

The Schools' Energy Co-operative Limited
Chair's Report - Year ending 31st March 2022

This annual report to members of The Schools' Energy Co-operative Limited (the "Co-op") principally covers the financial year ending 31st March 2022, our seventh full year of trading. It also updates you on developments since the year end.

Our mission is to help tackle climate change by reducing carbon emissions. Following the stark warnings from the UN Secretary-General following publication of the IPCC's Sixth Assessment Report in August 2021, many parts of the world including much of Europe, and Japan, have experienced record-breaking heat waves this summer. Commenting on a recent scientific study, co-author Ben Clarke of the University of Oxford stated that "pretty much all heat waves across the world have been made more intense and more likely by climate change."¹ In late August, it was reported that the heat waves in Europe had caused the worst drought in 500 years². On top of all that, recent massive increases in fossil-fuel energy prices make the transition to renewables even more vital.

In 2021/22 our sites generated 2,855,654 kWh of renewable solar PV electricity, the equivalent of the electricity consumption of more than 1,100 average UK households.

During the financial year, carbon emissions savings from our solar PV installation were almost 1,000 tonnes (compared to generation by gas). Our total solar PV generating capacity (at time of writing) is now 3.709 megawatts, saving on average 1,159 tonnes of carbon dioxide emissions each year (compared to electricity generation from gas).

This financial year we had a full year of performance from 83 solar PV systems, and a part year of performance at the 5 sites where we installed solar PV during the 2021/22 year. These sites include 81 schools (we have two separate systems at Shenfield School), two Children's Centres and a nursery, one College, one commercial site, and the cloisters at Salisbury Cathedral.

The Feed in Tariff finally closed on the 31st March 2021, so all of the sites installed during the financial year, and the sites installed subsequently, do not receive support from this subsidy. However, six of these sites were supported by grants from the GLA's London Community Energy Fund (LCEF).

Covid-1 restrictions finally ended on the 29th February 2022, and we have seen a gradual return of interest from schools in renewable energy as they slowly emerge from the difficulties imposed by the pandemic. The recent massive increase in energy prices is also an added incentive. Many schools have long fixed-price electricity supply contracts, in some cases up to 6 years, but as these end we are seeing some schools being offered electricity at up to 30 pence/ kWh, more than double the average costs we typically saw in 2020. So we do expect that our growth will continue, particularly through our new partners like Community Renewable Energy Wandsworth (see later): in fact, we did install nearly 20% more new capacity in 2021/22 compared to the previous year, and we are currently seeing a significant resurgence in interest from schools, with more than 60 schools engaged in active discussions with us at the time of writing.

I wish in particular to thank Energy4All and their member co-operatives for their support of our development. We are not a straightforward community energy organisation and have been growing very fast. Energy4All staff have supported us fully in all aspects of our work, in particular: project development and delivery, post installation management; invoicing and accounting; and raising the funds we need. We couldn't have developed the way or at the rate we have without their support.

¹ <https://www.reuters.com/world/climate-change-is-driving-2022-extreme-heat-flooding-2022-06-28/>

² <https://www.bbc.co.uk/news/world-europe-62648912>

Highlights and key issues of the year

Our prime focus during this financial year has been to begin rebuilding our momentum, following the impact of Covid 19 and the final end of Feed in Tariff support.

The Feed-in tariff ended on 31st March 2019, except for installations pre-registered by community energy groups (such as us) by that date, in which case we had a further year in which to install the solar array, which was subsequently extended to March 2021 due to the impact of Covid-19.

Attention in schools and local authorities has been focused on dealing with the pandemic, often to the detriment of potential solar PV projects. Covid-1 restrictions finally ended on the 29th February 2022, and we have seen a gradual return of interest from schools in renewable energy as they slowly emerge from the difficulties imposed by the pandemic. The recent massive increases in energy prices are also an added incentive.

