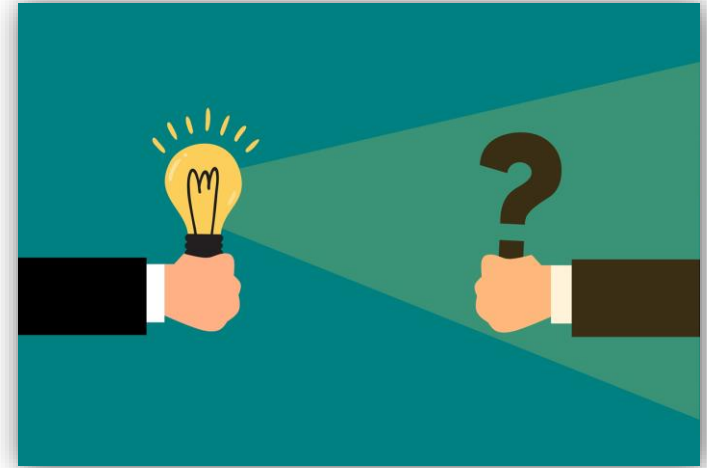


Powering Up Volunteer Event

13th October 2021

Agenda

- What is Powering Up all about?
 - Questions
- What volunteering opportunities are there?
 - Questions
- What's in a name?
 - Questions
- Upcoming Events
 - Questions
- Meet the Team



What is Powering Up all about?

Powering Up and Down

Energy Alton has adopted a twin track approach to its activities:

- **Powering Down:**
 - Decreasing the amount of energy used overall
 - **Community Services**
 - Home Energy Surveys
 - Thermal Imaging Surveys
 - Free Energy Advice - heating, insulation, lighting etc
 - Promote climate crisis awareness
 - **General**
 - Promote sustainable development and local government policy
- **Powering Up:**
 - Increasing the proportion of renewable energy used
 - **Community Renewable Projects**
 - Energy Mapping (with National Energy Foundation)
 - Library 10kW Solar PV (2013)



Who We Are: Powering Up

- We are currently part of Energy Alton
- We have been set up to focus on **Powering Up** projects on behalf of Energy Alton
- We will become a community co-op:
 - A separate organisation, but still closely linked to Energy Alton.
 - To be set up during the planning phase of the first renewable energy project.
 - Business model to be decided but likely to be a Community Benefit Society (Bencom):
 - The purpose of a community benefit society is to serve the broader interests of the community, in contrast to co-operative societies that serve the interests of members.¹
 - A Bencom's business must be entirely for the benefit of the community.
 - Run democratically, usually on a one-member-one-vote basis.
 - Any profit made by a community benefit society must be used for the benefit of the community.¹
 - Community benefit societies must only use their assets for the benefit of the community.¹

Vision

The Energy Alton Powering Up project exists to cut carbon emissions in Alton and local villages¹ by replacing a significant² amount of locally used carbon intensive energy with renewable energy that is generated locally³ and which benefits the local community⁴. It will also work to inspire and promote the infrastructure and cultural changes required at a local and national level in order to effectively tackle the climate crisis.



Why is this important?

- The Climate Change Committee has forecast that a shift in low carbon technologies (LCTs) could almost treble the demand on electricity networks by 2050.
- Scottish and Southern (our local Distribution Network Operator) estimates that by 2050 they will supply:
 - 5 million EVs
 - 2.5 million heat pumps
- More local renewable generation will provide more local energy security.
- This is a great opportunity to benefit the local community.

