



ADUR & WORTHING
COUNCILS

1 February 2021

| Joint Strategic Committee | |
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| Date: | 9 February 2021 |
| Time: | 6.30 pm |
| Venue: | Remote Meeting via Zoom |

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| <p>Committee Membership:</p> <p>Adur District Council: Councillors; Neil Parkin (Adur Leader), Angus Dunn (Adur Deputy Leader), Carson Albury, Brian Boggis, Kevin Boram, Emma Evans and David Simmons</p> <p>Worthing Borough Council: Councillors; Daniel Humphreys (Worthing Leader), Kevin Jenkins (Worthing Deputy Leader), Edward Crouch, Heather Mercer, Elizabeth Sparkes and Val Turner</p> |
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Agenda

Part A

- a) Item 8 - Appendices (Pages 1 - 10)

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| For Democratic Services enquiries relating to this meeting please contact: | For Legal Services enquiries relating to this meeting please contact: |
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APPENDIX 1 Summary of Projects Funded by the Public Sector Decarbonisation Scheme and Low Carbon Skills Fund

| SUCCESSFUL BIDS - CAPITAL PROJECTS (Public Sector Decarbonisation Scheme) | | | | |
|----------------------------------------------------------------------------------|----------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| | Site | Projected Cost | Description | Carbon Saving |
| AH | Shadwells Court | £900,000 £34,900 £42,500 | Installation of a Ground Source Heat Pump array, to replace existing aged gas boilers and provide of space heating and domestic hot water to tenanted flats Replacement of aged distribution pipework, radiators and control mechanisms Installation of Cavity Wall Insulation Installation of solar PV array | 110 tonnes/year |
| AH | Marsh House | £707,000 £12,750 | Installation of an Air Source Heat Pump system and new gas-fired backup boiler to replace existing aged gas boilers and provide space heating and hot water to building Installation of a solar PV array | 65 tonnes/year |
| ADC | Shoreham Centre | £415,000 | Installation of an Air Source Heat Pump to run in parallel with existing gas-boilers | 25 tonnes/year |
| WBC | Worthing Town Hall | £25,250 £38,200 | Installation of solar PV array Installation of secondary glazing to all viable windows on ground and first floor | 16 tonnes/year |
| WBC | Assembly Hall | £25,250 | Installation of solar PV array | 2 tonnes/year |
| WBC | Goring Recreation Ground | £15,150 | Installation of solar PV array | 2 tonnes/year |
| ADC | Eastbrook Manor Community Centre | £8,500 | Installation of solar PV array | 1 tonne/year |

| | | | | |
|--------------------------------------------------------------------|----------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| ADC | Commerce Way Depot | £42,500 | Installation of solar PV array | 3 tonnes/year |
| SUCCESSFUL BIDS - REVENUE PROJECTS (Low Carbon Skills Fund) | | | | |
| WBC | Worthing Civic Quarter Buildings | £24,800 | Feasibility study to explore energy efficiency measures at Worthing Town Hall, Assembly Hall, Portland House and Museum. This was completed in January 2021 and formed the basis of an additional bid to the Public Sector Decarbonisation Scheme. | n/a |
| ADC | Shoreham Centre | £10,000 | Feasibility study to explore technical and economic viability of additional rooftop solar PV at the Shoreham Centre and/or a 'solar carport'. This was completed in January 2021, however further funding will need to be sought for the scheme to become financially viable. | n/a |
| WBC | Worthing Crematorium | £8,450 | Feasibility study to explore the installation of an electric cremator(s) at the crematorium. This study is ongoing. | n/a |

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|--------------------------------------------|----------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| OUTSTANDING BIDS - CAPITAL PROJECTS | | | | |
| WBC | Splashpoint | £250,000 | Replacement of failed Ground Source Heat Pump (GSHP) and temporary chiller units with new GSHP | 56 tonnes/year |
| WBC | Worthing Civic Quarter Buildings | £485,336 | Multiple non-intrusive energy efficiency measures across Worthing Town Hall, Assembly Hall and Portland House. E.g. pipework insulation, Building Management System upgrades and secondary glazing Heat metering Installation of triple glazing at Portland House | 63 tonnes/year |