During the financial year we:

- Installed solar panels on 5 sites and since the year end we have installed solar arrays on 4 more schools, bringing us to 92 installations at the time of writing.
- Developed our new relationship with Community Renewable Energy Wandsworth (CREW), successfully applying for a London Community Energy Fund to support installations at four Catholic schools in Wandsworth which were introduced by CREW, three of which have been installed at the time of writing.
- Continued our successful relationship with Ealing Council and Ealing Transition, bringing the total to 16 sites (14 schools and 2 Children's Centres) and 528 kWp. We also secured a further LCEF grant (our eighth) to re-evaluate Ealing school opportunities in the light of the ending of the Feed in Tariff and recent steep increases in energy prices.
- Continued our successful relationship with Harrow Council, successfully applying for a London Community Energy Fund grant to support an installation in one additional school in Harrow, which has just been completed at the time of writing.
- We were awarded three further London Community Energy Fund (LCEF) grants by the GLA, to support: a further pre-feasibility review of Ealing schools previously rejected; and capital grant support for Wandsworth Schools and for one additional school in Harrow.
- Operated solar panels at 88 sites (and 4 more since the year-end).
- Returned £50,563 to members by redeeming shares and paid interest at 5% on the shares subscribed under our first three share offers and a rate of 4.5% on share issued under the fourth share offer.
- Approved £15,000 to be paid in dividends to member schools, representing school dividends for financial year 2020/21.

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1. 2021/22 Financial Performance and Accounts; and grants received

Financial performance in 2021/22 represents a full year of trading from our first 83 installations. We also had some limited generation – varying from 10 months to 2 months - from our 5 new installations commissioned in 2021/2022. Aggregate generation during the financial year was 99% of our projections.

Revenue from sales of electricity, export, feed in tariff and grant income was just 0.6% below budget, and gross profit before interest 1.9% below budget. This was as a result of slightly below budget generation for the year, but was also impacted by slightly lower electricity use in schools as a result of the Covid-19 restrictions. However, gross income increased to £424,234 (2020/21: £398,853) and the surplus of £167,996 is sufficient to fund the interest payment to members, plus an increased dividend to schools.

The accounts have been prepared in accordance with the principles set out in our share offers and previous accounts. The cost of installing the solar arrays has been capitalised and allocated to the capital cost of the successfully built sites. This includes the costs of surveys, grid charges and various project management and fundraising expenses incurred. Costs incurred on abortive projects are written off, but most of our abortive costs on London sites have been funded by grants from the Greater London Authority. We accrued £12,007 in the year for an estimated potential liability for business rates although so far we have only been assessed for rates on one site. It is not clear whether we will be liable for rates and if so what the amount will be, but we consider this the most prudent approach to adopt.

During the year we received a grant of £15,000 from the GLA under the LCEF 3 scheme, to cover feasibility work on potential schools in London. We also received a second grant of £21,775 from the GLA under the LCEF 4 scheme, to support the installation of an additional 94 kWp of solar PV capacity at three schools in Ealing. These three sites were as a result of the feasibility work covered by the LCEF 3 grant.

We also applied for and were awarded three further LCEF 5 grants, to support: a further pre-feasibility review of Ealing schools previously rejected as unsuitable; and capital grant support for Wandsworth Schools and for one additional school in Harrow.

We depreciate the value of our solar arrays over the 20-year duration of their Feed-in Tariff. Sites without Feed-in Tariff are depreciated over 25 years. Depreciation commences in the financial year after commissioning. So the 2021/22 accounts include a depreciation charge of £ 158,136 for the 83 solar PV installations and the LED lighting installation where we had a full year of operation, compared to a depreciation charge of £149,739 on 77 installations in the previous financial year. Depreciation and interest paid to members are by far our two largest expenses.

Interest in the profit and loss account represents the interest paid on our loans from Pure Leapfrog and from other co-operatives in the Energy4All family. Interest paid to members approved at the 2021 Annual General Meeting is shown in the page headed Statement of Changes in Equity. Interest payable in respect of the 2021/22 surplus, as agreed at the Annual General Meeting, will be shown in the 2022/23 accounts in the same manner.

At the year-end our borrowings were £96,884, which was all paid back by the end of June 2022.

Currently we are only receiving metered export income from Glenleigh and King's Park schools. Progress on the issues of installing export meters cost effectively at some schools has unfortunately been slow, due to the complexity of dealing with multiple organisations, not all of which are co-operative, and resource constraints. We hope to make further progress over the coming months as additional resource becomes available. Once successfully concluded there should be a modest increase in our net income.

2. Interest payable to members for 2021/22, dividends to schools

The Board proposes that approximately £129,693 be paid as interest to members, representing an interest rate of 5% on our first three share offers and a rate of 4.5% on share issued under the fourth and fifth share offers, as described in the terms of those offers.

Distribution of interest and dividends is determined by members at the annual general meeting. A resolution to pay interest as described above will be put to members. If members pass the resolution, we anticipate that interest will be paid in October.

