



Out on the Devils Dyke reviewing the visual impact of the project

March 2020, we find ourselves in the middle of a war-time effort against COVID-19. Swaffham Prior has taken action, showing the Village's true colours as a vibrant, caring, community. Following further government announcements the pub has closed but now opens as an 'at-cost' shop and is taking requests (opening times at the time of writing daily 12noon – 3pm) and is doing takeaway most evenings (call to order 01638 745483). Jonathan Cook the master miller at Fosters Mill is opening for flour and oat sales (see the Village Facebook page for hours), household buddy systems are being established, and a village WhatsApp group is now live. The Cambridge Fruit Company have also changed delivery areas to provide fruit and vegetable boxes delivered direct to your door (www.cambridgefruitcompany.com).

Whilst we deal with the most unanticipated event of the era, we must also continue daily life, and consider what the future of the village looks like. Forming community networks has never been more important, our current situation only reinforces the fact that we need each other and must look to supporting our community in new ways, through neighbourhood interaction, how we shop, spend our time and money.

Many of you have already recognised how the community

heating network can help us achieve local, stable heating for the village. We have also made recent innovations in the community heating network design, so that this system is not reliant upon the electrical grid, gas, or oil supplies. It is now 100% renewable. The project has been locally and nationally recognised as 'one to watch', featuring on the BBC and local newspapers; we are receiving almost weekly interest in the project from other villages in Cambridgeshire and throughout the UK. Janet (Project Community Engagement) recently represented the project at South Cambridgeshire's Zero Carbon Communities Workshop, a new initiative set-up by the council to help more local community groups realise projects like this. The project team has also been contacted by individuals hoping to buy a home in the village, who were very interested in the scheme.

Heating Swaffham Prior is a project for the whole Village's benefit, providing resilience for the future and putting an end to the nuisance of organising oil deliveries, which many residents are aware has been especially difficult in recent weeks.

If you have questions about the project, now is the time to ask, see details on the back page!
Swaffham Prior Community Land Trust

Progress Update

March 2020



Newsletter Launch

Heating Swaffham Prior have launched a project newsletter to provide you with information on how the community heating network is progressing. Over the next few months the project was due to host a series of Community Stakeholder meetings for those interested in joining the network. Unfortunately, COVID-19 has made this impossible, and we will be developing alternative communication methods to deliver the project safely, protecting all Villagers. Where possible we will email communications – but understand that email isn't for everyone and want to emphasise phone availability at this time. **Please forward your email address / phone number to Janet (see details on back page) to ensure that you receive all messages about the project.** This will be really important as we now reaching planning, contracts and construction stages of the project.

Parents...

Working and looking after children is really difficult, to help you out we plan to launch a series of weekly activities supporting fun and learning in your home. **Please complete the mailing list form to receive these resources for free.**

A General Update

The Heating Swaffham Prior team are pleased to confirm that Heat Network Delivery Unit (HNDU) and County Council match funding has been received to progress the planning application for the Community Heating Network. The application is due to be submitted Spring/Summer dependent on when archaeology and other survey work is completed. With only 12 short months until the first homes are to be connected to the network, intense activity is underway to bring the planning application together as efficiently as possible.

Things are generally running to the programme, and the target is for the first households to be connected to by March 2021. There are a number of milestones yet to be achieved including; planning consent and the securing of funding for the next two stages of work (post-planning). These milestones will be determined by the end of October 2020. We are also asking for more data on your current energy bills, installing sensors to measure air quality in the village, and bringing back legal advisors, Sharpe Pritchard, Steve and Ros, to the village to discuss contracts.

Planning

Prospus have hit the ground running and will be leading a pre-application planning meeting with Cambridgeshire County Council soon, to discuss the planning application and surveys required. Below is an overview of the planning strategy for the project;

- A single planning application to Cambridgeshire County Council will be made for the;
 - Energy Centre, located on Heath Road
 - Heating Network, the proposed network plan is still in development
 - Connections to individual homes, including those that are Listed and homes within the conservation area
- Conservation area houses are included within this planning application, how to connect these homes will be considered through Typology Workshops and by working with the future contractors, who are yet to be appointed.
- Surveys to be delivered include EIA screening, Geo-physical, Archaeology, Topographic study and Visual Impact Assessment
- We expect to make this planning application in June 2020, and to receive a response from the Cambridgeshire County Council by end of October 2020.