OUTSTANDING BIDS - REVENUE PROJECTS

| | | | | |
|-----|--------------------------------|----------|----------------------------------------------------------------------|-----|
| ADC | n/a | £215,000 | External Project Management Support for funding bid already approved | n/a |
| WBC | Former Landfill site, Worthing | £40,000 | Feasibility study for solar farm at a WBC-owned former landfill site | n/a |

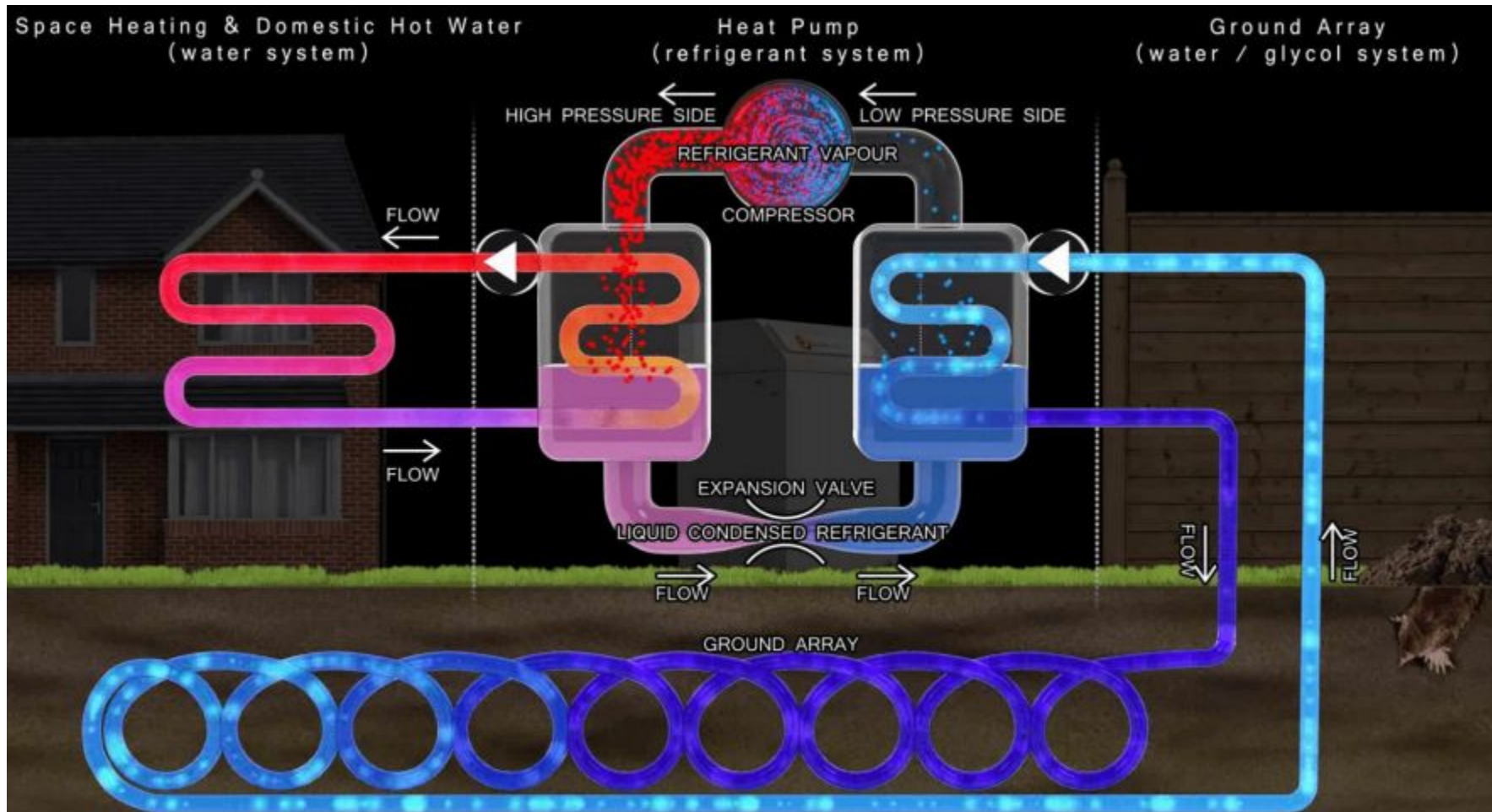
APPENDIX 2 - CARBON REDUCTION PROJECT PIPELINE

