
Appendix B
Cost Estimates in Current Dollars

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Appendix B

Cost Estimates in Current Dollars

INVESTMENT AND SAVINGS IN "THEN-YEAR" DOLLARS

Table B-1 shows the investment required, in current ("then-year") dollars, for each option OTA considered, as well as its undiscounted savings in life-cycle cost compared to the estimated life-cycle cost of the Interim Option with Titan IV. A constant inflation rate of 4.2 percent per year — the projected gross national product inflation rate — was as-

sumed. Historically, space system prices have inflated at rates between one and two times the GNP inflation rate.

Table B-1 may be compared with table 7-8 of ch. 7, which shows corresponding investment and savings, discounted 5 percent per year, in constant 1988 dollars.

Table B-1. – Investment and Savings in When-Year? Dollars

<u>Mission Model</u>	<u>Option</u>	<u>Nonrecurring Cost</u>	<u>Savings or (Loss)</u> *	
Low-Growth	Enhanced Baseline	\$2.1B	\$16B	
	Interim option with Titan IV	\$0.9B	\$0B	
	Titan V	\$2.8B	\$13B	
	Shuttle-C	\$2.1B	(\$18B)	
	Transition Vehicle	\$12B	\$46B	
	Advanced option with Advanced Launch System Shuttle II	\$31B \$37B	\$25B \$29B	
Growth	Interim option with Titan V	\$3.5B \$4.9B	\$0B \$11B	
	Shuttle-C	\$4.2B	(\$38B)	
	Transition Vehicle	\$14B	\$77B	
	Advanced option with Advanced Launch System Shuttle II	\$34B \$40B	\$56B \$29B	
	Expanded	Interim option with Titan IV	\$10B	\$0B
		Titan V	\$10B	\$3.8B
Shuttle-C		\$9.4B	(\$110B)	
Transition Vehicle		\$20B	\$180B	
Advanced option with Advanced Launch System Shuttle II		\$40B \$47B	\$160B \$29B	

*Relative to Interim option with Titan IV.
SOURCE OTA and Boeing Aerospace Co.

