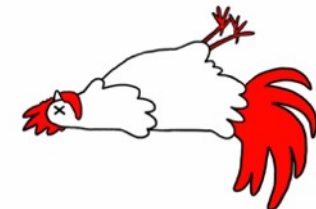


DCE Working Group Review of SCC Climate Change Strategy 2020

(updated 19th July 2020)

- Infographic of Surrey's carbon emissions per sector (to focus the mind)
- Working Group (WG) summary for:
 - ☐ Transport
 - ☐ Waste & Circular Economy
 - ☐ Built Environment (Housing)
 - ☐ Energy Infrastructure
 - ☐ Publicity/ Engagement



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Infographic for Carbon Emissions in the County of Surrey, UK

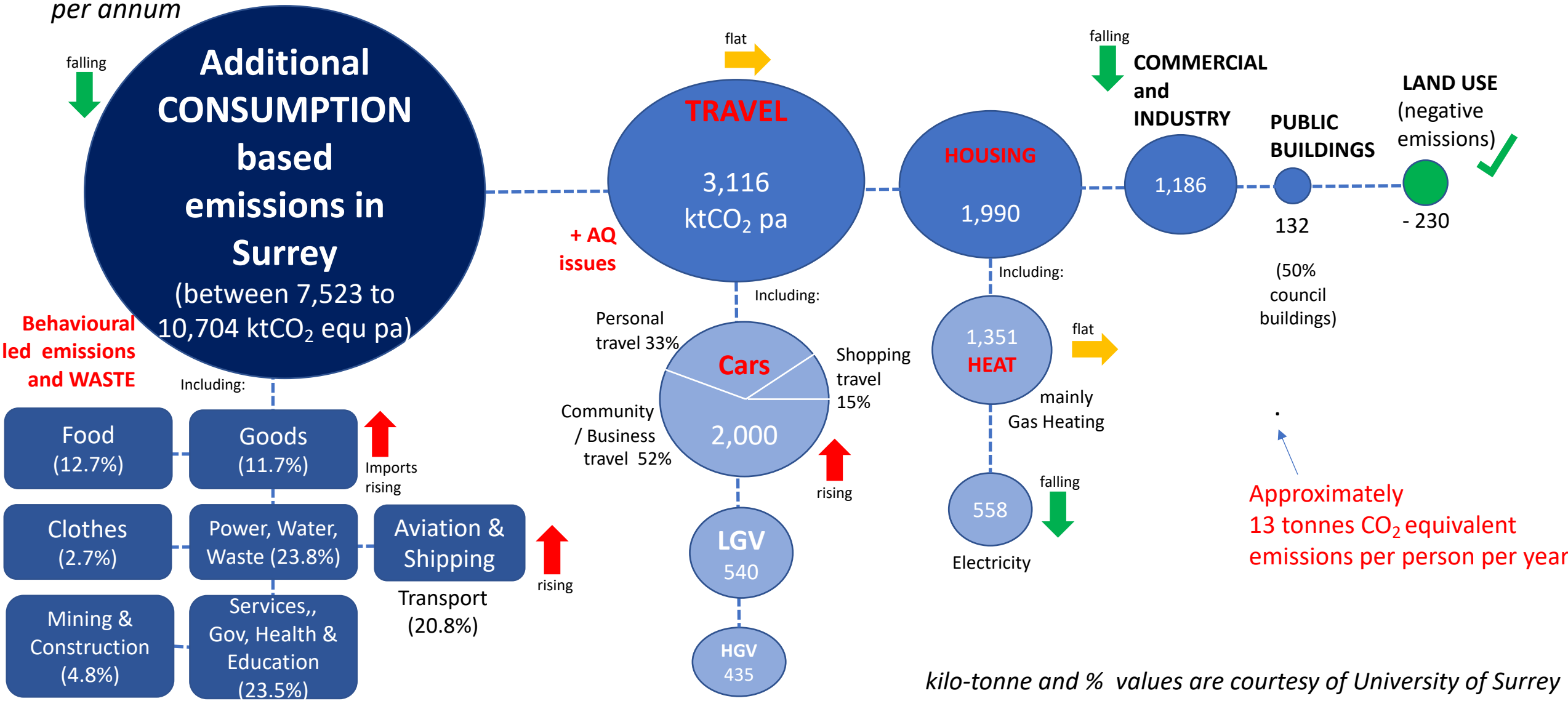
Consumption Based Emissions

+

Direct Emissions in Surrey (values in thousand tonnes CO₂ pa)

