

Solar for Schools

A programme and online software to support more solar on UK schools, faster.

Collated by Community Energy England for the PSDS III Working Group
at the Midlands Net Zero Energy Hub



For any Local Authorities interested in working with
Solar for Schools, please contact
s.jackson@communityenergyengland.co.uk

4 QUALITY
EDUCATION



7 AFFORDABLE AND
CLEAN ENERGY



11 SUSTAINABLE CITIES
AND COMMUNITIES



13 CLIMATE
ACTION



The Solar for Schools programme



Working with councils, dioceses and Trusts in multiple countries SFS have developed **over 150 school solar projects**.



Their **website and software tools** sit at the heart of what they do, helping partners find the best opportunities to **save carbon and money**.



Solar for Schools provides partners with multiple ways to help fund projects, including **fully funded or blended funding**.

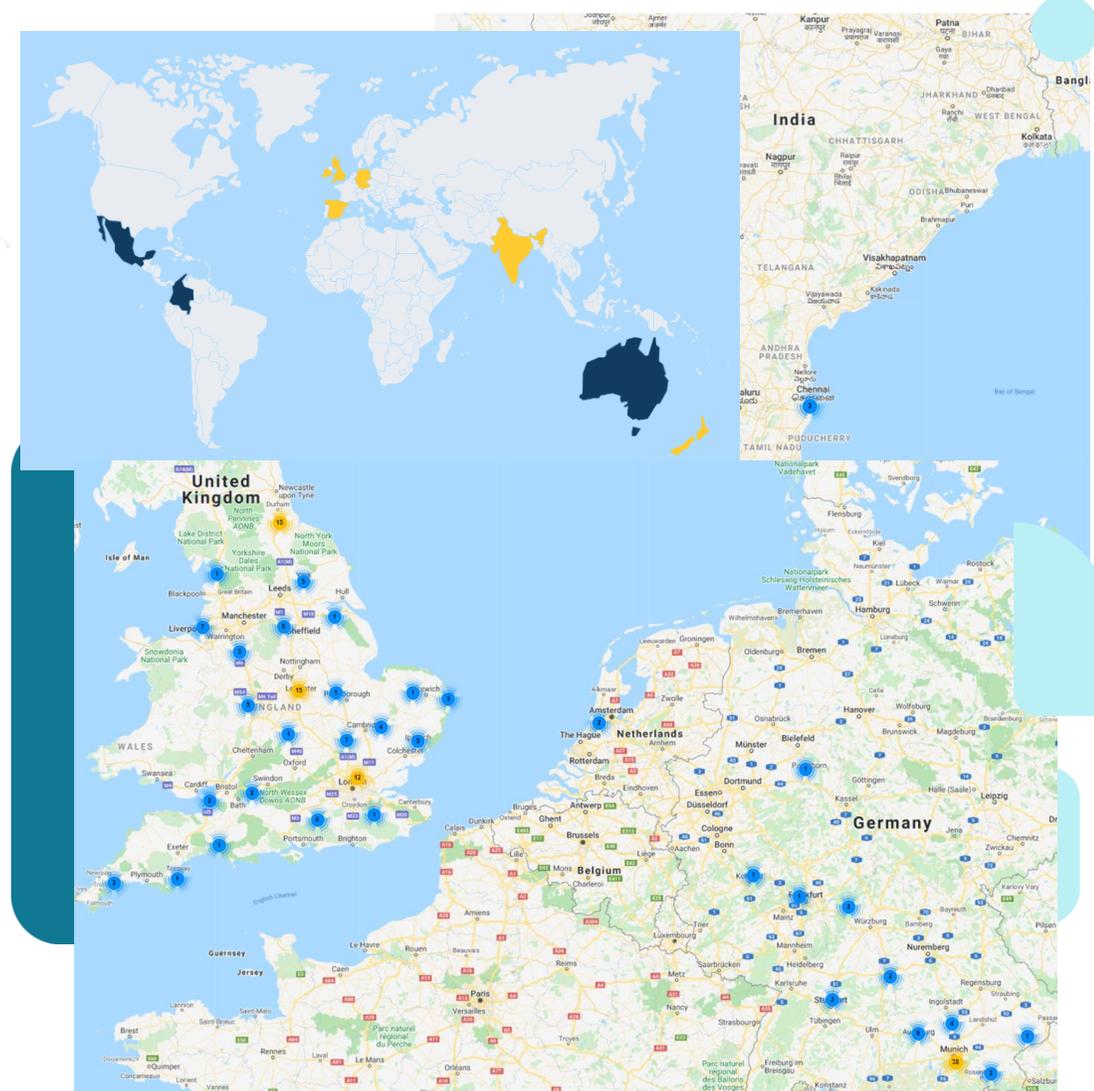


Education is a key driver, with the **programme including long term support for every student** in a solar school project



SFS also protects schools and partners: with no upfront fees or long term charges for the ongoing maintenance of solar assets. Costs covered by the programme.

