

Nuclear power in Germany

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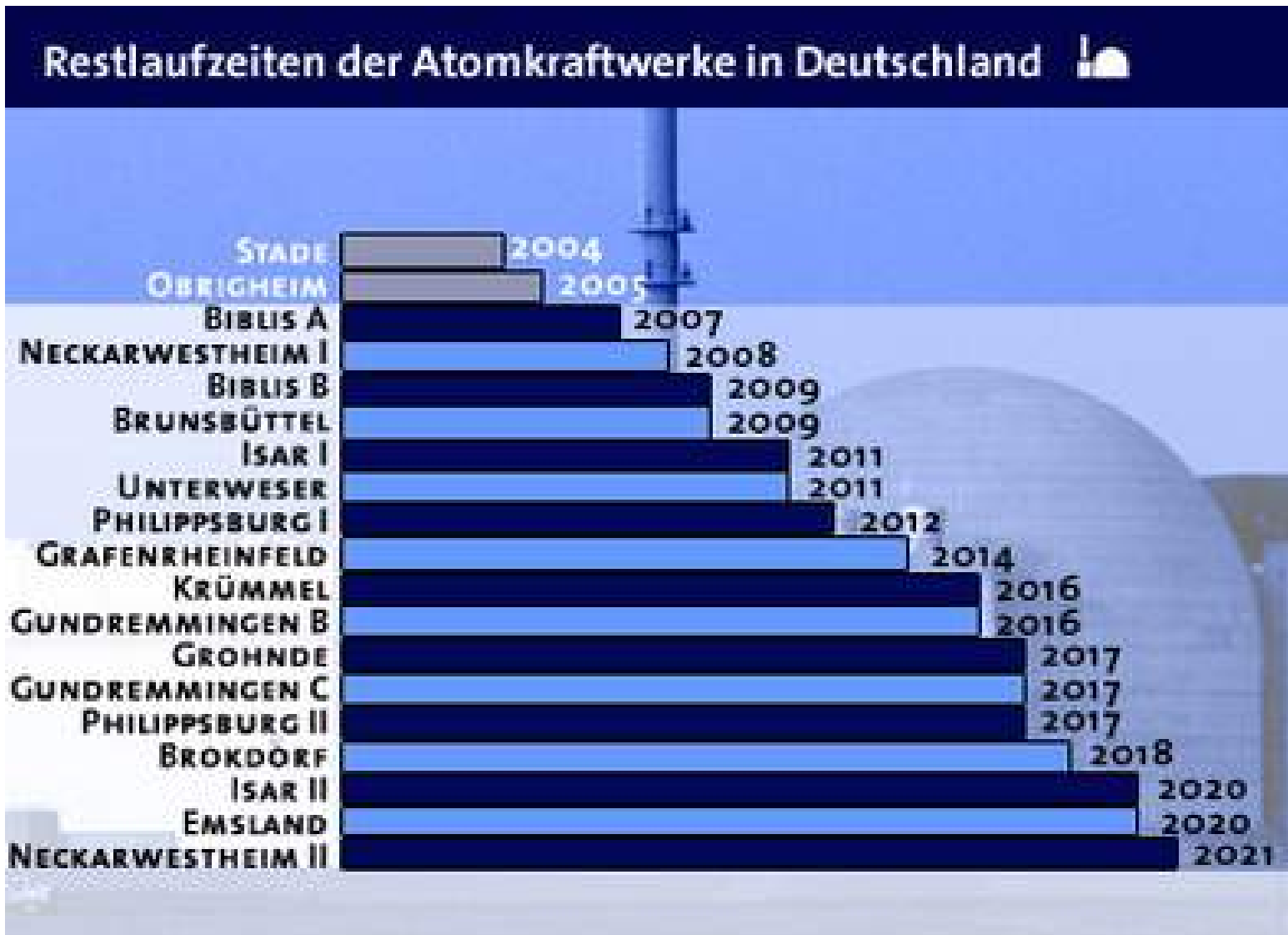




“Health impacts near nuclear power plants confirm Germany’s decision to phase out nuclear energy”