| Site | Potential Project | Stage | Carbon reduction potential | Feasibility funding secured? |
|-----------------------------------|-----------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------|
| Worthing Town Hall | Energy Efficiency & Renewable Energy measures | Feasibility complete | 15 tonnes/year | Not needed |
| Assembly Hall | Energy Efficiency & Renewable Energy measures | Feasibility complete | 23 tonnes/year | Not needed |
| Worthing Museum | Energy Efficiency & Renewable Energy measures | Feasibility complete | To be confirmed | Not needed |
| Portland House | Energy Efficiency & Renewable Energy measures | Feasibility complete | 10 tonnes/year | Not needed |
| Former landfill site | Solar farm | Pre-feasibility | 589 tonnes/year | No - provisional WBC revenue budget for 2021/22 |
| Worthing Town Centre Heat Network | District Heat Network utilising waste heat from sewer system | Detailed Project Development | Up to 85% of heating emissions for all connected buildings in town centre | Application submitted to Heat Network Development Unit December 2020 |
| Worthing Crematorium | Replacement of gas-fired cremator(s) with electric alternatives | Feasibility in progress | To be confirmed | Yes - Low Carbon Skills Fund |

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|------------------------|-------------------|-------------------------|----------------------|------------------------------|
| Various | Solar PV installs | Pre-feasibility | To be confirmed | Not needed |
| Shoreham Centre | Solar carport | Feasibility in progress | Up to 46 tonnes/year | Yes - Low Carbon Skills Fund |
| Multi-storey car parks | Solar carport | Pre-feasibility | To be confirmed | No |
| Decoy farm | Multiple options | Pre-feasibility | To be confirmed | No |

APPENDIX 3 - HOW A HEAT PUMP WORKS

The below diagram demonstrates how a ground source heat pump system works. An air source system works in the same way, with the exception that the heat is extracted from the air, rather than the ground array shown below.



The people who live in the cities, towns and villages we serve deserve warm homes, secure and affordable energy, clean air and water, and local and seasonal food. They deserve access to thriving nature and healthy landscapes, and to live in a place they can be proud of.

As local leaders across the UK, we see the challenges our communities face. We recognise our responsibility to tackle the climate emergency and protect our environment to secure the future for them and for people around the world.

In 2019, the UK Parliament passed legislation to bring all greenhouse gas emissions to Net Zero by 2050. This was to keep in line with international commitment in the Paris Agreement to limit global warming to 1.5 degrees. But science tells us we need to start now and make rapid reductions much sooner.

We will do everything within our power and influence to rapidly reduce our greenhouse gas emissions. We will bring our council emissions to Net Zero by 2030 and we will work with our residents and businesses to bring our wider communities' emissions in line with Net Zero as soon as possible (and by 2045* at the latest).*

We will continue to lead the UK's response to Net Zero, going ahead of the government goal and taking the first steps with urgency. We will make substantial progress within the next decade to deliver Net Zero. With greater powers, we would go further, faster.

We will be bold and brave, carrying out strong climate action now and building prosperous, secure and more resilient communities that are healthier, cleaner and safer, in ways that follow the science and are practical and achievable.

We pledge to assess our largest impacts on climate change, prioritise where action needs to be taken and measure and monitor progress towards targets. We will reduce our emissions at source and limit the use of carbon offsets as part of the global effort to avoid the worst impacts of climate change.

As local leaders, we are uniquely placed to help tackle the climate emergency. We are closer to the people who live and work in our communities, so we have a better understanding of their needs. This means we can collaborate with them to build consensus for the solutions we need to transition to a Net Zero society that delivers multiple benefits and is fair, just and works for everyone.

We have come together from local authorities across the UK to share knowledge and collaborate with each other, with businesses and our residents to deliver action now. And we will also use our experience of our ability and achievements to advocate to the UK government in order to accelerate the transition to a Net Zero society.

As a nation, we have demonstrated throughout our history that we are able and willing to lead on finding solutions to the challenges the world faces. The success and prosperity of our nation has largely rested on our ability to harness the power of dirty fossil fuels. It is now our shared responsibility to turn this ingenuity to solving the climate emergency in a way that has a positive impact on our communities. We need to ensure our future is better than our past.