Green Champions lunchtime meeting
(March 2020)
Agenda

Climate Emergency update – Joel
Transport – Parvez
Sustainability update – David and Katherine
Q&A
Taking Action for Climate Emergency
Net-zero carbon emissions targets 2030/50

Green Champion Lunchtime meeting 31st March 2020
Joel Cardinal
Climate emergency declared

University and Student Union declared Climate emergency
University declared net-zero carbon targets

Net Zero Carbon Emissions scope 1 and 2 by 2030
- Use of energy e.g. research, lighting, personal equipment (laptop, chargers, consoles...)

Net Zero Carbon Emissions scope 3 by 2050:
- Created by other individuals/groups outside the direct control of the University but created because we exist e.g. student/staff travel, waste collected, procured goods and services

Net Zero = accept offsetting remaining of emissions
# Response to climate emergency

**Climate Emergency Task Force**

Carbon emissions (scope 1, 2 and 3) arise because organisations and consumers buy and use goods, services and mobility.

- Keep well below 2 degrees = need adapt practices and infrastructures

<table>
<thead>
<tr>
<th><strong>Engagement</strong></th>
<th><strong>Technical</strong></th>
<th><strong>Non technical contribution to Sustainable Society</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch from “convenient” to “just necessary” (resource use, space, mobility...)</td>
<td>Master plan work streams, carbon &amp; energy efficient campus</td>
<td>UN-SDG provide a framework for all actions including Education and research.</td>
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**Education for sustainable development**

- Concept of global citizenship
The university - Context

Zero carbon energy is only 25% of the solution

![Pie chart showing UoW carbon emissions scopes 1, 2 and 3]

- Student travel + Commuting + UoW business travel + Transport: 44,981
- Energy (scope 1, 2): 69,674
- Procured goods & services, including buildings and maintenance: 40,496

![Pie chart showing role of societal and behavioural changes in the Further Ambition scenario]

- Low-carbon technologies or fuels not societal or behavioural changes: 38%
- Measures with a combination of low-carbon technologies and societal or behavioural changes: 53%
- Largely societal or behavioural changes: 9%

Source: CCC analysis.
Taking Action @ Department level

University Carbon Emissions (scopes 1, 2, 3)

- Mobility: 1.0%
- Buildings construction & repairs: 3.4%
- Professional services: 6.4%
- Laboratories + Chemicals: 7.7%
- Computing - equipment & services: 21.2%
- Accommodations: 29.0%
- Food & Drink: 26.1%
- Paper, print, publish: 0.3%
- Energy (scope 1, 2): 0.5%
- Waste: 0.4%
- Water: 0.4%
- Water: 0.3%
## Taking Action @ Department level

<table>
<thead>
<tr>
<th>Scope 1, 2 3</th>
<th>Taking Action</th>
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</thead>
</table>
| Mobility ➔ Business travel | Reduce travel  
Video conferences |
| Mobility ➔ Commuting | Agile working  
Sustainable transport |
| Energy consumption | Switch off / frugality |
| Space (reduce 1,2 ,3 emissions) | Working to our space norms |
| Laboratories / Chemical | Share amongst teams  
Switch off / Close sash window |
| Professional services | Increase virtual meetings with consultants |
| Computing | One screen is enough?  
Keep equipment for longer |
| Waste | Waste less & well supports circular economy  
Reduce paper usage |
Next Steps

**Sustainability delivery in all department planning**
- Included in 2020 ARC process + raised at PSG
- Identify your department contribution to university sustainability strategy delivery
- Take action to reduce your department footprint (scope 1, 2 3)
- Identify KPI, set targets, report and celebrate progress

**Setting targets / Action plan**
- Energy and Sustainability can assist with data, agenda, actions

**Engage with your Green Champions**

**Support Green Action Teams**
University of Warwick
Transport Vision

Working with local and regional communities to support sustainable and inclusive growth to 2030 and beyond
Objectives

• Maximise opportunities for sustainable and active travel modes
• Reducing the number of single occupancy private vehicles to and from campus
• Limit environmental impact of the University’s activities
• These can be achieved through
  - Enhancing Regional Connectivity
  - Positive modal shift
“Last mile” connectivity is the major challenge that dictates the reliance of single occupancy private vehicle usage.

