



A Vision for Burnside

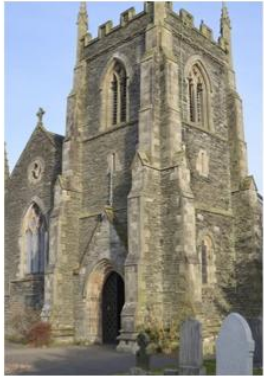
18 JUNE 2015

Burnside Community Energy

Our experience so far...

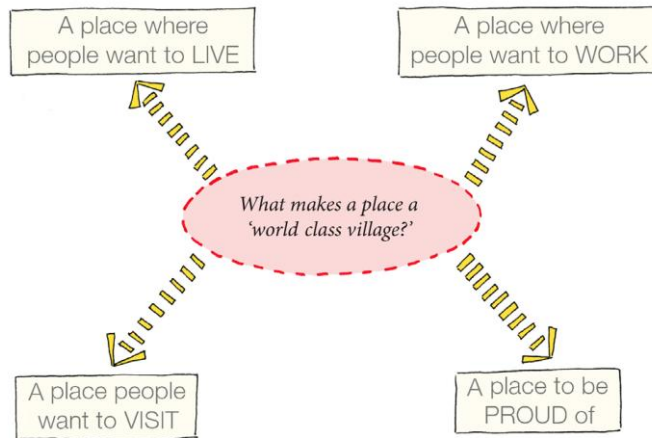
Gill Fenna
1st February 2019

Burneside



BCE Background

- Developed out of Vision for Burneside:
 - “opportunities to harness renewable energy for local benefit”



- Linked into Neighbourhood Planning
 - Local Plan includes 180 new homes in village of 2,000
- Important support from James Cropper plc
- BCE incorporated November 2015

Projects

- 2015: 250kW PV on a roof of James Cropper PLC
- 2019: Further 500kW PV project with James Cropper
- All electricity sold to Mill
- £580,000 raised in shares
- 103 members
 - most live within 10 miles
- £5,000 in community benefit so far



BURNSIDE COMMUNITY ENERGY

£330,000 Share Offer

Opens Wednesday 24th October 2018
Closes Wednesday 21st November 2018 or when target reached

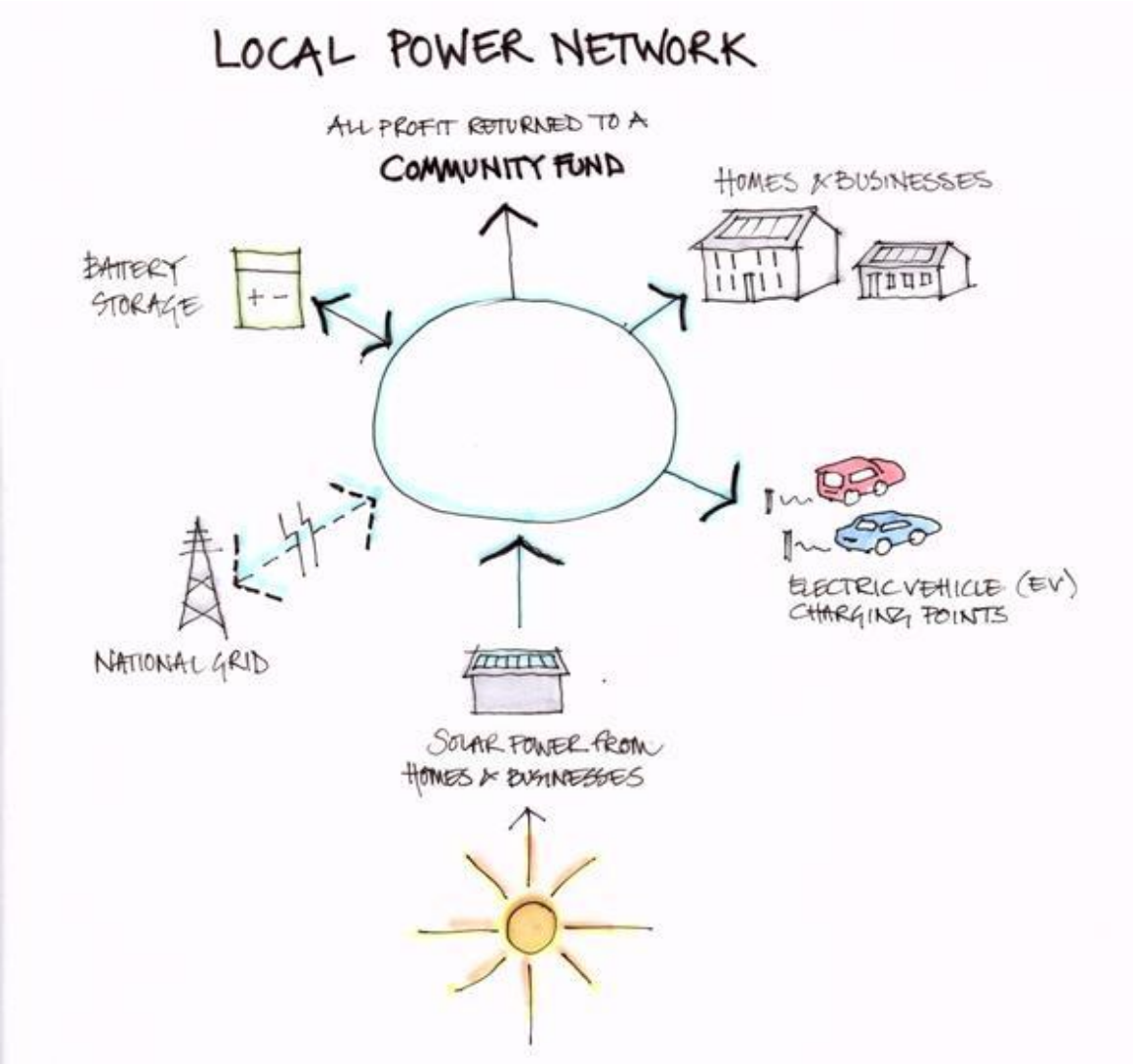
Minimum Share £250;
Maximum Share £50,000

4.7% Projected Annual Interest Payment over 20 Years

Ambitions: More than just PV...

