



Energy Matters

The energy and sustainability service's newsletter
Issue 47 May 2020

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Contact the Energy and Sustainability Team
01609 535775 ~ energy.team@northyorks.gov.uk

Energy pricing

Some schools have been contacted by brokers saying that energy prices are going up due to Brexit. Our buying partners YPO tell us that this is not the case. However, due to changing is the way the National Grid charges for use of the electricity network, the non-commodity part of your electricity bill will be rising year-on-year, starting in 2022/23.

The current forecast for the flexible purchasing contracts for the period 1st April 2021-31st March 2022 compared to current rates are as follows:

Gas- 12-14% Reduction

Electricity- 0-2% Increase

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Heating

As you are probably aware, schools heating bills will be up this winter due to increased ventilation re Covid-19. Hopefully, more jumpers being worn by pupils and teachers will help with comfort but bills will reflect the increased heating.

Saving in the kitchen

Kitchens historically have high energy use. Most schools are now a lot more energy efficient, with the introduction of combination ovens, and steriliser units being replaced by efficient commercial dishwashers. Although kitchen staff have a good understanding of using energy in an efficient manner, they still haven't had any formal training. Neither do they have a kitchen energy efficiency plan in place that's reviewed regularly.

School kitchens now accommodate a lot more breakfast clubs which is an excellent initiative, but means kitchens are using energy from earlier in the day. Equipment such as hot cupboards, toasters and dishwashers are all energy hungry items, and if not used efficiently or switched off when no longer required, can cause unnecessary increase in energy use. A detailed instruction for each appliance should be issued and also shut down protocol needs to be followed. Formal H&S training should take place anyway but this could incorporate valuable information to operate commercial kitchen equipment in an efficient manner.

If you would like more information on how to run a more efficient kitchen then please contact Stephen Armstrong at

Stephen.Armstrong@northyorks.gov.uk .



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Power down Pete Presents

“Evil Dr Freeze and the Zombie Penguins”

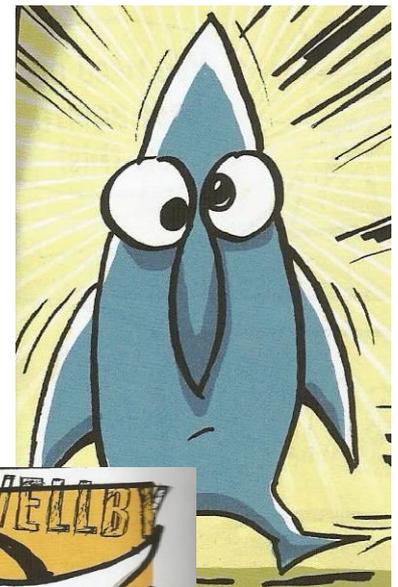
This brand new website has been designed to deliver the important messages we need to stay warm and well this winter.

In partnership with Community First Yorkshire, pupils can still access a range of activities from home or school which teach us all how we can stay warm and well this winter. Designed for all ages of children the “Cold Comic” is used as a concept to engage with the community on issues of fuel poverty and health.

With a range of activities for both key stage 1 and 2 you can help deliver the curriculum with an environmental twist. You can even download a whole comic and follow the adventures and Warmly and Wellby.

In these difficult times it is more vital than ever that pupils remain connected to learning that inspires them into taking action. Increasingly these issues are being faced by families who may need assistance and as such can complete a referral form downloadable from the website to connect with the Warm and Well team.

To access these resources please visit <http://coldcomicnorthyorks.org.uk/>



Educational solutions - a New Year's resolution

The case for man-made climate change is unequivocal. In November Scotland plays host to The United Nations Framework Convention on Climate Change a major meeting of world leaders to discuss the progress made from the Paris climate accord of 2016. At the Paris meeting, the world came together to set targets on the reduction of greenhouse gas emissions. Limiting global warming to well below 2°C and pursuing efforts to limit it to 1.5°C. It also aims to strengthen countries' ability to deal with the impacts of climate change and support them in their efforts.

As we have faced a year like no other it's becoming easier to realise that human beings are not above the laws of nature. As we increasingly encroach on the natural world, many believe we are on a path to disaster.

However we can see hope. Hope that stems from individual action and the galvanisation of young people, hope that stems from a changing political landscape in one of the world's largest emitters and hope that countries are now putting Environmental issues at the heart of their education systems.

