

A Local Green New Deal for Brighton and Hove



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CLIMATE: CHANGE EVENT, BRIGHTON, 30 NOVEMBER 2023











- What do we mean by a 'Local Green New Deal'?
- What are key areas for action?
- Evidence Survey and focus group in Greater Brighton region show citizens do value these benefits, though how they are implemented matters
- Policy recommendations for implementing energy demand reduction measures
 - What action is needed at the national level to enable this through new powers and funding?
 - What can be done now at the local level?







Green New Deal: core elements

We reviewed a large amount of material to understand the origins and features of the UK GND This review identified 5 core features :

- 1. financial reforms;
- 2. green infrastructure investment;
- 3. financing the GND;
- 4. ownership structures;
- 5. economic, social and climate justice

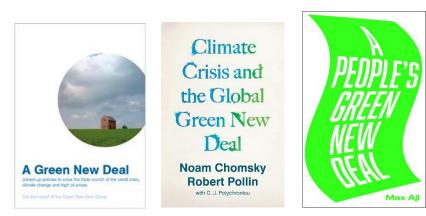
Brown et al (2023), The Green New Deal: historical insights and local prospects in the United Kingdom (UK), Ecological Economics, 205, 107696





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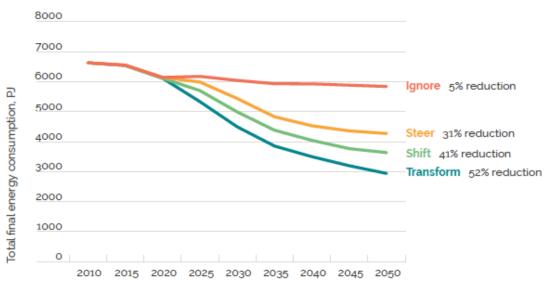






- Delivering net-zero could mean an >50% reduction in energy demand
- Most energy saving activities must be devised and delivered locally
- This will require radical policy reforms and increased devolution in the UK

CREDS Positive Low Energy Future (PLEF) scenarios



Source: https://low-energy.creds.ac.uk/









We propose "Local Green New Deals" as a unifying policy strategy for this

- 1. Cheaper, warmer, zero carbon homes
- 2. Affordable, sustainable public transport
- 3. Car-free city centres and active travel
- 4. Expanding green spaces and nature restoration









Cheaper, warmer, zero carbon homes

	Nationa	National goals		ighton			
		Almost all homes are EPC C or above by 2035		Homes are retrofitted			
100 00	C		46,000	Households lifted out of fuel poverty			
	53%	Energy efficiency & heatpumps reduce CO₂ emissions	5,000	New retrofit jobs created			
			£4.84bn	Bill savings by 2045			
S digita	AL SOCIETY	NEW ECONOMICS FOUNDATION	For a Low Carbon Fully	www.c			



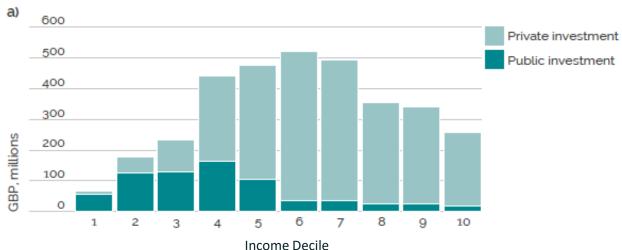
Home retrofit: public vs private investment

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- Blended Finance model
 - Public Investment £286,300,000
 - Private investment
 - £2,650,200,000