7,500-10,700 kt CO₂ equiv. emissions.
per annum

6,194 kt CO₂ emissions per annum



Summary of Key Findings – GENERAL from all Working Groups

Strategy and Actions

- There is a mismatch between actions planned and the strategy/ goals/ objectives in the SCC climate plan
- Actions lack ambition and target dates
- Many of the actions stated 'by 2035' must be done well before that date
- No urgency emphasized
- Surrey's Strategy largely ignores the information on infographic (see slide 2)
- Little attention to finance

See the last slide for pen pictures of the working group members, showing diverse backgrounds and wide experience.

Notice also from the infographic that emphasis needs placing upon behavioural change and consumption in addition to the 4 main WG areas.

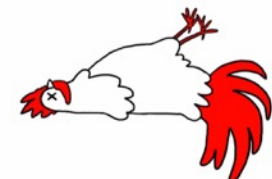
Transport Working Group – Summary of Key Findings

Strategy Needed

- Focus on Air Quality (Carbon aspect will follow – people don't easily 'get Carbon' but they do get AQ)
- 1st Reduce demand for travel (eg. work from home; post Covid19 experience = viable)
- 2nd follow hierarchy of modes (in order):
 - Walking and cycling
 - e-bikes and e-scooters
 - Sustainable public transport
 - Car (ideally 100% EV; PHEV perhaps)
- Deterrents for car ownership
 - Rent a car (when needed; lower cost)
 - Access restrictions
 - Parking pricing mechanisms
- Edge of town drop off
- Recognise Transport is a derived activity (work, shopping, housing locations, visiting family, etc)

Actions Needed

- Understand the market (who travels where & why)
- Invest in walking/cycling infrastructure
- Invest in Security and places to stow cycles
- Segregated areas from roads
- Focus on the AQ aspect of travel
- Dashboard showing AQ in public buildings
- Council to show leadership and not wait for central government; much of this is behavioural
- Communication, communications, communications!
- Promote the health issues of transport impacts
- Call for public transport investment



Waste & Circular Economy Working Group – Summary of Key Findings

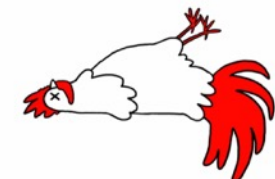
Strategy Needed

- View Waste from a Circular economy perspective
- Target 'ZERO WASTE'** (just like construction industry targets 'zero accidents' to drive behaviour very successfully)
- Recognise that two thirds of waste is Commercial & Industrial (C&I) waste
- Must properly sort waste to extract the organics and deal with the different plastics
- Major waste contract change in 2024. Treat as opportunity for radical change
- Public engagement around the issue of waste

Actions Needed

- Ambition for a revised waste contract 2024 (start forming that now)
- Create a zero waste agency
- Build a MRF asap
- Make waste recycling easier to understand for the public

**** zero waste target should not include incineration.**



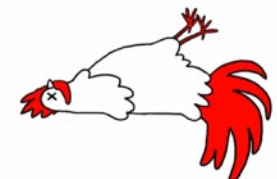
Built Environment (Housing) WG – Summary of Key Findings

Strategy Needed

- New build to very high eco-standards (only)
- Planning for extensions, refurbishment to require whole property high eco-standards
- Retrofitting programme needed
 - Starting with thermal efficiency
 - Focused street-by-street
- Develop training in colleges & universities

Actions Needed

- Strengthen planning to ensure new build and extension done to high standard of insulation and energy supply
- Policies, restrictions and incentives required for property maintenance, refurbishment, extension
- Retrofitting programme to be designed, funded and started as soon as possible
- Council to show leadership and not wait for central government or for Building Regulation enhancements



Energy Infrastructure WG – Summary of Key Findings

Strategy Needed

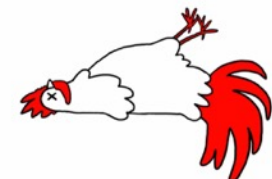
- New build planning policy to set strong constraints
- Local renewables generation on buildings (as economics now makes sense)
- Support for local community energy

Actions Needed

- New build to avoid natural gas for heating (use planning permission powers)
- Building refurbishment/extension must insulate and add renewables (not just 10%) (use planning permission powers)
- Public buildings to be fitted with solarPV; as demonstration to wider community (and is self financing). Offer up power purchase agreements if up-front funding is a limitation.

