



Greve Kommune

EV's in Greve Municipality - part of Climate plan 2010-20

Climate-coordinator
Jens Larsen



Vi gør
Greve
grøn

I Greve Kommune
sparer vi 20% CO₂
inden 2020



Greve Kommune



Greve Kommune



Side 2



Greve Kommune

Klimaplan 2010-2020



- Vedtaget af Greve Byråd i september 2010
- Målsætning: Reduktion i CO₂-udledningen fra Greve Kommune som geografisk område med over 20 % i 2020.

- Indsatsområder:
 - Energi
 - Transport
 - Klimatilpasning



Side 3



Greve Kommune

Tiltag til implementering af Klimaplan 2010-2020

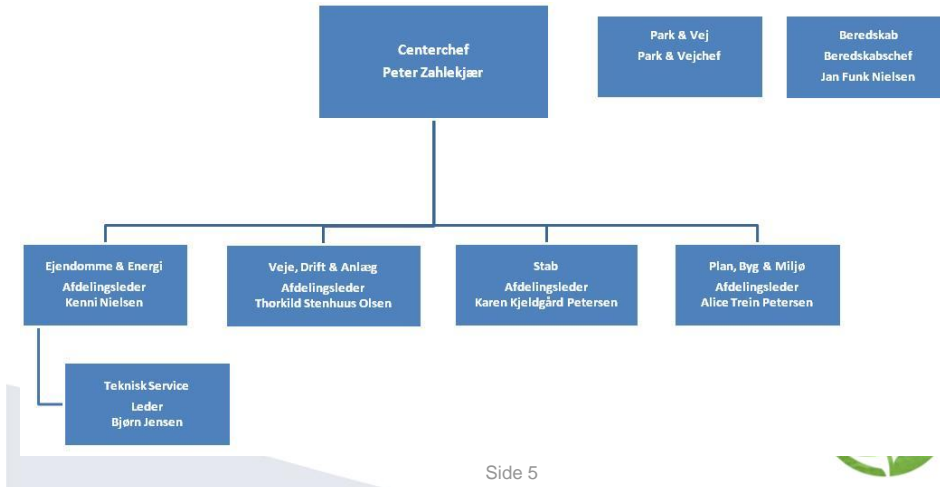
- Internt:
 - Energibesparelser og vedvarende energi i kommunale bygninger
 - Grønt indkøb
 - Transport
- Eksternt:
 - Strategisk Energiplan
 - Kommuneplaner og lokalplaner
 - Klimatilpasningsstrategi
 - Vejledning af borgere og erhverv
 - Transport



Side 4



Organisationsdiagram - Center for Teknik & Miljø 1. januar 2013



Side 5



Existing EV



- 2 Think cars in fleet since 2009, Price of 235.000 DDK
- Car no. 1: 13415 km \Rightarrow 13,7 km/day (300 users)
- Car no. 2: 7136 km \Rightarrow 7,3 km/day (12 users)
- App. 70 cars in total fleet
- Avg. (based on 4 cars) \Rightarrow 40 km/day
- Technical difficulties for Think cars no. 2
- EV is popular and is communicated as a success
- EV enthusiast but the avg. colleague have reservations (no service)



Side 6



Examples of barriers for EV

- Political vision to go to EV
- Uncertainty about the total economy compared to resale value
- Existing EV Think cars have technical problems and capacity is not as good as normal cars
- Organizational capacity - you need people and capacity if you want to change your fleet. Note; We have decentralize fleet in each center
- Technology mature ?
- Price, service, battery, 5-15 years life ?, guaranty, Wh/km under different climate conditions ?
- Fleet and transportation knowledge (where do we have tours < 80 km, how will the cars be implemented and how are we using them)



Side 7



Examples of barriers for EV, some comments

- We implemented shared cars in 2012
 - Conservative users ? – or we just want easy solutions ?
 - EV compared to other technology ?
 - Most saved CO2 for the money ? Avg. existing cars; 120 g CO2/km
- 1) Citroën C-Zero = 64 g CO2/km
 - 2) Variation with cars on DK market ; \Rightarrow 34-200 g CO2/km
 - 3) Think Reality check 26/2-13: \Rightarrow 170 -294 g CO2/km
 - 4) Change in emission - what if 377 \Rightarrow 511 g CO2/kWh
- Where can we as a municipality make a difference ?



Side 8



Thanks for listening !



Side 9