However, we need everyone to help, as planet protecting solutions can come from everyone taking those small steps.

So what could be your planet protecting solutions? As educators we aim to prepare future generations with the knowledge skills and understanding they need to prosper in a changing world. Certainly, the future employment landscape will look different, as will be the workplace. However, we need to act in the here and now so those children grow up with planet protecting habits as the norm. I often use a photograph of nursery children wearing little badges saying "Energy monitors" as they stand on their tip toes reaching for the light switch. Yet there's so much more to running an environmentally aware school than simply switching off lights.

Eco schools www.eco-schools.org is the premier international scheme for environmental education. Run by keep Britain tidy it accredits Bronze, Silver and Green flag awards for environmental education. With topics of Biodiversity, Energy, Global Citizenship, Healthy living, Litter, Marine, School grounds, Transport, Waste and Water it covers many of the topics as school could come across. The scheme was founded in 1993 and encourages schools to work on a selection of topics with sharper focus on those that have a particular resonance within each school setting. The Green Flag award is particularly coveted with only a few schools in North Yorkshire reaching the required standard. Yet the award is a recognition of work likely already taking place in schools. With an Environmental twist, it impacts on all curriculum areas. Why not use energy readings from electricity meters as a mathematical data handling exercise. Then use them in ICT lessons to make graphs which leads to questions around fossil fuels, renewable energy and the geographical impacts of Climate Change.

It is a scheme that rewards schools putting Environmental issues at the heart of what they already do and it is a scheme that is supported by the Schools Carbon Reduction Officers in the energy and sustainability service.

So a new year's resolution is to start your planet protecting journey with registration at <https://www.eco-schools.org.uk/get-involved/register-my-school/>

And then contact me Peter.bell@northyorks.gov.uk to access a whole range of documents, advice and guidance to help you on your way.



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Power down Pete is online

With his new website, pupils can still access planet protecting activities from home and resources for teachers to use in classroom and home schooling lessons.

With a range of activities for both key stage 1 and 2 you can help deliver the curriculum with an environmental twist.

In these difficult times it is more vital than ever that Pupils remain connected to learning that inspires them into taking action.

With standalone lessons and activities to engage the inner eco warrior, this is all part of the service from the Energy and Sustainability Service.

To help your pupils understand the challenges facing the planet, please visit

<http://nyorks-eco.education/>



Display Energy Certificates (DECs)

'10 Yearly' DECs for Schools between 250m² and 999m²

In order to comply with the UK's Energy Performance of Public Buildings (EPBD) regulations, schools and other public bodies are required to display a valid DEC to support improvements to the energy performance of their buildings. Under these DEC regulations, which will continue post-BREXIT, all smaller schools between 250m² and 999m² will need to renew their DECs in the next few years. This is because the DECs that were originally issued for these smaller buildings are only valid for 10 years and most will all be expiring in the next few years.*

Schools that fall within these criteria may remember being visited by one of our DEC officers to provide the original '10 yearly' DECs. Part of the reason for these visits is that the officers have to complete an associated DEC Recommendations Report which provides information and suggestions on targeted improvements for energy efficiency improvements. Our DEC officers will therefore be making visits to each qualifying school in the next few years to ensure these reports adequately reflect the current energy saving opportunities for all affected school buildings.

Preparation for roll out of 10 yearly DECs

In order to keep all North Yorkshire schools compliant with the DEC regulations we are now planning a 3 year programme of rolling school DEC inspections starting from April 2021. Our records indicate that in each of the next three financial years ending 31/03/2024 over 60 buildings will need to be inspected – most of them being schools.

We have been working hard to collate these compliance visits to schools so that we can deliver this essential service in as timely and efficient manner as possible. Schools currently taking either our Primary or Secondary Packages will be prioritized for visits. However, we will also be pleased to offer this service to all other schools as best as we can.

Actions you need to take:

The schools that require updated 10 yearly DECs during the next financial year starting 1/4/2021 will have received an email from us. This explains the costs and that you can order via an item sitting in you NYES basket. Please undertake this purchase by 28/2/2021. Once this is done one of our DEC Officers will contact you to make all the arrangements necessary. Your earliest response would be particularly useful in light of the ongoing COVID-19 pandemic.

Once you have received your new DEC it will need to be displayed in the usual way at A3 size and in full colour so that members of the public can view them.

