History of Cost Overruns

It is more than legend that the original wave of U.S. nuclear power plants ordered in the 1960’s and 1970’s experienced massive cost overruns compared to original estimates.

The U.S. Energy Information Agency (EIA) studied the record of this generation of plants (but did not include the worst cases such as Comanche Peak, Seabrook, and Vogtle), breaking up the results into two-year periods. EIA set out to compare original estimates to actual costs (levelized to constant dollars), and the results were dramatic. It was not a few isolated cases, but a clear pattern of an industry that regularly and catastrophically underestimated its costs:

The EIA found average actual realized nuclear construction costs were 209% - 380%, i.e. over 2 to almost 4 times, the estimates originally presented at start of construction:

![Average Estimated and Realized Overnight Costs of Nuclear Power Plants By Year of Construction Start, 1966-1977 (1982 Dollars per Kilowatt-Electric)]

If you hired a contractor to build homes for you and he regularly ran 2 to 4 times his budget, you would fire him. We know the utility industry did in fact walk away from the nuclear industry, for 30 years.