

Energie Commune

Renewable, fair & inclusive energy

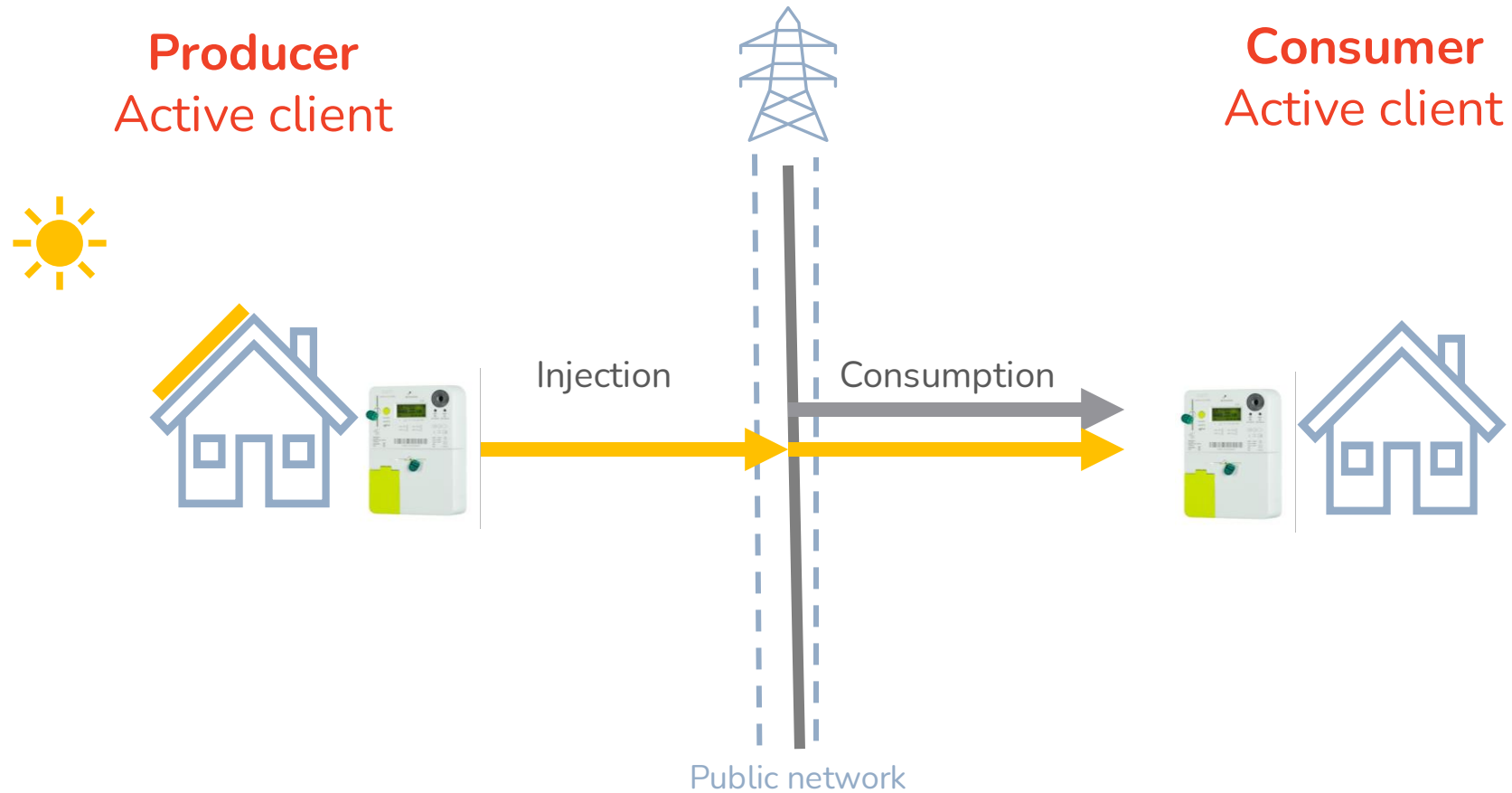
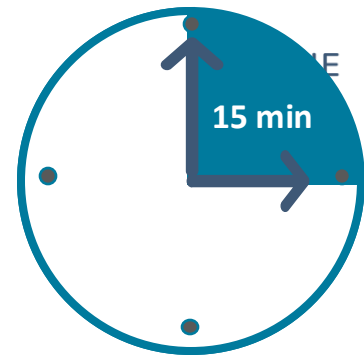
Benjamin Wilkin

