

Energy Efficiency

QUESTION:

What are some of the most effective ways that cities can become more energy efficient while at the same time reducing CO₂ emissions?

ANSWER:

To introduce technologies that are energy efficient and facilities low energy consumption choices.

Smart Grid deployment:

Reducing peak hour load
by connecting energy
Producers + Consumers



9%
CO₂ reduction

Build new houses with state of the art technology:

70%
More efficient



60%
Coverage of
hot water energy

30%
Coverage of heating
and cooling energy

Introduce fuel efficient cars of the future:



2000 kg



Lower weight



4 x 500 kg



Smaller for easy parking

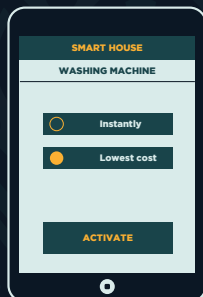


Automatic charging
because of the smart grid



Energy storage
for later use

Install Energy Observing System in new and old houses:



Easy control
of energy usage

Airconditioning
Heat pumps
Freezers
Refrigerators
Washing machines
Tumble dryers
Standby electronics

15%
Electricity reduction

Less
CO₂ emissions

More
efficient energy use