Note that the carbon intensity of the grid electricity has been dropping and is on a good trajectory. Natural gas is the challenge (its carbon intensity is fixed; and is now greater than electricity. It didn't used to be). Must use less natural gas.

Energy use is highly related to the built environment / housing.



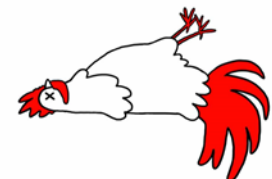
Engagement: to motivate and involve ALL Surrey

Strategy Needed

- Develop a cohesive engagement strategy to:
 - Introduce to those who are not aware
 - Develop existing ideas
 - Change perceptions
 - Change behaviours
 - Educate at ALL levels for a sustainable future
- Recognition that climate change mitigation actions and technologies will be forefront in impacting job employment and local economy.

Actions Needed

- Create a specific and targeted campaign for each of the 31+ proposed Actions which need publicity
- Establish ring-fenced finance for this
- Co-ordinate with schools, colleges, further education
- Use all forms of SCC communicates to convey the messages around climate change risk and actions needed
- Create a sense of urgency
- Ensure that councils do not just focus upon their estate and operations alone.



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Pen Pictures of Working Group members

Paul Street



Chartered Engineer; 30yrs in utility and energy industry. Was head of energy services for London Development Agency. Head of Sustainable Solutions for Black & Veatch. Runs own business. Cofounder of Dorking Solar Group & DCE.

Pat Smith



Traveler and cyclist, I taught English and Drama for many years, in the UK, Ethiopia, Serbia & Thailand. I joined various climate action groups then was cofounder of Dorking Climate Emergency. Why? Because of my grandchildren. This is the most important thing I will do before I die.

Ian Chappell



Change management consultant (now retired) for 30 years after running his own consultancy business. Worked at Board level with a range of UK multinationals. Particular interests in air pollution and engagement of residents in climate issues. A member of XR Dorking.

Chris Hyde



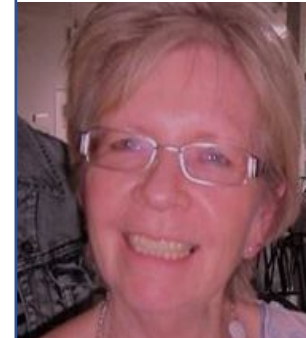
30 years in transport industry, including academia, consultancy, London Transport and TfL. Worked on Mayor's Transport Strategy, London Plan and led TfL transport modelling and forecasting team.

Neil Pitcairn



Retired international trade executive (publishing systems); served as trustee of educational charity Institute of Export; currently Surrey group coordinator for Greenpeace; director of UKWIN (UK Without Incineration Network) & representative to Zero Waste Europe; trustee of newly set up Circularity Foundation.

Janice Baker

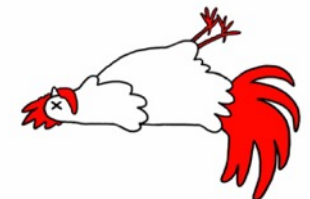


University lecturer in Politics and Community Development with 8 years teaching in Africa. retired. Runs language school, involved with Epsom Refugee Network, Mole Valley, Epsom & Ewell Green Party co-ordinator, active in Green Party Women, and Divest Surrey.

WG Members



A group of over 15 interested participants, who using Zoom conferencing, committed their time to exploring and understanding the climate change risks and the proposed SCC action plan to help address it.



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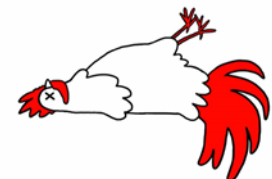
Appendices

Detailed Breakdown

Detailed breakdown of the summary provided by the Working Groups is available upon request.

Also see DCE initial response to SCC climate change strategy:

<https://dorking-climate-emergency.net/response-to-surrey-county-councils-climate-change-strategy/>



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