We also propose that £25,000 (2020/21: £15,000) is paid as a dividend to our school members and the balance of our surplus is retained to develop the Co-op and to provide us with additional reserves to deal with the uncertainties we face, particularly as a result of the Covid-19 pandemic. The dividend will be allocated between schools broadly in proportion to their contribution towards that sum.

Our proposed retained earnings are again rather higher this year than historically and particularly reflect the surplus from solar arrays installed in the year. Schools are not entitled to dividends in the year of installation and we do not pay interest to members in the financial year in which they subscribe for shares. We also adjust the schools' dividend so that it is not affected by any grant we receive. This enables us to fund our working capital needs and to meet the costs of new projects, and the cost of projects that do not proceed. We do propose in principle to pay our underlying annual surplus, after interest to members and one-off events, back to schools. We expect our payments to schools to continue to increase in respect of the 2022/3 financial year and subsequently, assuming no continuing adverse impact from Covid-19 or other unforeseen circumstances.

Interest payable on shares issued under the first three share offers is potentially increased by inflation. The shares issued under the other share issues are at a fixed rate of 4.5%. We strove – and stretched - to make the interest target of 5% in the first few years of trading, which were affected by some unbudgeted one-off charges (particularly arising from a batch of faulty inverters from a company that then withdrew from the UK market), and some permanent unbudgeted increased charges, including all our sites becoming potentially liable to business rates. We have also not yet managed to achieve export income from many sites due to regulatory issues and complexities. More recently, we have faced issues arising from Covid lockdowns, high inflation, considerable uncertainty in future electricity market regulation and volatile current and future electricity prices. The FCA has also recently objected to other co-operatives paying interest rates which are linked to inflation.

In the light of this we do not consider it appropriate or prudent to increase the rate of interest on these 5% shares and anticipate that no increase will be made in respect of 2022/23 either. We intend to discuss with our members our future interest rate proposals for the 5% shares and will send members a separate note on that.

3. Installations in 2021/22 and subsequently

During 2021/22 we installed the following solar PV arrays.

School/ site	Month of full commissioning	Solar Panel Array Capacity, in kW	Anticipated annual output in kWh
Chelmsford School for Girls	August 2021	107.895	91,711
West Acton Primary School	June 2021	48.84	41,514
Grange Primary School extension	August 2021	31.08	26,418
Sutton Community Academy	January 2022	165.3	133,562
Ollerton & Boughton Nursery	January 2022	29.64	20,049
Totals		382.755	313,254

Since the year end we have installed solar panels on the following sites:

School	Month of commissioning	Solar Panel Array Capacity, in kW	Anticipated annual output in kWh
Sacred Heart Battersea RC Primary School	June 2022	54.76	46,942
Sacred Heart Roehampton RC Primary School	June 2022	28.86	24,930
St Anselm's, Wandsworth	August 2022	33.62	29,073
St Bernadette's Harrow	August 2022	40.425	33,94
Totals		157.7	100,945

These installations take our total installed capacity to just over 3.7 MW.

4. Generation and operations in 2021/22

The appendix to this report sets out details of performance of our sites in 2021/22. Most of our solar panel arrays are currently working well. If each site generated for a full year annual generation from these sites should be just over 3.3 GWh.

We have continued to make improvements to our monitoring and maintenance response. Rachael Hunter runs this work for us on behalf of Energy4All. We had no major faults during the year, but we resolved inverter problems at 3 sites. We also added bird proofing to adjacent two sites in Ealing, and arranged for the plants to be trimmed on our "green roof" site at Noah's Ark Hospice.

Progress on the issues of installing export meters cost effectively at some schools has unfortunately been slow, due to the complexity of dealing with multiple organisations and resource constraints. We hope to make further progress over the coming months as additional resource becomes available.

Generation to date in 2022/23 has been excellent and amongst our best years to date.

5. Return of Members' capital

An investment in the Co-op is in principle for up to 20 years (25 years for the most recent share offer) but the Board anticipates redeeming shares annually to enable members to receive their investment back if they wish, subject to availability of funds. If we have more funds available for share redemption than we have requests for redemption then we may redeem the same proportion of each member's shareholding. All redemptions take place at £1 per share.

In October 2021, we made our second return of capital to members, totalling £46,963 satisfying all requests made. The Board anticipates a further share redemption at the end of this financial year.

The funds for share redemption come in effect from the depreciation charge, to the extent it has not been invested in new projects or any such investments are separately funded. We also have scope to issue new shares to fund the withdrawal of shares by members.