Sites of nuclear power plants in Germany



Residual operation time of nuclear power plants in Germany



Operating nuclear power plants

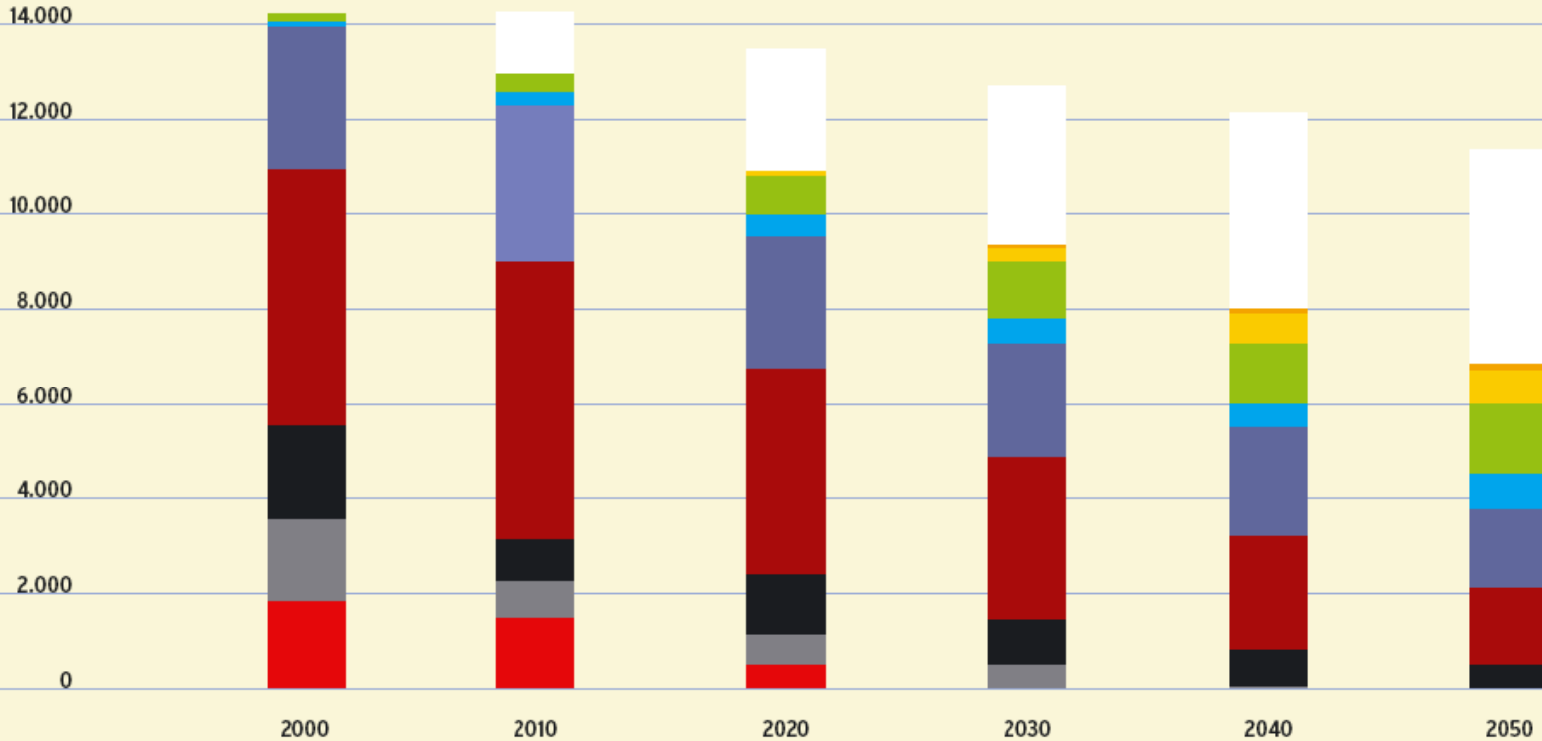
	Jahr der Inbetriebnahme	Reststrommenge	
		01.01.2000 (TWh netto)	31.07.2006 (TWh netto)
Biblis A	1974	62,00	14,87
Neckarwestheim 1	1976	57,35	17,70
Brunsbüttel	1976	47,67	16,25
Biblis B	1976	81,46	26,03
Isar 1, Essenbach	1977	78,35	34,18
Unterweser, Esenshamm	1978	117,98	56,81
Philippsburg 1	1979	87,14	38,71
Grafenrheinfeld	1982	150,03	84,22
Krümmel	1983	158,22	97,76
Philippsburg 2	1984	198,61	129,40
Gundremmingen B	1984	160,92	94,77
Gundremmingen C	1984	168,35	103,17
Grohnde	1984	200,90	129,53
Brokdorf	1986	217,88	144,74
Emsland, Lingen	1988	230,07	157,68
Isar 2, Essenbach	1988	231,21	155,60
Neckarwestheim 2	1989	236,04	166,88
Gesamt		2.484,18	1468,27*



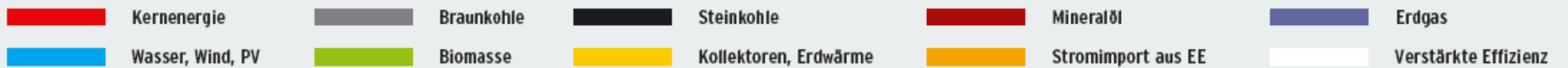
→ Primärenergie im Langfristszenario für Deutschland