Fibre Broadband

The project team has been working with Light Blue Fibre, a collaboration between the University of Cambridge and Cambridgeshire County Council set up to deliver high-speed internet in the region. The plan is to lay fibre connections at the same time as the heat network pipes providing high-speed internet to homes signed up to the project, ‘future-proofing’ the village, so that Swaffham Prior doesn’t get left behind in the world of modern communications.

Some households have already told us that they want to see ‘fibre’ in Swaffham Prior, if you haven’t already please do let us know.

Pollution Monitoring

Understanding and measuring the long-term benefits of the renewable energy heat network in the village is an important aspect of the project. Over the next few weeks pollution monitoring apparatus will be installed in the village to measure existing levels of Carbon Dioxide and Nitric Oxide. Measurements will be taken from May 2020 for two years at least, we may extend this research in the future.

Designing the Network

The final network design is under development, so now is the time to decide if you wish to join the network. The more homes that join network, the easier it is to link homes together, as we will not have to ‘skip’ any.

Inefficient Network Design



Efficient Network Design



Diagrams for illustrative purposes only, and do not reflect the actual network design!

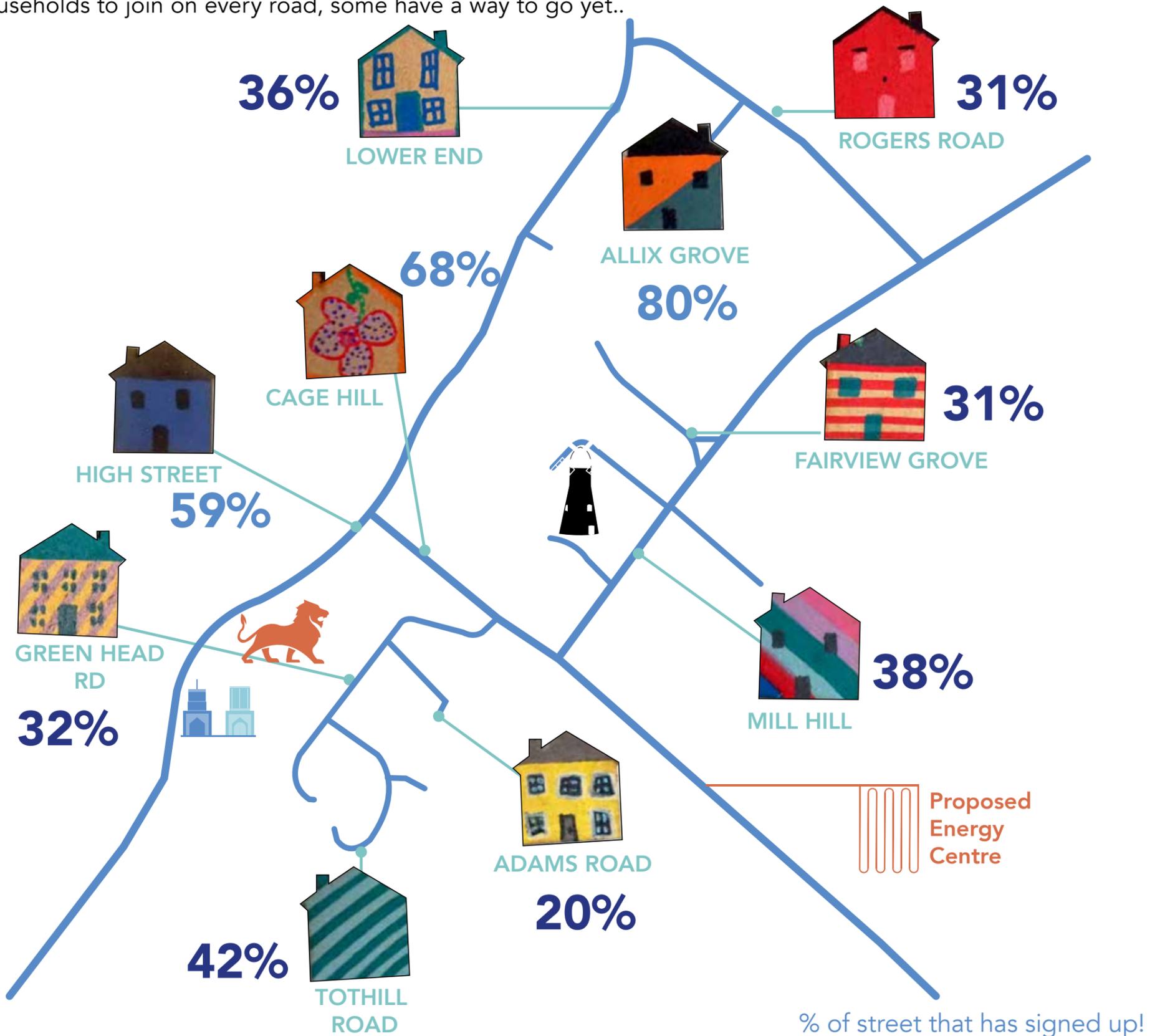
There are four core things that need to consider when designing the network;