« It always rains in Belgium »

- 3 days ago Belgium was 100% renewable powered (for half an hour ;-))!
- Belgium reach and overpass 50% of solar electricity in the gobal production (>< consumption) of the country a lot of time
- We do know some moments of local grid overvoltage that stop the production of some PV systems

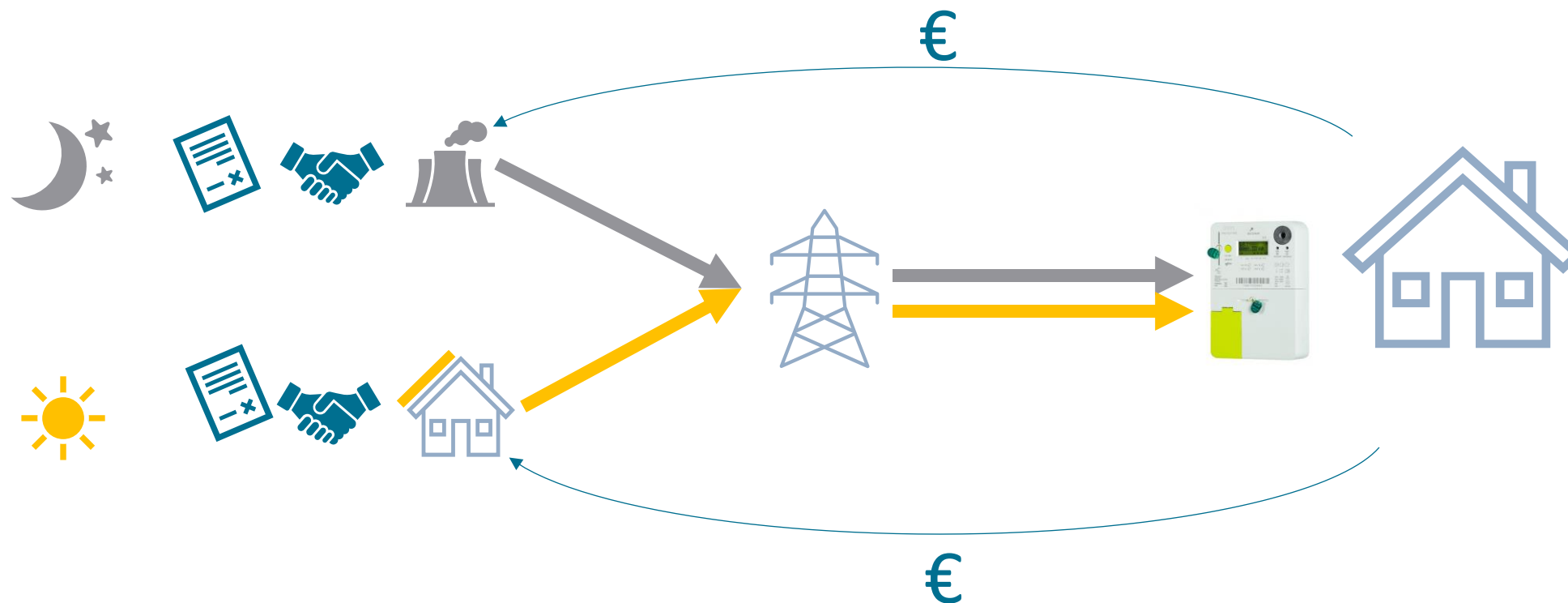
WITH \approx 8 GWp, expecting more than 15 GWp (as Netherlands already have)

