

EU-US ITER Cost Estimate 2017

	First Plasma	First DT	Total ITER Cost Inferred
EU			
Euratom [1]	13.2 BEuros	18.1 B Euros	
FR Regional	Unknown		
FR Local [(2)]	0.5 BEuros	0.5 B Euros	
	13.7 BEuros	18.6 B Euros	
Operations Costs		1.6 B Euros	
Total Construction Cost estimate		17 B Euros	
	1Euro = 1.1 USD	18.7 B USD	42 B\$
			18.7/0.45
US ITER Cost Estimates [3]			
CD-0	July 7, 2005		
CD-1	January 15, 2008	1.45 to 2.2 B\$	
CD-2*	January 13, 2017	Total 4.7 to 6.5 B\$	52 to 71 B\$
			4.7/0.09 to 6.5/0.09
*US ITER is now three Projects	January 13, 2017 January 13, 2017 January 13, 2017	SP-1 0 to 1st Plasma SP-2 1st Plasma to D-T Cash Contribution start to finish	2.5 B\$ 1.1 to 1.7† B\$ 1.1 to 2.3† B\$
			Approved Baseline
		† Preliminary estimates, not independently validated	
		US Share/EU Share Relative to Agreement	1.24 to 1.7

Note: US cost estimate includes a contingency of 20% to 60%, while the EU estimate does not. This accounts for most of the discrepancy between US and EU estimates of their agreed upon share.

Based on documents below:

[1] EU CONTRIBUTION TO A REFORMED ITER PROJECT-{SWD(2017) 232 final}-Euratom to EU Council June 14, 2017
https://ec.europa.eu/energy/sites/ener/files/documents/eu_contribution_to_a_reformed_iter_project_en.pdf

[2] ITER France Website

[3] http://www.firefusionpower.org/US_ITER_Request_CD2-3_Action_Memo.pdf

[4] http://www.firefusionpower.org/DOE_US_ITER_May_2016.pdf

Dale Meade, Updated 11/20/2017