

Holme Valley Parish Council CLIMATE EMERGENCY ACTION PLAN GUIDANCE FOR WORKING GROUPS ON THEIR ACTION LISTS

Introduction

The Parish Council Climate Emergency **working party subgroups** have been tasked with coming up with a **list of potential actions** that the Parish Council could endorse and support, as a plan for moving the Holme Valley South area towards becoming carbon neutral by 2030, as per their Climate Emergency resolution on 25th March 2019.

These **action lists** are intended to cover **short**, **medium- and long-term actions**, to help our local community reduce our carbon footprint in the run up to 2030, from our current net emissions of 170,000 tCO2e per year or 7 tonnes CO2e per resident down to net zero. These actions may be progressive – small actions first to show the way, educating people and doing demonstration projects to show what can be done, with medium- and longer-term actions making real and significant carbon reductions.

Some actions will be within the remit of the Parish Council to undertake, others will require cooperation with local community organisations and businesses and Kirklees Council. Some actions will be beyond the Parish Council's control e.g. by Kirklees Council, central government, businesses and communities, for which the Parish Council can only lobby for or exert its influence.

A range of actions is possible, covering immediate actions and longer-term actions which are needed for getting to carbon neutral. They may build on one another and be complimentary. Progress to achieving carbon neutral status will be hard as it requires drastic action and may take 10+ years to get there e.g. replacing all petrol cars, changing all natural gas domestic heating to other clean fuel sources etc. However, such actions need to be on our action lists if the plan is to become carbon neutral by 2030.

In reality, not all actions will be implemented, or stand the test of time. Future events will change them. Technology and solutions will change them as innovation kicks in. However, **these action lists are our best assessment of what can be done to move forward at the present time in response to the Climate Emergency**. Whilst most people now believe that doing nothing is not an option, they are unclear as to what can be done! These action lists are our best way of helping them understand and get them thinking about action!

To help the working groups make up their action lists, the following examples are used to illustrate the range of possible actions that a working group could consider developing for inclusion on their action list. The **example used is to address the need to decarbonise transport in the Holme Valley parish area** - which currently contributes 30% of HV carbon emissions [or 2.1 tCO2e per resident amounting to 57,000 tCO2e net emissions per year]

Action themes and objectives

For decarbonising transport, this can be done by a combination of reducing the need for motor vehicles and switching from carbon emitting vehicles to clean energy vehicles. These lead to two main action themes - (1) to promote more use of shared, low-carbon public transport and (2) to replace our high-carbon emission petrol/diesel vehicles with low-carbon vehicles. These objectives are complimentary, but each will spawn a range of actions, with different time, cost and carbon reduction impacts, not to mention different levels of involvement and action by the Parish Council, Kirklees Council and national government, as well as the local community.

Each of these two action themes will generate a number of carbon reduction actions in the transport sector that the Parish Council could support and publicize, albeit not all are within our gift to deliver on our own.

Examples of possible actions are set out as follows:



Short term actions – by 2020

- (1) Car-free day each month in centre of Holmfirth not use your petrol/diesel car, use public transport, share lifts with others, walk or bike to centre etc
 - a. **Carbon saving:** if 10% of HV population take part and avoid using their car one day a month this could save 100 tCO2e per year only 0.2 % of the transport carbon reduction needed to get to carbon neutral but small steps get people thinking and acting! [*Calc: 27,000 HV population x 10% of HV residents participating x 1.18 transport carbon tCO2e per resident per year x 12 free days/ 365 total days per year*]
 - b. Cost: small campaign costs e.g. signage, publicity
 - c. Action: Parish Council campaign
- (2) Promote low carbon transport within the HV easy to read bus route map, EV charging point map, cycling and walking routes etc.
 - a. Carbon saving: if 5% of HV population take part and avoid using their car one day a month this could save 150 tCO2e per year only 0.3 % of the transport carbon reduction needed to get to carbon neutral but small steps to get people thinking and acting!
 - b. **Cost:** small design, artwork, campaign costs e.g. signage, publicity **Action:** Parish Council campaign

