APPENDIX

Regression Equations and Basic Data Used in Deriving the 1975 Projections of State and Local Government Expenditures for Structures and Equipment

The following model was used as the basis for the projections, with all data on a national income and product accounts basis:

$ \begin{array}{llllllllllllllllllllllllllllllllllll$	60-66 50-66 56-66 51-66 60-66 62-66 54-66
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	50-68 51-68 51-68 60-65 62-68 54-68
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	50-68 51-68 51-68 60-65 62-68 54-68
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	56-68 51-68 60-65 62-68 54-68
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	51-66 60-65 62-66 54-66
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	51-66 60-65 62-66 54-66
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	60-65 62-65 54-65
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	62-68 54-68 53-68
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	54-68 53-68
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	53-68
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	53-68
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
15) $NC_C = S_C - O_C$	58-68
15) $NC_C = S_C - O_C$ 611	
16) $O_{\alpha} = 168 \pm 018t \ (t - 0) \text{ for } 1060)$	
011	55-68
17) $\log I_S = -1.267 + 1.624 \log I_{GNP}$	59-68
18) $\log I_{RQ} = 1.632 + .185 \log I_{GNP}$.728	58-68
19) $S=S_C \times I_S$	
$EQ = EQ c \times I_{EQ}$	
E = S + EQ	
22) NC=S-0	
23) $O = .165 + .019t$ ($t = 0$ for 1960)626	56-65
	200

(1)		beate and rocal government expenditures, in billions of current donars.
	R	State and local government receipts, in billions of current dollars.
	Ū	State and local government surplus or deficit, in billions of current dollars.
(2)	PT	State and local government personal taxes, in billions of dollars.
٠,	PrT	State and local government property taxes, in billions of dollars.
	OT	State and local government taxes other than personal and property, in billions of dollars.
	FG	Federal grants-in-aid to State and local governments, in billions of dollars.
(3)	PI	National personal income, in billions of dollars.
(3) (4) (5)	WSR	State and local government wages and salaries for education, in billions of dollars.
ζ <u>5</u> ί	\widetilde{WS}_{EP}	State and local government wages and salaries for education per schoolage person (ages 5-21.
(0)	., ~ BI	inclusive).
	P	Schoolage population (ages 5-21, inclusive).
(7)	GNP	Gross national product, in billions of dollars.
(7) (9)	$SEQ_{\mathcal{C}}$	State and local government purchases of structures and equipment, in billions of 1958 dollars
,	Sc	State and local government purchases of structures, in billions of 1958 dollars.
	EQ_C	State and local government purchases of equipment, in billions of 1958 dollars.
11)	$I_{\mathcal{B}}$	Implicit price deflator for State and local government expenditures, represented by the implicit price deflator for goods and services purchased by these governments (1958=100).
12)	I_{GNP}	Implicit GNP price deflator (1958=100).
15)	$NC_{\mathcal{C}}$	State and local government purchases of new construction, in billions of 1958 dollars.
	Oc ·	State and local government purchases of "other" structures than new construction, in billions of 1958 dollars.
17)	$I_{\mathcal{S}}$	Implicit price deflator for State and local government expenditures for structures (1958=100).
18)	I_{EQ}	Implicit price deflator for State and local government expenditures for equipment (1958=100).
19)	\mathbf{s}	State and local government expenditures for structures, in billions of current dollars.
20)	EQ	State and local government expenditures for equipment, in billions of current dollars.
21)	SE	State and local government expenditures for structures and equipment, in billions of current
		dollars.
22)	NC	State and local government expenditures for new construction, in billions of current dollars.
23)	0	State and local government expenditures for "other" structures than new construction, in billions of current dollars.