- The many level changes in the village
- A number of protected trees
- Not all houses have signed up to the network
- The number of houses and predicted amount of heat required

Street by Street

Who wants to join the network?

The diagram below shows how many households plan to join the heating network. Whilst we have exceeded our overall target of 150 households, to make the scheme more efficient our aim is to achieve at least 50% of households to join on every road, some have a way to go yet..



It is not too late to express your interest in joining the Heating Swaffham Prior network! We have achieved the minimum numbers required to develop the network but there are lots of advantages to joining up for your household, the network and local community as a whole.

Contact Janet at: info@heatingsawffhamprior.co.uk or 07525 943420

info@heatingsawffhamprior.co.uk / 07525 943420



Your Home

Healthier Heating

the new system does not produce carbon dioxide or nitrous oxide that pollute the air and damage health.

Predictable Pricing

Renewable heating offers more predictable prices for heating your home than oil. Payment will be based on what energy you use.

Maintenance Costs Included

Your home will be fitted with a 'Heat Interface Unit', this will remain property of the network, be maintained and upgraded as required on your behalf.

Future Proofing

Sustainable technologies are the future, they will protect the continued functions of your home and make it more attractive to future generations.



Community

The More, The Merrier

The more households that join the network, will make the project more cost-effective and long-term price of heating cheaper.

Speed of Delivery

Project delivery will be quicker and easier to deliver if everyone on your street joins up!

Communication Action for Climate Change

It is not often we get to make a 'big change' for Climate, this project will reduce carbon in Swaffham Prior by over 30,000 tonnes by 2050.

Community Investment

As a Community Project, investing money into local village assets can be considered through the contract design stage. The project also supports heat equality, helping those with greatest need access more affordable heat.

End oil deliveries!

166 Households are interested in joining ARE YOU?

Mailing List

For Children's Activities, Planning and Construction Updates

Please complete and return. Over the next few weeks we will need to contact the whole village about the planning application, project status and construction period.

Name

Address

Postcode

Phone

Email

Do you consent to the GDPR notice? Yes

Do you have the capability to join on online workshop? No Yes

Would you like to receive activities for children posted through the door? (Please tell us number of children, and ages)

GDPR Notice

The Heating Swaffham Prior Project team is comprised of representatives from Swaffham Prior Community Land Trust, Cambridgeshire County Council, Carbon Smart and Bouygues, and Community Engagement consultant, Janet Hall.

To support the delivery of the Heating Swaffham Prior project, the project team may collect personal details, including;

- Name and contact details – to provide communications on the Heating Swaffham Prior Project
- Personal spending information – on energy bills
- Attendance at meetings – to ensure outreach and consistent communication with the community
- Safeguarding information – to establish whether a guardian / third party presence is required
- Any personal details collected through the Heating Swaffham Prior project will be retained securely by the project team only until six months after project completion (Approximately Sept 2021). No personal data will be shared with third parties.

You have the right to request access to the personal data held by the Heating Swaffham Prior project team. You also have the right to amend information held, request deletion or removal, to restrict processing, and object to processing such as direct marketing or statistical or research use.

Your Heating Information

Note: If you have already completed a full household survey, this information is not required.

