

The Net Zero Carbon Action Plan flows from the indicative Net Zero pathways. This describes a number of interventions required for Hart to meet its 2040 district-wide and 2035 operational Net Zero target. Delivering each decarbonisation intervention requires one or more action to be taken. These actions may need to be taken by different stakeholders and some will be reliant on other actions having already been completed. The actions that follow focus on those that the Council can take.

The actions are described in the following tabs, grouped together by emission sector and then the intervention they will help deliver. Priority actions are indicated. Net zero action cannot be achieved through Council action alone, however. Action by others will be required for Hart to meet its Net Zero targets and this will require HDC to take additional actions to influence other stakeholders.

## Plan Elements

The plan includes several elements, which are summarised here:

### A timeline for action, provided in three categories:

- Short term (less than 5 years)
- Medium term (5-8 years)
- Long term (8 years onwards)

### Key players for each action, including:

- Potential action owner
- Other relevant stakeholders

### Indicative costs, provided in three categories:

- £ (Low <£10,000)
- ££ (Medium £10,000-100,000)
- £££ (High >£100,000)

Emission Section	Intervention	Reference Number	Action	Description	Priority Action (Yes/No)	Key Players	Timescale	Indicative Costs
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.1	Carry out a comparative assessment of moving to new office premises	Uncertainty regarding the longevity of HDC's current office premises is causing inaction, as HDC does not want to invest in improving property it will not reap the benefits of. A comparative assessment of the financial and climate impacts, including the embodied and ongoing GHG emissions, of moving to a new site vs. decarbonising the existing site should be commissioned in the first instance. This should commence after September 2022 once the new tenants are residing in the property so the building is at its 'normal' occupancy before energy consumption is evaluated.	Yes	Business Support, Facilities & Data Manager	Short term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.2	Revision of energy audit of HDC operational buildings (civic offices and workshop)	An energy audit of HDC's operational buildings has already been carried out but lacks sufficient detail to create a plan identifying potential energy saving with associated costs and timeframe to implement and estimated payback. Revision of the report will give more detail of energy efficiency measures.	Yes	Sustainability Officer	Short term	£-££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.3	Implement energy efficiency measures, including those identified in audit, across HDC's operational buildings	HDC has already identified some priority areas for improvement, i.e. upgrading lighting at Frogmore leisure centre. HDC should initiate these actions, or work with partners where appropriate to do so. Following receipt of the revised energy audit of HDC's operational buildings, develop a timeline and begin implementing energy efficiency measures. These are likely to include, but are not limited to, draught proofing, double glazing, and floor, roof, and wall insulation.	No	Business Support, Facilities & Data Manager	Medium – long term	££-£££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.4	Develop overall heating strategy for operational buildings	In order to decarbonise HDC's buildings by 2035 (and considering the outcome of action BE.1.1, a dedicated buildings strategy should be commissioned. This will assess each of the buildings in HDC's operational boundary and present a bespoke series of solutions for decarbonising. This can be applied in conjunction with, for example, the upcoming adaptation action plan and should use findings of energy audits.	Yes	Sustainability Officer	Medium term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.5	Roll out staff training initiatives to improve energy efficiency across operational buildings	Behaviour change across staff is key for reducing heating and electricity demand. HDC should roll out a series of staff training sessions to communicate to staff how their own behaviour can assist in reducing energy use.	No	Communications and Media Manager	Medium term	£
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.6	Develop internal targets with regards to energy consumption reduction in operational buildings	As part of the building strategy, using internal resource, HDC should develop a set of key performance indicators across operational buildings measuring energy performance against reduction targets.	No	Sustainability Officer	Short term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.7	Review and revise internal maintenance and repair policies to limit future reliance on fossil fuels in operational buildings	Develop a policy that prevents, in particular, the installation/replacement of new gas boilers. This policy should also ensure repairs favour low-carbon replacements e.g. upgrading glazing.	Yes	Matt Saunders - HDC	Short term	£
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.8	Convert car park lighting to LED	Progress fully costed report for a programme of LED lighting replacement in car parks. Make recommendations to Climate Change Working Group. This action is already in train.	No	Contracts and Procurement Manager	Ongoing	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.9	Review pace of LED lighting installation	Currently, lighting in car parks is being replaced with LED as existing lighting breaks. In civic offices, LED lighting and sensors have been installed in high use areas and meeting rooms. A review of whether this pace of rollout will meet HDC's 2035 target is necessary. If indicated, implementing installation at a faster pace may be required.	No	Contracts and Procurement Manager	Medium term	£

