

# Climate Change Action Plan Update



**FAREHAM**  
BOROUGH COUNCIL

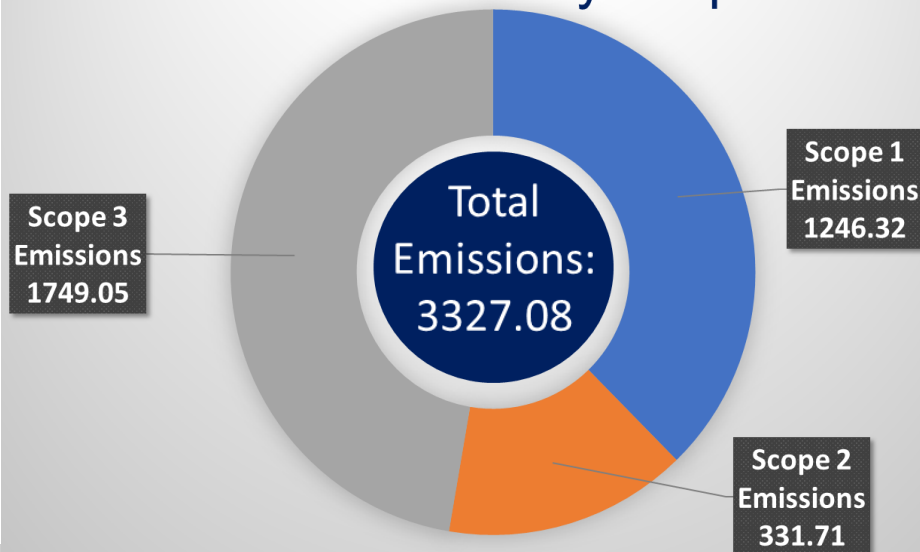
# Climate Change Action Plan Update

- Update on projects since 18 October 2022 Scrutiny Panel

# Changing emissions since 19/20

- Scope 1 reduced by 129.83 tCO<sub>2</sub>e
  - One less vehicle in the fleet
  - Greater bio-fuel content in diesel fuel
  - Less fuel used
  - Impact of start of HVO trial
- Scope 2 decreased by 218.31 tCO<sub>2</sub>e:
  - Greening of the national grid
  - Zero carbon tariff but still record use
- Scope 3 increased by 16.88 tCO<sub>2</sub>e

## 2021/22 emissions by scope tCO<sub>2</sub>e



# Scope 1: Vehicle Replacement Programme

- 2021/22: 862.7 tCO<sub>2</sub>e
- Aims:
- Move to a modern fleet of reliable commercial vehicles
- Reduce fleet emissions in a considered way
- Embrace our leadership role within the Borough
- 5-year vehicle replacement programme
- Plan phased infrastructure

# Scope 1: Vehicle Replacement Programme

- Range of influences on the programme e.g. legislation
- Fuel and vehicle types being analysed:
  - Diesel
  - Electric
  - Hydrotreated Vegetable Oil (HVO)
  - Green Hydrogen



# Scope 1: Vehicle Replacement Programme

- Fuel type analysis:
  - Cost
  - Availability
  - Ability to meet service requirements
  - Carbon emissions
  - Infrastructure required



# Scope 1: Vehicle Replacement Programme

- Reporting in spring:
  1. Executive Member briefings
  2. Pre-Scrutiny: Streetscene Scrutiny Panel (Climate Change Members to be invited too)
  3. Executive decision

# Scope 2: Electricity

- 331.71 tCO<sub>2</sub>e in 2021/22 across whole estate
- Moved to zero carbon nuclear electricity tariff for 2022/23 at no additional cost
- Additional £2,900 in 2023/24
- Allows us to report 'market' emissions of zero but still have to report 'location' emissions e.g. 331.71 tCO<sub>2</sub>e



# Scope 2: Electricity

- 2021/22: 87.38 tCO<sub>2</sub>e to power Civic (including tenants)
- Small Change Big Difference staff campaign launched
- Encourage energy efficiency at work
- Reduce energy costs and carbon emissions



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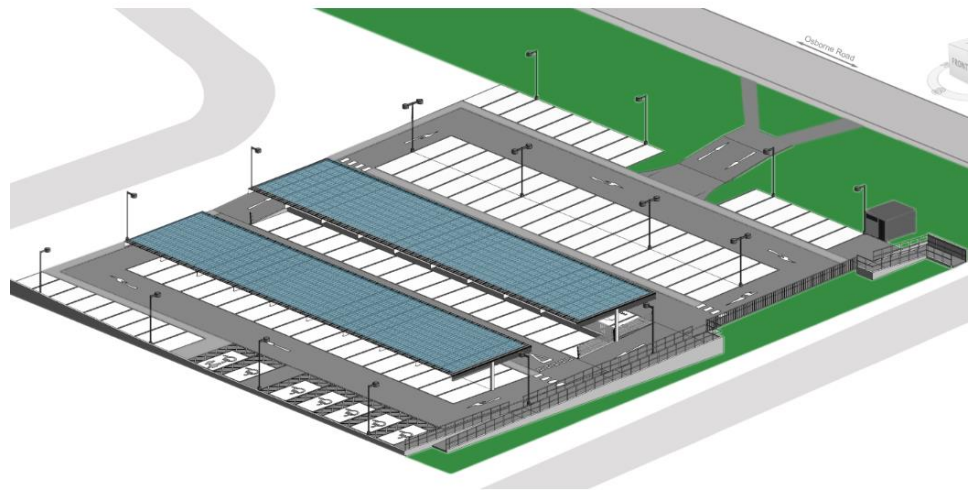
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# Scope 1 & 2: Civic

