



Future Directions...?

# So far Sheffield Renewables have...

- Raised nearly **£300k** in community shares
- Installed **4 Solar PV schemes**
- Generated **860,000 kWh** of renewable electricity
- Generated **£230k** revenue
- Returned **£48k** capital & **£24k** interest to community shareholders
- Raised **£13k** in our community benefit fund - helping tackle fuel poverty locally
- Saved **351 tonnes** of CO2
- Helping local orgs **save £ on electricity bills**

We've generated enough 'Made in Sheffield' renewable electricity to brew...



**We want to do more & scale up. Act on Sheffield's climate emergency declaration. Support a green local recovery. Benefit the city's environment, society & economy**

# National Community Energy Context

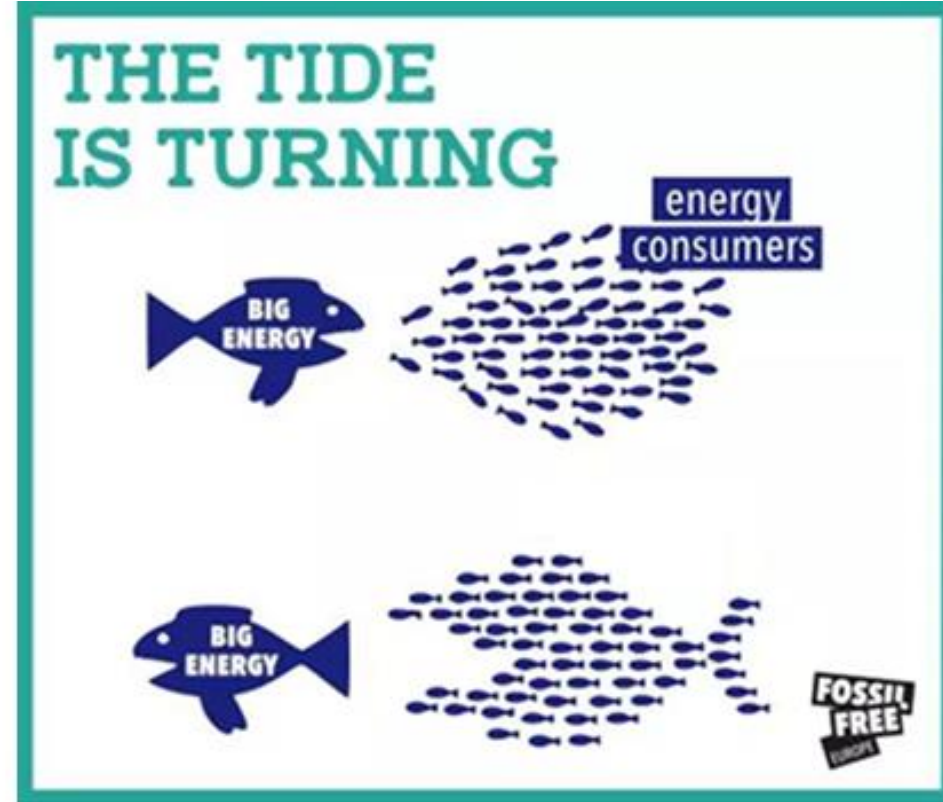
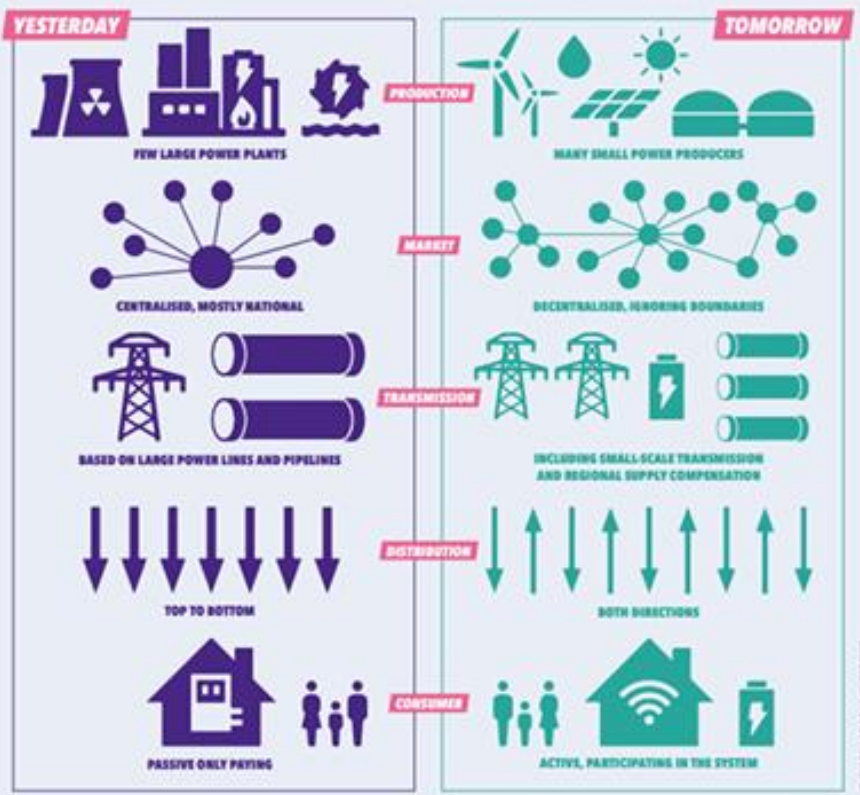
## BAD...

