

Climate Change Action Plan

Update

12 October Climate Change Scrutiny
Panel

Recap

- September 2019: Commitment to carbon neutrality by 2030
- October 2020: 1st Carbon footprint calculation reported (3661.44 tCO₂e)
- May 2021: First meeting of Climate Change Scrutiny Panel
- June 2021: Climate Change Action Plan (CCAP) approved by Executive

Climate Change Action Plan

Climate Change Action Plan focuses on the following types of projects:

- Main focus on reducing the Council's Carbon Footprint, but also:
- Leadership role in Borough wide carbon reductions
- Adaptation and Resilience

Reducing FBC footprint: What's happened so far

- Electric vehicle for enforcement officers
- 2 rapid charging points in Osborn Road Multi-Storey
- Electric turf mower purchased
- Solar powered pay and display machines



Reducing FBC footprint: Vehicle Fuel Emissions

- 48% of scope 1 and 2 emissions
- Modelling fleet replacement options
- First focus are Refuse Collection Vehicles:
- Biggest emitters: Over 2/3 vehicle fuel
- Assessing following options:
 - Bio-fuel i.e. Hydrotreated Vegetable Oil (HVO)
 - Electric
 - Hydrogen

RCV replacement considerations

- Capital costs including potential infrastructure
- Fuel costs
- Potential carbon footprint/savings
- How developed the technology/sector is e.g. Electric Refuse Collection Vehicles
- Identifying future risks/opportunities e.g. diesel price increases
- Legal requirements

Provisional findings

- HVO could be good transitional fuel before e-RCV market matures
- 88% less emissions than diesel
- Can run on diesel engines without modification
- Less infrastructure requirements than electric and hydrogen
- Around £2,000 higher annual fuel costs per vehicle but could be partly offset by better mpg
- Potential to test on Garden Waste Vehicles

Reducing FBC footprint: Electricity Supply

- Site electricity is 26% of scope 1 and 2 emissions
- 36% of scope 3 emissions
- Current supplier EDF offer green tariffs:
 - Nuclear only – same price as current tariff
 - Renewable including landfill gas - £1,950 extra a year
 - Solely renewable – £2,730 extra a year
- Potential to switch for 2022/23

Reducing FBC footprint: Gas Supply

- Site gas is 31% of Scope 1 and 2 emissions
- Current supplier Total offers 'green gas' tariff:
 - Bio methane made from recycling plant material and organic waste
- Additional tariff costs:
 - 24% of gas emissions: Civic and Depot - £5,313
 - 46% of gas emissions: Housing communal areas - £10,375
 - 30% of gas emissions: ¼ of Crematorium - £6,693

Reducing FBC footprint: Next steps

- Senior Managers Workshop – Early November
- Feasibility report from SSE Networks on potential for Solar Farm at Hook Tip due late November:
 - Requested by Councillor Martin
 - Understand requirements for connecting to the National Grid

Reducing FBC footprint: Next steps

- Continued work on approach for climate change considerations in decision making
- New funding schemes for decarbonisation of local government likely
- Often tight timescales for applications
- Feasibility studies could be beneficial:
 - Electric vehicle charging infrastructure
 - Whole building decarbonisation of Civic and Depot
 - Decarbonisation of Community buildings

Borough wide carbon reductions: Housing

Local Authority Delivery (LAD) 2:

- City Energy running scheme in Solent until March 2022
- Low income households less energy efficiency homes – D and below
- Promoting scheme: 49 applications from residents in first month
- Housing report to October Exec:
 - Scheme to fund up to £5,000 or 2/3 of costs of works on Council housing stock
 - 47 properties identified for first wave

Borough wide carbon reductions: Housing

- **Sustainable Warmth Scheme:** January 2022 to March 2023
- Joint bid with Portsmouth Partnership – 22 Councils
- Similar criteria to LAD 2 but for private residents
- Focus on low income households in Band D or less energy efficiency rating
- Minimum £250,000 allocated per Council area plus
- £25,000 for Council marketing
- Decision in Autumn

Borough Wide Carbon reductions: Electric Charging

- 14 Council sites across Borough proposed to SSE as potential Digital Community Hub:
 - 10–20 rapid charging bays
 - Solar and battery technology
 - Distributed energy generation
 - 5G
 - Potential income generator for Council

Borough wide carbon reductions: Engagement

- Climate Change webpages redesigned
- Promoted Solar Together Hampshire scheme: 127 surveys
- Greening Campaign Titchfield – public meeting 20 October
- Warsash Residents Association presentation
- Business Newsletter: Promotion of electric charger funding

Adaptation and Resilience

- Sustainable In-Bloom and Floral Displays:
 - October Executive report
 - More sustainable approach to planting
 - Reduced water use
- Tree Review:
 - Strategic tree planting sites

Hampshire County Council

- County Council and Hampshire to be carbon neutral by 2050
- Also resilient to impact of 2°C temperature rise
- Around 200 projects in action plan
- On-street electric vehicle charge points:
 - Current trial in Eastleigh and Winchester

Questions ?