090537 RELEASED

Ly had concern a concernment

7620687

不.

COMPT ROLLER GENERAL OF THE UNITED STATES
WASHINGTON, D.C. 200-1

090537

B-114874

1975

The Honorable Leo Ryan House of Representatives



Dear Mr. Ryan:

As you requested, we have developed estimates of mail volume, Postal Service expenses, and first-class postage under various subsidies for fiscal years 1976, 1977, and 1978, the period covered by the current Postal Service labor agreement? On Deptember 15, 1975, we briefed a member of your staff on our estimates.

52

We have forecast three different situations for each year for subsidies ranging from zero to \$2.6 billion (the amount provided in H.R. 8603, as originally introduced), and projected the price of first-class postage for each situation.

For example, our forecast for tiscal year 1978 (see enc. VIII), which assumes a total of 95.61 billion pieces of mail, an inflation rate of 8 percent, and annual productivity increases of 0.7 percent, indicates that with subsidies of zero, \$1 billion, and \$2.6 billion the price of first-class postage would have to be \$0.15, \$0.16, and \$0.11, respectively, to recover expenses. The effect of inflation can be seen by considering that in terms of 1975 dollars, first-class postage for the three subsidy levels would be \$0.14, \$0.12, and \$0.09.

We also estimated the recently ratified National Labor "Agreement's effects on the average cost of compensation and benefits for postal employees. The agreement, covering July 1975 to July 1978, provides in part that the employees' base salary would undergo four increases by a specified amount during the period and could further increase twice a year with increases in the Consumer Price Index. There is to be a one-cent per-hour increase for each four-tenths-of-a-point increase over the June 1975 index. Using an inflation rate of 8 percent, we project a rise in costs (salary, overtime, fringe benefits) from an average of \$14,400 per employee in fiscal year 1975 to \$18,700 in fiscal year 1978. (See enc. IX.)

GGD-76-19

9-04056 090537

#### METHODOLOGY

The methodology used to estimate the price of first-class postage was the same as discussed on pages 2 and 3 of append.x I of our report "Forecast of Postal Service Self-Sufficiency Potential" (GGD-75-58, Feb. 20, 1975). (Your office has been provided with a copy of this report.) However, we had to update the equations used to estimate both expenses and revenue; these equations are included in enclosure X to this letter.

We also modified some of the assumptions used in our previous report to reflect current forecasts of the U.S. economic situation. The following discussion provides the rationale for in assumptions.

#### Disposable personal income

Since our February 1975 report was issued, estimates of growth in disposable personal income have been lowered. Because this growth is a major factor in our volume equation, recent figures were obtained from the national economic model developed by Data Resources Institute Incorporated.

#### Inflation

An assumption as to future inflation rates was resulted, to estimate the cost of the new labor agreement (for example, in computing the amount of cost-of-living increases) and to provide a common basis for working with dollars expressed in terms of different years. Estimates of future inflation have also been revised since our previous report was issued. The figure we selected, 8 percent per year, is higher than the rates used before.

#### Volume

We also developed estimates of the price of first-class postage based on recently released Postal Service forecasts of mail volume. As shown in enclosure II, these estimates are lower than ours. We had no time to determine the reasons for differences between our volume estimates and those of the Postal Service.

#### Productivity

In our previous report, we developed estimates assuming increases in productivity of 0.7 percent, 2 percent, and 3 percent to show the effect of changes in productivity on the price of a first-class stamp. Increases in productivity of 0.7 percent represent the most likely case, so our current estimates are based on that rate.

The enclosures contain copies of the charts we used in briefing your staff, and set forth the possibilities indicated by our analysis.

Forecasting necessitates making assumptions as to conditions during the forecast period and reactions to these conditions. Once the assumptions have been accepted, a technique to develop the forecast can be adopted. The forecasts must be viewed in terms of these assumptions. They do not represent certainties, but possibilities. Consequently, the forecasts set forth what the situation might be, rather than what it will be.

As your office requested, we have not obtained agency comments.

Sincerely yours

Comptroller General of the United States

Enclosures - 10

ENCLOSURE I ENCLOSURE I

Mail volume estimates based on

- --historical data,
- --disposable personal income, and
- --number or families and individuals.

1

# GAO AND POSTAL SERVE VOLUME ESTIMATES

	Postal Serv
<u>FY</u>	(bi
1976	86.00
1977	83.70
1978	82.∋0

The statements on page 3 of this report of this enclosure.

Copy microfilmed was of poor quality.

2

ENCLOSURE III ENCLOSURE III

Expense estimates based on

- --historical data,
- --estimated mail volume,
- --productivity of 0.7 percent, and
- --inflation of 8 percent.

ENCLOSURE IV

# EXPENSE ESTIMATES FOR CONTRACT YEARS

	Ex	Expense		
<u>FΥ</u>	1975 dollars	Current year's dollars		
	(bi	llions)		
1976	\$12.07	\$13.04		
1977	11.92	13.91		
1978	12.05	15.18		

The statements on page 2 of this report are an integral part of this enclosure.