FUNDING PROFILES IN "THEN-YEAR" DOLLARS

Figure B-1. -Funding Profile for Enhanced Baseline Option

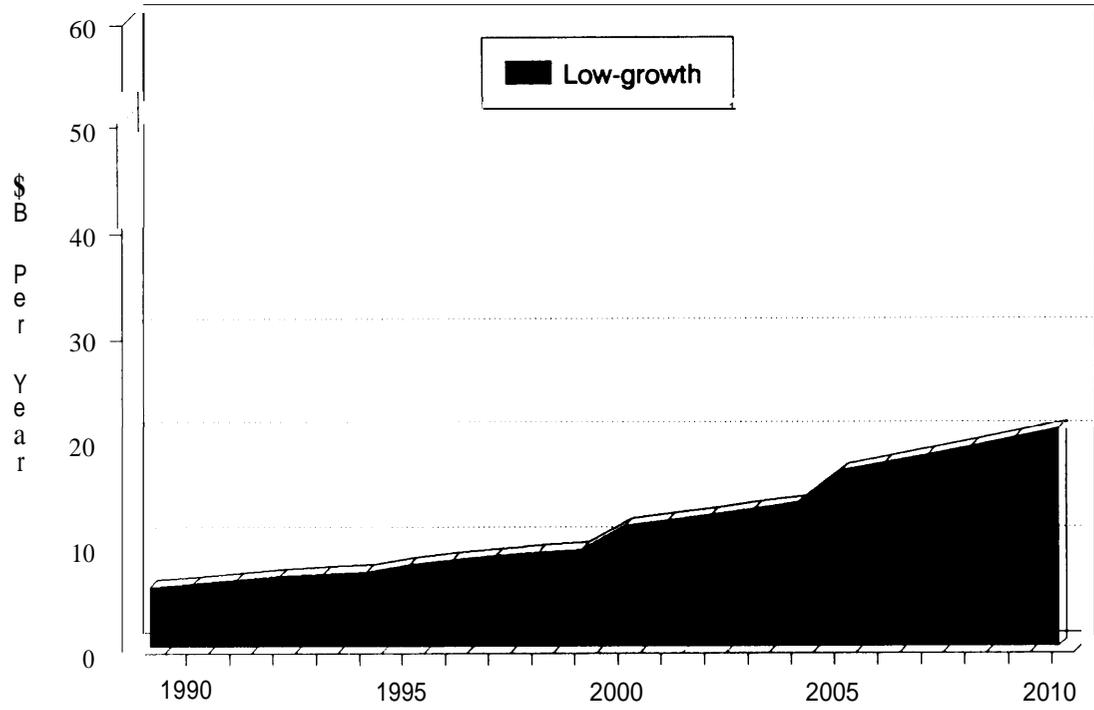


Figure B-2. – Funding Profiles for Interim Option with Titan IV

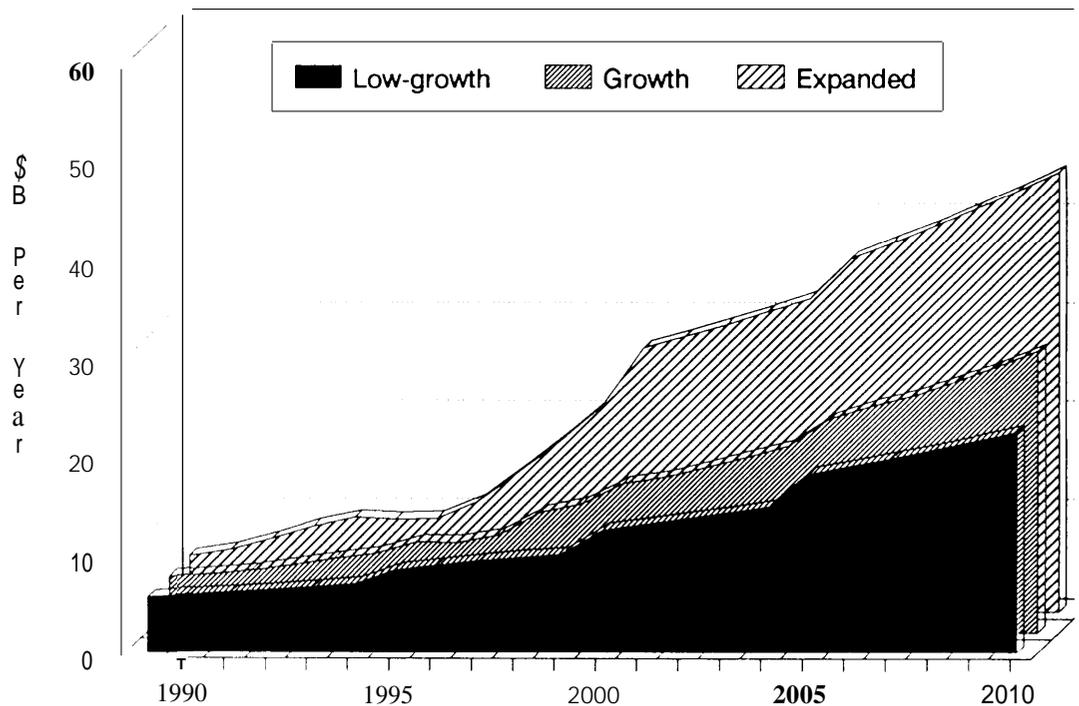


