

# Energy Strategy – Progress update

**Steve Read**

Assistant Director (Environment and Public Protection)

23 January 2023



# Energy Strategy Contents



## Priorities

- Sustainable Energy Projects
- Reduce our emissions
- Develop social value
- Improve local resilience
- Generate savings/income

## Enablers

- Collaboration
- Data Management
- Innovation
- Green Energy Skills
- Future Energy Transition Hub

# Priority 1: Sustainable Energy Projects

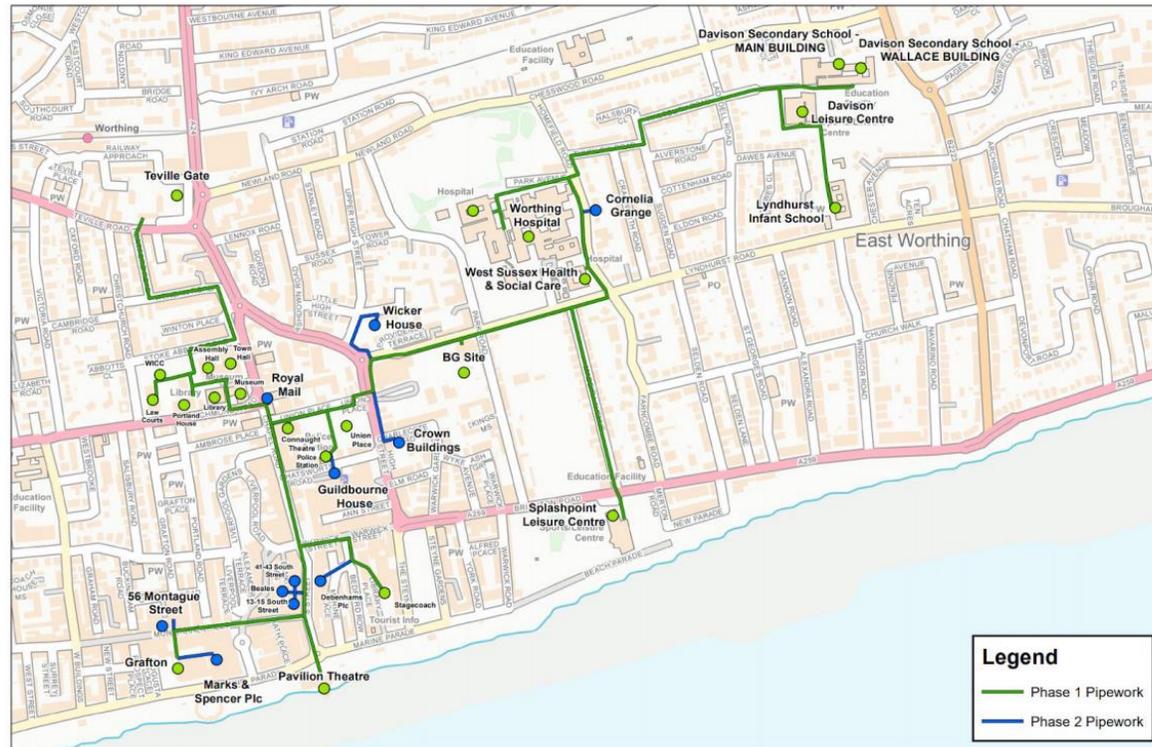


# Priority 2: Reduce our emissions

## Main Building

Energy saving opportunity	Relevance	Total Cost	Energy Reduction %	Estimated Annual Energy Saving	Carbon Impact
Cavity wall insulation £35/m <sup>2</sup>	Relevant	£37,068.03	5%	£62.44	Low
Solid wall insulation £100/m <sup>2</sup>	N/A		10%		High
Suspended Ceiling pad insulation £18/m <sup>2</sup>	N/A		9%		Low
Flat roof insulation £180/m <sup>2</sup>	N/A		5%		Low
Flat roof replacement £250/m <sup>2</sup>	N/A		11%		Medium
Pitched roof replacement (including tiles and new insulation)	N/A		11%		Medium
Pitched roof, new insulation at joists	N/A		12%		Medium
Pitched roof, new insulation at rafters	N/A		11%		Medium
Double Glazed Windows & Doors	N/A		13%		Medium
Thermostatic Radiator Valves	N/A		11%		Medium
Heat emitter replacement £110/m <sup>2</sup>	Relevant	£124,552.49	5%	£65.04	Low
Lighting upgrade	Relevant	£56,048.62	10%	£405.17	Medium

- Lighting con
- Improve air
- Improve me
- Boiler to High
- Boiler to Bio
- Direct Electr
- Storage Hea
- PV Panels
- Solar Therm.



**ADEPT** **LIVELABS2**  
Decarbonising Local Roads

# Priority 3: Develop Social Value





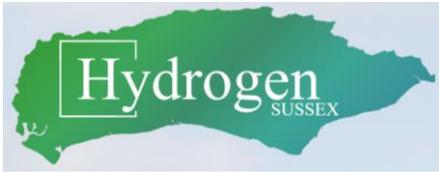
# Priority 5: Generate savings/income



Income generation (2021/22 relative to 2020/21)



# Our Enablers

- Collaboration 
- Data Management 
- Innovation   
- Green Energy Skills  
- Future Energy Transition Hub: To be developed in 2024/25



# Summary



- Progress being made on both priorities and enablers
- Pace of progress being constrained by limitations of local electricity grid
- Benefits already realised include county council's finances insulated from energy price shocks
- Focus on sharing learning and partnering with local, regional & national organisations for specific goals