Emission Section	Intervention	Reference Number	Action	Description	Priority Action (Yes/No)	Key Players	Timescale	Indicative Costs
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.10	Commission energy audit of council-owned flats and develop retrofit plan	HDC also owns 41 affordable housing flats, which have solar PV but still have scope for improvement, including battery storage which could be used to supply the leisure centres with renewable electricity. HDC should review the building specs for relevant information and carry out energy audit of these flats and develop a plan for retrofit and/or battery storage. Collaboration with Everyone Active will be needed if renewable electricity supply to the leisure centres is considered.	No	Corporate Head of Community and Housing Everyone Active	Short-medium term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.11	Investigate opportunities to renovate and retrofit temporary accommodation hostel.	HDC owns a temporary accommodation hostel on a long lease to the Housing Association. The hostel has poor energy efficiency with EPCs of E and F. The potential for refurbishment and retrofit of the hostel needs to be investigated. Collaboration with the Housing Association will be vital as the current lease spans 60 years. The first step is therefore for the Council to investigate the terms of the existing contractual arrangement and understand what the Council has responsibility for.	No	Head of Community and Housing and Housing Association	Medium term	£-££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.12	Identify potential operational buildings to connect to heat networks in future	Heat networks are a low-carbon heating alternative to gas from the national grid or oil. Work with Hampshire County Council to establish if any buildings could have the potential to be connected to heat networks in the future, linking wider decarbonisation planning to this identified potential. Ensure this aligns with wider plans for district decarbonisation. There may be scope to connect the leisure centres to heat networks, which will require collaboration with Everyone Active and Frogmore.	No	Infrastructure Manager and Everyone Active	Long term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.13	Connect relevant buildings to heat networks	As identified in BE.1.12, when it becomes feasible and appropriate to connect operational buildings to heat networks, do so. Work with Everyone Active and Frogmore for the leisure centres and Hampshire County Council for the civic offices and workshop, as relevant.	No	Infrastructure Manager and Everyone Active	Long term	£££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.14	Assess the feasibility of using low carbon heat sources for buildings	Heat pumps, including air source, ground source, or water source, produce heat using electricity rather than fossil fuels like gas or oil. These can be used to decarbonise heat in buildings, and air source heat pumps in particular require minimal engineering works. A feasibility study should identify cost effectiveness, technical applicability, and carbon reduction potential of installing heat pumps in civic offices and the workshop. HDC should also work with Everyone Active to investigate the feasibility for using heat pumps for space heating in the leisure centres.	Yes	Business Support, Facilities & Data Manager and Everyone Active	Short term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.15	Roll out low carbon heating sources identified in feasibility study	Use the findings of BE.1.14 to roll out low carbon heating for operational buildings. HDC can implement low carbon heating in civic offices and the workshop, if feasible. Liaise with Everyone Active for implementation in leisure centres, if deemed appropriate, taking into consideration BE.1.17 and BE.1.20.	No	Business Support, Facilities & Data Manager and Everyone Active	Medium term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.16	Work with Everyone Active to investigate the potential to improve the sophistication of the Building Management Systems (BMS) in place at leisure centres	Automatic lighting and a BMS are already in place, however the BMS is somewhat basic. This could be improved to reduce energy demand. Data from BMS could be analysed and used to collate an inventory of further actions that can be implemented in the leisure centres. This will require collaboration between HDC and Everyone Active, as well as Frogmore from whom one of the leisure centres is leased.	No	Business Support, Facilities & Data Manager and Everyone Active	Medium term	£