1. Boiler Brand

2. Boiler Model

3. Estimated Age

4. What type of fuel do you use for...

Heating Oil Electricity Other

Hot Water Oil Electricity Other

5. Do you have a water cylinder?

Yes No

6. If you heat your home or water using **oil**, please share the costs amount of oil and costs from Mar 18 - Mar 2019.

1| **Date** **Amount** litres **Cost** £

2| **Date** **Amount** litres **Cost** £

3| **Date** **Amount** litres **Cost** £

4| **Date** **Amount** litres **Cost** £

5| **Date** **Amount** litres **Cost** £

7. If you heat your home or water using **electricity**, please share the costs of bills from Mar 18 - Mar 2019.

January £ **July** £

February £ **August** £

March £ **September** £

April £ **October** £

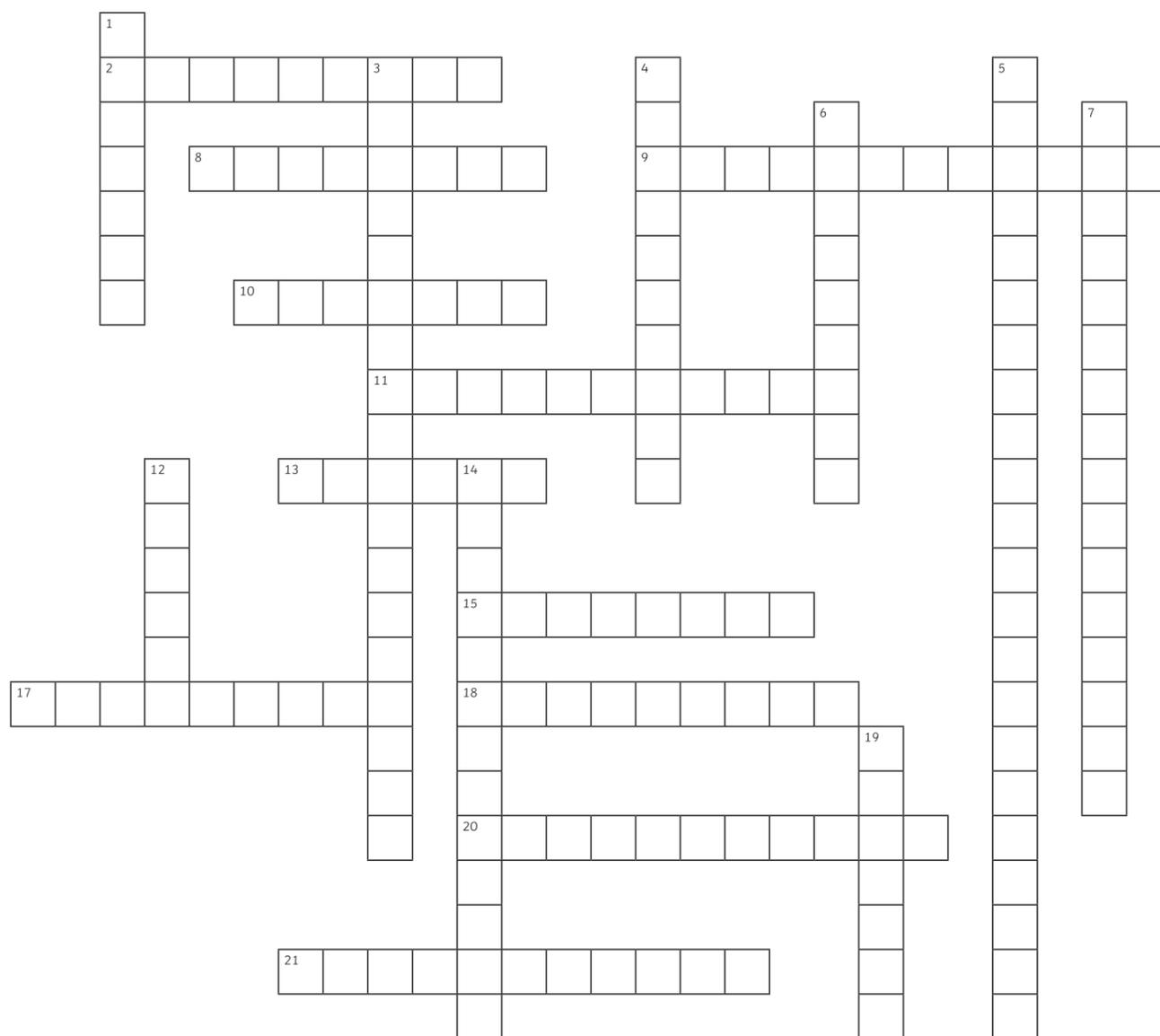
May £ **November** £

June £ **December** £

Please return your entry by email or phone using the details below by Monday 6th April. This form is also available at www.heatingswaffhamprior.co.uk.