Sharing electricity - principles



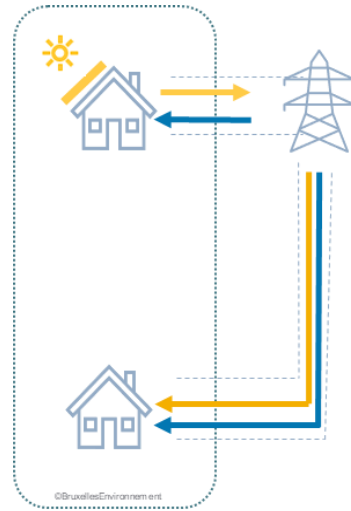
Sharing electricity - principles

CONVENTIONAL SUPPLIER

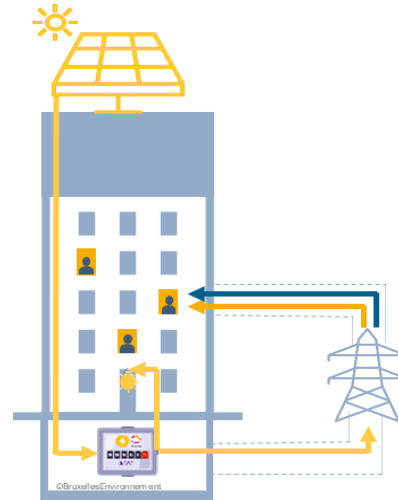


LOCAL PRODUCER

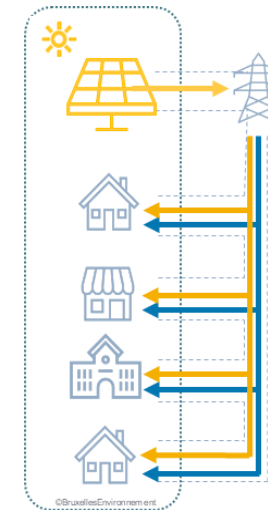
Sharing electricity



Peer to peer



Within a
same building



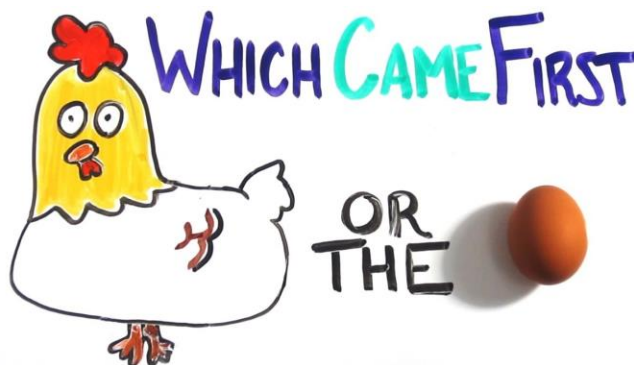
Sharing between
different buildings

Active clients

Energy communities

The main interest to share?

- *Stabelise the invoice of the consumer? **For sure!***
- *Decrease the invoice of consumer? **Must do, but not natural***
- *Optimising investment? **Forget about it***



*The electricity sharing driver is – FIRST OF ALL - the economic interest of the **consumer**.
For him a part of its consumption **can be cheaper** (still connected to gross market prices)
but this allows, for sure, stable prices.*

Even for low incomes people.

How do we have low & stable prices?