- Current Asset Management Plan for Civic Offices focuses on:
- Normal maintenance requirements
- Increased use of LED lighting across floors
- Major Refurbishment Project - developing options for:
  - Heat and ventilation
  - Energy generation
  - Thermal efficiency
  - Lighting
- Scoping report to Policy and Resources Scrutiny then Executive in the spring

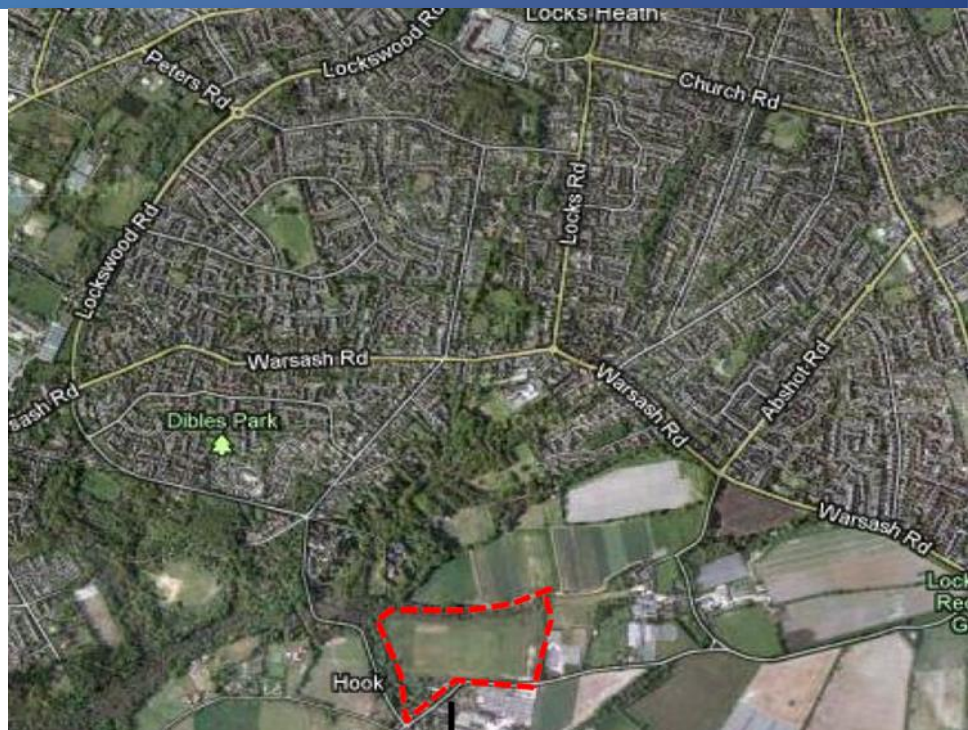
# Scope 2/Wider Borough: Osborn Road Multi-Storey Replacement

- 2021/22: 68 tCO<sub>2</sub>e to power multi-storey
- Electricity cost of £57,000 a year
- Replacing with 139 space surface car park
- Use recycled material
- Solar canopy with batteries:
  - Power car park
  - 8 electric vehicle charging points
  - May help power Fareham Live



# Scope 2/Wider Borough: Hook Tip Solar Farm

- Expert consultants appointed to conduct detailed feasibility study
- 1.5Mw site could potentially 'inset' around 95% of current Scope 2 Emissions
- Different operating models being analysed
- Significant capital costs involved
- Findings due early spring 2023



# Scope 3: Solent Airport

- 2021/22: 60.6 tCO<sub>2</sub>e for Solent Airport
- Follow Greenhouse Gas Protocols (GHG) for reporting. Emissions included:
  - Lighting
  - Heating e.g. control tower
  - Operational vehicle fuel e.g. fire engine
  - 'Well-to-tank' of fuel sold
- Emissions from flights not included in Solent Airport footprint
- Developing Climate Change Action Plan for airport

# Scope 3: Crematorium

- 2021/22 559.89 tCO<sub>2</sub>e in total
- 140 tCO<sub>2</sub>e for Fareham
- Joint committee decisions:
- Use gas fired cremators, not electric primarily due to space constraints on site
- Approval of Carbon Reduction Plan:
- Explore options for energy reduction, recovery and generation



# Scope 3: Other

- Leisure Centres
- 2021/22: 1103 tCO<sub>2</sub>e
- Feasibility studies for reducing energy use in both centres
- Community Centres:
- 2021/22: 153 tCO<sub>2</sub>e
- £30,000 for energy saving measures allocated