<table>
<thead>
<tr>
<th>Headline Sector</th>
<th>Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coventry area</td>
<td>16442</td>
<td>53.6%</td>
</tr>
<tr>
<td>Leamington / Warwick areas</td>
<td>6795</td>
<td>22.1%</td>
</tr>
<tr>
<td>Kenilworth area</td>
<td>951</td>
<td>3.1%</td>
</tr>
<tr>
<td>Stratford Upon Avon area</td>
<td>145</td>
<td>0.5%</td>
</tr>
<tr>
<td>Rugby area</td>
<td>140</td>
<td>0.5%</td>
</tr>
<tr>
<td>London</td>
<td>58</td>
<td>0.2%</td>
</tr>
<tr>
<td>Nuneaton area</td>
<td>39</td>
<td>0.1%</td>
</tr>
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</table>
Enhancing regional connectivity will better connect the University campus to the local area and beyond and provide opportunity and choice for all users.
Enhancing regional connectivity through road and rail infrastructure – including A46 strategic link road and a new University Railway Station.
Enhancing regional connectivity through road in Very Light Rail and extensive bus networks
Enhancing regional connectivity through improving movement across campus from multiple entry points to reduce traffic and improve the environment.
Enhancing regional connectivity through strategic mobility hubs to integrate with other modes of transport and transfer services on arrival on campus.
A transformed urban realm will improve wayfinding and create landmarks to help our community and visitors navigate campus without reliance on traditional transport, ensuring a more active, inclusive environment.
A modal shift in transport use will be enabled through promoting attractive technological alternatives to reduce congestion, support mobility and enhance the environment.
A positive modal shift can only be achieved by making the use of a single occupancy private vehicle the least preferential mode of travel but reducing the need to travel altogether will help cut down carbon emissions.
A transformed public realm and a seamless environment across campus will enable a modal shift by providing a more active, inclusive campus to prioritise pedestrians and cyclists.
Enhanced cycling networks and infrastructure along with making cycling safer for the average user will enable a modal shift by significantly improving staff and student use of cycling to, from and across campus.
Remodeling the current parking permit system along with improved car share and support for transition to driverless cars will enable a modal shift from single-occupancy vehicles.
SMART technologies will underpin all our infrastructure and transport developments to provide an adaptable and sustainable base for improvement.
Working with Transport for West Midlands to create multi modal opportunities for staff and students with technology to support that includes a “single” payment mechanism combined with incentives.
Working with West Midlands Combined Authority to join the University cycle scheme to their cycle network that includes Coventry and Solihull with further plans to join up Warwickshire to the same scheme.
Other things being considered include:

- Electric car/bike salary sacrifice scheme
- A single supplier electric charging network
- Electric public transport transition
- Feasibility of a clean air zone
- Radial zoning of modal access
All our developments are planned cohesively to ensure the most effective coordinated support to enhance regional connectivity and drive a modal shift in transport use.
Green Champions and Green Action

More than 200 staff over 50 departments
15 active teams with 3 interested departments/areas
Some society involvement through SocsMark
Voluntary role BUT recognition of opportunity to support senior management
Green Week – Green Action Teams

Library
- Healthy Mind, Healthy World
- Stationary Amnesty
- Pledge actions to go green

Chemistry, Physics, SLS and Uni House:
- Information stand and bake sales

Centre for Teacher Education:
- Litter pick
Green Week – Green Action Teams

ITS:
- Online quiz

Psychology:
- Campus walk

WMG:
- Meet the green alumni
- Research seminar
Green Week

28+ events - on and off campus
Spoke to over 500 people at our events
Engagement across region - Coventry Uni events + social media

8th- 14th March 2021 - www.facebook.com/GreenWeek2021
Recycle League

We were awarded Highly Commended for Engagement for the outstanding job at engaging staff and students and collecting the data.

We saw an increase in recycling

Need to keep going as people still uncertain around what goes in what bin – ask colleagues and students to read the signage.
25 Volunteers

520kg Food
5 x Eurobins of Misc

Coventry Food Bank, Leaminginton Winter Shelter and City mission
Warwick Cup

Started February
Curiositea
Borrow. Use. Return

@WarwickCup
Sustainability at home

- Bills (and water meters)
- Pension
- Banking
- Mortgages
- Reusable items (zero waste groups on fb)
- Make items/products e.g. surface cleaners
- Check what goes in your bin (Your Rubbish!)
- Learn a new skill
- Olio/freezers/food labels
- Local groups
- Diet
- GreenFinder.co.uk
Newsletter mini series

Aim to share uplifting news and ideas

Share your thoughts for interesting articles

Share with colleagues

warwick.ac.uk/environment/news/newsletters/