In the case of the Recommendation Reports, these do not need to be displayed, but you must keep them in a safe place for anyone to view should they be requested. These reports are intended to help you improve the energy efficiency of your buildings, for many schools the recommendations reports form the basis of planning for school improvements. Adopting such measures will mean that future DECs show an improved rating, e.g. moving from Band D to Band C.

Schools will also be able to use these updated DEC's as a key tool in efforts to support the government's ambitious carbon reduction targets. The UK government is looking increasingly to the public sector as a whole, including schools and councils, to reduce its carbon emissions to contribute to meeting its mandatory targets. These targets are intended to help make progress with the Paris Climate Accord seeking to prevent dangerous climate change by restricting the global temperature rise from man-made global warming.

Those schools taking Primary or Secondary Package with qualifying building over 1000 m2 will continue to receive their annual DEC's in the normal way.

Footnote

*The Energy Team will continue to monitor government regulations to ensure your compliance regardless of future changes.

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Display energy certificate (DEC)

Operational rating
B

Certificate number:

Valid until: 14 December 2021

Total useful floor area: 11659 square metres

Energy performance operational rating
The building's energy performance operational rating is based on its carbon dioxide (CO2) emissions for the last year.

It is given a score and an operational rating on a scale from A (lowest emissions) to G (highest emissions).

The typical score for a public building is 100. This typical score gives an operational rating of D.

Score	Operational rating	This building	Typical
0-25	A		
26-50	B	46 B	
51-75	C		
76-100	D		
101-125	E		100 --
126-150	F		
150+	G		

Previous operational ratings

Date	Operational rating
December 2020	46 B
December 2019	55 C
December 2018	53 C

Total carbon dioxide (CO2) emissions
This tells you how much carbon dioxide the building emits. It shows tonnes per year of CO2.

Date	Electricity	Heating	Renewables
December 2020	232	121	7
December 2019	304	113	20
December 2018	309	104	52

Assessment details

Assessor's name	Mr. Stephen Armstrong
Accreditation scheme	Elmhurst Energy Systems Ltd
Employer/Trading name	North Yorkshire County Council
Employer/Trading address	County Hall, 1 Racecourse Lane, Northallerton, DL7 8AD
Issue date	4 December 2020
Nominated date	15 December 2020
Assessor's declaration	Contractor to the occupier for EPBD services only.

This building's energy use

Energy use	Electricity	Other fuels
Annual energy use (kWh/m2/year)	36.15	53.66
Typical energy use (kWh/m2/year)	50.31	196.17
Energy from renewables	3.0%	0%

Let's Go Zero

The Let's Go Zero campaign, spearheaded by Ashden, a climate solutions charity, is urging schools to pledge to go zero carbon within a decade. St. Francis Xavier School has already declared its aim to become zero carbon by 2030 and is now one of 100 trailblazer schools who have signed up.

The campaign was launched in November at the Youth Climate Summit and will be driven by schools with support from a coalition of sustainability partners including Global Action Plan (organisers of the Youth Climate Summit), the WWF, the Fairtrade Foundation (Fairtrade Schools), EcoSchools, Sustrans (School Streets) and the Soil Association (Food for Life).

Signatory schools are working to cut carbon in seven key areas – energy, food, procurement, waste, water, travel and school grounds, as well as addressing the place of climate in the curriculum. Let's Go Zero aims to help schools learn from their peers, share best practice and connect with sources of support.

As always the Schools Carbon Reduction Officers are here with help, support and advice for schools in the Primary Package or as an ad hoc purchase from the service for secondary and primary schools.

Alex Green, Ashden's programme manager, has said '*We must get behind the incredible commitment by young people who are demanding action on climate. There are 32,000 schools in the UK and 10 million people walk through school gates every day. Working together we can create an amazing opportunity to take bold action to go green in schools and support our young climate ambassadors.*'

Ashden has seven years' experience supporting more than 500 schools to reduce their carbon footprint through its LESS CO2 mentoring programme.

To sign up to Let's Go Zero you must be the headteacher, a senior leader or a governor.