150+ successful school projects across the UK, Germany and India



Trusted partners internationally and in the UK

Solar for Schools has a diverse range of trusted partners – including UK Councils and Government Departments:

Sustainability Education Sector

SEED
GREEN SCHOOLS PROJECT
NAE
LESS
Low Energy Sustainable Schools
Energy Sparks
DGU
NILS ISFH
29++
Klima Energie Initiative

Solar Developers & Installers

kiWa ENERGIA
disolar
SOLAR ENERGY
SPECTRUM
solera
SOLAR DIVERSIFIED

Community Energy Groups

Community Energy England
EGF
Energie Genossenschaft Fünfseenland eG
RESCOOP.EU

Electricity Suppliers & Companies

OPUS energy
Part of Drax Group
good energy
octopus energy
e-on
ESB

Councils, dioceses & gov. depts.

UNRWA
الأونروا
GOVERNMENT OF TAMIL NADU
TRUTH ALONE TRIUMPHS
Durham County Council
Landeshauptstadt München
ERZDIÖZESE MÜNCHEN UND FREISING
Leeds CITY COUNCIL
Department for Education

Bringing solar to regeneration funding opportunities

£25 million case study - Leeds City Council, 2021

- 12 schools taken solar by Solar for Schools in partnership with Leeds City Council
- Council integrated solar with other PSDS III measures (heat pumps, LED) to increase income generation and financial savings from projects
- Blended funding - SFS integrated community finance (crowdfunding) with Leeds City Council PSDS funding
- Blending funding helped Council achieve a lower investment-carbon saving ratio (which aided priority rating in receiving PSDS allocations)
- Solar for Schools secured a long-term electricity price offer for Council and schools- under 14p rate set to rise only with inflation, over the next 25 years
- Council was also protected from risks of owning solar assets, and ongoing maintenance and upkeep costs post-installation. Ownership and costs covered by Solar for Schools CBS.
- Council now exploring further opportunities within PSDS III

Highlights:

Local assets created:

1000+kWp school solar installed

Carbon savings achieved:

179 tonnes (Y1)

Financial savings:

Under 14p solar rate secured with schools for the next 25 years

Ongoing charges and costs:

maintenance, upkeep and education covered by Solar for Schools CBS, who own solar assets



Leeds
CITY COUNCIL

Valley View Community Primary School

309 panels installed, 102.0 kWp

Example case study with Leeds City Council, 2021



Total financial savings forecast

£200,929



Total carbon savings forecast

431 t



Hollybush Primary

1,003 panels installed, 275.8 kWp

Example case study (Included in the pack)



Total financial savings forecast

£399,946



Total carbon savings forecast

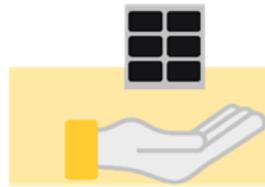
1,065 t



solar for schools
international community
member

Other Support & Software for partners

Software and Support



See the potential of sites and whole local areas using the *SFS National Database*



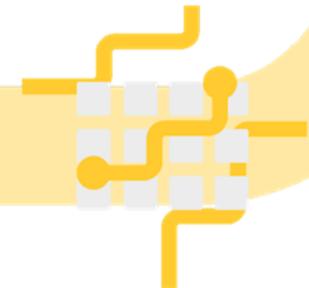
Produce easy estimates for carbon and costs savings using the *SFS paneliser*



Ensure schools and your locality are supported with the *SFS Asset Management and Education Pages*



Gaining access to full or blending funding through *The SFS Programme*



See the potential of your area – Solar for Schools National Database

Solar potential of your school

Based on our expertise working with schools around the world, we have develop an easy-to-use analysis tool to assess what would a solar panel system on your school roof mean in terms of investment, savings and decarbonisation.

Just enter the name of your school in the field below to start the analysis. Our assessment has many assumptions based on local market data that you can adjust accordingly.

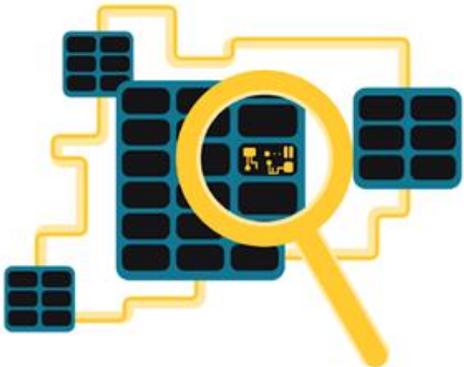
Our database of schools covers UK, Germany, India and Spain. For all others, please contact us directly.

