

SOURCES OF FINANCING ANNUAL CAPITAL OUTLAYS

A sample of 50 health research facilities projects provided the following percentages of resources for meeting the grantees' construction costs. These percentages pertain to *total* construction costs of which the health-related research portion (Federal and non-Federal shares) represents approximately half.

	Percent
(a) State appropriations.....	31.2
(b) Gifts, bequests, donations, drives.....	14.9
(c) Federal-HRF program.....	25.1
(d) Other Federal programs.....	¹ 4.5
(e) State grants-in-aid.....	
(f) Tax-exempt municipal bonds (public).....	
(g) Capital flotations (private).....	.2
(h) Federal Government loans.....	
(i) Grantees' funds.....	24.1
Total.....	100.0

¹ Not eligible for matching under the HRF program.

D. NEEDS AND PROSPECTIVE CAPITAL OUTLAYS

Year-by-year estimates of 1966-75 capital requirements for health research facilities and structures are presented below. These estimates are based on related projections of research expenditures, graduate enrollment, Ph. D. output in sciences related to health, and postdoctoral training; they assume a backlog of needs amounting to \$500 million as of June 30, 1965. While primarily reflecting program needs of the health research facilities program, the projections assume some additional, though limited, non-Federal investments beyond those used for matching purposes under Federal programs.

Projections of health research facility needs, 1966-75¹

Year	Amount (millions)	Area (net square feet)
1966.....	\$170	3,200
1967.....	336	5,500
1968.....	326	5,300
1969.....	323	5,300
1970.....	334	5,300
1971.....	388	6,000
1972.....	461	6,700
1973.....	482	6,900
1974.....	496	7,000
1975.....	497	6,900
Total.....	3,813	58,000
Backlog, June 30, 1965.....	500	
Grand total.....	4,313	

¹ Limited to the public (non-Federal) and nonprofit sector.

The \$4.3 billion total reflects the research facilities of those public and nonprofit institutions presently eligible to participate in the health research facilities program.

The public (non-Federal) and nonprofit sector currently accounts for more than three-fifths of all professional workers engaged in research and health-related research. It is estimated that by 1975,