



The Schools' Energy Co-operative

Tenth local school gets solar power through 'fantastic scheme'

LATEST NEWS

JUNE 28, 2019



- ❑ 62 schools in total since 2014
- ❑ 2.2 MWp total generating capacity
- ❑ £2.2 million raised from 4 share offers
- ❑ Part of the Energy4All family

What we offer schools

- ☐ No-cost solar PV systems, no maintenance costs for 20 years
- ☐ Fixed price electricity for 20 years at ~ 25% discount to current grid price
- ☐ Typical primary school can save £800 in the first year
- ☐ Non-disruptive school holiday installations
- ☐ Licence and PPA agreement approved by the Council's legal department
- ☐ Any SEC "profits" distributed to schools pro-rata to contribution
- ☐ PV Systems given to schools after 20 years



The SEC in Ealing & Harrow

Totals	Ealing	Harrow
2016	2	
2017		
2018	7	
2019	3 (+2)	4 (+4)



- ❑ Working with Ealing Council and Ealing Transition since 2015.
- ❑ Working with Harrow Council's Energy Manager since 2018.
- ❑ 11 schools in Ealing, one scheduled for October half-term, 2 children's centres to follow
- ❑ 4 schools in Harrow installed, 4 more expected to follow
- ❑ Almost 500 kWp installed, more than 20% of our total capacity
- ❑ Nearly 220 tonnes of CO₂ to be saved every year, for 20-plus years.

Benefits of partnerships



- ☐ Introductions
- ☐ Access to large number of potential sites
- ☐ Agree contracts once with each organisation
- ☐ Active support, endorsement and promotion
- ☐ “network effects”

Start with lots of potential sites ...

In Ealing there are 92 state funded schools	92
3 rebuilding or closing	89
20 with existing PV	69
15 we did not consider – PFI, Church Schools, some Academies	54
26 have unsuitable roofs	28 quotable schools (30%)



... and end up with some good sites

28 quotes:

- 12 implemented or committed

- 5 implementation issues (Structural x 3, meter x 1, demount x 1)

- 8 schools unresponsive (but only one Community school)

- 3 ongoing Fit free discussions

BUT: 2 children's centres added (FiT pre-registered)

Out of 67 Ealing Primary Schools	
Solar PV installed by SEC	10
Ongoing SEC discussions (2 are extensions)	4
Technical issues prevent installation	5
Unresponsive to our proposal	3
Solar PV already present	11
Unsuitable roofs	21
No action (PFI, church)	13

Original 2015 list (Ealing)	13
Solar PV installed	7
Discussions ongoing	1
Not viable	5

Harrow



But all this work cost time
and money ...

London Community Energy Fund

- ❑ The London Community Energy Fund #1 enabled the 2018 Ealing sites:
 - ❑ 7 installations from 10 surveys
- ❑ We were successful with two applications for the LCEF #2 in late 2018:
 - ❑ Ealing: 6 installations from 16 surveys
 - ❑ Harrow: 4 installations from 12 surveys
 - ❑ Ongoing – 2 sites in Ealing, 8 in Harrow, 1 in Hounslow



Mandeville School, Ealing. Recipients of the 2017/18 London Community Energy Fund.

London Community Energy Fund

Applications for the third round of the Mayor's London Community Energy Fund are now open.

- ❑ We have just made 2 applications for LCEF #3:
 - ❑ Structural surveys and contracts for the above ongoing sites
 - ❑ 12 new sites, 6 in Ealing and 5 in Harrow, potentially “FiT-free”

The SEC has a proven process

- ❑ We have done it before so could implement efficiently & quickly
 - ❑ For example, responding to FiT/ pre-registration deadlines
- ❑ PPA/licence in-place, and approved by Council legal departments
- ❑ Project manager supplemented by local volunteers
- ❑ EPC & structural surveys “on tap”
- ❑ PV installation contractor in-place
- ❑ We know how to deal with DNO permissions, FiT registration etc...
- ❑ Monitoring, & billing system already setup and running

Summary

- ❑ PV on schools is our focus
- ❑ We had good partners ...
- ❑ ... with lots of potential sites
- ❑ And the support from LCEF to find the good ones
- ❑ We have done it before so could implement efficiently & quickly