Solar for Schools has created a National Database through it's website to help partners see the solar potential of any UK school and local area quickly www.solarforschools.co.uk

Check your school's potential



Seeing the potential in your area



- Solar potential of your school
- Our schools
- Our services

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Check your school's potential



You can find this by going to the "Solar" tab on their website www.solarforschools.co.uk



Homepage

Falcon House
2 King Street

Tel
+44 (0)7946 24556

Solar for Schools supports the UN Sustainable Development Goals

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Using the search tool you can then search by individual school, school Trust, Diocese group or whole local areas- including Council and city boundaries
www.solarforschools.co.uk

Check your school's potential

Searching in United Kingdom ×

Start typing a postcode or school name then select from the list Search

[Extended Search +](#)

Browse City Trust Council Diocese



If you search an individual school, you will come to the school's profile page. This page can give you estimates on potential solar coverage for a particular site, as well as key estimates for carbon and financial savings.

You will also see the capital required to undertake the project, with SFS able to offer opportunities for Councils to seek fully funded (SFS only) or to blend funding with pots like PSDS or Levelling Up grants. Blending funding usually provides optimal financial and carbon savings to be achieved.

Wetherby High School

Hallfield Ln, Wetherby LS22 5RF, UK
Ms S Jefferson, Headteacher

Overview Analysis

Overview Analysis FAQs

Our analysis indicates that Wetherby High School could

- Generate 237,003 kWh, or **37%** of your school's energy needs each year from solar energy.
- Install 947 panels equivalent to 284 kWp. [Design Tool](#)
- Capital required £23,376 that we can fund for you. [Contact us](#)

Design a solar panel system to improve the accuracy of our estimate

Get in touch and find out how we can fund the system for you

If you cannot fund it, we'll do it for you, partially or in full. Watch how it works!

Our analysis indicates that Wetherby High School could

- Save £577,330 over the next 25 years. [Download Presentation](#)
- Equivalent to planting 1403 hardwood trees and looking after them for 40 years. [Register](#)
- Stop 1,273.0 tonnes of CO2 over the next 25 years. [Register](#)
- Inspire 1019 students to live more sustainably. [Educational services](#)

Read about the great experience other schools have had going solar with us

Register to see the entire report of the analysis

We provide energy and sustainability education funded by the solar panels

See nearest solar school: Bardsey Primary School, 100m away. [See school](#)

Watch what our students are learning!



Click on the desired authority to see an overview of the solar potential of its schools or search for an authority by keyword below

Show entries

Search:

Value	#Schools	#Pupils
Devon	463	126,914
Staffordshire	453	148,694
Lincolnshire	446	126,183
Nottinghamshire	424	135,846
North Yorkshire	422	107,317
Suffolk	418	128,133
West Sussex	386	142,662
Oxfordshire	381	136,482
Gloucestershire	377	108,370
Cumbria	372	85,784

For Councils looking at multiple school projects, or trying to prioritise best sites within an area – the SFS database also allows you to consider solar potential across entire local areas

