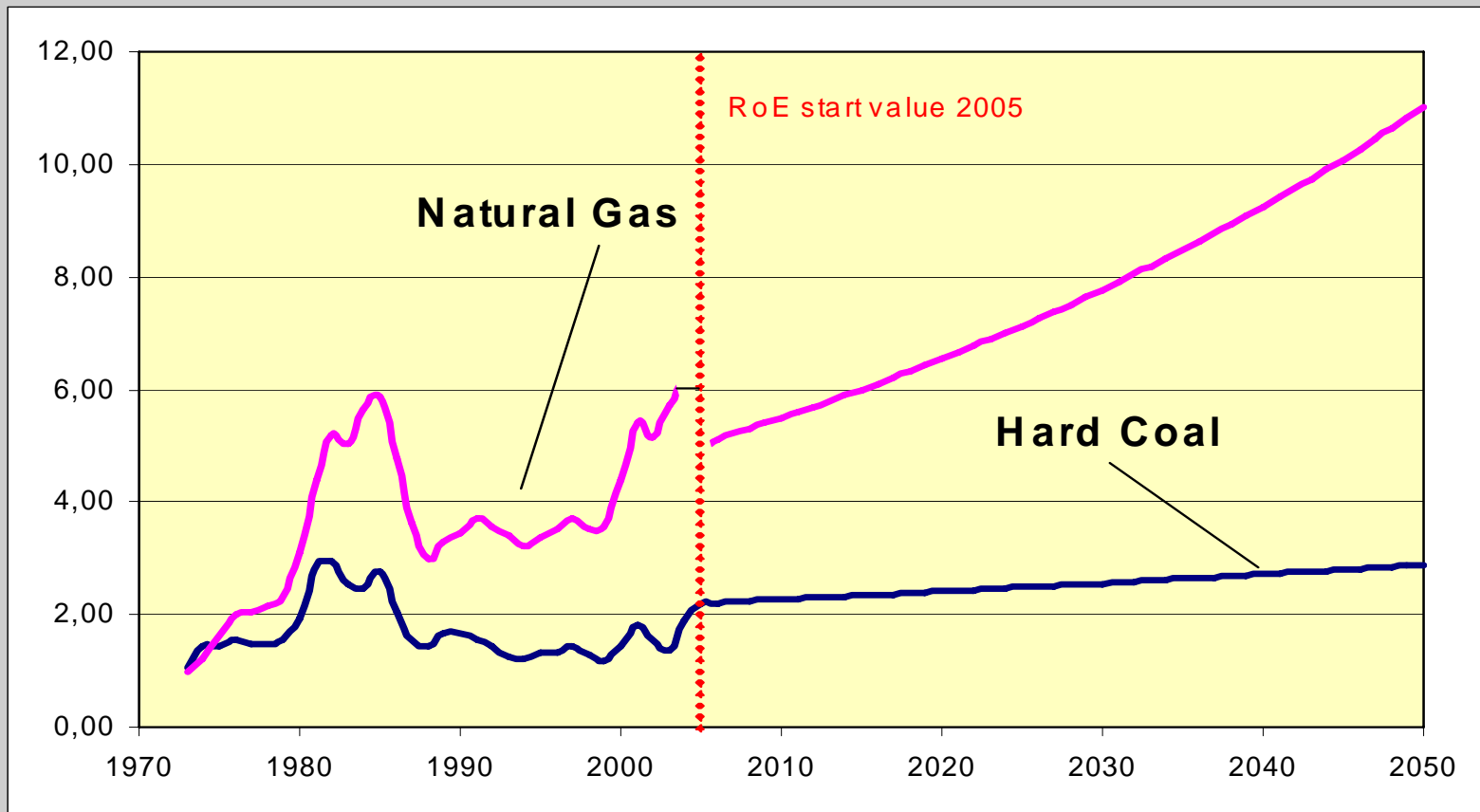


Electric Power Technology Europe's Position



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Summary Supply Block				
Cost of Electricity – Overlook				
	2005	2030	2030 CC	2050 CC
Hard Coal	4,11	6,18	6,72	6,46
Natural Gas	4,44	6,95	7,06	8,76
Lignite	3,72	6,47	6,21	6,19
IGCC	4,79	6,54	5,72	5,43
OxyFuel			6,09	5,95
Nuclear	4,30	4,70		4,90
Hydro run river	4,10		4,10+	
Wind off shore	7,62		7,57	
Cost of Electricity figures are in €-ct/kWh in prices of 2005				

Overview of the Cost Elements for different Technology Pathways

		HC	Lignite	NG	IGCC	Oxyfuel	Nuclear	Hydro (RoR)	Hydro (SP)	Wind
2005	Efficiency %	46	43.5	57.8	46.1		35.1	90	90	6
	CO ₂ g/kWh	728	944	349	727		--	--	--	--
	total spec. Costs €/kW	1.068	1.136	443	1.373		2.373	1.800	1.000	1.100
	Operating hours h/a	7.500	7.500	6.000	7.000		7.900	7.000	2.000	2.000
	fix €/ct/kWh	2.24	2.34	1.23	2.92		3.5	--	--	8.75
	var fuel €/ct/kWh	1.72	1.19	3.14	1.72		0.8	--	--	--
	var CO ₂ €/ct/kWh	0.15	0.19	0.07	0.15		--	--	--	--
2030	Efficiency %	52	53.5	61.7	52		37.1			46
	CO ₂ g/kWh	644	767	327	645		0.00			--
	total spec. Costs €/kW	1.097	1.161	487	1.245		2.474			1.000
	Operating hours h/a	7.500	7.500	6.000	7.000		7.900			2.000
	fix €/ct/kWh	2.30	2.82	1.25	2.66		3.7			7.87
	var fuel €/ct/kWh	1.77	1.13	4.54	1.77		1.0			--
	var CO ₂ €/ct/kWh	2.11	2.52	1.07	2.11		--			--
2030 CC	Efficiency %	40	44.5	56.6	43	42	38.1			
	CO ₂ g/kWh	84	92	36	78	80	--			
	total spec. Costs €/kW	2.036	2.245	731	1.578	1.658	2.424			
	Operating hours h/a	7.500	7.500	6.000	7.000	7.000	7.900			
	fix €/ct/kWh	4.15	4.55	2.00	3.33	3.64	3.7			
	var fuel €/ct/kWh	2,29	1.36	4.95	2.13	2.19	1.2			
	var CO ₂ €/ct/kWh	0,27	0.30	0.12	0.26	0.26	--			
2050 CC	Efficiency %	44	46	59.3	48	46				46
	CO ₂ g/kWh	38	45	17	35	36				--
	total spec. Costs €/kW	1.919	2.215	731	1.467	1.604				1.000
	Operating hours h/a	7.500	7.500	6.000	7.000	7.000				2.000
	fix €/ct/kWh	3.92	4.49	2.00	3.10	3.52				7.87
	var fuel €/ct/kWh	2.36	1.48	6.68	2.16	2.25				--
	var CO ₂ €/ct/kWh	0.19	0.22	0.08	0.17	0.18				--

*fix + var = CoE (Cost of Electricity)