Emission Section	Intervention	Reference Number	Action	Description	Priority Action (Yes/No)	Key Players	Timescale	Indicative Costs
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.17	Work with Everyone Active to review leisure centre contract Key Performance Indicators (KPIs)	HDC's contracts with the leisure centres include a broad KPI to promote "the minimization of energy consumption within the new facilities". Everyone Active is required to improve the Display Energy Certificate (DEC) rating year on year for the leisure centres. At the next contract renewal, or earlier, if possible, investigate the opportunity to expand KPIs to be more specific, e.g. to procure renewable electricity.	No	Business Support, Facilities & Data Manager and Everyone Active	Medium term	£
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.18	Work with Everyone Active to assess the feasibility of using low carbon heat sources for pools in the leisure centres	Gas boilers are currently used to heat pools, and Hart leisure centre currently operates a CHP. Alternatives have been trialled elsewhere, e.g. heat from wastewater in Scotland and alterations to plant rooms/ pumping in Manchester. Work with Everyone Active, Hampshire County Council, and Frogmore to assess the feasibility of these options.	No	Contracts and Procurement Manager and Everyone Active	Medium term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.19	Work with Everyone Active to review the events schedule and leisure centre opening hours to limit energy requirements (i.e. heating, lighting)	Scheduling public events and opening times can limit heating supply and electricity demand, which can reduce GHG emissions from fossil fuel heating in the short term and will reduce running costs for low-carbon heating in the longer term. This is applicable to the leisure centres but also any operational buildings where events are held. This will require collaboration between HDC and Everyone Active.	No	Sport and Leisure Manager and Everyone Active	Medium term	£
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.20	Work with Everyone Active to carry out internal review of air conditioning in leisure centres and investigate alternatives	Refrigerants used in air conditioning have a significant carbon footprint. HDC should work with Everyone Active and Frogmore to carry out a review of current refrigerant use for air conditioning and investigate options for lower global warming potential refrigerants or total alternatives.	No	Contracts and Procurement Manager and Everyone Active	Long term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.21	Finalise and implement Everyone Active energy action plan. Develop overall energy strategy	An energy action plan is already in train for Everyone Active. Work with Everyone Active to finalise and implement this. HDC should also encourage Everyone Active to commission a broader energy strategy to present projected future demand, and proposed actions to reduce demand and reduce the carbon intensity of supply. Everyone Active with require capital investment from the Council and HDC should prepare for Everyone Active to come to the Council with options.	Yes	Sustainability Officer & Sport and Leisure Manager and Everyone Active	Medium term	££
Buildings and Energy	Decarbonising heating and improving energy efficiency	BE.1.22	Identify any inefficient buildings that are leased and request improvements or identify alternatives	Some of the buildings in HDC's operational boundary are not owned and are leased, such as the leisure centre leased from Frogmore. Their energy performance should be assessed, after which HDC needs to establish which party is responsible for relevant improvements. Where HDC is responsible, then the property should be audited. A plan should be developed for buildings that are a lessor's responsibility.	No	Commercialisation Manager & Contracts and Procurement Manager	Medium term	££
Buildings and Energy	Decarbonising electricity supply	BE.2.1	Work with Everyone Active to survey existing solar panels at leisure centres and ensure they are in good repair and operating to full capacity	Fully operational solar panels will maximise HDC's electricity generation potential. HDC should work with Frogmore and Everyone Active to assess panel condition at the leisure centres and cost of repair/ maintenance before implementing a schedule of repairs to ensure all panels are in good working order.	No	Infrastructure Manager and Everyone Active	Medium term	££
Buildings and Energy	Decarbonising electricity supply	BE.2.2	Assess further opportunities for renewable electricity generation across HDC's operational buildings, including rooftop solar PV, micro wind, and energy storage	Installation of solar PV on civic office roofs is currently in progress. Considering the outcome of action BE.1.1, a full assessment of potential sites, capacity, and costs to increase supply of on-site renewable electricity generation is required. This should include the consideration of solar PV at the grounds depot and other operational buildings.	Yes	Infrastructure Manager and Climate Change Working Group	Short term	££
Buildings and Energy	Decarbonising electricity supply	BE.2.3	Assess opportunities and develop business case for purchasing land for solar PV and energy storage	Continue to work with Energy Hub to look at opportunities as they arise, and work with Richard Wheeler to produce basic toolkit to assess future opportunities. Consider purchasing land for solar PV.	No	Commercialisation Manager	Medium term	£££

