

# Climate Emergency in B&NES

**Wessex Community Energy Network**  
**5 February 2020**

# B&NES Resolution, March 2019

Bath & North East  
Somerset Council



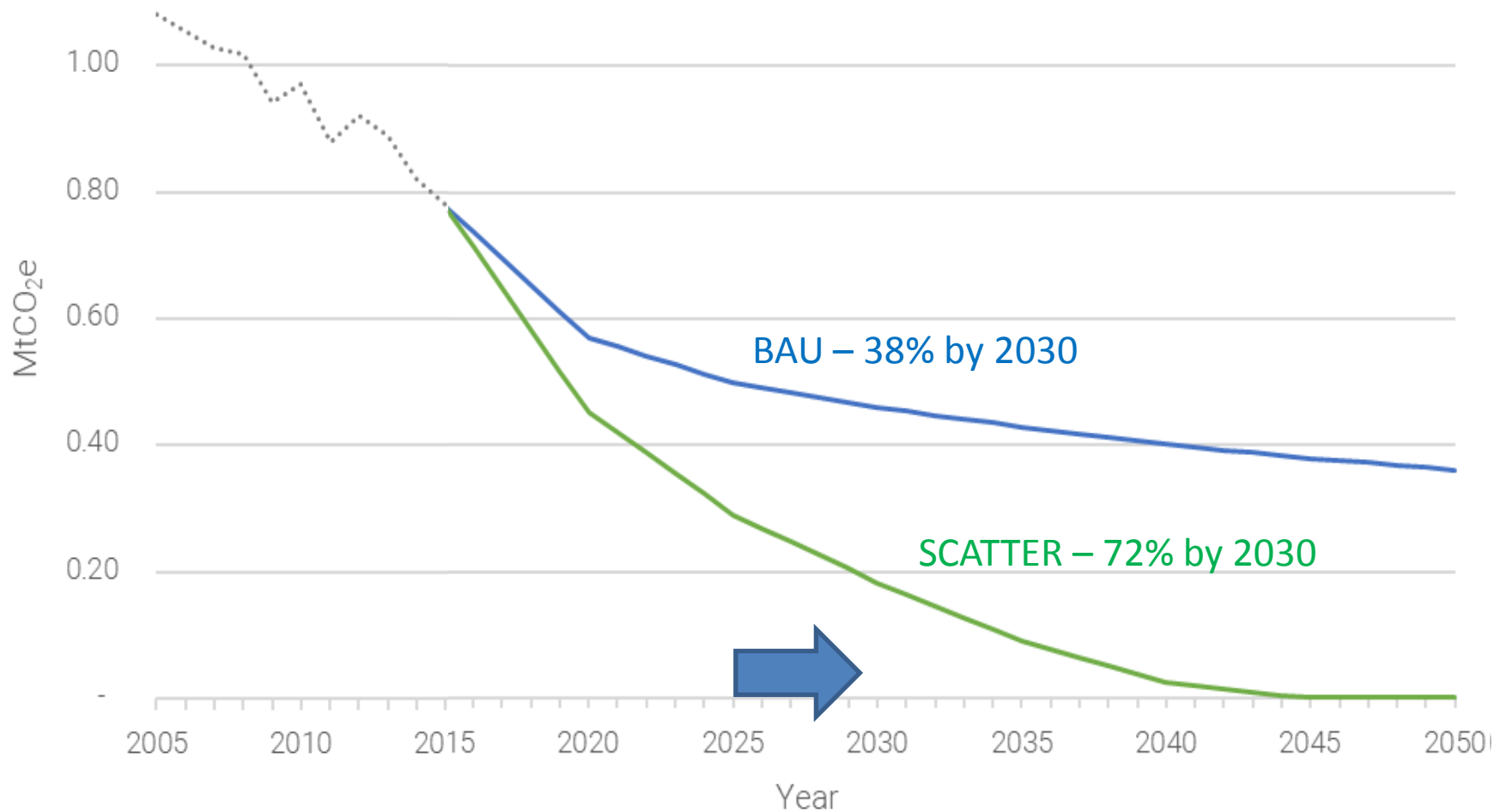
- Declare a **Climate Emergency**
- Provide **leadership** to enable carbon neutral B&NES by 2030

- District carbon emissions profile  
**(766,867 tCO<sub>2</sub>e pa)**
  - Energy use in buildings: **66%**  
(homes 38%; non-domestic 28%)
  - Transport: **29%**
  - Other: 5% (waste 4%; agriculture, forestry, other land use 1%)

- Consumption or '**outsourced**' carbon emissions (1,271,590 tCO<sub>2</sub>e pa) – *very provisional, limited data source, overlap with direct emissions*
- Further work needed on **carbon sequestration** and land use issues and the ecological or nature emergency (bio-diversity and nature recovery, pollinators, soil health and local sustainable food production)

# Future Emissions Trajectories

Bath & North East  
Somerset Council



- B&NES target - **100% by 2030**
- National BAU - **38% by 2030**
- **SCATTER Stretch Pathway – 72% by 2030**
- Based on **current technology** and market readiness assumptions
- Annual reviews will see changing context, assumptions and **narrowing of gap**

- Recommended **priorities** are based on the SCATTER Stretch Pathway
- Achievement of all and any target by 2030 or 2050 will depend heavily on **national and regional policy** and action
- Numbers indicate **scale and speed of action** needed, not hard targets – to start conversation on how to do it

## BUILDINGS

Energy efficiency of existing building stock:

- By 2030, **retrofit 65,000 homes** with a range of measures (eg 33,436 super-glazing installations; 43, 339 loft insulations)
- All new build to be **zero carbon** from now



## TRANSPORT emission reduction:

- **Reduce car and van mileage by 25% by 2030**
- Remaining cars: 76% EV; 14% petrol hybrid EV; 10% petrol/diesel by 2030
- Rail: passenger rail 100% electric by 2030; freight by 2050
- Road freight: assumed diesel, but subject to air quality/public health work underway

## LOCAL RENEWABLE ENERGY

generation: for example:

- Solar PV: **50% of homes with PV** roof by 2030 plus 116 football pitches worth of PV on commercial rooves and ground mounted
- Onshore Wind: **28 large 2.5MW wind turbines**

- Second stage of **action planning**
- Rolling out **community engagement** programme including **parish** toolkit and **community survey**
- Setting up new community **partnership**
- Setting up April **community** event
- Planning **citizen juries**
- Developing **new website**

- **Declare** a Climate Emergency and commit to helping us to decarbonise by 2030
- **Stimulate** the local conversation on the big picture and on local action
- **Organise** a local event to raise awareness
- **Develop** a local action plan (neighbourhood plan?)
- **Co-ordinate** with other local groups

- Ask some **questions**:
  - Is there a community building that could be made more energy efficient?
  - Is there scope for a local food growing project?
  - Is rural transport the main issue?
  - Are there renewable energy opportunities that could bring local benefits?

- Continued engagement on **regional leadership** and action (WECA, SW Energy Hub)
- And on **national collaboration and lobbying** (Green Alliance, Ashden, UK100, LGA, ADEPT et al) for powers and funding