Who are Plymouth Energy Community?

Three core energy goals:
• Reducing energy bills
• Improving energy efficiency
• Generating a green energy supply

Fuel debt advice service cleared over £225,000 from about 400 households

Assisted 300 homes with external wall insulation grants

Provided advice to over 2000 households.
INVESTING IN COMMUNITY ENERGY
INVESTORS

Investors earn up to 6% per year for 20 years and have a say in how PEC Renewables is run

Investors invest same money into PEC Renewables

PEC RENEWABLES
NOT-FOR-PROFIT CO-OPERATIVE

Solar PV panels make electricity from the sun

PEC Renewables installs solar PV panels and earns income from the Feed-In Tariff and electricity sales

Schools/businesses get cheap electricity

Plymouth Energy Community
Surplus funds from PEC Renewables are used by Plymouth Energy Community to give residents the power to transform how they buy, use and generate energy in the city
• Two rounds of installs 2014 - 2016
• £1.45 million community shares
• 319 investor members
• £0.9m finance
• Solar roofs on 32 schools and community buildings
• 2MW clean energy
Plymouth’s largest solar roof
“Reducing our energy costs will mean we have more money to target on children's learning.”

Nigel Sparrow, Headteacher, Mary Dean C of E Primary School
Ernesettle Ground Mounted solar array
Ernesettle Community Solar

- Already produced 3,153 MWh clean power and saved 1,558 tonnes of carbon
- 18 acres of wildflower meadow
- 2 bug hotels
- Over 500m native hedgerow and tree species planted this winter
- Ongoing community engagement
33 Community owned solar arrays

£90,000 p.a. savings to schools and organisations

72,500 Tonnes of CO₂ saved over lifetime of arrays

16,000 Solar PV panels on derelict land

that's equal to taking 15,200 Cars off the road for a year!

£2,900,000 Estimated community benefit

18 ACRES Bug friendly wildflower meadow established

1,525 Members of PEC and PEC Renewables

52 Volunteers trained

£155,267 Fuel debt cleared

Over 11,200 Households helped

Saving over £341,000 off annual fuel bills

£600,000 income to Four Greens Community Trust

1 YEAR of volunteer time

7 New jobs at PEC

1 YEAR of volunteer time
LED lighting

PEC has helped a number of sites this year to access Salix 0% government energy efficiency funding to upgrade lighting to LED.
Projects in Development

Subsidy free solar

Community Storage?
Renewable Heating
PEC R ↔ PEC

PECR project delivery:
- Community benefit payments
- Asset management
- Project development

PEC’s sustainability:
- Staff retention
- Critical mass
- Cash Flow
PEC building expertise around:

- energy efficiency
- low carbon generation
- fuel poverty case work

Engagement with/ facilitation of changing energy system