Showing 11 to 20 of 189 entries

Previous 1 **2** 3 4 5 ... 19 Next



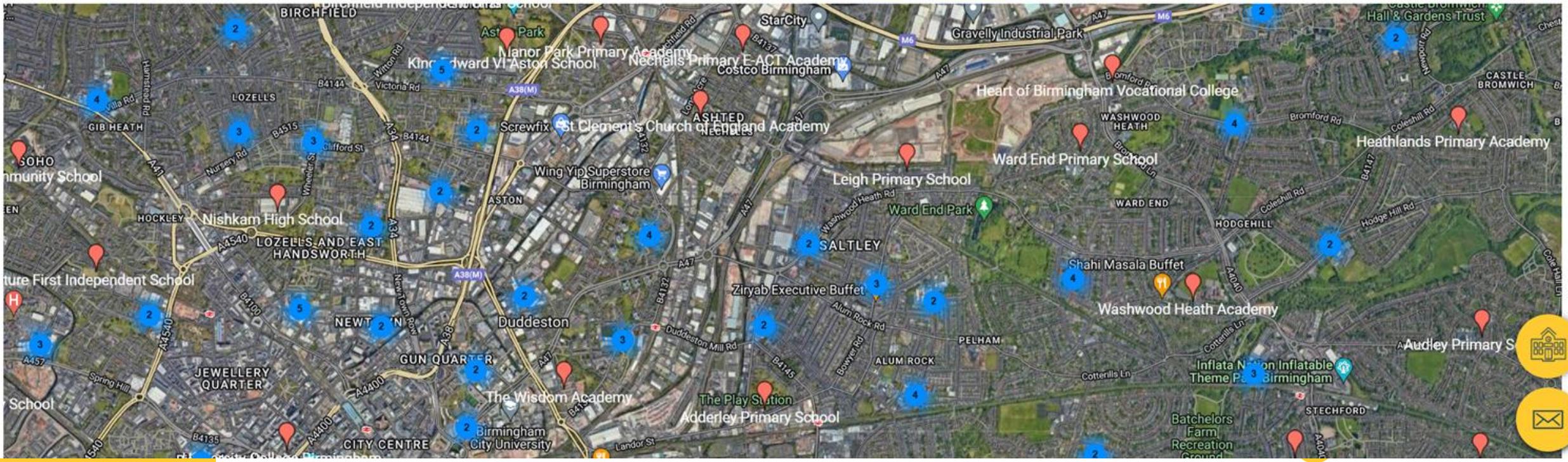
Schools in Birmingham

Once you find your own local area, you can gain access to a various ways of viewing the information you may need - including map, gallery and list options.

List

Gallery

Map



Gallery and list options will give you whole area figures, and also allow you to filter through to find best sites in an geography.

List

Gallery

Map

Totals

29,545 kWp
System Size Potential ⓘ

£25,788,362
Lifetime cost savings ⓘ

5,796 t
First Year CO2 Savings ⓘ

Schools: 573
Designs: 573

King Edward VI High School for G...



