



The current PV situation in Sweden from a DSO perspective

Mälarenergi Elnät

2012-04-19

Jonas Persson

Mälarenergi Elnät

- DSO located 100km west of Stockholm
- Prox. 100.000 sites in 5 cities with some rural area around
- Municipality owned
- Part of multi utility company, Mälarenergi
- www.malarenergi.se
- Offering “net settlement” for our micro production customers from 1/1 2012



What is the role
for a DSO regarding PV ?



We have the technical interface (read meter) to the concerned customer

The customer must always have contact when establishing or change the connection to our grid



Why do we do this?



A growing interest from our customers
and owners i local green energy
production and energy awareness



PV demo installation



- Model of a normal "home installation"
- Separate metering for total as well as per production unit (usable for certificate for instance)
- 1 fixed roof mounted PV, 525W, 4m²
- 1 sun seeking PV 1.410W, 10m²

Net settlement



Easy way to promote local consumers to invest in PV

Today metering based on meter readings / month – should be enough even for production in those sites..

Uses already established information channels between DSO and retailer



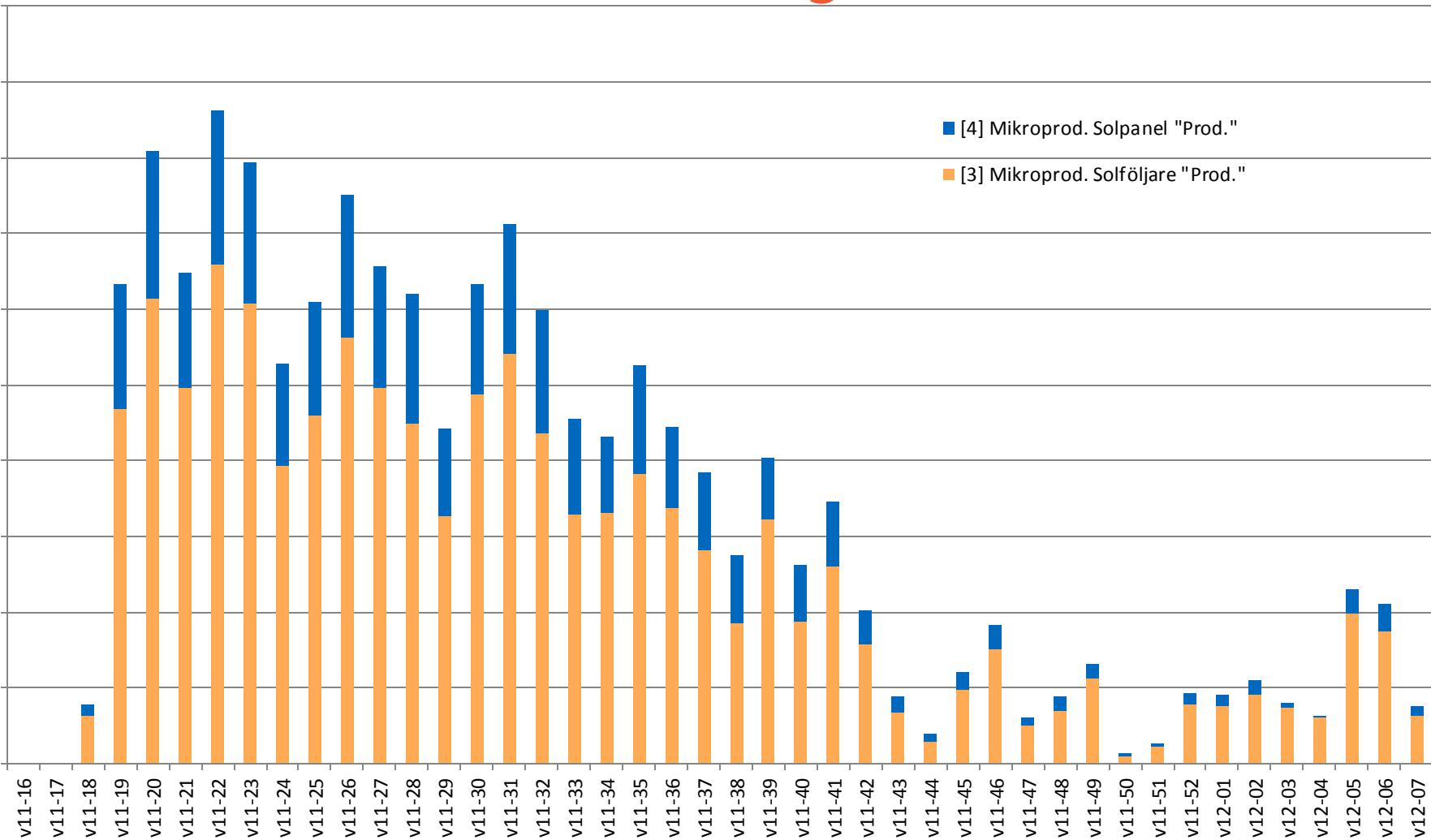
Obstacles !



- Tax rules that might stop net settlement of micro production
- Large administrative challenges lacking standards in market rules
- Lacking standards for information exchange between market actors

Grid codes

Production Mälarenenergi PV site 2011





Thank you for your attention

Jonas Persson, Mälarenergi Elnät AB

jonas.persson@malarenergi.se

