

Foresighting Forum

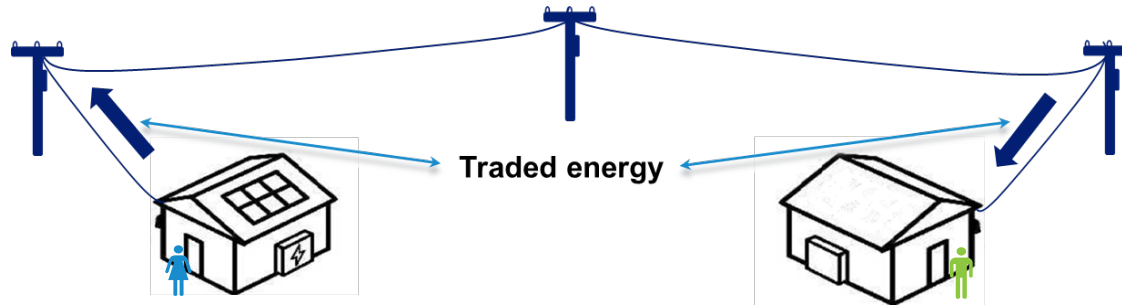
**Peer-to-peer energy trading
becoming a reality**



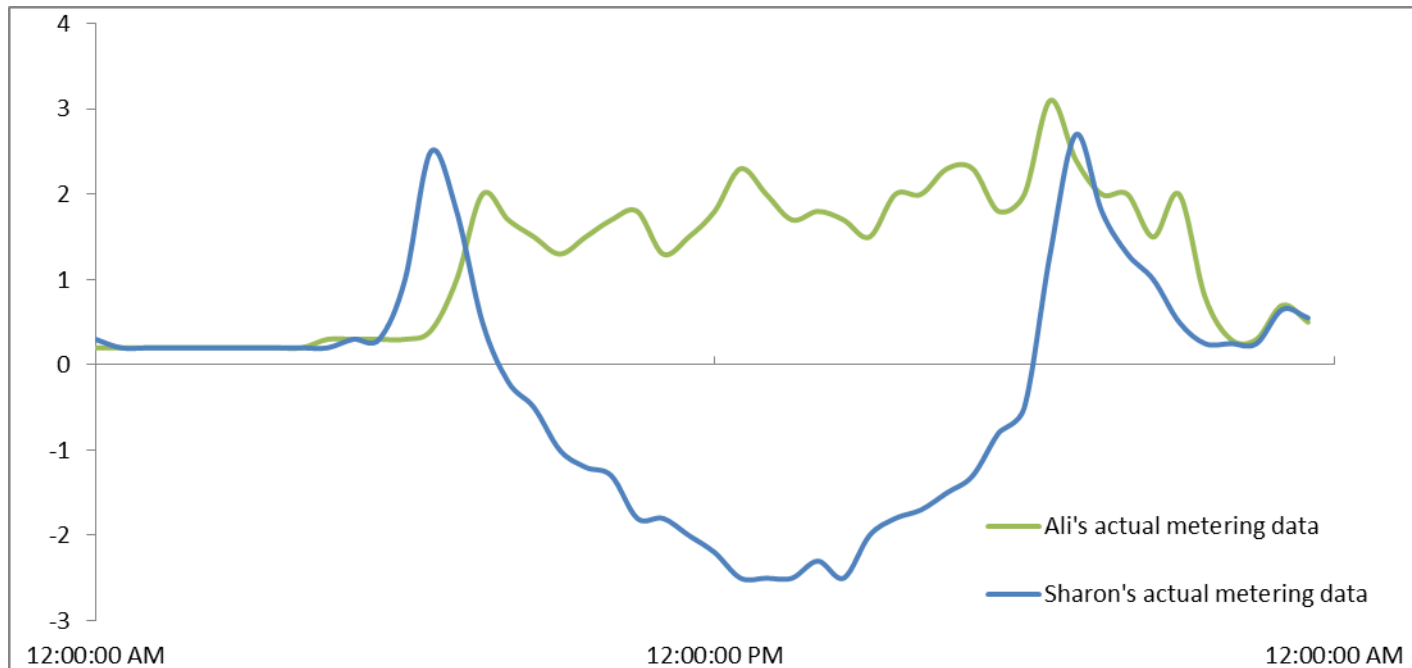
Alistair Parker

28 February 2018

Ali and Sharon



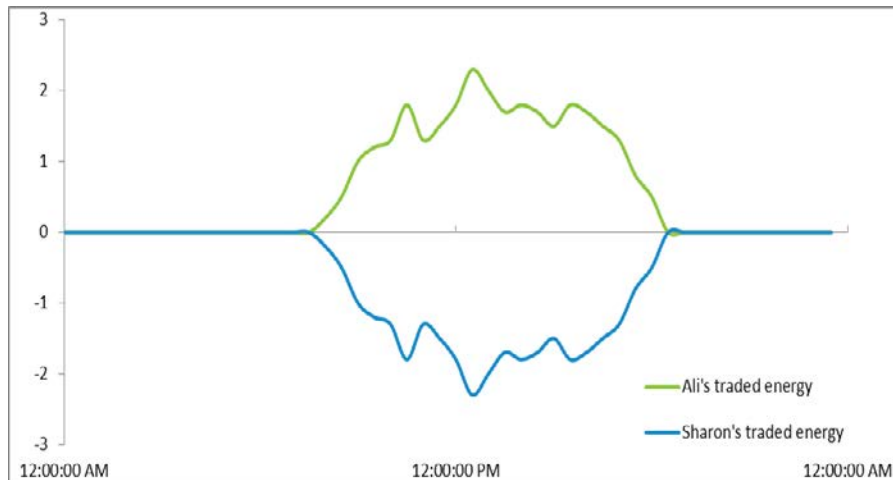
Metered energy



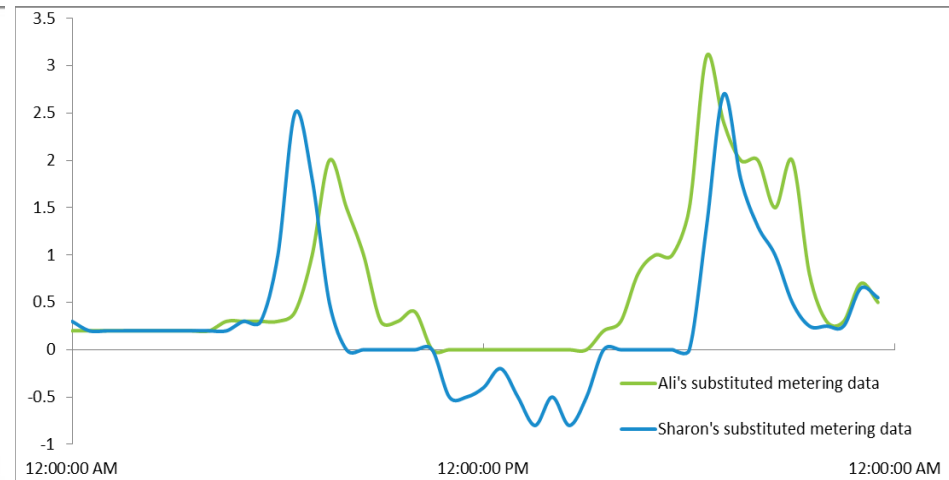
What happens to the meter data?

- ▶ Bids are matched after they have actually exported or consumed the energy they've traded. (i.e. 'ex-post').
- ▶ New meter data, that does not include traded energy, is then provided to retailers.

Traded energy



Substituted data – used for billing



Peer-to-peer trading does not impact the net outcomes in the market.

What happens to Network Revenue under current tariffs?



- ▶ **Under a flat tariff with P2P, network is 50% worse off, while Ali saves \$780 and Sharon saves \$390.**
 - › Combined total bill \$5,890 → \$4,720
- ▶ **Under a TOU tariff with P2P, network is 48% worse off, while Ali saves \$830 and Sharon saves \$410.**
 - › Combined total bill \$5,840 → \$4,600
- ▶ **Under a Demand tariff with P2P, network is 32% worse off, while Ali saves \$420 and Sharon saves \$210.**
 - › Combined total bill \$5,670 → \$5,040

