

Smart Energy Marketplace

28 March 2017

The Energy Local Perspective

Tom Parkinson



The Energy Local model

- A group of domestic customers and local generator(s) form an Energy 'Club'.
- The Club negotiates a 'group switch' with a licensed supplier for a 'time of use' tariff for customers.
- Generator(s) put in place PPA with the same supplier.
- On-site/locally owned renewable energy is 'pooled' within the Club, so Club members only 'import' additional power needed (and can still 'export' any surplus generation)
- Supplier manages normal billing and the allocation of 'pooled' supply between customers and payment of Club premium to generator(s).

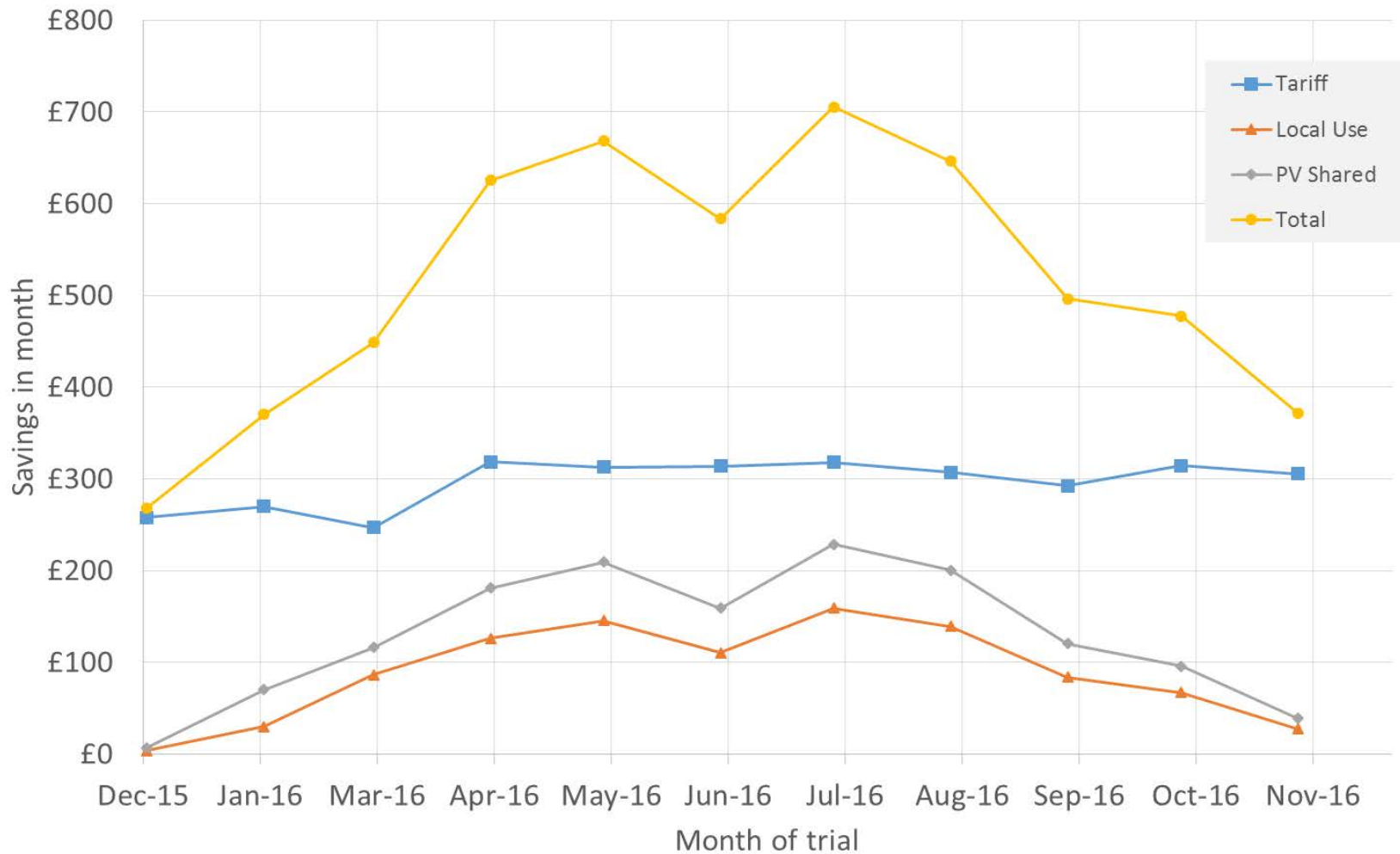
Bethesda - the maths:

- 100kWp local hydro and Club of up to 200 households
- Total generation: 400,000 kWh/year, 90% 'pooled' in Club
- Price for 'matched' electricity: 7p/kWh
- Annual savings per household ~ £100 (20% of average UK bill)
- Extra annual income for hydro ~ £10,800 (> 50% increase in non-subsidy income)
- Total of £30,800 retained locally each year

SWELL - participant savings:



Savings by month during the SWELL project



Thank-you!

ttparkinson@btinternet.com

Tel: 07718 320368