Figure B-3. – Funding Profiles for Interim Option with Titan V

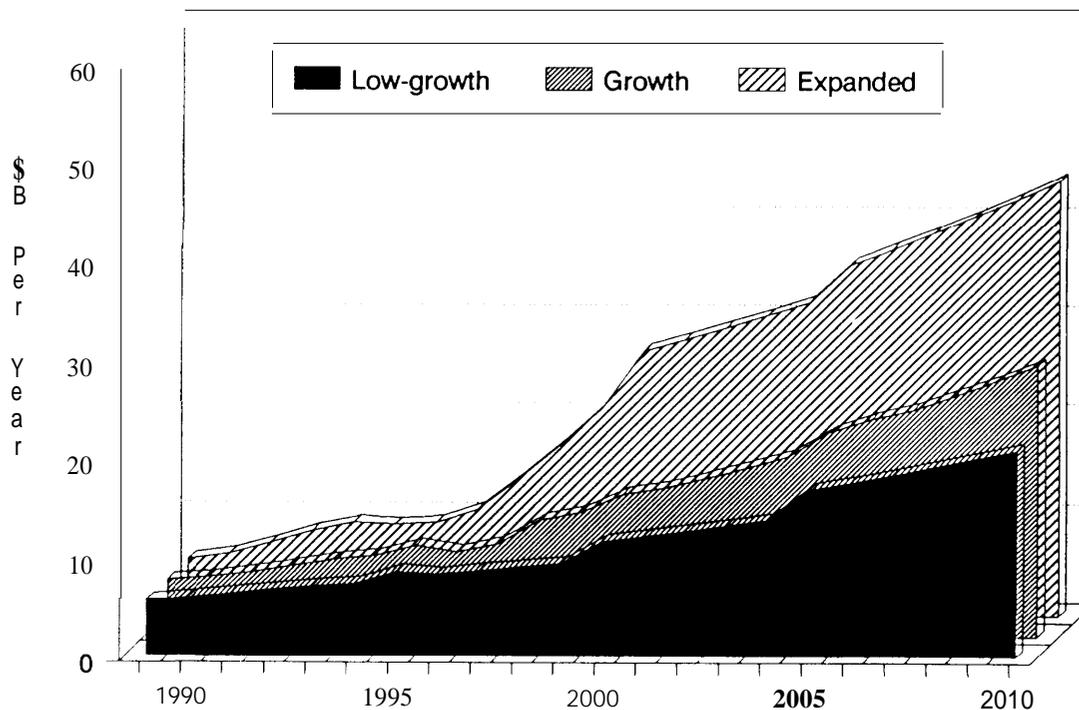


Figure B-4. - Funding Profiles for Interim Option with Shuttle-C

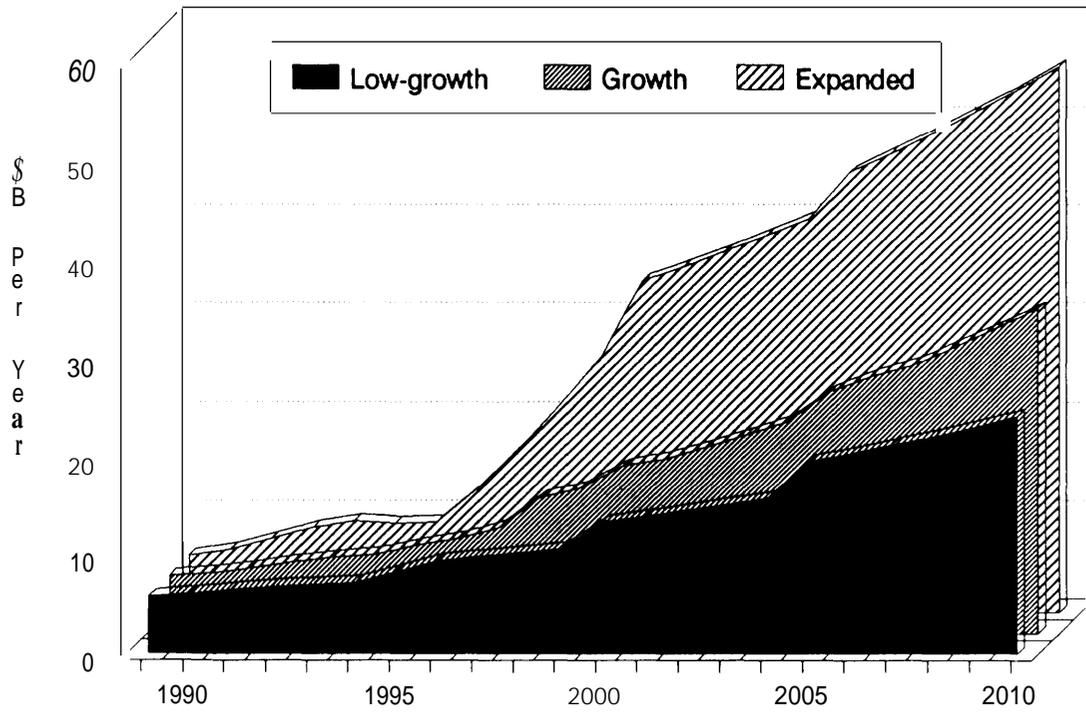


Figure B-5. - Funding Profiles for Interim Option with Transition Launch Vehicle