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Buildings and Energy	Decarbonising electricity supply	BE.2.4	Assess future electricity demand requirements	By 2035, HDC's electricity demand is likely to shift, with increased EV charging, electrification of heating, and improvements in energy efficiency each impacting demand. A study should be commissioned to assess how these factors are likely to contribute to HDC's overall electricity demand.	No	Sustainability Officer	Medium term	££
Buildings and Energy	Decarbonising electricity supply	BE.2.5	Assess feasibility of a Power Purchase Agreement (PPA)	Using internal resource, HDC should assess the feasibility of contracting a PPA in order to directly supply HDC with 100% renewable electricity. HDC should identify potential renewable generators and initiate discussions on the costs and benefits. HDC may rely on frameworks to procure a PPA and could link with larger organisations to do so e.g. Hampshire. This could also link with the new solar farm development in the district that HDC has approved. It is important to consider the current electricity market and commercial implications of switching suppliers at the present time (June 2022).	Yes	Contracts and Procurement Manager and Hampshire County Council	Short term	£
Buildings and Energy	Decarbonising electricity supply	BE.2.6	Engage with Everyone Active on renewable electricity supply for leisure centres	The leisure centres' electricity is currently supplied by SSE and some solar PV panels. This decision is made on a financial basis at a high level. HDC should schedule discussion with Everyone Active to understand the current electricity generation capacity of the existing solar PV panels, and to investigate the potential of procuring electricity which drives increased renewable electricity generation. This could include Everyone Active requesting SSE's 5-year renewable development plan and the Council investigating true green tariff options to present to Everyone Active. It is important to consider the current electricity market and commercial implications of switching suppliers at the present time (June 2022).	Yes	Sport and Leisure Manager	Short term	£
Buildings and Energy	Decarbonising electricity supply	BE.2.7	Review current electricity supply to understand whether existing contracts drive increased renewable electricity generation on the grid	HDC's current electricity tariff is supplied by Hampshire Laser. A REGO-backed electricity supplier has been investigated but was not selected. HDC should consider changing to a provider that generates the renewable electricity they supply at next contract renewal. It is important to consider the current electricity market and commercial implications of switching suppliers at the present time (June 2022).	Yes	Contracts and Procurement Manager	Short term	£
Buildings and Energy	Increasing data availability	BE.3.1	Increase metering across operational buildings	Consistent metering can provide the granular data required to understand electricity and gas consumption. Based on the outcome of action BE.1.1, under an assessment of current metering and the costs and benefits of additional metering (including smart meters) internally. Installing submetering can be linked to installing heating controls, solar PV, and improving BMS.	No	Business Support, Facilities & Data Manager	Medium term	££
Buildings and Energy	Increasing data availability	BE.3.2	Expand baseline to include new buildings in future	Going forwards, expand greenhouse gas footprinting to include new buildings.	No	Business Support, Facilities & Data Manager	Medium term	£

