



Battery power,
'The Future is here'
Presented by Robert Smith.

Berneslai Homes

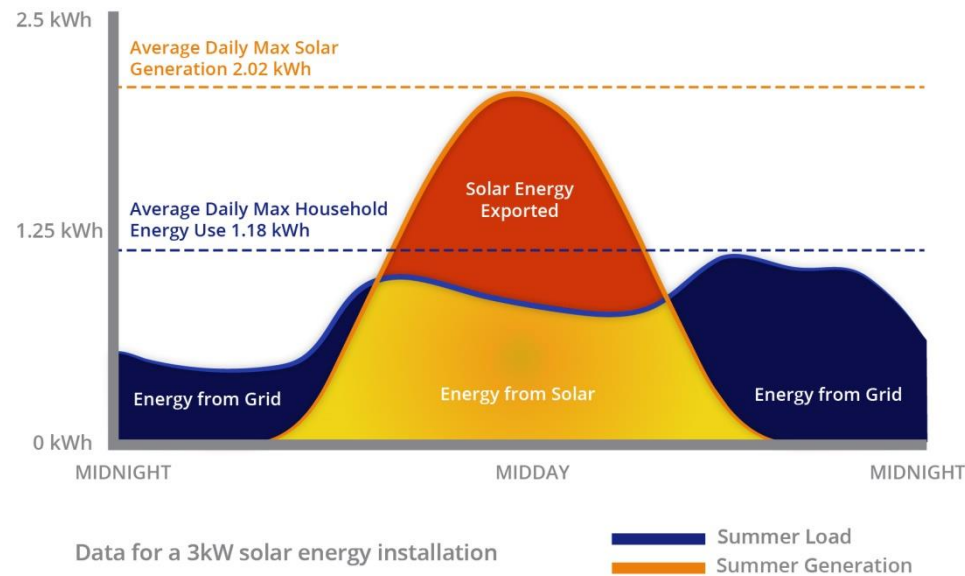
- ALMO 2002
- Barnsley Council
- 18,500 properties
- Construction services

Partnership working

- Berneslai Homes
- Energise Barnsley
- Northern Power Grid (DNO)
- Tenants

Solar PV.....

- Generates energy from the sun
- Reduces green house gases
- Unused energy generated is returned to the grid



What can be done?

- Why should this go back to the grid
- Capture the extra energy
- What effect does this have on the DNO?

Solar at Berneslai Homes



A fresh approach to people, homes and communities



Solar at Berneslai Homes

- One estate has 80% of the properties fitted with solar
- DNO class this as a “small power station”
- Installation of batteries
- Could this be the answer?

Battery scheme

Partnership created

- Energise Barnsley
- Northern power grid
- Moixa
- Berneslai Homes
- Tenants



Who benefits?

- Northern Power Grid (DNO)
- Tenant's with solar
- Tenant's without solar
- The environment

The scheme

- New venture for Berneslai Homes Construction Services
- March 2017
- 40 properties at the Willows
- Training by Moxia

Initial issues

- Internet connections (Lack of fibre optic)
- Updating software changes on SD cards supplied by Moxia.
- Ensuring that tenants is on the right tariff for no-solar installations
- Tenant confidence in the system

Follow on work

- Return to site to hard wired internet connections from the router to the battery.
- Change in tenancy and internet connections lost.
- Further software changes on SD cards supplied by Moxia required.

Where we are now

- Stabilisation of load on Northern Power Grids network
- Fibre optic internet has been installed in the area
- Reduction in energy bills and credits for over payments
- Upgrades to batteries by Moxia
- Reduced greenhouse gases

Questions



From



To

A fresh approach to people, homes and communities