Visit [https://imsva91-](https://imsva91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.letsgozero.org&umid=95D76869-B5F2-4205-B41B-901F055EF17D&auth=de41389fcd07b045c2bf0b8b6a6bb2cde097bfb7-346cfefa3bab5403135125ddd245b0068bf79552)

[ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.letsgozero.org&umid=95D76869-B5F2-4205-B41B-901F055EF17D&auth=de41389fcd07b045c2bf0b8b6a6bb2cde097bfb7-346cfefa3bab5403135125ddd245b0068bf79552](https://imsva91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.letsgozero.org&umid=95D76869-B5F2-4205-B41B-901F055EF17D&auth=de41389fcd07b045c2bf0b8b6a6bb2cde097bfb7-346cfefa3bab5403135125ddd245b0068bf79552) or follow the campaign @LetsGo_Zero.

You can also watch the one-minute campaign promotion video on YouTube: [https://imsva91-](https://imsva91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fyoutu.be%2fdAVPqzTafZI&umid=95D76869-B5F2-4205-B41B-901F055EF17D&auth=de41389fcd07b045c2bf0b8b6a6bb2cde097bfb7-30e771dbb9c6693337d1eb6ead206f94801d3100)

[ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fyoutu.be%2fdAVPqzTafZI&umid=95D76869-B5F2-4205-B41B-](https://imsva91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fyoutu.be%2fdAVPqzTafZI&umid=95D76869-B5F2-4205-B41B-901F055EF17D&auth=de41389fcd07b045c2bf0b8b6a6bb2cde097bfb7-30e771dbb9c6693337d1eb6ead206f94801d3100)

[901F055EF17D&auth=de41389fcd07b045c2bf0b8b6a6bb2cde097bfb7-30e771dbb9c6693337d1eb6ead206f94801d3100](https://imsva91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=https%3a%2f%2fyoutu.be%2fdAVPqzTafZI&umid=95D76869-B5F2-4205-B41B-901F055EF17D&auth=de41389fcd07b045c2bf0b8b6a6bb2cde097bfb7-30e771dbb9c6693337d1eb6ead206f94801d3100)

**Let's Go Zero
unites UK
schools
working to be
zero carbon by
2030.**

That's a huge
challenge – but
transforming our
schools will help
safeguard the planet
for future generations.



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OFFICIAL

Healthy Schools award online training: Spring Term 2021

Overview

Take part in an interactive online training session to begin working on your Healthy Schools award or to develop your work further if you are already taking part. Please choose the session title and date most relevant to you. Staff from the Healthy Schools award team will be delivering the training and on hand to answer any questions you may have about working on the scheme. Please register with the scheme before attending training at www.healthyschools.org

The Healthy Schools scheme is funded by Public Health to enable all North Yorkshire schools to take part for free, Private and out of County schools can join for a charge. The online training is free for all North Yorkshire schools, including academies, special and secondary schools. Private or out of County schools can access the training if they are signed up to the scheme.

Booking

To apply for any of the training below please go to North Yorkshire Education Services (NYES) <http://www.nyestraining.co.uk> If you are a school or educational setting your school will have been issued with a username and password, which will enable your school to log in and apply for training. If you have any questions or need help using the site call the NYES team on 01609 533 222. Or email nyes@northyorks.gov.uk

Please note a link to access the training will be emailed to you nearer the time.

DATE	SESSION TIME	COURSE TITLE	NYES COURSE CODE
26/1/21	1:30-3:30pm	Focus on the Active Lives Theme of the Healthy Schools Award. This session will be delivered with along with our project partners from North Yorkshire Sport, to offer support and best practice guidance around this theme.	SI-0121-T032
03/2/21	1:30-3:30pm	Focus on the Food in Schools Theme of the Healthy Schools Award. Please note this course is repeated from a session run in the Autumn term 2020. It will be delivered along with our project partners from NYCC Catering School Meals to support work on this theme including developing a whole school food policy.	SI-0221-T026
08/2/21	1:30-3:30pm	Achieve a Silver Healthy Schools award <i>(aimed at schools who have already achieved a bronze award)</i>	SI-0221-T043
10/2/21	1:30-3:30pm	Achieve a Gold Healthy Schools award <i>(aimed at schools who have already achieved a bronze or silver award)</i>	SI-0221-T044
04/3/21	1.30-2.30pm	Getting ready to submit for a Healthy Schools Award	SI-0321-T013
08/3/21	1.30-2.30pm	Getting started with Healthy Schools	SI-0321-T014

For general queries about the training, please email: healthyschools@northyorks.gov.uk

Please register with the scheme before attending the training:
www.healthyschoolsnorthyorks.org