Occasionally we receive requests to redeem small numbers of shares. Obviously members' circumstances can change and members may wish to redeem at short notice. Cash permitting we will permit members to withdraw up to £1,000 a year of shares on request. Larger sums will be dealt with by the annual withdrawal procedures. Interest will not be paid on shares withdrawn during a financial year under this arrangement.

6. Developments since March 2021: our new partnership with CREW and our sixth share offer

In addition to the four sites installed since the year-end, we are currently talking to over 60 further sites, including 5 more Catholic schools in south west London through CREW, 4 more schools from Ealing through Ealing Transition, and 3 more from our relationship with Harrow Council. The other sites include schools from several new Academy Trusts, from one additional Diocese, and a Grammar School and a Technical Collage. Eight of the 60 sites are at the survey stage.

Our new partnership with CREW – Community Renewable Energy Wandsworth – has resulted in three completed installations since March 2022, with further schools which are expected to agree soon. CREW is a vibrant community energy organisation based in the London Borough of Wandsworth but working in several south-west London boroughs. The partnership is similar to those we have in Ealing and Salisbury where CREW are the local presence and have the prime contact with the schools, and the Co-op organised the installation and its subsequent operation and undertakes the share offer to fund the installations, which was particularly promoted in south-west London.

CREW has a pipeline of further schools that wish solar PV to be installed, primarily through its work with the Catholic Archdiocese of Southwark. CREW has also identified several interested schools owned by Wandsworth Council, but unfortunately the Council has not agreed to these installations proceeding at present - we hope that together with CREW we can make progress on these sites in the future.

To support these activities, our sixth share issue was launched in mid-May 2022, and closed in early June having raised over £500,000, bringing total raised in all offers to almost £3.5 Million. We were again delighted with the positive response from both existing and new members, and thank all of those who invested, especially our new members from the Wandsworth area.

As a result of the funds raised in this share issue, we were able to repay all borrowings (which stood at £96,884 at the year-end) by the end of June 2022.

After an uneventful maintenance year ending in March 2022, during the heat waves we saw in July and August, we experienced a number of maintenance problems, and also reduced generation for quite a few of our systems as they struggled to cope with the demand. We unfortunately suffered an inverter fire at one site (thankfully contained and with no injuries), some heat damage at 2 other site, and wiring and inverter problems at 5 other sites. At the time of writing these issues have mostly been resolved.

7. The future - post-covid and post-FiT

We expect the current resurgence in interest from schools to continue, especially as school's fixed-price electricity contracts expire - we have heard that schools are being offered electricity at 25 or 30 pence/ kWh currently, which is twice the cost that we saw 2 years ago. This alters the financial dynamics of our offer, as whilst there have been significant increases in solar PV capital costs this year, of up to 50%, overall our costs have not increased so steeply as have energy costs.

As noted in our last report to members, new (post-FiT) schools will pay more for their electricity than our existing schools and arrangements with them will continue for longer – typically 25 years rather than 20 as at present. We also link the price paid by the schools for the electricity generated by inflation, rather than being able to offer a fixed rate for 20 years as we were able to under with feed in tariff support. We will continue to target an average return (IRR) of about 6.5%, based on various assumptions. In practice most of the risk is on underperformance, so we need to raise long terms funds for about 4.5% or less, to provide sufficient margin.

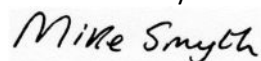
Achieving the IRR target has proven difficult on smaller systems, and we have recently received capital support for several sites in the form of grants from the GLA's LCEF. However, as schools face higher and higher prices for grid electricity, this situation may change - analysis carried out in Ealing (with LCEF 5 support) suggested that some small sites (c. 30 kWp) can work without subsidy, at a starting PPA of around 16 pence, which should be attractive to schools paying 25 or 30 pence/ kWp for grid electricity. However, we have seen that schools can be nervous about entering into a 25 year contract, fearing that future grid prices may fall. So we will have to wait and see how school's views of future grid prices evolve before being more confident that smaller sites can work without subsidy. Larger sites of 80 or 100 kWp can generally work without subsidy, and we have seen an increased level of opportunities for systems greater than 100 kWp recently.

8. Staff/ volunteers

Zach Wishart continues to provide us with expert project management support, having joined us in November 2020. Rachael Hunter continues to look after issues with installed sites including maintenance, monitoring, export and FiT issues. Rachael has recently moved to a new role at Energy4All, of co-operative development officer, supporting Energy4All member co-operatives on the development and delivery of co-operative values in their work. Energy4All is recruiting a successor to her to look after operations. Until the appointment is made Rachael is continuing to cover the operational work for us. All our directors are volunteers. I thank them all very much for their huge commitment and contribution without which this co-operative would not have been able to thrive and grow.

