

**Table 1: Status of Nuclear Power in the World** (as of 31 August 2008)

<b>Countries</b>	<b>Nuclear Reactors<sup>1</sup></b>				<b>Power<sup>2</sup></b>	<b>Energy<sup>3</sup></b>
	<i>Operate</i>	<i>Average Age</i>	<i>Under Construction<sup>4</sup></i>	<i>Planned<sup>5</sup></i>	<i>Share of Electricity<sup>6</sup></i>	<i>Share of Commercial Primary Energy</i>
<i>Argentina</i>	2	30	1	1	7%(=)	3%
<i>Armenia</i>	1	28	0	0	43%(+)	?%
<i>Belgium</i>	7	28	0	0	54%(=)	15%
<i>Brazil</i>	2	17	0	1	3%(=)	1%
<i>Bulgaria</i>	2	19	2	0	44%(=)	16%
<i>Canada</i>	18	24	0	3	15%(-)	7%
<i>China</i>	11	7	6	24	2%(=)	<1%
<i>Czech Republic</i>	6	17	0	0	30%(-)	14%
<i>Finland</i>	4	29	1	0	29%(=)	20%
<i>France</i>	59	24	1	0	77%(-)	39%
<i>Germany</i>	17	26	0	0	26%(-) <sup>7</sup>	10%
<i>Hungary</i>	4	23	0	0	37%(=)	14%
<i>India</i>	17	17	6	10	3%(=)	1%
<i>Iran</i>	0	0	1	2	0%(=)	0%
<i>Japan</i>	55	23	1	12	28%(-)	12%
<i>Korea RO (South)</i>	20	15	3	5	35%(-)	14%
<i>Lithuania</i>	1	21	0	0	64%(-)	25%
<i>Mexico</i>	2	17	0	0	5%(=)	2%
<i>Netherlands</i>	1	35	0	0	4%(=)	1%
<i>Pakistan</i>	2	23	1	2	2%(=)	<1%
<i>Romania</i>	2	7	0	2	9%(+)	4%
<i>Russia</i>	31	26	7	10	16%(=)	5%
<i>Slovakia</i>	5	20	0	2	54%(-)	20%
<i>Slovenia</i>	1	27	0	0	40%(+)	?%
<i>South Africa</i>	2	24	0	1	5%(+)	2%
<i>Spain</i>	8	25	0	0	17%(-)	8%
<i>Sweden</i>	10	29	0	0	46%(-)	30%
<i>Switzerland</i>	5	33	0	0	40%(+)	22%
<i>Taiwan</i>	6	27	2	0	19%(=)	8%
<i>Ukraine</i>	15	20	2	0	48%(=)	15%
<i>United Kingdom</i>	19	27	0	0	15%(-)	7%
<i>USA</i>	104	29	1	12	19%(=)	8%
<b>EU27</b>	<b>146</b>	<b>25</b>	<b>4</b>	<b>4</b>	<b>28%(-)</b>	<b>12%</b>
<b>Total</b>	<b>439</b>	<b>24</b>	<b>35</b>	<b>87</b>	<b>14%(-)</b>	<b>&lt;6%</b>

<sup>1</sup> according to IAEA PRIS August 2008, <http://www.iaea.org/programmes/a2/index.html> unless noted otherwise

<sup>2</sup> in 2007, according to IAEA, *Nuclear Power Reactors in the World*, July 2008

<sup>3</sup> in 2007, according to BP Statistical Review of World Energy, June 2008

<sup>4</sup> as of end of August 2008

<sup>5</sup> adapted from WNA 2007, <http://www.world-nuclear.org/info/reactors.html>

<sup>6</sup> +/- in brackets refer to change in 2007 versus level in 2006 (reference for the 2007 World Nuclear Industry Status Report)

<sup>7</sup> German statistics (AG Energiebilanzen) give the share in the gross national power generation as only 22.1%, in decline since 1997.

**Table 2: Nuclear Reactors in the World Listed as “Under Construction”**

(as of 31 August 2008)

