U.S. Nuclear Fuel Cycle Projections 2000-2025

January 2003 (Next Release: January 2004)

U.S. Nuclear Fuel Cycle Projections, Reference Case, 2000-2025							
Year	Net Summer Capability of Operable Units[a]	Electricity Net Generation	Requirement			Spent Fuel	
			Annual Uranium	Cumulative Uranium	Enrichment Services	Annual	Cumulative
	Gigawatts Electric	Billion Kilowatthours	Million Pounds U_3O_8 Equivalent		Million SWU[b]	Thousand MTHM[c]	
2000	98.14	753.9[d]	58.49	58.49	13.31	1.93	42.33[e]
2001	98.24	768.8[d]	51.03	109.52	12.78	2.30	44.63
2002	98.63	777.0	59.07	168.59	13.70	2.16	46.80
2003	98.93	781.0	53.95	222.54	14.01	2.35	49.15
2004	99.61	787.0	57.84	280.38	14.03	2.39	51.54
2005	100.20	793.0	55.35	335.73	14.56	2.33	53.86
2006	100.40	796.0	62.72	398.46	13.53	2.44	56.30
2007	99.91	804.0	51.84	450.30	15.17	2.25	58.56
2008	99.12	797.0	60.56	510.86	13.61	2.53	61.09
2009	99.12	798.0	55.87	566.73	14.56	2.19	63.28
2010	99.31	800.0	49.06	615.79	12.93	2.37	65.65
2011	99.31	801.0	66.00	681.79	15.68	2.07	67.72
2012	99.40	803.0	51.75	733.54	12.90	2.52	70.24
2013	99.79	807.0	62.11	795.65	15.33	1.98	72.22
2014	99.25	811.0	50.53	846.18	13.44	2.53	74.75
2015	99.53	805.0	63.70	909.89	15.40	2.02	76.77
2016	99.63	806.0	49.54	959.43	14.87	2.37	79.14
2017	99.63	807.0	63.49	1,022.92	13.74	2.28	81.42
2018	99.63	807.0	48.50	1,071.41	14.10	2.09	83.51
2019	99.63	807.0	62.72	1,134.13	15.37	2.17	85.68
2020	99.63	807.0	50.57	1,184.70	13.49	2.29	87.97
2021	99.63	807.0	58.99	1,243.69	13.99	2.03	89.99

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2022	99.63	807.0	55.27	1,298.96	15.32	2.07	92.07
2023	99.63	807.0	60.83	1,359.79	13.57	2.29	94.36
2024	99.63	807.0	54.05	1,413.84	13.12	2.03	96.39
2025	99.63	807.0	52.33	1,466.17	14.23	1.96	98.35

[a] At end of period.
[b] Separative Work Units
[c] Metric tons of heavy metal.
[d] Actual data, Short-Term Energy Outlook, January, 2003, Table A8..
[e] Cumulative spent fuel as reported on Form RW-859, Nuclear Fuel Data survey, as of 12/31/98 plus 2000 MT estimated for 1999 plus the annual value for 2000.
Source: Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels; International Nuclear Fuel Cycle Model, January, 2003.

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