I look forward to “meeting you” virtually at the AGM on 21st September.

Yours sincerely



Mike Smyth
Chair, The Schools' Energy Co-operative Limited

The Schools' Energy Co-operative – details of generation by school to end March 2022

School	Size (kWp)	Budget (kWh)	15/16 (kWh)	16/17 (kWh)	17/18 (kWh)	18/19 (kWh)	18/20 (kWh)	20/21 (kWh)	21/22 (kWh)
Ashlyns, Berkhamsted	49.92	37,190	5,200	35,627	33,833	35,583	29,056	29,639	27,939
ASL, London	9.15	8,671					3,881*	9,660	9,260
Avanti House School	49.77	46,850						51,181*	37,729
Bayside, Bournemouth	49.78	46,240	-	-	-	5,217*	52,457	52,322	49,798
Beck Row	29.7	26,017					8,628*	25,287	27,727
Bishop Wordsworth	30	28,170					2,260*	26,203	24,391
Bristnall Hall	29.92	25,641					3,061*	26,883	26,477
Caldmore	29.92	27,556					7,312*	27,969	27,077
Canon's High School	49.98	42,875						13,263*	44,688
Castlebar, Ealing	19.76	16,262	-	5,394	10,914#	16,605	15,672	16,230	14,629
Chelmsford School for Girls	107.9	91,711							46,165 *
Courthouse, Maidenhead	47.84	39,372	27,687	37,644	35,100	36,995	34,854	36,049	32,157
Drayton Green, Ealing	18.09	16,209	-	-	-	1,783*	15,034	17,319	15,096
Duckmanton	29.64	24,638	-	10,112	21,092#	23,299	19,561	18,531#	24,633
East Acton	17.1	15,013					6,632*	14,904	13,384
Elm Academy	49.95	46,453	-	-	10,970*	46,008	44,098	46,028	43,860
Fielding Primary, Ealing	29.97	26,816	-	-	-	12,362*	28,443	28,911	26,765
Fullbrook, West Byfleet	42.9	36,656	5,142	37,432	24,009#	37,743	36,392	38,073	23,668
Glebe	29.98	26,778					13,874*	30,476	28,054
Glenleigh, Bexhill	150	142,411	150,701	150,529	140,549	137,516 #	146,096	151,105	146,963
Grange, Ealing	8.84	7,841	-	2,407	7,331	8,285	7,811	8,120	13,484*
Great Heath	29.92	26,095					4,417*	29,060	26,811
Great Totham, Essex	29.97	24,972	-	-	-	23,537*	28,971	28,613	27,904
Greenacre, Chatham	48.88	46,911	-	16,891	44,029	43,232#	44,298	45,357	41,014
Hathaway Academy	45.81	41,091						6,451*	47,033
Hemlington	29.12	24,402	-	10,160	24,007	26,079	25,061	24,314	25,809
Hitchin Boys	47.06	39,987	-	12,301	38,540	41,618	39	39,277	37,591

