

Table 2-7. Solid Rocket Boosters Funding History (in thousands of dollars)

Year (Fiscal)	Submission	Authorization	Appropriation	Programmed (Actual)
1979	63,500	63,500	<i>a</i>	115,400
Suppl. Appropriation	<i>b</i>	36,700 <i>c</i>	<i>d</i>	
1980	57,500	57,500	<i>e</i>	65,200
Suppl. Appropriation <i>f</i>	—	—	—	
1981	14,000	14,000	14,000	50,500
1982 Propulsion Systems <i>g</i>	17,000	17,000	17,000	22,000
Flight Hardware <i>g</i>				156,200
1983 Propulsion Systems <i>g</i>	<i>h</i>	<i>h</i>	<i>h</i>	102,300
Flight Hardware <i>g</i>				309,200
1984 Propulsion Systems	<i>i</i>	<i>i</i>	<i>i</i>	140,500
Flight Hardware	<i>i</i>	<i>i</i>	<i>i</i>	341,200
1985 Propulsion Systems	<i>j</i>	<i>j</i>	<i>j</i>	105,100
Flight Hardware	<i>j</i>	<i>j</i>	<i>j</i>	298,600
1986 Propulsion Systems	<i>k</i>	<i>k</i>	<i>k</i>	328,500
Flight Hardware	<i>k</i>	<i>k</i>	<i>k</i>	335,000
1987 Propulsion Systems	<i>l</i>	<i>l</i>	<i>l</i>	322,100
Flight Hardware	<i>l</i>	<i>l</i>	<i>l</i>	144,300
1988 Propulsion Systems	<i>m</i>	<i>m</i>	<i>m</i>	161,200
Flight Hardware	<i>m</i>	<i>m</i>	<i>m</i>	200,500

a Not distributed by element/vehicle—1979 R&D appropriation = \$3,477,200,000.

b No breakout of Supplemental Appropriation submission; included in general R&D request of \$185,000,000.

c Breakdown of supplemental authorization not provided in budget request or public law. Breakdown provided in supporting documentation for authorization only.

d Supplemental Appropriation for general R&D activities.

e Undistributed. Included in 1980 R&D appropriation of \$4,091,086,000.

LAUNCH SYSTEMS

Table 2-7 continued

- f* Supplemental appropriation for Space Shuttle in response to amended NASA budget submission of \$300,000,000. No authorization activity. Supplemental appropriation of \$285,000,000 approved with no distribution to individual components.
- g* Propulsion Systems and Flight Hardware budget categories were not used in NASA's budget prior to 1984. However, programmed amounts used these categories to be consistent with categories used in estimates for the future years.
- h* No budget item listed. Supporting committee documentation included SRB in Space Shuttle Production category with no amount specified. Total Production amount: submission = \$1,585,500,000; authorization = \$1,670,500,000; and appropriation = \$1,636,600,000.
- i* No specific authorization for SSME, external tank, or SRB. According to congressional reports, the Space Transportation and Capability Development program supported the production of the SSME, SRB, and external tank, in addition to providing for critical spares (as well as other items). The total authorization for this category = \$2,009,400,000. Category also included continuing "capability development tasks for the orbiter, main engine, external tank, and SRB, . . ." and "the development of the filament wound case (FWC) SRB." Appropriation moved from R&D to SFC&DC = \$1,545,000,000. Some Space Shuttle funding was included in the Flight Hardware category (see above for definition): submission = \$848,400,000; authorization undistributed, included in Shuttle Operations authorization of \$1,495,600,000; and appropriation (moved to SFC&DC) undistributed, included in Shuttle Operations appropriation = \$1,520,600,000. Appropriation moved from R&D to SFC&DC = \$1,545,000,000.
- j* SSME production and residual development tasks for the orbiter, SSME, external tank, and SRB fell under Space Production and Operational Capability, Propulsion Systems. SRB and external tank procurement (production) fell under Space Transportation Operations, Flight Hardware. No breakdown for individual Space Shuttle propulsion components. The 1985 amount for Propulsion Systems was: submission = \$599,000,000; authorization = \$599,000,000; and appropriation = \$599,000,000. Authorization for submission = \$758,000,000. Procurement of external tank, solid rocket motor, and SRB hardware included in Space Transportation Operations Program, Flight Hardware amount of \$758,000,000; appropriation = \$758,000,000. SSME production and residual development tasks for the orbiter, SSME, external tank, and SRB fall under Space Production and Operational Capability, Propulsion Systems. SRB and external tank procurement (production) fell under Space Transportation Operations, Flight Hardware. Flight Hardware submission = \$758,000,000; authorization = \$758,000,000; and appropriation = \$758,000,000.
- k* No breakdown for individual Space Shuttle propulsion components. The 1986 amounts for Propulsion Systems were: submission = \$454,000,000; authorization = \$454,000,000; and appropriation = \$454,000,000. No Flight Hardware budget category in 1986.
- l* No breakdown for individual Space Shuttle propulsion components. The 1987 amounts for Propulsion Systems were: submission = \$338,400,000; authorization = \$338,400,000; and appropriation = \$338,400,000. Flight Hardware submission = \$646,200,000; authorization = \$879,100,000; and appropriation = \$646,200,000.
- m* No breakdown for individual Space Shuttle propulsion components. The 1988 amounts for Propulsion Systems were: submission = \$552,100,000; authorization = \$552,100,000; and appropriation = \$249,300,000. Funds deleted from Propulsion Systems: \$302,800,000 appropriated moved to Launch and Mission Support category. Flight Hardware submission = \$923,100,000; authorization = \$923,100,000; and appropriation = \$923,100,000.