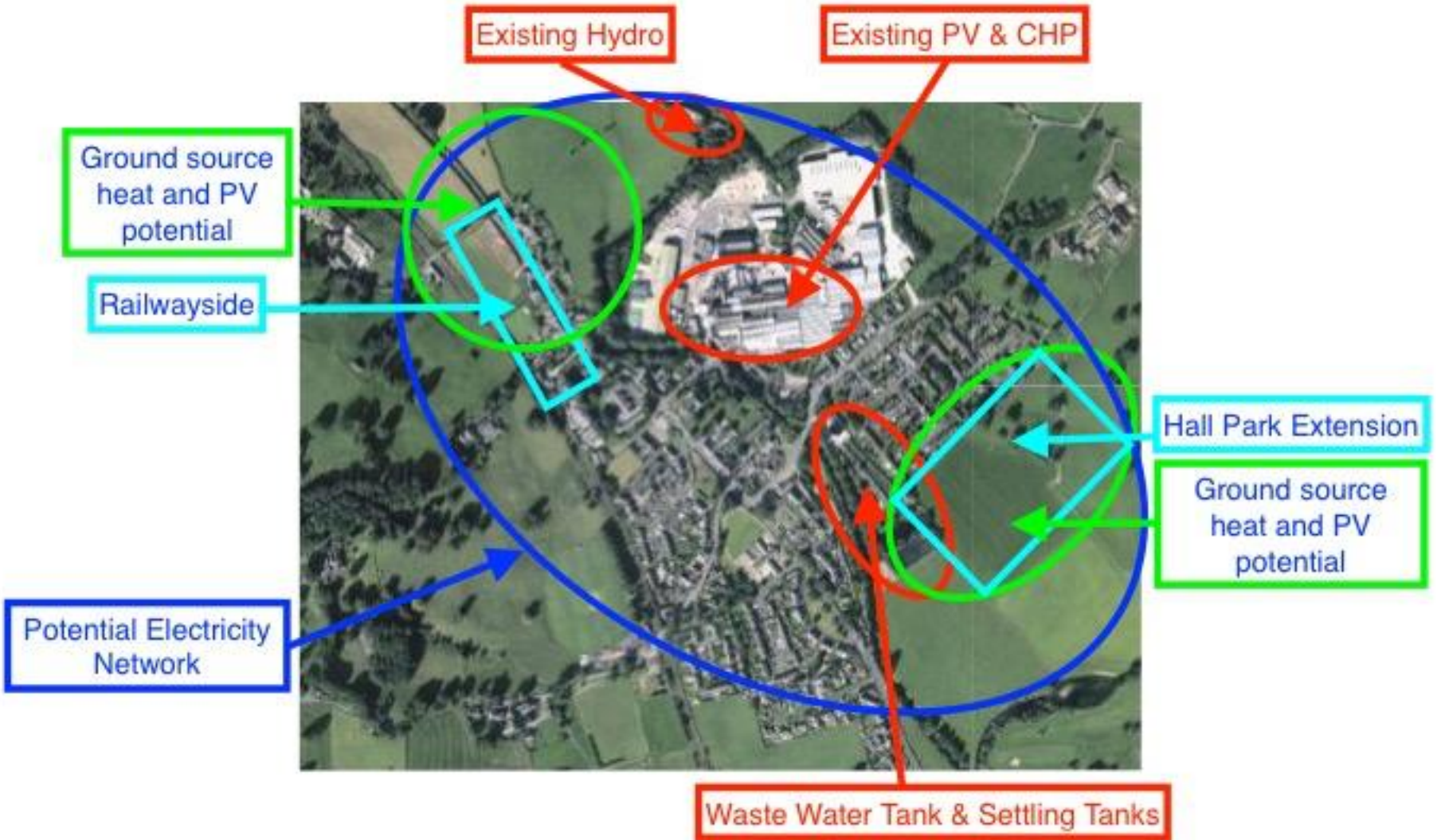
- Community owned and managed local energy network, providing renewable heat and power to homes in the village
- Retaining spending within village economy
- Leading demonstration of the capacity of a village to take charge of its own low carbon future
- Initial feasibility for district heating funded by RCEF – electricity is more viable

Local Electricity Supply?



The Proposed Project

- A **private wire** electricity network linking all the new homes, and the renewable electricity supplies, and extending across the village
- **Solar PV** on new homes and ground mounted
- **Electric vehicle** charging points
- **Heat pumps** supplying the new homes (possible district heat network)
- Electricity and heat **storage**
- Smart electricity and heat **metering**



Issues and Options

- Maximising use/value of local generation – direct sales, controls, storage, demand management?
- Private wire vs use of grid
 - New homes: probably private wire
 - Existing homes: possibly Energy Local model?
- Use of surplus electricity from James Cropper CHP?
- Responsibilities of BCE as a supplier – maintenance, management, billing, customer service, reporting
- Organisation structure – customer co-operative?

What next?

- Involved in housing design team
- ENW Powering Our Communities Grant: technologies, energy balancing, controls, contracts, business case
- Lessons from elsewhere: Lancaster Cohousing, Eigg, Sark
- Learning from Energy Local
- Developing organization capacity

Can we get local benefits from the future energy infrastructure?

