

SCENARIO 1 FRUGAL GENERATION

SOCIETY IN 2050...



Respect for nature and energy sufficiency

- Nature is protected, as a whole to which humanity belongs.
- Part of the production apparatus is based on low-tech, which is more robust and can be repaired by ordinary people.

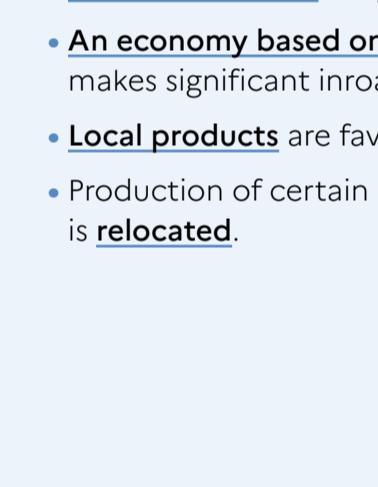


Limitation of construction, rapid renovation and large-scale changes in lifestyle.

- Conversion of vacant housing and second homes into primary residences.
- Drastic reduction in the number of new buildings.
- Unparalleled level of energy renovation.
- Pooling of facilities in housing units.

Profound transformation of dietary habits and intelligent use of forestry resources

- More extensive agriculture with few synthetic fertilisers.
- Large areas of non-productive natural areas are developed.
- Improved sustainability of biological carbon sinks in the form of forests.



Three-fold reduction in electricity consumption for specific uses (household appliances, electronics, lighting and so on)

-30%
Reduction in the average surface area of new houses

-60%

Meat consumption reduced by a factor of 3

Reduced industrial production and a market reoriented towards "Made in France"

- Reduced demand for products and services.
- An economy based on functionality and repair makes significant inroads.
- Local products are favoured by consumers.
- Production of certain industries is relocated.

70%

of steel, aluminium, glass, paper, cardboard and plastic sourced from recycled materials

A significant drop in demand for mobility

- More proximity and less mobility, favouring active modes: walking, cycling etc.
- Major drop in car and aircraft travel.
- Carpooling and hitch-hiking develop in rural areas.

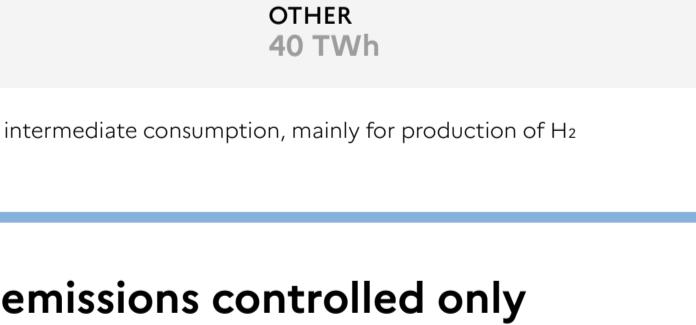
-26%

drop in miles travelled in total

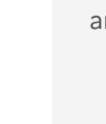
-45%

less domestic goods traffic

Final energy demand by carrier (with non-energy uses and excluding international bunker fuel)



Oil is limited to a few specific uses where it's difficult to replace



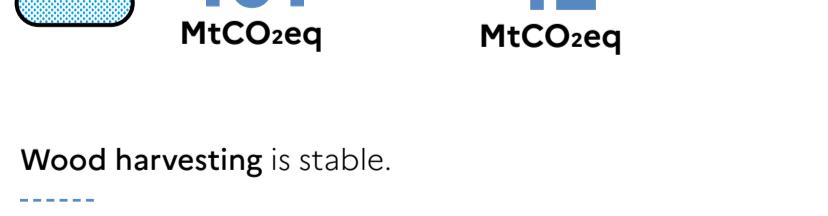
Gas follows the same trajectory of a very sharp reduction in consumption. It is almost entirely renewable



Hydrogen is mainly used to decarbonise natural gas supply

*Excluding intermediate consumption, mainly for production of H₂

Halving of overall energy demand



Wood harvesting is stable.

Only **biological sinks** are brought into play (soils, forests, biomass).

Significant growth of maintained **forest** under extensive management.

Balance of CO₂ emissions and sinks in 2015 and 2050