ENCLOSURE V > \_ ENCLOSURE V

# COMPARISON OF EXPENSES USING GAO

## AND POSTAL SERVICE VOLUME ESTIMATES

Fï	Expenses in l Postal Service		
<u></u>		illions)	
1976	\$11.70	\$12.07	
1977	11.19	11.92	
1978	11.16	12.05	

The statements on page 3 of this report are an integral part of this enclosure.

ENCLOSURE VI ENCLOSURE VI

## IMPACT OF VARIOUS SIBSIDY LEVELS ON

## COST OF FIRST-CLASS STAMP

# FY 1976

	Cost of first-class stamp			
	Based			
	Postal S	Service	Based o	
	volume e		volume e:	
		1976		1976
	1975		1.9 75	dollars
·	dollars	( <u>note a</u> )	dellars	(note a)
No subsidy	\$0.15	\$0.17	\$0.14	\$0.15
\$1 billion subsidy	.13	.18	.12	.13
Subsidy in H.R. 8603 (note b)				
(\$2.6 billion)	.09	.10	.08	.08

a/Assumes inflation rate of 8 percent.

b/As originally introduced.

The statements on page 3 of this report are an integral part of this enclosure.

ENCLOSURE VII ENCLOSURE VII

## IMPACT C? VARIOUS SUBSIDY LEVELS ON

#### COST OF FIRST-CLASS STAMP

## FY 1977

	Cost of first-class stamp			
	Based	on		
•	Postal :	Service	Based o	on GAO
	volume e:	stimates	volume es	stimates
		1977		1977
	1975	dollars	15 /5	dollars
	dollars	$(\underline{note a})$	dollars	(note a)
No subsidy	\$0.16	\$0.18	\$0.14	\$u.16
\$1 billion subsidy	.13	.16	.12	.14
Subsidy in H.R. 8603 (rote b)				
(\$2.6 billion)	.10	.11	.08	.10

\_a/Assumes 1:iflation rate of 8 percent.

M/As originally introduced.

The statements on page  $\mbox{\ensuremath{\circ}}$  of this report are an integral part of this enclosure.

## IMPACT OF VARIOUS SUBSIDY LEVELS ON

## COST OF FIRST-CLASS STAMP

# FY 1978

	Cos	t of first	-class sta	qme
	Based	on		
	Postal :	Service	Based o	on GAO
	volume e	stimates	volume es	stimates
		1978		1978
	1975	dollars	1975	dollars
	. <u>iollars</u>	( <u>note a</u> )	<u>colla:s</u>	(note a)
No subsidy	\$7.16	\$0.20	\$0.14	\$0.18
\$1 billion subsidy	14	.18	.12	.16
Subsidy in H.R. 8603 (note b)				
(\$2.6 billion)	.11	.14	.09	.11

a/Assumes inflation rate of 8 percent.

b/As originally introduced.

The scarements on page 3 of this report are an integral part of this enclosure.  $\ensuremath{^{\vee}}$ 

ENCLOSURE IX ENCLOSURE IX

#### ESTIMATED L'PAC' 1975-7º NACION L LABOR AGREEMENT ON

#### OSTS FOR EMPLOYEES

Average compensation and benefit costs per employee (note a)

FΥ	1975	\$ 14,400
FΥ	1976	16,100
FY	1977	17,100
.τγ	1978	18.700

#### Notes:

- All data includes casuals.
- 2. Assumes increase in Consumer Price Index of 8 percent per year.
- cent per year.

  3. Assumes FY 1975 overtime levels continue through each of the contract years.
- Assumes cost-of-living adjustments are effective one month after month on which adjustments are based.
- Assumes cost-of-living increases within a year are of equal amount.
- 6. Assumes expenses due to basic pay and cost-of-living adjustments accrue on a monthly casis (except for payments against unfunded liability to cavil service retirement fund).
- a/Includes regular pay, overtime pay, and such benefit co is to Postal Service as
  - --health benefits,
  - --life insurance premiums,
  - -- retirement (including unfunded liability contributions),
  - --workman's compensation, and
  - -- unemployment compensation.

The statements on page 3 of this report are an integral part of this enclosure.

ENCLOSURE X ENCLOSURE X

# EQUATIONS USED IN PREPARING ESTIMATES

(Computed value i.. parentheses)

1. Postal volume

Postal expenses

3. Postal revenue

WHERE:

DPI = Disposable personal income in 1973 constant dollars using the gross national product (GNP) price deflator.

Econ = Dummy variable inserted to correct for unusual economic conditions in 1974 and 1975.

FAMIND = Number of families and unrelated individuals.

P = Cost of first-class stamp (in 1975 constant dollars using GNP price deflator) lagged 1 year.

pd = Productivity measured in pieces or mail per paid man-year.

' = Number of pieces of mail, all classes.