Country	Units	MWe (net)	Construction Start	Planned Grid Connection
ARGENTINA	1	692	1981/07/14	2010/10/01 <sup>i</sup>
BULGARIA	2	1906		
<i>Belene-1</i>		953	1987/01/01	?
<i>Belene-2</i>		953	1987/03/31	?
CHINA	6	4220		
<i>Hongyanhe</i>		1000?	2007/08/18	?
<i>Lingao-3</i>		1000	2005/12/15	2010/08/31
<i>Lingao-4</i>		1000	2006/06/15	?
... <i>Ningde-1</i>		1000	2008/02/18	?
<i>Qinshan-II-3</i>		610	2006/03/28	2010/12/28
<i>Qinshan-II-4</i>		610	2007/01/28	2011/09/28
FINLAND	1	1600	2005/08/12	Summer 2011 <sup>ii</sup>
FRANCE	1	1600	2007/12/03	2012/05/01 <sup>iii</sup>
INDIA	6	2910		
... <i>Kaiga-4</i>		202	2002/05/10	2008/07/31 <sup>iv</sup>
... <i>Kudankulam-1</i>		917	2002/03/31	2009/01/31 <sup>v</sup>
... <i>Kudankulam-2</i>		917	2002/07/04	2009/07/31 <sup>vi</sup>
... <i>PFBR</i>		417	2004/10/23	?
... <i>Rajasthan-5</i>		202	2002/09/18	2008/06/30 <sup>vii</sup>
... <i>Rajasthan-6</i>		202	2003/01/20	2008/12/01 <sup>viii</sup>
IRAN	1	915	1975/05/01	2009/08/01 <sup>ix</sup>
JAPAN	1	866	2004/11/18	? <sup>x</sup>
PAKISTAN	1	300	2005/12/28	2011/05/31
RUSSIA <sup>xi</sup>	7	4720		
... <i>Novovoronezh-2-1</i>		1085	2008/06/24	?
... <i>BN-800</i>		750	1985 <sup>xii</sup>	?
... <i>Kalinin-4</i>		950	1986/08/01	? <sup>xiii</sup>
... <i>Kursk-5</i>		925	1985/12/01	? <sup>xiv</sup>
... <i>Severodvinsk-1</i>		30	2007/04/15	?
... <i>Severodvinsk-2</i>		30	2007/04/15	?
... <i>Volgodonsk</i>		950	1983/05/01	? <sup>xv</sup>
SOUTH KOREA	3	2880		
... <i>Shin-Kori-1</i>		960	2006/06/16	2010/08/01
... <i>Shin-Kori-2</i>		960	2007/06/05	2011/08/01
... <i>Shin-Wolsong-1</i>		960	2007/11/20	2011/05/28
TAIWAN <sup>xvi</sup>	2	2600		
... <i>Lungmen-1</i>		1300	1999	2010 <sup>xvii</sup>
... <i>Lungmen-2</i>		1300	1999	2010 <sup>xviii</sup>
UKRAINE	2	1900		
... <i>Khmelnitski-3</i>		950	1986/03/01	2015/01/01
... <i>Khmelnitski-4</i>		950	1987/02/01	2016/01/01
USA	1	1165	1972/12/01	?
<b>Total:</b>	<b>35</b>	<b>28274</b>		

Sources: IAEA PRIS, August 2008, except otherwise noted

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*Notes pertaining to Table 2*

<sup>i</sup> Date published after January 2008

<sup>ii</sup> This date refers to the new planned start-up of the plant. However, the plant owner TVO has so far reported dates for the “commercial operation” of the plant, that usually takes place several months after the initial start-up. It is possible that the new delays reported in December 2007 will postpone commercial operation to the end of 2011. (TVO, Press Release, 28 décembre 2007, see <http://www.tvo.fi/1016.htm> ). Also, the plant experienced a significant fire at the construction site in August 2008, which is believed to delay the construction by an additional several months.

<sup>iii</sup> Unofficially delayed by 9 months.

<sup>iv</sup> Delayed again from planned start-up at 2007/07/31 as of the end of 2007 (sic)

<sup>v</sup> Delayed again from previous planned start-up in December 2007

<sup>vi</sup> Delayed again from previous planned start-up in December 2008

<sup>vii</sup> Delayed again from planned start-up at 2007/06/30 as of the end of 2007 (sic).

<sup>viii</sup> Delayed again from planned start-up at 2007/12/31 as of the same date.

<sup>ix</sup> Delayed again from planned start-up at 2007/11/01 as of January 2008

<sup>x</sup> Delayed from planned start-up at 2009/12/01 as of January 2008 without new planned start-up date.

<sup>xi</sup> Balakovo-5 has been withdrawn from the list since the beginning of 2008.

<sup>xii</sup> The IAEA Power Reactor Information System (PRIS) curiously provides a new construction start date as 2006/07/18. Until 2003, the French Atomic Energy Commission (CEA) listed the BN-800 as « under construction » with a construction start-up date « 1985 ». In subsequent editions of the CEA’s annual publication *ELECNUC, Nuclear Power Plants in the World*, the BN-800 had disappeared.

<sup>xiii</sup> Delayed from planned start-up at 2010/12/31 as of end of 2007, no new date.

<sup>xiv</sup> Delayed from planned start-up at 2010/12/31 as of end of 2007, no new date.

<sup>xv</sup> Delayed from planned start-up at 2008/12/31 as of end of 2007, no new date.

<sup>xvi</sup> Data on Taiwan from [http://www.world-nuclear.org/info/inf115\\_taiwan.html](http://www.world-nuclear.org/info/inf115_taiwan.html)

<sup>xvii</sup> Delayed from original start-up date of mid-2006

<sup>xviii</sup> Delayed from original start-up date of mid-2007