

UiO : Centre for Development and the Environment
University of Oslo

A socially just energy transition

Tanja Winther, Prof. of Development and Environment, Head of Include
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In-home displays in Norwegian homes



Wealthy groups, detached houses:
The display as 'a toy'

In-home displays in Norwegian homes



Flats, East End, Oslo:
'I get control over my life'



But people living in flats would/could not

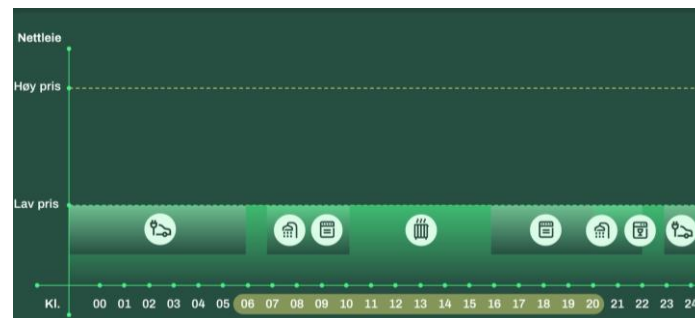
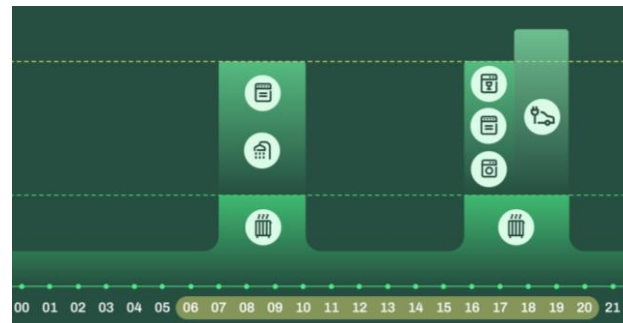
- purchase in-home-display
- install heat pump
- install solar panels
- do their laundry (or play the piano) after 8 p.m.

Coming soon: Capacity-based grid tariffs



New model from 1st January 2022, Norway

- 'Fixed amount' based on previous consumption (demand for capacity)
- Consumption per unit, time-of-use prices



What kind of households can tap the benefits of changed grid tariffs?



People in a good position (ref. interviewees)

- Wealthy
- Interested / knowledgeable in smart technology
- Flexible work hours / working from home / retired people
- Living in the south of Norway



Flexibility as a form of 'capital' (Powells and Fell 2019)

Will new grid tariffs enhance a socially just transition?



Energy poverty already exists

- Recipients of social support and elderly people living in old houses are particularly at risk
- 7% of Norwegian households (170 000) had problems servicing their bills in 2019

Coming grid tariffs

- **Distributional justice – WHAT**
What are the costs/benefits for different groups?
- **Recognitional justice - WHO**
Whose interests are being acknowledged?
- **Procedural justice - HOW**
How are decisions made?



What do you think about time-of-use electricity tariffs?

'I don't want that! I wouldn't stand the same level of conflict as we had at the time when making a phone call was cheaper after 5 p.m.!'



Thank you!
(selected publications)

The dynamics of solar prosuming: Exploring interconnections between actor groups in Norway. Inderberg, Sæle, Westskog and Winther, *Energy Research & Social Science* 2020.

Energy politics and gender. Standal, Winther and Danielsen, in Hancock & Allison (eds), *The Oxford Handbook of Energy* 2018

Like having an electric car on the roof: Domesticating PV solar panels in Norway. Winther, Westskog and Sæle, *Energy for Sust. Dev.* 2018

Pathways to electricity for all: What makes village-scale solar power successful? Ulsrud et al. *Energy Research & Social Science* 2018

The effects of in-home displays — Revisiting the context Westskog, Winther and Sæle, *Sustainability* 2015

Electricity consumption: should there be a limit? Implications of people's attitudes for the forming of sustainable energy policies, Westskog and Winther, *Consilience - The Journ. of Sust. Dev.* 2014