School	Size (kWp)	Budget (kWh)	15/16 (kWh)	16/17 (kWh)	17/18 (kWh)	18/19 (kWh)	18/20 (kWh)	20/21 (kWh)	21/22 (kWh)
Horsenden, Ealing	49.95	43,756	-	-	-	22,240*	45,921	46,252	42,521
Iceni Academy	29.98	26,348	-	-	-	2,987*	28,599	28,859	27,279
Jubilee	29.7	24,977					9,234*	26,455	25,680
Kenmore	29.42	26,858					12,166*	29,762	27,049
Kettlefields, Newmarket	21.6	19,548	-	-	-	11,302*	22,645	20,169	21,898
Kings Park	49.95	46,750	-	-	6,866*	50,185	48,230	49,431	47,309
Kings, Peterborough	49.88	38,897					4,377*	44,203	41,410
Kingsmore	28.56	25,218					2,560*	28,461	26,217
Kinson	19.88	18,607					2,889*	20,805	19,262
Kong, Salisbury	49.88	46,284					9,456*	50,981	48,237
Lady Margaret	29.97	26,853	-	-	-	12,073*	28,804	29,879	27,385
LeAF, Bournemouth	49.95	45,554	-	-	-	48,760	48,592	49,517	47,269
Lime Trees	21.06	17,649					3,297*	20,589	18,239
Longspee	29.97	28,358	-	-	20,274*	28,670	27,614	28,362	22,231
Mandeville, Ealing	49.95	48,052	-	-	-	23,423*	46,355	54,179	50,445
Manorside, Poole	29.97	28,382	-	-	20,311*	32,245	31,369	32,648	31,231
Mark Hall	29.92	27,636					1,953*	23,951	27,068
Middleton, Leeds	29.12	24,956	-	17,920	26,826	30,066	28,309	27,373	28,313
New Mills	21.6	19,202	-	5,522	17,765	19,980	18,537	18,769	18,924
Newmarket	11.44	10,330	-	4,688	11,380	12,459	11,831	11,658	11,222
Nicholas Hammond	80.54	71,193						6,446*	73,272
Nigel Bowes	28.62	24,690	-	-	7,657*	24,839	24,782	25,989	25,339
Noah's Ark, London	46.17	41,282	-	-	-	0*	32,777#	28,225#	32,900
North Walsall	29.82	24,932					9,733*	27,520	27,774
Northolt Park	25.38	22,258					3,595*	22,880	19,076
Oak Academy	95.58	87,961	-	-	8,500*	101,157	97,434	92,147	87,215
Oakwood, Eastbourne	47.32	51,295	21,987	54,298	45,815	34,947#	52,145	47,394	52,522
Park High	49.78	45,693					14,468*	48,781	44,315
Perivale Primary, Ealing	29.97	26,932	-	-	-	2,092*	27,358	27,719	25,792
Phoenix	29.67	25,545					695*	22,704	26,689
Pool Hayes	49.69	42,402					4,285*	44,595	42,888

School	Size (kWp)	Budget (kWh)	15/16 (kWh)	16/17 (kWh)	17/18 (kWh)	18/19 (kWh)	18/20 (kWh)	20/21 (kWh)	21/22 (kWh)
Ravens	29.92	25,192					728*	30,843	29,369
Roxbourne	29.8	26,428					1,648*	28,747	26,609
Salisbury Cathedral	36.8	33,708						18,999*	34,217
Samuel Ward, Haverhill	26	23,296	-	5,591	18,889	19,362#	22,566	24,034	22,913
Selbourne	59.2	54,154						5,756*	56,643
Shaftesbury	49.95	45,174					16,307*	48,892	44,979
Shenfield School	49.72	42,479	6,821	40,452	18,718#	49,039	46,453	47,627	46,167
Shenfield Sports Pavilion	29.12	24,984	2,960	25,005	10,646#	27,202	26,159	25,863	24,688
Sheringham, Norfolk	47.84	41,241	-	13,657	42,510	44,972	42,777	42,289	41,912
Southend Prince Avenue	45.76	41,733	-	17,424	29,160#	47,876	45,520	45,060	43,900
St Aldhelm's School	29.7	27,545	-	-	-	4,063*	30,896	31,397	30,026
St Martins	29.97	26,278					4,981*	29,500	26,959
Stalham, Norwich	45.76	36,713	-	18,608	41,370	40,935	37,091	37,606	34,323
Sutton Community Academy	165.3	133,562							19,509 *
Throop, Bournemouth	11.07	10,770	-	-	-	8,701*	1,131	11,100	10,706
Tregonwell	29.75	27,547					29,238*	30,990	28,587
UCAN, Northwich	28.86	23,780	-	7,544	25,209	27,834	25,951#	16,404#	9,995#
Viking	29.92	28,159					4,936*	23,190#	26,017
Warren Wood, Rochester	35.08	33,803	-	7,811	25,631	26,838#	27,688	28,266#	26,445
West Acton Primary	48.84	91,711							32,777 *
Westbourne Academy	29.7	26,195	-	-	-	0*	21,531#	29,505	28,271
Westfield, Haverhill	36.92	29,536	-	11,021	30,821	32,548	30,685	31,740	30,253
Wiltshire College	58.9	55,287					2,428*	60,565	55,435
Wolf Field Primary, Ealing	29.97	27,812	-	-	-	6,969*	29,959	30,443	26,907
Wood End Infant, Ealing	29.97	28,363	-	-	-	14,947*	31,818	32,240	30,750
Totals	3,447	3,111,649	225,066	587,876	856,651	1,381,670	1,843,905	2,671,993	2,847,501

Notes:

*means the solar array was installed during the financial year, so the school generated electricity for only part of the year.

#means seriously adversely affected by faults in the year.