

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

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

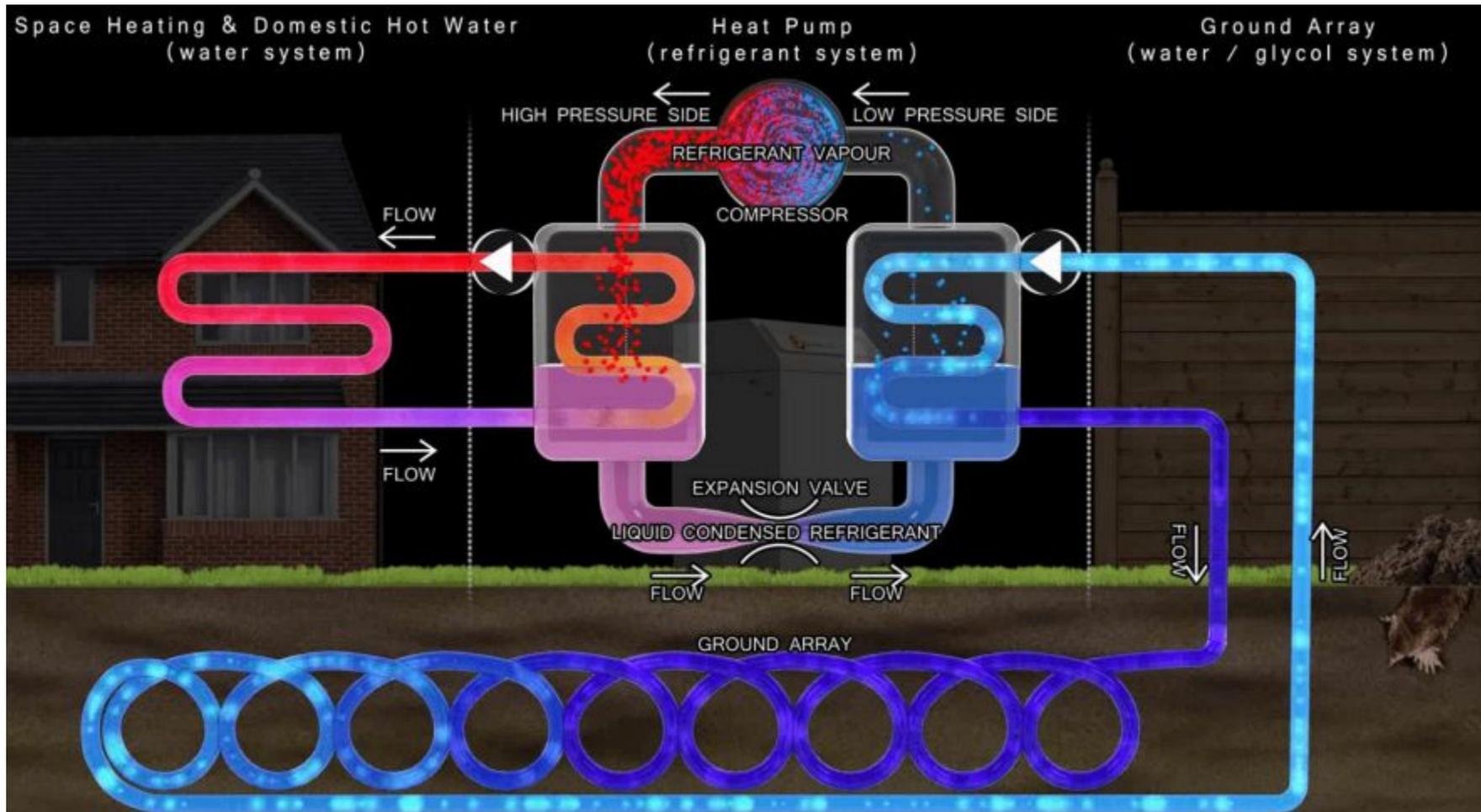
APPENDIX 2 - CARBON REDUCTION PROJECT PIPELINE

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

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.



APPENDIX 4 - UK100 Membership Pledge January 2021

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.