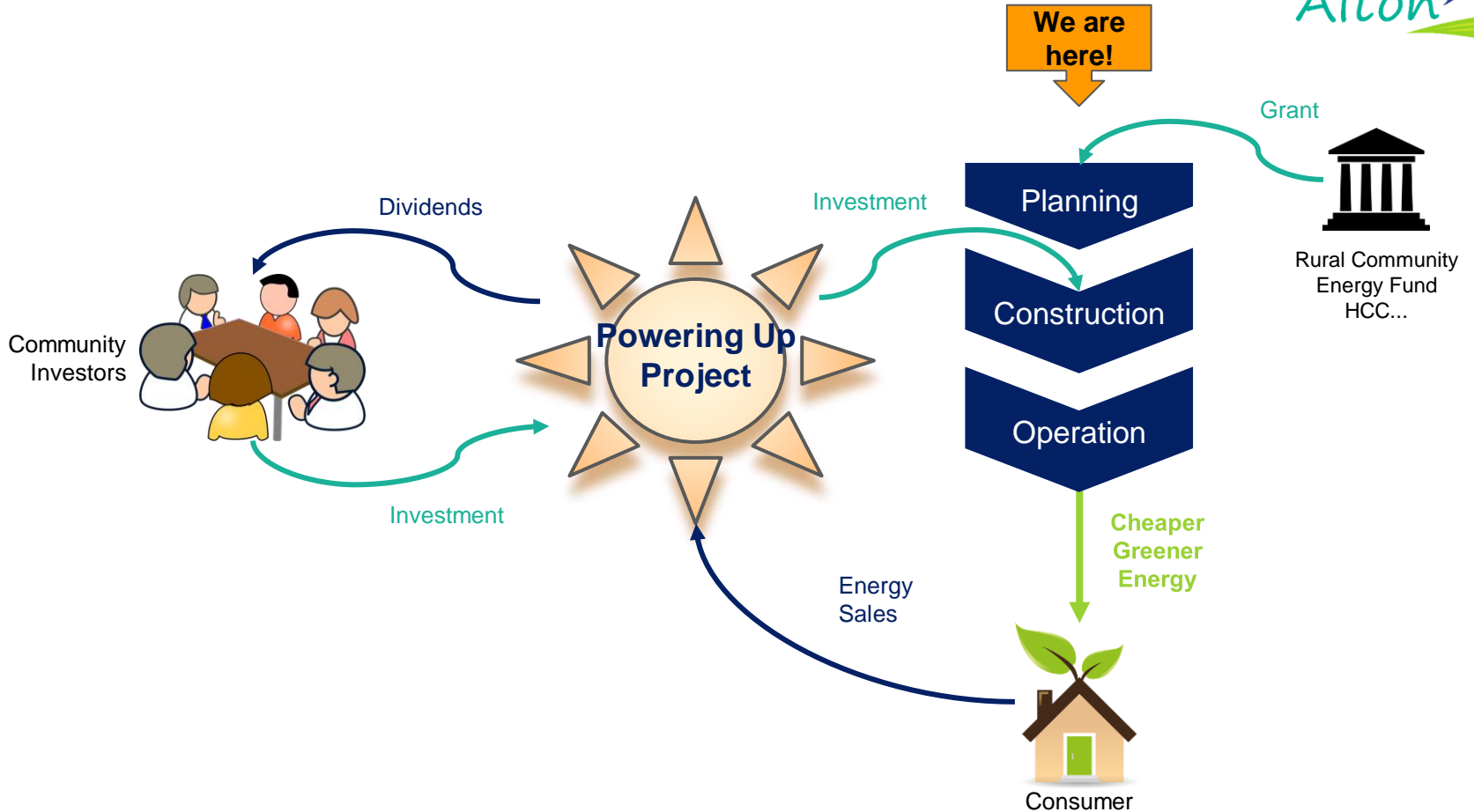


Mission

The Energy Alton Powering Up project **identifies, implements and manages schemes** to supply **locally generated renewable energy** to public, domestic, and commercial buildings **within Alton and local villages.**

We achieve this by identifying high energy users, community organisations and other interest groups; working with them, and with ACAN and their network to **design, fund, implement and manage schemes through a Community Benefit Society**¹. Any profits generated are used for the benefit of the local community.