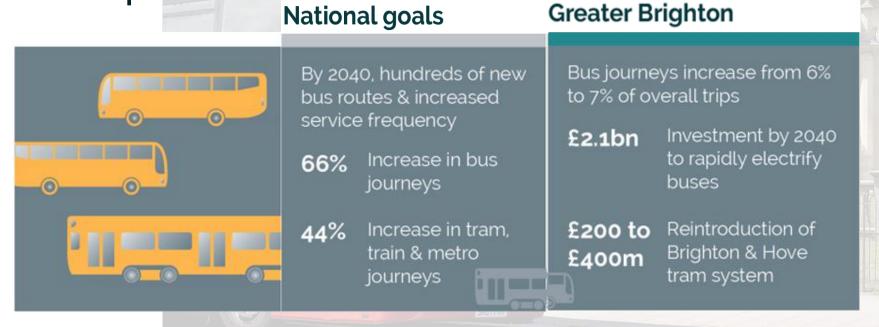
Energy

Greater Brighton



Affordable, sustainable public

transport



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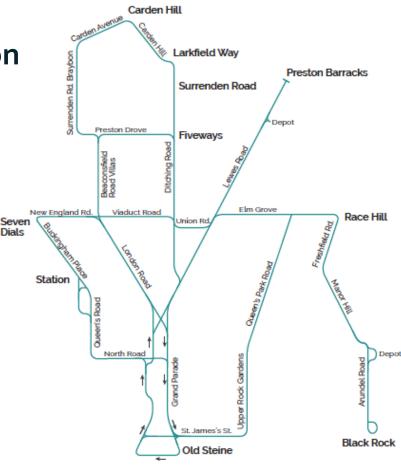






Rapid transit/ light rail expansion

- Reintroduction of trams in Brighton and Hove?
- Systems in similar UK cites have cost £ 200- £ 400m









Car-free city centres

and active travel

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National goals

Greater Brighton

Pedestrianisation, expanded cycle lanes & improved public transport

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21% Reduction in car journeys

225% Increase in walking & cycling

Estimated investment in bikes & cycling infrastructure: £610m

33%

Car & van journeys decrease from 55% of all trips by 2040

20%

Walking increases from 6% of all distance travelled by 2040

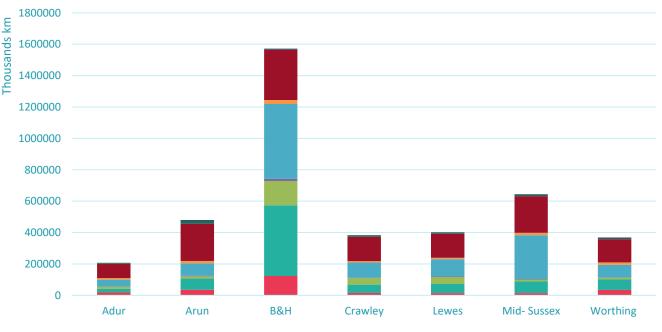








- Huge expansion in walking and cycling
- Significant reduction in volume & proportion of journeys taken by car



2040

■ Bicycle ■ Walk ■ Bus ■ Tram/Metro ■ Train ■ Motorbike ■ Car/Van ■ Car Passenger ■ Taxi ■ Other mode









Expanding green spaces and

nature restoration

National goals

Greater Brighton



218.8Mt

Cumulative carbon sequestered by 2040 using broadleaved native woodland

2,338km²

Land required

800ha Required to deliver the local share of afforested land

£11m In carbon credit payments by 2040

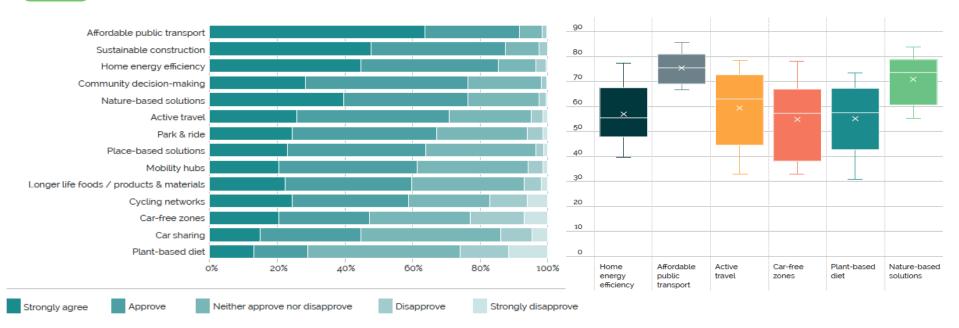






					Afforested Land (Ha)		Carbon S Costs	equestration	
Afforestation scale			Adur	Adur		32 29,626		£444,388	
			Arun	Arun		178 166,7	02	£2,500,526	
			Brighton a	Brighton and Hove Crawley Lewes Mid Sussex		44 40.9	07	£613,608 £144,764 £4,056,211 £3,439,891	
& costs		Crawley	10 9,6			551			
		Lewes	289 270,4			14			
			Mid Susse			245 229,3	26		
		Worthing			9 8,3	8.355			
				Greater Brighton Total		807 754,9	81	£11,324,710	
a)	1000	00		£/ha		£1			
	32	178	44	10	289	245	9	807	
-	o Adur	Arun	Brighton & Hove	Crawley	Lewes	Mid-Sussex	Worthing	Total	
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How popular are these measures?