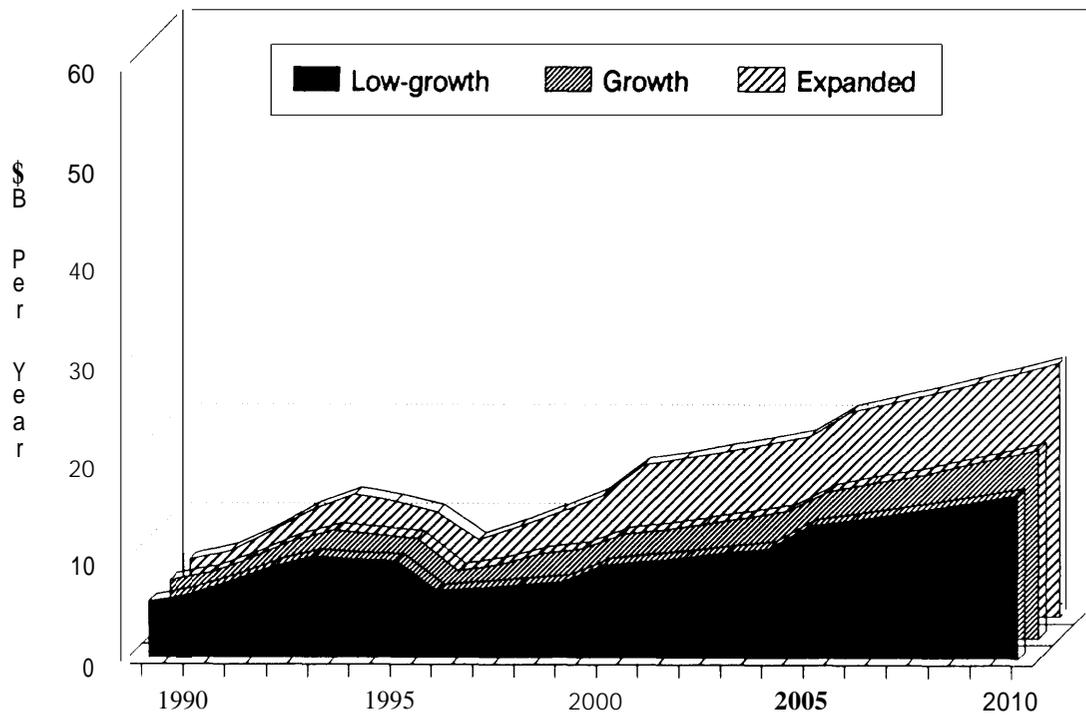


Figure B-6.— Funding Profiles for Advanced Option with Advanced Launch System

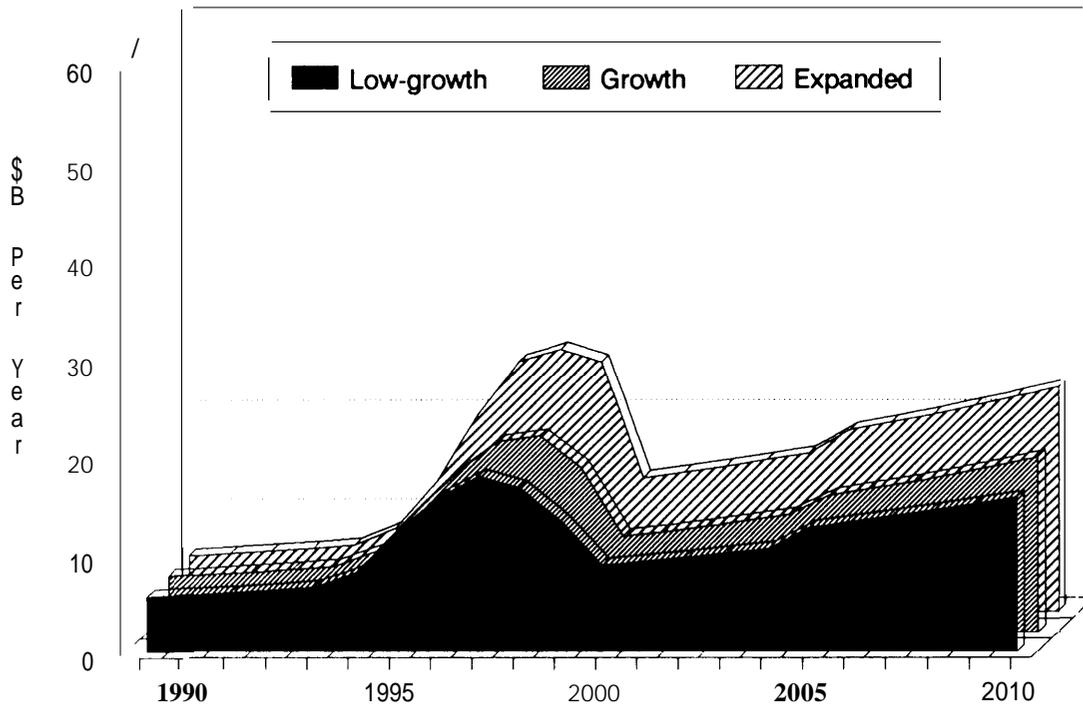


Figure B-7. - Funding Profiles for Advanced Option with Shuttle 11

