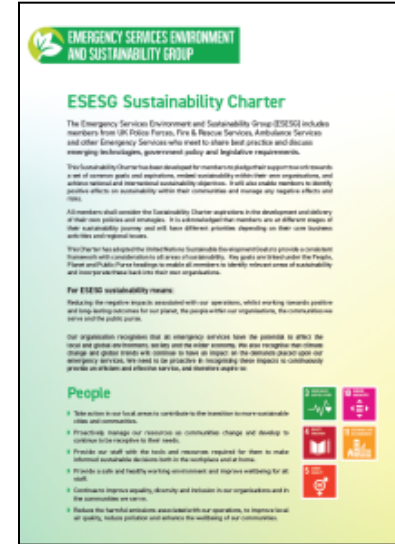
So far



Draft Green Plan



Agreed Green Plan Statement of Intent



Signed Emergency Services Environment and Sustainability Charter

LED Lighting Upgrade



392 CT

Per year saved from
switching to LED



+£245k

Saving on bills
per year



1.3yrs

Payback on
investment



HQ before



HQ after

Progress so far:

- Rotherham complete
- TDC & HQ underway
- Stations will follow

Building Management System (BMS)

Installation across all SYFR sites

Benefits: Regulate all of our building's electrical and mechanical equipment such as power system, lighting, and ventilation to confirm sustainability.

Current milestones:

- Phase 1: Implementation
- Stations completed Thorne, Doncaster & Barnsley

Secondary benefits

- Implementation has identified a number of wasteful issues:
 - Doncaster: heat pumps were only operating at 20% creating greater demand on the boiler for hot water.
 - Doncaster: Faulty appliance bay door sensors prevented heating from disengaging when the doors were open. This equated to constantly pumping out warm air straight out the appliance bay door.



Decarbonisation Project



+£532k

Low Carbon Skills
funding through Salix



Technical Surveys

to review where we are and where we want to be. Examples include:

1. Heat production
2. Hot Water production
3. Insulation



Design

Surveys will create costed building designs. We can then prioritise estate improvement work using expert knowledge

August

September - October

November – February 2023

And we're not done yet...

Other projects on the horizon:

1. Modular builds – future estate programme
2. EV Charging Infrastructure
3. BMS completion
4. Agile Working – accessible, already heated spaces