

A Vision for a common EU energy policy

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The end of resource intensive economies

- Climate change problem is only ONE indicator of a more general system crises
- Extrapolating the resource intensive economic model of US – Japan – EU to the rest of the world will create extreme resource stress and risks of major disruption

The role of the EU

- Create a “new” economic model which bring high quality of life within the “ecological footprint”
- For CO₂ and GHG:
 - Reduction of 80% until 2050
 - Reduction of 30% until 2020 is a first step

EU – a world leader in innovation

- Technological innovation
 - Low energy housing, efficient appliances,
 - 60 gr CO₂/km cars, light railway, off shore wind,
 - Solar thermal electricity, CCS
- Organisational innovation
 - Political concepts (collective bargaining)
 - Planning concepts (urban planning)
 - Financing concepts (EIF risk sharing facilities)

Visions scenario (Oeko-Institut 2006)

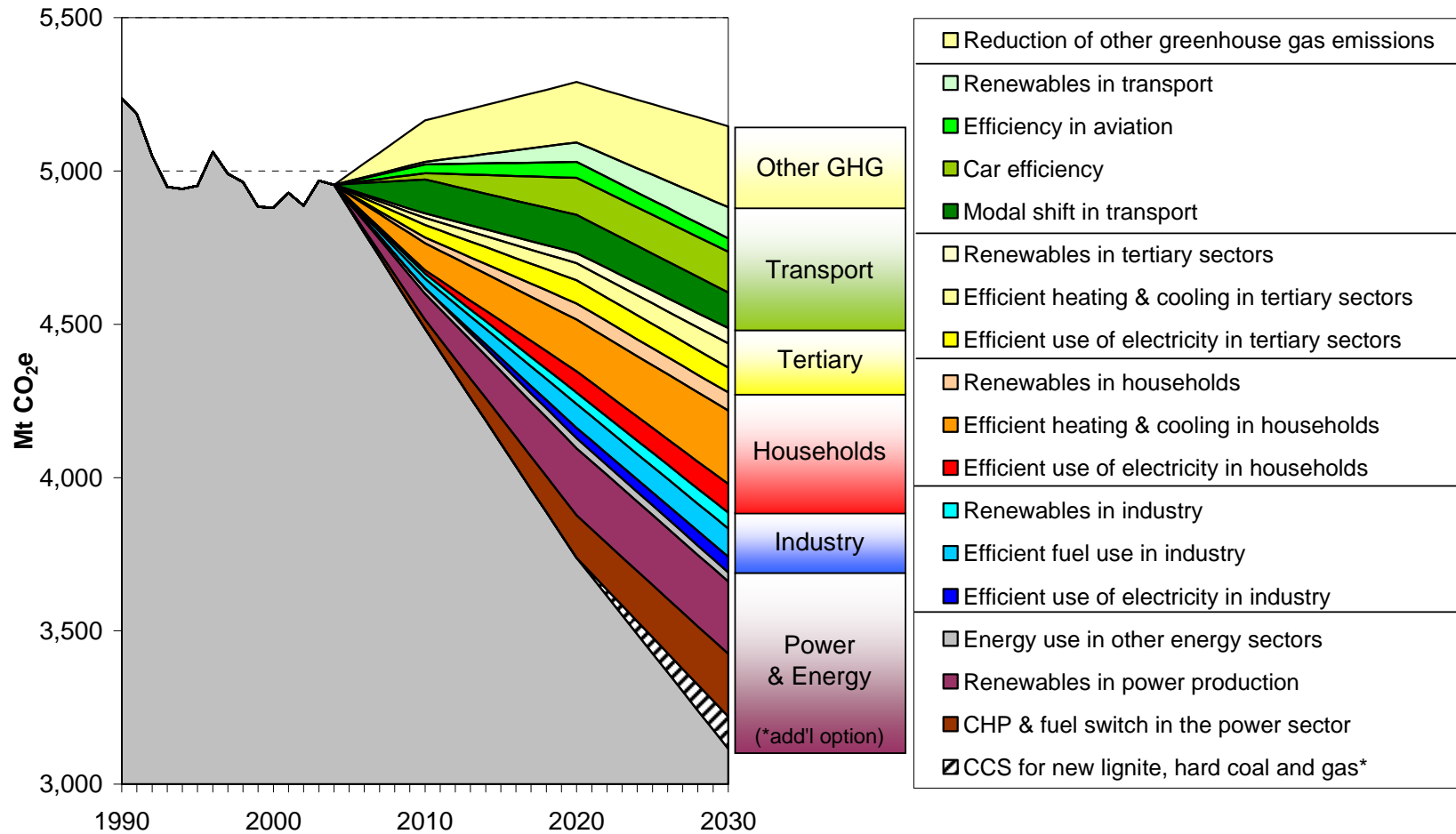




Table 1.4-1: Primary Energy Demand in EU-25 in the “Combined high renewables and efficiency” case

	Mtoe				% change from baseline		
	2000	2010	2020	2030	2010	2020	2030
Solid Fuels	306.5	246.0	156.9	124.5	-14.2	-39.5	-57.5
Liquid Fuels	634.7	637.7	574.9	529.8	-4.6	-14.2	-17.3
Natural Gas	376.3	417.8	413.7	394.3	-9.6	-21.9	-23.9
Nuclear	237.7	248.8	161.5	73.5	0.0	-29.4	-65.1
Renewable En. Sources	96.5	209.2	324.9	393.7	45.5	66.2	70.5
Total	1653.8	1761.6	1633.4	1517.5	-2.8	-13.4	-19.9
EU-15	1456.9	1543.0	1411.1	1293.1	-2.8	-13.1	-19.6
NMS	196.9	218.6	222.4	224.4	-3.1	-15.0	-21.7
Mt CO₂ emitted	3674.1	3524.1	2968.8	2669.5	-9.2	-24.4	-32.5
EU-15	3127.0	2990.7	2543.3	2300.1	-9.1	-23.0	-30.5
NMS	547.1	533.4	425.5	369.4	-9.8	-32.2	-42.6

Source: PRIMES.

What can we expect from the EU summit ?

- 30% Greenhouse gas reduction as a target
- 20% efficiency as a target
- Minimum 20% renewables as a target
- CCS demo plants
- Greater separation of the grids from power production
- A vague EU foreign energy policy

Let's join forces

- “The ETUC is convinced of the urgent need for a European energy policy that will lead the EU down the road of sustainable development”

(John Monks while visiting chancellor Merkel 27th of February)

More on : [www. Stopclimatechange.org](http://www.Stopclimatechange.org)