Survey with n= 343 Greater Brighton Residents

Detailed focus group with 25 residents



DIGITAL SOCIETY





Cheaper, warmer, zero carbon homes

Current action

- The Greater Brighton Economic Board (GBEB) set up a Retrofit Taskforce in 2021 to make all council homes zero-carbon by 2030.
- BHESCo home visits to assess what can be done to improve thermal comfort and cut energy costs
- Eastbourne and Lewes councils are working with AECOM and Robertson Projects - research into programme delivery and bulk purchasing.







Cheaper, warmer, zero carbon homes

Key recommendations

- A 10-year Local Retrofit Delivery Framework supporting regions to set up a Retrofit Taskforce and local one-stop shops, backed by grant and interest-free funding.
- A nationwide citizen engagement campaign to engage the public on the retrofit challenge.
- New training courses and apprenticeships for retrofit tradespeople.
- Local government should support community organisations & should also establish a direct labour organization.

NFW

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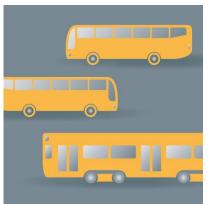


Affordable, sustainable public transport

Current action

- Major funding is determined by the Department for Transport in response to bids from each transport authority
- In Greater Brighton, there are three transport plans in place one produced by each transport authority.
- Currently, buses in Greater Brighton are run by private operators on a for-profit basis.
- DfT additional funding cut from £3bn to £1bn to support Enhanced Partnerships

NFW/





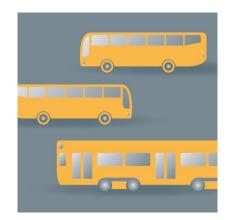
Affordable, sustainable public transport

Key recommendations

- Review the functional geography of transport authorities and integrate rail and regional transport planning.
- Give control over buses to all transport authorities. Lift the ban on setting up municipally-owned bus operators and move towards a not-for-profit system.
- Devolve the powers for setting up rapid transit systems to local government.
- Give local areas the ability to tax large local employers for rail infrastructure.

NFW

Reform appraisal tools for large capital projects.





Car-free city centres and active travel

Current action

- Split responsibility for highways and planning and parking in two-tier areas.
- Local government has the power to restrict vehicle traffic by means of a traffic restriction order (TRO) to create schemes such as Low-Traffic Neighbourhoods, such as the much contested one in Hanover and Tarner.
- Cycle lanes exist across parts of the city.









Car-free city centres and active travel

Key recommendations

- Central government lays out a clear vision for low-traffic town and city centres, with LTNs made less difficult and expensive to implement.
- Require national highways to work with local government to tackle emissions.
- Radically reform appraisal tools for large capital • projects, to properly capture the benefits of active travel and public transport.
- Empower and fund local development corporations to develop transport-led housing.







Expanding green spaces and nature restoration

Current action

- Brighton & Hove councillors have agreed a plan to plant thousands of young trees in the city every year funded from a £1 million grant from the council's Carbon Neutral Fund and funding from UTCF
- The Trees for Cities' forgotten places project is part of a widespread program to plant thousands of trees in Brighton and Bexhill





Expanding green spaces and nature restoration

Key recommendations

- Create a national Land Use Framework that amends property rights such that landowners must comply with agreed uses for agricultural and rural land.
- Reform UK food systems to empower farmers to take better care of their land.

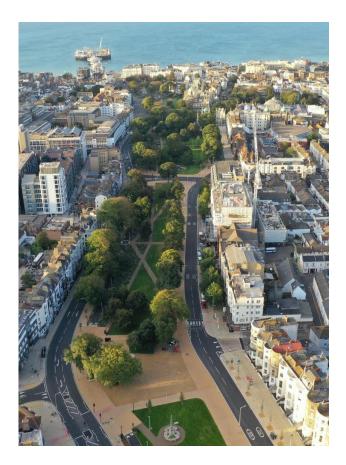
- Make the Land Register free to access for all.
- Shift agricultural subsidies to reward farmers for increasing biodiversity and carbon sequestration.





A Local Green New Deal for Brighton & Hove

• What do you think should be included in a Local Green New Deal for Brighton & Hove?











Read the report:

https://www.creds.ac.uk/publications/local-green-new-deals-atransformative-plan-for-achieving-the-uks-climate-social-and-economicgoals-locally/

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Local Green New Deals: A transformative plan for achieving the UK's climate, social and economic goals locally

December 2023

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