Quelle: BMU 2004

Primärenergie in PJ/a



CO ₂ -Emiss. (Mio. t/a)	835	717	588	451	309	195
Anteil EE (%)	2,4	5,3	12,7	22,2	32,5	43,6



Primary energy in the long term scenario for Germany

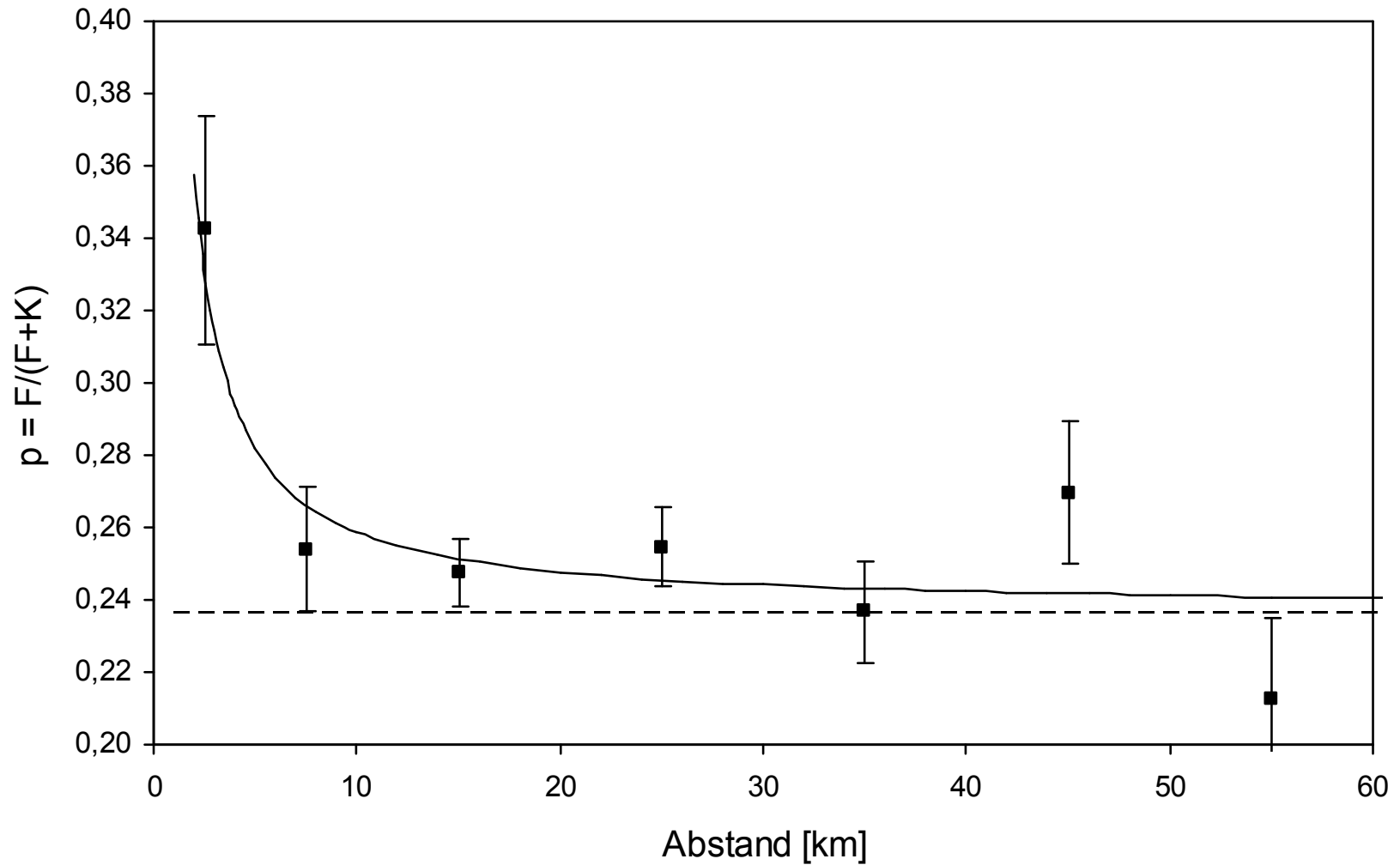


Case Control study on childhood Cancer in the vicinity of nuclear power plants (KiKK)

(published in december 2007)

Results of the case control study:

- Significant relationship between diagnosis and residential proximity to the plant
- In the inner 5 km zone:
 - Significantly increased rate of all cancers (60 %)
 - Significantly increased rate of leukaemia (120 %)



Dose response curve for all cancers based on a logistic regression model



Case Control study on childhood Cancer in the vicinity of nuclear power plants (KiKK)

(published in december 2007)

Design of the case control study:

- Children under 5 Years
- Diseases between 1980 and 2003
- Distance used as dose approximation
- Distance of residence at time of diagnosis
- Distance measurements with a precision of about 25 meters
- one sided test