

MAINTAINING AND IMPROVING OUR HIGH QUALITY ENVIRONMENT

CORPORATE TRANSFORMATION PROGRAMME

Energy Efficiency

Implement 'spend to save' energy efficiency schemes across the Council Estate.

Benefits / Financial Plan savings

£198k

2017/18

£133k

2018/19

£103k

2019/20

£103k

2020/21

£537k

total required



Key Milestones

Apr-Jun '17

- Desktop benchmarking of the entire Council estate (energy & water)

Jul-Sep '17

- Options report received for Solar installations (12 sites)
- Lighting replacement Phase 4
- Energy Auditing (NDEE: Prepare)

Oct-Dec '17

- Solar Panel Tender Evaluation & Contract Award (12 sites)
- Boiler Insulations upgrades (23 sites)
- Lighting Replacement Phase 5
- NDEE Tender (NDEE: Procure)

Jan-Mar '18

- Solar Panel Installation Programme (12 sites)
- NDEE Tender Evaluation & Contract Award (NDEE: Procure)

Apr-Jun '18

- SEEP Pilot Design Work
- NDEE Programme Commencement (NDEE: Save)

buildings

energy efficiency

capital investment

buildings

energy efficiency

capital investment

buildings

Our performance



SBC ENERGY CONSUMPTION

42,052 MWh

in 2016/17 (down from 47,099 MWh in 2015/16)

162.71 kWh

per m2 (down from 165.21 kWh per m2)

SBC TONNAGE OF CO2

15161

2013/14

16451

2015/16

19207

2014/15

13085

2016/17

SBC ENERGY SPEND

£2.698m

in 2016/17 (down from £3.185m in 2015/16)

£10.44

per m2 (down from £11.17 per m2)

SBC CARBON TAX LIABILITY

£182k

2013/14

£263k

2015/16

£315k

2014/15

£211k

2016/17

Programme Highlights

As part of the transformation programme of works the Energy Efficiency Programme (EPP) is focussed on delivering cost effective energy reductions that represent best value for money while reducing the our energy consumption and costs as much as possible. As part of this programme last year we:

- Completed LED lighting upgrades on 19 sites
- Completed boiler room insulation upgrades at 19 sites
- Completed the upgrade of the life expired windows on our Headquarters building and a number of schools to thermally efficient double glazed units.

What's coming up:

- We will be working hard with our new buildings to ensure they are run as efficiently as possible
- We will actively engage with new building projects at design concept stage to ensure our new building stock is as efficient as possible
- We are upgrading boiler room insulation at a further 23 sites
- We are undertaking LED lighting projects at a further 13 sites
- We are assessing proposals to install Solar Panels at 12 of our sites
- We are undertaking a benchmarking process on our entire estate to prioritise our most inefficient properties for future work
- We are working closely with our managed services partners to identify and implement efficiency opportunities

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