101 kWp £138,276 20 t

See Price offer(s) for this school

Starbank School



240 kWp £476,748 48 t

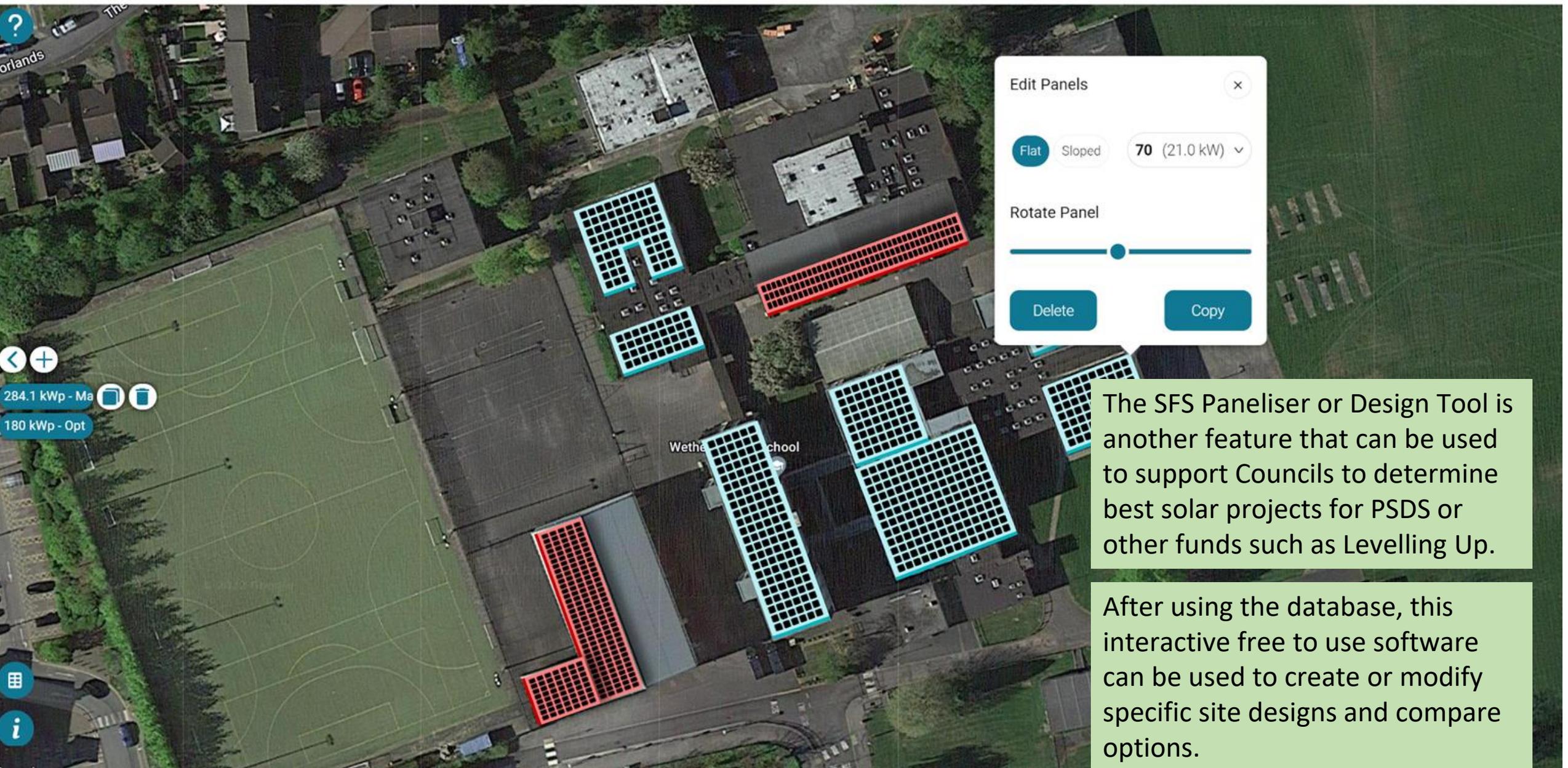
See Price offer(s) for this school

Fortis Academy



Swanshurst School

It is important to note that database figures are automatically generated according to estimates on student size and building footprint for each school. It is therefore essential to contact SFS to check sites and information, if you are interested in taking any projects forward. You may wish to do this before or after having a look at the SFS Design or Paneliser Tool (next slide).



The SFS Paneliser or Design Tool is another feature that can be used to support Councils to determine best solar projects for PSDS or other funds such as Levelling Up.

After using the database, this interactive free to use software can be used to create or modify specific site designs and compare options.

65%

Max
284 kWp - 947 Panels

CO₂ 54T

37%

£577,330

Edit Electricity Assumptions

Open Design

Funded by SFS

Edit Financial Assumptions



Creating site designs will help make estimated carbon and financial savings more accurate – though it is still recommended that if interested, you contact SFS to check figures and potential funding options or set up a free partner account and receive additional training.

Download XLS Download Report Help

50%

Default System
163 kWp - 543 Panels

CO₂ 32T 24% £557,210

Edit Electricity Assumptions

65%

Max
284 kWp - 947 Panels

CO₂ 54T 37% £577,330

Edit Electricity Assumptions

65%

Opt
180 kWp - 600 Panels

CO₂ 35T 26% £421,807

Edit Electricity Assumptions



Funded by Sfs

Funded by Sfs

Funded by Sfs

Edit Financial Assumptions

Edit Financial Assumptions

Edit Financial Assumptions

The design tool can be accessed through an individual school's profile page – clicking on the "analysis" tab.

If you go here, there will be a "default system" (which uses the automatically generated figures for the national database). Alongside this, you can add your own designs to compare best solar coverage, carbon and cost savings.

To save time – you can also contact Solar for Schools to do this for you

A final feature is the SFS approach to Asset Management and Education – which helps ensure long term support to Schools and Councils

After installation

Solar for Schools supports Councils with the long-term maintenance and management of solar assets, including annual checks and upkeep. See Leeds Case Study for more details.

Website Data and Trackers

Included in this support are additional education and monitoring features such as the live data charts and trackers on the SFS website.

These features allow schools and Councils to ensure systems are running efficiently daily, weekly, monthly or annually, without needing to visit sites.

Data is tracked live from sites and can even be exported direct from the website to give Councils and schools further documentation or evidencing of what their site is doing.



This support helps Councils, but also school staff and funders of projects - who may want to access information around invoicing or system performance after installation.

More information for...

School Business Managers	
System status:	OK
Download certificate	>
Download data for DEC	>
Check meters graph	>
Integrate into website/presentation	>

Teachers and Students	
Take part in our education programme	>
Explore the current phase of your system	>
Access the app	>
See the video library	>
Contact an education advisor	>

Funders	
Performance:	On Track
System installation date:	2021-Jul-21
Funding provided:	£40,724
Login to update your records	>
Fund a project like this!	>

Your school could be next

Contact us

Education is also a key feature included in the SFS Offer to local partners. In classroom workshops and lesson support, as well as innovative independent learning support such as the Solar for Schools App are made freely available to all solar schools. www.solarforschools.co.uk/services/education

Independent learning activities

We empower students to continue to learn outside of the classroom. Therefore, we have digital learning resources available for your students to engage independently in energy, environmental education.



Solar for Schools App

The Solar for Schools App has gamified sustainability education for students, providing them with modules and missions to complete and earn points and badges, all while learning about energy, electricity and the environment

Video library

Short, informative videos are available to your students via the Solar for Schools website, curated so that they may review the basics about energy and solar power at their leisure