info@heatingswaffhamprior.co.uk / 07525 943420

Prizes awarded to all children who enter (please enter guardian names on mailing list overleaf to submit)



- Thermal
- Non-Renewable
- Electricity
- Magnetic
- Kinetic
- Chemical
- Electrostatic
- Created
- Destroyed
- Transferred
- Joules
- Thermal Equilibrium
- Conduction
- Radiation
- Conductor
- Insulator
- Fossil Fuels
- Gravitational Pull

Across

- 2. A material that slows down the rate of energy transfer (9)
- 8. Store of energy in magnets that attract or repel on another (8)
- 9. Type of energy resources that will eventually run out (3,9)
- 10. Energy cannot be _____ (7)
- 11. Energy resources are used to generate _____ (10)
- 13. Unit of measurement of energy (6)
- 15. Store of energy release by a chemical reaction (8)
- 17. A material that transfers energy quickly (9)
- 18. Heat transfer by invisible waves (9)
- 20. Energy can only by _____ (11)
- 21. Coal, oil and gas are all _____, _____ (6,5)

Down

- 1. Store of energy in moving objects (7)
- 3. Energy transfer from hot to cold objects until they are both at the same temperature (7,11)
- 4. Heat transfer by vibrating particles passing on extra energy to the next particles when they bump into on e another (10)
- 5. Store of energy in objects that can fall (13,9)
- 6. Also, energy cannot be _____ (9)
- 7. Store of energy in a stretched object (7,9)
- 12. Total energy input = the useful energy + the _____ energy (6)
- 14. Store of energy in electric charges that attract or repel on another (13)
- 19. Store of heat energy (7)

A NOTE TO PARENTS

This crossword was sourced from Twinkl an online learning resource centre for teachers (KS1 - KS3). They have made resources available to the public for this month in response to COVID-19. Access code: CVDTWINKLHELPS web: www.twinkl.co.uk

RETURN

Please return your entry by photographing and emailing to the details below, by Monday 6th April, you can also let us know if you would like to receive a weekly activity booklet for free!

Next Steps

The format of the planned workshops is currently under development, we will take online, paper, and small workshops into consideration. Let us know what would work for you on the attached form.

Contracts Workshops

Mid May

The workshop will discuss how the contracts between households and the network will be set-up.

Planning Consultation

May

The consultation will share information on the final network plan, an outline design of the energy centre, and the key findings from surveys.

Planning Submission – June

Typology Workshops

Mid June

The workshop will discuss how different types of houses will be connected to the network.

Planning Result – October

Official Sign-Up - October

Project Team

BouyguesES Ltd – Miles Messenger and his team continue with the design of the energy centre and network

Cambridgeshire County Council – energy investment unit and rural estates team working in the background to help facilitate the project

Swaffham Prior Community Land Trust – Emma, Mike and David are looking after the interests of the village

BEIS HNDU – advising the project is Hen Cooke

Sharpe Pritchard, legal team, are beginning legal and contractual work

Prospus, planning consultants, are leading the surveys and planning application

Avieco project management, Avieco is the re-branding of Carbon Smart, Helen Troup continues to lead the project management.

3 Things to do...

1

Express your interest in joining the heating and fibre broadband network via the project website, or using the contact details below

2

Join the project **mailing list**, please share even if you have supplied details before and do this to receive children's activities

3

Complete the **heating information** request form online, by email, or phone

Contact Details

Email: info@heatingswaffhamprior.co.uk

Web: www.heatingswaffhamprior.co.uk

Phone: 07525 943420 (12pm - 7pm, Mon - Fri)

Janet