# Wider Borough Emissions: Tenants

- £1,028,988 of Local Authority Delivery (LAD) 2 works
- 177 improvements at 159 Council properties
- Improvements to Energy Performance Ratings (EPC) of properties
- Report to February Housing Scrutiny Panel

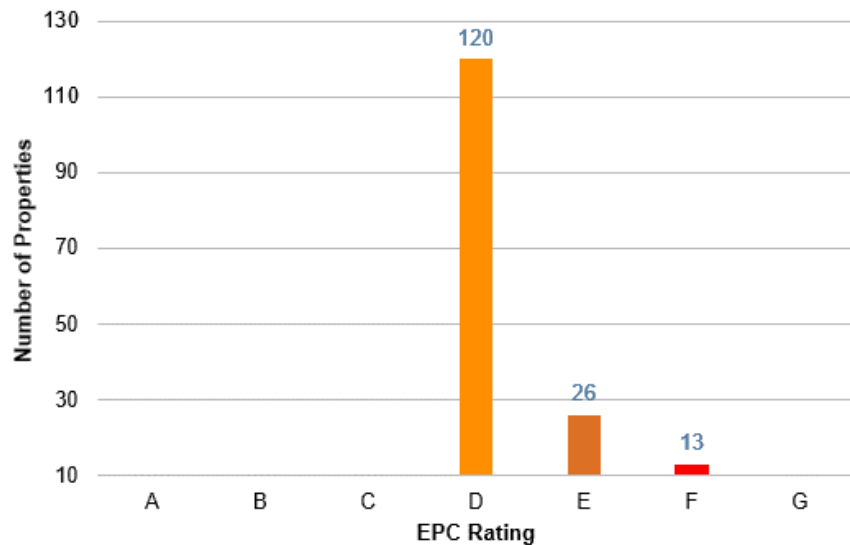
## Green Measures Installed in Council Properties

Measure Installed	Number of improvements
Loft Insulation	22
Upgrading Electric Storage Heaters	66
Solar Panels	89
Total	177

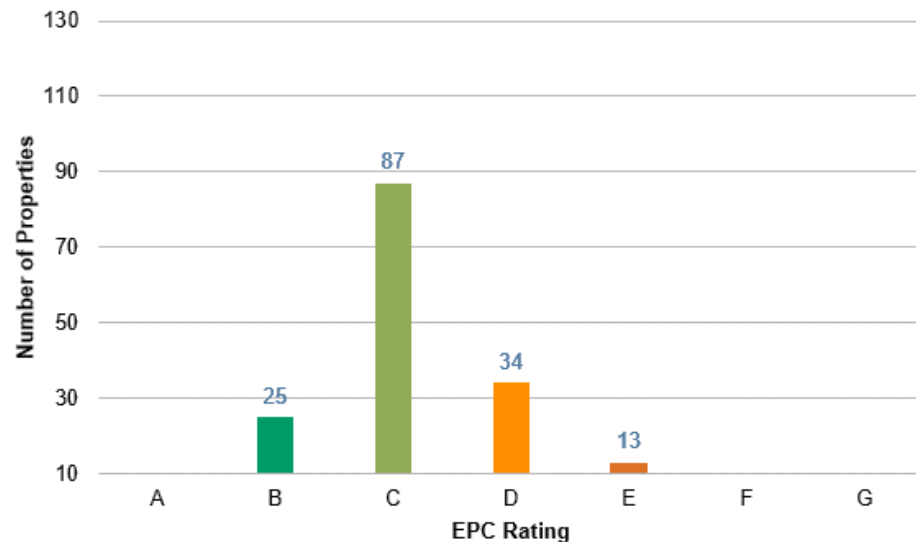


# Positive Impact of Works

EPC Ratings of LAD2 Selected Properties - Pre Works



EPC Ratings of LAD2 Selected Properties - Post Works



# Wider Borough Emissions: Grants

- Warmer Homes Scheme
- Summer 2022 to March 2023
- Free energy efficiency improvements to low income households
- Wide ranging communications campaign
- Nearly 200 applications in Borough so far
- 66 measures approved and 17 properties complete

The logo for the Warmer Homes scheme. The word "Warmer" is in a blue-to-red gradient font, and the word "Homes" is in a solid red font. Both words are in a bold, sans-serif typeface.

# Wider Borough Emissions: Grants

- Energy Company Obligation (ECO)
- Energy suppliers deliver free energy efficiency and heating measures to low income private homes
- ECO Local Authority Flex:
- Allows Council to widen criteria e.g. long term health conditions
- Council to sign-up shortly

# Wider Borough Emissions: Solar

- Hampshire Council - Solar Together scheme
- Joint buying of Solar Panels scheme
- 1,021 residents registered
- 215 accepted offer
- Fareham had one of highest acceptance rates in Hampshire



**Solar Together Hampshire**

# Next Steps

- Climate change in relevant decision making reports
- Proportionate approach
- Significant proposals e.g.
  - Construction of new buildings
  - Large scale building remodelling/improvements
  - Large procurements
- Narrative approach