Emission Section	Intervention	Reference Number	Action	Description	Priority Action (Yes/No)	Key Players	Timescale	Indicative Costs
Monitoring, Reporting and Communications	Other	MRC.1.14	Promote the consumption of low carbon food	Promote through communications and Hart news. HDC to support urban/community gardens and allotments – link with action MRC.1.6 and 1.8.	No	HDC Comms team Corporate	Medium term	£-££
Monitoring, Reporting and Communications	Monitoring and Reporting	MRC.1.1	Consider setting an interim CO2e reduction target	Investigate the merit of setting an interim/annual CO2e reduction target. If merited, the target should be set and agreed.	No	Sustainability Officer – HDC HDC Climate Change Working Group Comms - HDC	Short term	£
Monitoring, Reporting and Communications	Monitoring and Reporting	MRC.1.2	Relevant action to be reflected in each service plan with agreed targets	Service plans to be updated and reviewed annually to reflect relevant climate action.	Yes	Heads of Service – HDC	Ongoing	£
Monitoring, Reporting and Communications	Monitoring and Reporting	MRC.1.3	Identify key strategies and policies to be reviewed	Identify, and if necessary, review key Council strategies and policies likely to have an impact on climate change	No	Corporate Strategy – HDC	Short -medium term	£
Monitoring, Reporting and Communications	Monitoring, Reporting and Communications	MRC.1.4	Embed climate change objectives within Cabinet decision making process	Continue to amend all report templates to include climate change objectives and ‘climate emergency compliance’ checklist.	Yes	Comms - HDC Committee Services – HDC	Short term	£
Monitoring, Reporting and Communications	Monitoring and Reporting	MRC.1.5	Establish a cross services working group	HDC to establish a cross services climate action working group. More communication between service areas and teams is required to enable a holistic and efficient approach to climate action.	Yes	Heads of Service – HDC Sustainability Officer - HDC Comms - HDC	Short term	£
Monitoring, Reporting and Communications	Communications	MRC.1.6	Collaborate with Local Councils, schools and other large entities in the district	Set up a collaborative working group with Hart Town and Parish Councils to drive climate action forward on a community scale. Reach out to Parish and Town Councils, local schools, environmental groups and RAF base etc. to find out what action they are already taking and how the Council could support further action.	Yes	Comms - HDC Hart Local Council Corporate Strategy – HDC HDC Climate Change Working Group Town and Parish Councils Local Schools RAF base	Short – medium term	£
Monitoring, Reporting and Communications	Communications	MRC.1.7	Link Hart action plan with Hampshire wide 2050 Net Zero target	Establish dialogue with Hampshire County Council regarding their 2050 plans and link in action plan objectives with Hampshire County Council for funding and resources. Influence Hampshire County Council where feasible, through partnerships. Link up communications and external messaging with County Council. The relationship with Hampshire County Council on this matter should be led by the Councils' Sustainability Officer.	Yes	Sustainability Officer - HDC Comms - HDC Hampshire County Council	Ongoing	£
Monitoring, Reporting and Communications	Communications	MRC.1.8	Develop a climate change communication strategy	Develop a climate change communications strategy and behaviour change communications campaign to share advice and expertise with communities and encourage climate action. Promote climate change and sustainability in Hart through improved website, events and Council communications. Adapt existing Council climate change webpage to become an information hub, showcasing action by HDC, climate targets and plans and signposting resources and funding opportunities to residents/businesses. Utilise Britain Talks Climate Toolkit to target messaging. This is a core action and should be heavily prioritised. The comms strategy, although an individual action here, could have its own extensive action plan. Many other comms related actions will fall out of the strategy development. This action forms the core role of the new climate change sustainability officer. Multiple campaigns for both residents and businesses are already under development. For waste this would need to link with the Joint Communications Strategy being drafted at present and includes Project Integra and Hampshire County Council work.	Yes	HDC Comms team Project Integra Hampshire County Council	Ongoing	££
Monitoring, Reporting and Communications	Monitoring, Reporting and Communications	MRC.1.9	Establish a mechanism for information sharing	Establish a mechanism for Council officers to report climate action progress, project updates and general climate information to the communications team for external and internal communications.	No	HDC climate working groups Comms team - HDC	Short term	£
Monitoring, Reporting and Communications	Monitoring, Reporting and Communications	MRC.1.10	Monitor and report on progress externally	Produce an annual report on Hart’s CO2e emissions, climate change targets and actions and disseminate to stakeholders.	No	Sustainability Officer - HDC Comms team - HDC	Annual	££
Monitoring, Reporting and Communications	Monitoring and Reporting	MRC.1.11	Develop an internal reporting and monitoring process	Develop an internal reporting and monitoring process to ensure decision making linked to responding to climate emergency can be taken quickly and efficiently. For example, establish a system by which heads of service can propose new climate actions/projects monthly to the climate change working group for sign off and approval. This system would include the bi-monthly update of existing projects/actions through a RAG rating. I.e. green – progressing as planned, amber – some issues encountered but still on track, red – not started and/or significant hurdles encountered, not progressing as planned.	Yes	HDC Climate Change Working Group Heads of Service - HDC	Short term	£

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Monitoring, Reporting and Communications	Monitoring and Reporting	MRC.1.12	Develop a co-benefit checklist or decision-making framework/ tool	A co-benefit decision making framework, tool or checklist would highlight how spending in one department (e.g. transport) makes savings in another (e.g. health). It would allow the Council to identify potential savings across departments as a result of transport interventions, for example. Identifying co-benefits would also mean that the Council could leverage new funding sources aimed at tackling health challenges as part of transport and other carbon interventions.	No	Sustainability officer - HDC	Short – medium term	££
Monitoring, Reporting and Communications	Monitoring and Reporting	MRC.1.13	Update community of progress on Council's climate change actions	Periodically update the local community and key stakeholders on the Council's climate change actions and progress to inspire action and communicate lessons learnt.	No	Sustainability Officer - HDC Comms team - HDC	Ongoing	£-££