- **Unstable** national support (policy/subsidy) + regional/local lacking
- New community energy activity **stalling** compared to previous growth
- **Covid**

## GOOD...

- **Resilient** - still projects in development and community shares being issued
- Transforming, decarbonising & decentralising energy system - **bring energy closer to the community**
- **New community energy business models still emerging**
  - Innovation - flexibility, demand, storage, EV, EE, digital, regulation
  - Partnerships
  - Funded development
  - Often requires large investment of time and expertise upfront
- Where support & partnership at local level = **successful community energy projects**

# Direction of travel is in our favour



# Our Future Directions

## Short Term...?

- Subsidy free PV still possible *if conditions right*  
**electricity used on site + negligible reduction price = PV model still viable**
- We are continuing to work to **identify potential project sites**
- Partnerships - **new links, opportunities, funding**
- Our offer to partners as ever is **low risk & low cost**
- SCC Climate Emergency Declaration in Jan 2019 (Action?)
- Sheffield Climate Alliance - Partnership for Climate Action

Thanks @\_OliviaBlake 🙌 4 mentioning us & supporting @Power4PeopleUK @BenMLake in #LocalElectricityBill debate- need 2 empower+support #CommunityEnergy 2 strengthen local economies & tackle climate change at both national & local level @mark4burngreave @ShefClimateNews @Comm1nrg



## Community Wealth Building (CWB)

Community energy combines the community wealth building pillars of pluralising the local economy, socially productive use of land & property, & making financial power work for local places, and has the potential to meet the energy needs of local anchors and neighbourhoods



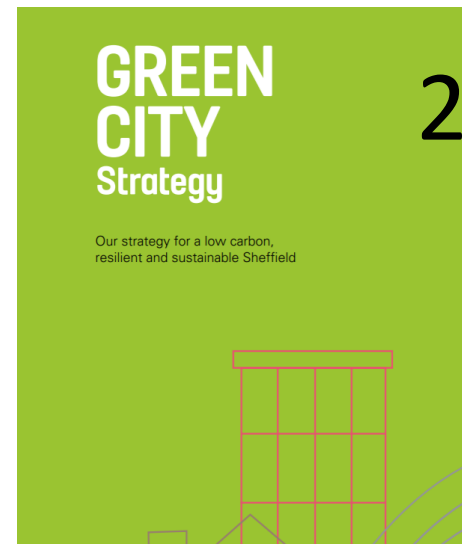
tackle climate emergency & address inequalities

Local Electricity Bill - remove barriers for local generators become local suppliers





2016



2018

2019

Sheffield is now the largest UK city to declare 'climate emergency'

Labour councillors have brought their carbon neutral targets forward and declared a 'climate emergency' after new research warned of the catastrophic consequences of global warming.

By Molly Williams

Wednesday, 30th January 2019, 2:16 pm  
Updated Wednesday, 30th January 2019, 2:18 pm



2021



The first step on Sheffield's journey to zero carbon

27 January 2021

*'Pathways to Net Zero'*

# Our Future Directions

## Long Term...?

- **Robust** - volunteer run, low overheads, low risk, can maintain core operations
  - **We want to do more** - to benefit Sheffield - environment, society, economy
  - Complex picture - **opportunities in changing energy system**
  - **New business models emerging** - opportunity to learn & adapt
  - **Gap/Need** - policy, support, leadership, funding @ national & local levels
  - **People** - commitment, knowledge, expertise, networking, capacity
  - Technology & Funding - **not necessarily obstacles**
- 
- **SITES**; partnerships, relationships, collaboration, & opportunities are key to scaling up - large anchor organisations, institutions, organisations, businesses & communities



## Sites... *ROUGHLY* what are we looking for?

- Roof space
  - min 200m<sup>2</sup> roof space
  - Ideally sloped
  - non shaded
  - preferably southern orientation
  - structurally sound
- Not listed/conservation zone
- Fully owned or long term (10 + years) lease on the building
- High daytime electricity usage
- Commitment to reduce CO<sub>2</sub> & benefit Sheffield
- A friendly contact







**NHS**  
Sheffield Teaching Hospitals  
NHS Foundation Trust

  
YorkshireWater

**Sheffield  
Hallam  
University**

 Stagecoach  
**SUPERTRAM**



The  
University  
Of  
Sheffield.

**Sheffield**  
City Council



**SCHOOLS**

Data Centres  
Manufacturing

Care Homes

Refrigeration

Food Production

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# 2030 Vision

Community energy will create an energy system that is democratic, decentralised, and decarbonised, where people are at the heart of the transition

12-20 times larger

contribute 5,270MW

power 2.2 million homes

support 8700 jobs

save 2.5 million tonnes of CO2 emissions

add £1.8 billion to the economy

YOU can get involved to help  
deliver this impact