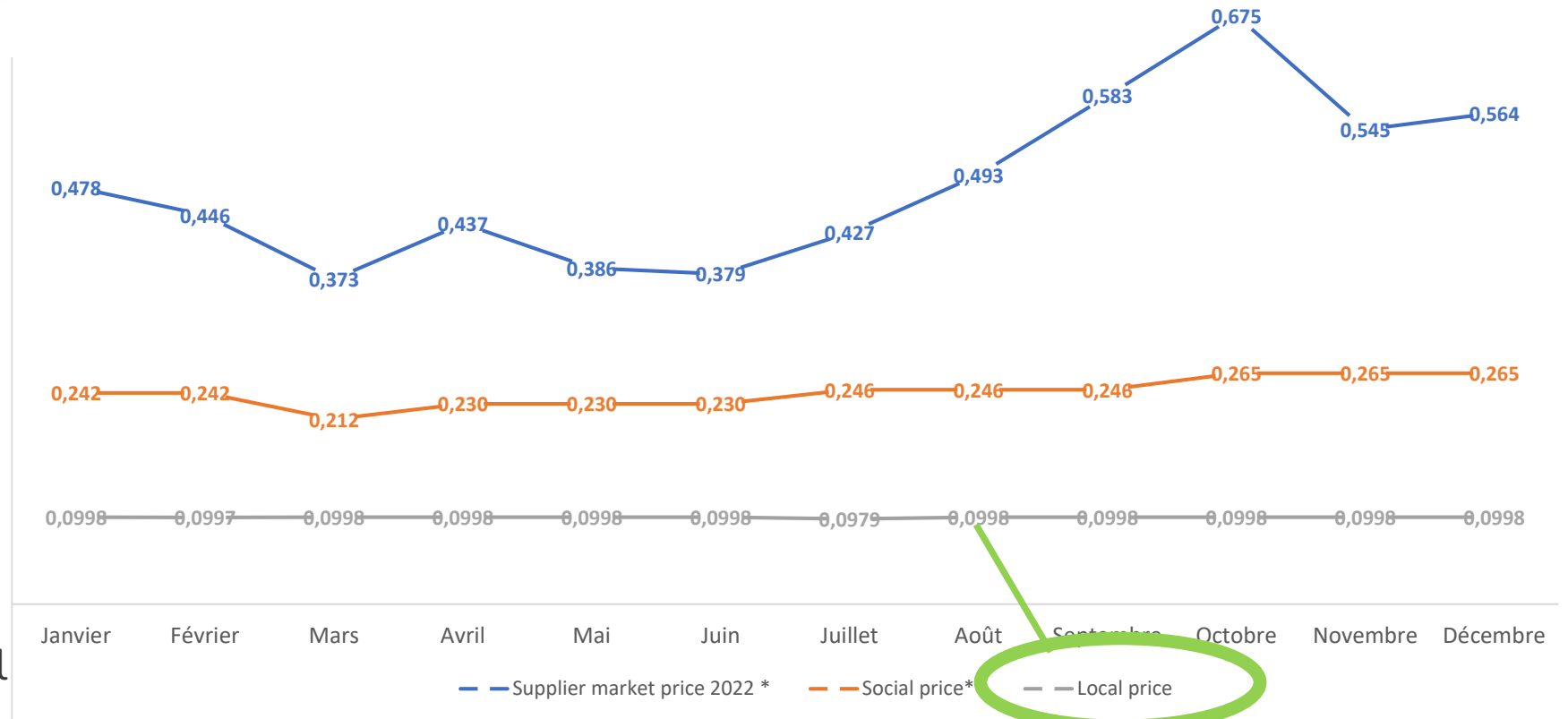
Shared Electricity : 500 kWh/year*consumer

Green Certificates : Yes
Low grid fees : Yes

DISCLAIMER

ELECTRICITY PRICE EVOLUTION (€/KWH TTC) SUNSUD PROJECT

Payback time
= 6 years



€ saved/year \approx 70€ (social tariff)
+ 24€ Economy on common areas)
- 40€ for gouvernement (savings on social tariff)

€ saved/year \approx 145 € (non social tariff) + 24€ (on common areas)

Key messages – Energy Sharing

- IS a social economy activity (Interest of consumer first)
- Is THE tool to put democracy into our energy markets / sector

- IS one of the tools to tackle consumption (quantity, quality)
- IS one of the tools to support some grid constraints (overvoltage)
- IS one of the tools to power Electric Véhicules (individuals or not)
- IS one of the tools to minimise the need of battery storage

Is DIFFERENT (not the same) !! than (as) energy community!!

Q&A

Thank you!

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