

Escalation Rate Assumptions for DOE Projects

Inflators to Constant Dollars for Various Years

(based upon deflators listed in table 1.3 of the historical tables of the FY 2006 budget of the US government)

Fiscal Year	2000 Deflator	Inflation Rate	Inflator to Constant dollars for Fiscal Year:					
			2007	2008	2009	2010	2011	2012
1978	0.4195	6.6%	2.8138	2.8782	2.9447	3.0129	3.0826	3.1540
1979	0.4552	8.5%	2.5931	2.6525	2.7138	2.7766	2.8409	2.9066
1980	0.5029	10.5%	2.3472	2.4009	2.4564	2.5132	2.5714	2.6309
1981	0.5562	10.6%	2.1223	2.1708	2.2210	2.2724	2.3250	2.3788
1982	0.5958	7.1%	1.9812	2.0265	2.0733	2.1213	2.1705	2.2207
1983	0.6245	4.8%	1.8902	1.9334	1.9781	2.0239	2.0707	2.1187
1984	0.6555	5.0%	1.8008	1.8420	1.8845	1.9281	1.9728	2.0185
1985	0.6781	3.4%	1.7407	1.7806	1.8217	1.8639	1.9070	1.9512
1986	0.6947	2.4%	1.6992	1.7380	1.7782	1.8193	1.8615	1.9046
1987	0.7143	2.8%	1.6525	1.6903	1.7294	1.7694	1.8104	1.8523
1988	0.7359	3.0%	1.6040	1.6407	1.6786	1.7175	1.7573	1.7979
1989	0.7631	3.7%	1.5468	1.5822	1.6188	1.6563	1.6946	1.7339
1990	0.7882	3.3%	1.4976	1.5318	1.5672	1.6035	1.6407	1.6786
1991	0.8226	4.4%	1.4350	1.4678	1.5017	1.5365	1.5720	1.6084
1992	0.8508	3.4%	1.3874	1.4191	1.4519	1.4855	1.5199	1.5551
1993	0.8725	2.6%	1.3529	1.3838	1.4158	1.4486	1.4821	1.5164
1994	0.8902	2.0%	1.3260	1.3563	1.3877	1.4198	1.4527	1.4863
1995	0.9120	2.4%	1.2943	1.3239	1.3545	1.3859	1.4179	1.4508
1996	0.9328	2.3%	1.2654	1.2944	1.3243	1.3550	1.3863	1.4184
1997	0.9508	1.9%	1.2415	1.2699	1.2992	1.3293	1.3601	1.3916
1998	0.9603	1.0%	1.2292	1.2573	1.2864	1.3162	1.3466	1.3778
1999	0.9748	1.5%	1.2109	1.2386	1.2672	1.2966	1.3266	1.3573
2000	1.0000	2.6%	1.1804	1.2074	1.2353	1.2639	1.2932	1.3231
2001	1.0233	2.3%	1.1535	1.1799	1.2072	1.2351	1.2637	1.2930
2002	1.0419	1.8%	1.1329	1.1588	1.1856	1.2131	1.2412	1.2699
2003	1.0680	2.5%	1.1052	1.1305	1.1566	1.1834	1.2108	1.2389
2004	1.0924	2.3%	1.0806	1.1053	1.1308	1.1570	1.1838	1.2112
2005	1.1206	2.6%	1.0534	1.0775	1.1024	1.1279	1.1540	1.1807
2006	1.1435	2.0%	1.0323	1.0559	1.0803	1.1053	1.1309	1.1571
2007	1.1804	3.2%	1.0000	1.0229	1.0465	1.0707	1.0955	1.1209
2008	1.2074	2.3%	0.9776	1.0000	1.0231	1.0468	1.0710	1.0958
2009	1.2353	2.3%	0.9556	0.9774	1.0000	1.0232	1.0468	1.0711
2010	1.2639	2.3%	0.9339	0.9553	0.9774	1.0000	1.0232	1.0468
2011	1.2932	2.3%	0.9128	0.9337	0.9553	0.9774	1.0000	1.0232

This table can be used to help compare budget data from different years without seeing the effect of inflation. Thus if the constant dollar amount for one budget year is greater than that of a previous year, it indicates that the program experienced “real growth”, above the rate of inflation.

To calculate constant dollars from nominal (as-spent, unadjusted for inflation) dollars, pick a base year column from the top of the table, and multiple each year's data by the inflator in that column on the row of the data year.

**Indicates new or revised guidance.*

Explanation of Escalation Factors: The current escalation table providing rates by type of project is being replaced by the OMB guidance that addresses inflation factors, as provided in the above table. This change is being made because the project specific factors previously provided are not sufficiently precise for the baseline estimates required at CD-2 under DOE O 413.3, while, at the same time, providing more detail than necessary for cost range estimates at CD-0 and CD-1.

These OMB factors are appropriate for use, and should be used, for cost range estimates at CD-0 and CD-1. For cost estimates at CD-2 (i.e. Performance Baseline), the OMB factors should be considered but not used as the sole basis of estimate. In this case, as with previous DOE guidance, local inflation rates and other factors should also be considered. For example for a CD-2 estimate, it would be prudent to assess materials differently, e.g. steel may have a different inflation rate. Engineering News Record is one source for this information. The use of local factors and other information is consistent with previous guidance.

The above table, which is available on the DOE Intranet (<http://crinfo.doe.gov/officedocs/me30/>), is interactive; i.e., the fiscal years can be changed to obtain factors for those years.