How Powering Up Works



What types of projects will we implement

- Renewable energy generation:
 - Solar Photovoltaic (PV)
- Renewable heating
 - Ground source heat pumps
 - Air source heat pumps
 - Communal heat networks
- Novel multi-technology approaches
 - Electric Vehicle charging infrastructure
 - Multi-tenancy solar PV schemes



https://en.wikipedia.org/wiki/File:Luckie_St._Solar_Panels.jpg



<https://www.geograph.org.uk/photo/430596>



https://commons.wikimedia.org/wiki/File:Outun_it_of_heat_pump.jpg

Prospective Initial Projects

After consideration of a number of potential projects over several months, we have selected 4 prospective projects to take forward for feasibility studies:

- **Community Centre Heating**
 - Replace heating with air or ground source heat pumps
 - Possibly install solar PV
 - Provide cheaper, carbon free heating to a community organisation
 - Possibly provide solar powered EV charging points
- **York Mews Solar PV**
 - Install up to 130kW of solar PV at York Mews
 - Provide cheaper, carbon free electricity to York Mews residents
- **Thedden Grange**
 - Replace heating with air or ground source heat pumps
 - Possibly install solar PV
 - Provide cheaper, carbon free heating to Thedden Grange residents
- **Industrial Unit Solar PV**
 - Install solar PV onto an industrial unit in Alton
 - Provide cheaper, carbon free electricity to the business

Community Benefits

What benefits will the Powering Up project bring to the local community?

- Contribute to tackling the climate crisis
 - Replacing carbon intensive energy with renewable energy
 - Generate renewable energy locally, reducing transmission losses
- Provide local jobs through using local installers
- Provide cheaper energy to local residents and organisations
- Profits will go towards new projects and other community benefits
- Create a new community owned and directed organisation to install and own renewable energy projects
 - Provide local control over renewable energy projects.
- Provide a financial return to local investors
- Demonstrate technology and business approach to providing solar PV to multi-tenant residential properties.
- **Other benefits as voted for by the membership...**

What volunteering opportunities are there?

How can I get involved?

- **Express your interest**
 - Complete the [online survey](#)
 - This will help us to secure an RCEF Grant
 - It will give us confidence that we will have the support that we need to proceed
- **Invest**
 - When we are ready to build each project we will need community investors to fund construction.
 - Investors will:
 - Gain a vote in the way that the co-op is managed
 - Be eligible for interest payments, expected to be c2-5%
 - Contribute to locally generated renewable energy for local people
 - Contribute to tackling the climate crisis
 - If you think you may be interested in investing in future please [register your interest now](#) so that we can have the confidence that we will have sufficient investment.
- **Contribute ideas for new projects**
 - Once our initial projects have started we will be looking for new ideas for more projects. The more of Alton's energy that is generated [sustainably and locally](#) the better!
- **Join the committee**
 - Help us to engage further with the community
 - Help us to secure funding and get the projects off the ground
 - Complete the [online survey](#) or email energyalton@gmail.com

How can I get involved?



- **Join the committee**

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Committee Support

- Support publicity events
 - Stand
 - Leaflets
- Wider Publicity
 - Newsletter
 - New website
- Admin
 - New cloud file storage and accounts
 - ...
- Committee
 - Attend meetings and help us to make (the right) decisions!
- New Coop
 - Help set this up:
 - Registration
 - Bank account
 - ...
 - Directors needed!
 - Treasurer
 - Secretary
- **Anything else you think we might have missed!**

What's in a name?

Current Contenders

1. New Power for Alton (NPA)
2. Powering Alton 2025 (PA?)
3. Energy for Alton (EfA)
4. Alton Community Renewables (ACR)
5. Alton Community Energy (ACE)

Upcoming Events

Events

Four Marks & Ropley Gurney Cub pack night - 15th Nov

- Renewable energy

Alton Christmas Markets:

- 20th November
- 27th November
- 4th December
- 11th December

Your help is requested to crew these stands

Events in 2022 - watch this space...

Meet the Team