

EV OR NO EV? THAT IS THE QUESTION !



THE NEED

- NRMA survey - growth in the market
- 25% of new cars sold within 10 years
- In last 12 months – number sold tripled
- ‘Grain of salt’ – salesman/enthusiast talk
- European scene – more than in Aus
- Direction car manufacturers are taking
- Political push

GENERAL PROBLEMS

- In most countries – mainly a ‘city car’
- Charging stations being developed BUT
- Country-wide networks longer term
- It takes time to charge:
 - 15 to 30 mins with super-chargers
 - More like 8 hours at home – full charge

BP SPECIFIC PROBLEMS

- Limited power on site
- May not be up-graded soon by Ausgrid
- Each strata has growing needs – air conditioners, convection ovens, stereos..
- No augmentation allowed
- Must be replacement cables – very costly
- Peak capacity charges – Stephen later

LEGAL CONTROLS

- Some stratas banned charging on-site – through bylaws
- Celeste has a bylaw that requires an application by an owner & conditions
- Research by a sub-committee of 3
- No urgency – take your time
- Technology advancing – load management system, etc.

SPECIALISED WORK

- Only a few capable firms
- Must be reputable
- Some offer a 'turnkey' operation – with on-going management
- Celeste has chosen to go toward:
- Owners' Corp – basic infrastructure
- The rest of the installation - 'user pays'

CELESTE'S EXPERIENCE

- Uni-based firm for prelim report (\$500)
- Negotiating with 2 firms
- Need for a 'data logging' exercise:
- Capacity available from Ausgrid
- Usage – moment by moment – 4 weeks
- Balance left for ev charging
- Aim: 1 charger per unit

MAJOR ISSUES

- Balance of responsibilities between OC and owners
- Compatibility of system to all manufacturers
- Power availability
- Augmentation – only solar
- Management & payment system

GENERAL COMMENTS

- Basic information – the intent tonight
- We are NOT experts – do your research
- Much information on-line
- Don't rush the process – big stakes
- Talk to Stewart and Danny
- Stephen has also done research – especially on 'peak capacity charges'