Medium term actions – by 2024

- (3) Provide public parking spaces with charging points for Electric Vehicles (EV) provide block of spaces for preferential and/or free EV parking in council car parks, in private supermarkets/ shops, also provide enabling facilities for residents to have easy EV road parking and charging facilities in front of their houses (across the public pavement).
 - a. **Carbon saving:** if 10% of HV population are encouraged to buy electric vehicles by these incentives, this could save 5,000 tCO2e per year 3% of the reduction needed to get to carbon neutral but significant step in decarbonising personal transport and sets a lead! [Calc: 27,000 HV populations x 5% of HV residents saving 6,500kWh transport fuel cost per capita per year9 Kirklees 2018 facts) x 0.286 kgCO2e per kWh petrol conversion factor]
 - b. **Cost:** £10k to £100k parking spaces, pavement cable crossings, EV charging points, parking revenues, signage, publicity, admin.
 - c. Action: Parish Council in partnership with Kirklees Council and businesses
- (4) Promote car-sharing for commuters use car-clubs, electric 'uber' style call up taxis, community minibus schemes, 'pay-not-to-drive' and '2+ per car' incentive schemes etc, to get residents to share, reduce, avoid car journeys to work, school, shopping, socialising etc
 - a. **Carbon saving:** if 25% of HV population take part and avoid using their cars to commute or shop on average two days per week or 25% of their time, this could save 2,000 tCO2e per year 1.5% of the carbon reduction needed to get to carbon neutral but shows the way by creating pilot schemes. [calc: 25% of 12,000 HV household do 25% less car journeys x 2.65 tCO2e transport carbon per household per year]
 - b. **Cost:** medium campaign costs e.g. signage, publicity etc, investment in EV taxis and buses, 'not-to-drive' bus pass incentives, say £50k to £100k
 - c. Action: Parish Council in partnership with businesses and community organisations



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- (5) Provide better cycling and walking routes feasibility study and implementation of dedicated cycle routes for commuters between HV villages and into Huddersfield.
 - a. **Carbon saving:** if 5% of HV residents are encourage to cycle rather than use their cars, say to commute to work in Huddersfield from Holmfirth, this saves 500 tCO2e per year 0.5% of the carbon reduction needed to get to carbon neutral but shows the way by creating pilot schemes and also making for a more healthier and productive lifestyle for HV residents. *[calc: 5% of 27,000 HV residents save commuting car journey of say 12 miles return to Huddersfield, say average of 2 days per week x 0.286kg CO2e per mile carbon emissions saved for an average car.]*
 - b. **Cost:** medium research, design, artwork, campaign costs e.g. signage, publicity etc, investment in cycle routes and pathways, say £25k to £100k
 - c. Action: Parish Council in partnership with businesses and community organisation

Longer term actions – by 2030

- (6) Carbon free personal transport vehicles all local cars, vans, HGV's and buses in the HV are switched from fossil-fuelled vehicles to electric or other carbon neutral fuels e.g. hydrogen, biofuels etc.
 - a. **Carbon saving:** when all the HV population and businesses switch to non-fossil fuelled vehicles, this will save over 50,000 tCO2e per year a massive change and the second most significant carbon reduction action after decarbonising energy! This is nearly a third of the carbon reductions needed for the Holme Valley to become carbon neutral. [*Calc: 27,000 HV population x 95% of HV residents participating x local transport carbon 1.9 tCO2e per resident per year*]
 - b. **Cost:** significant, requiring UK government to set targets and provide the financial incentives and penalties, businesses to provide suitable cars which are economical and provide the necessary utility e.g. range, reliability, capacity etc, and provide the necessary fuel networks e.g. provide EV charging grids and technology, convert gas networks to hydrogen, etc.
 - c. Action: National government and business.

(7) Low cost, flexible, carbon free public transport systems – provide better shared transport systems for rural Holme Valley to reduce reliance on personal owned transport.

- a. Carbon saving: when all the HV population have access to flexible shared transport services, though a combination of more flexible and responsive transport infrastructure services and the introduction of autonomous vehicles, this will reduce the need of household car ownership, drive up vehicle utilisation in terms of average passengers per car and reducing car journeys. These efficiencies could reduce both vehicle miles and transport carbon per mile. 20% transport efficiencies would save 10,000 tCO2e per year 15 % of the transport carbon reduction needed to get to carbon neutral but a significant step in getting people thinking and acting! [Calc: 27,000 HV population x 95% of HV residents participating x local transport carbon 2.0 tCO2e per resident per year]
- b. **Cost:** significant, requiring UK government to invest in low carbon transport infrastructure and the introduction of autonomous transport systems, making flexible share transport available and reducing the need for household car ownership.
- c. Action: Kirklees Council, national government and business.

By working back from the overall carbon reduction needed for each sector, as set out in tonnes CO2e per year in the Carbon Plan for the HV Parish area, each sector working group should explore in similar ways to the above, the range of actions that need to be considered over time, from short to long term, the carbon reductions that could be achieved, the likely costs of this action and who is best placed to carry out or initiate the action.