

April 10, 2019

The Honorable Ted Deutch United States House of Representatives Washington, D.C. 20515

The Honorable Mazie K. Hirono United States Senate Washington, D.C. 20510

Dear Representative Deutch and Senator Hirono:

I am writing in response to your request for estimates of the financial effects on the Social Security (OASDI) program assuming enactment of the "Protecting and Preserving Social Security Act," which you introduced today in both the House of Representatives and the Senate. These Bills (hereafter referred to as the proposal) include three provisions with direct effects on the Social Security trust funds. We have enjoyed working closely with Joel Richard and Ben Strand of your staffs in developing this proposal to meet your goals. The estimates and analysis provided here reflect the combined effort of many in the Office of the Chief Actuary, but most particularly Karen Glenn, Chris Chaplain, Daniel Nickerson, Kyle Burkhalter, Anna Kirjusina, Katie Sutton, and Tiffany Bosley.

The enclosed tables provide estimates of the effects of enacting the three provisions of the proposal on the cost, income, and combined trust fund reserves for the Old Age, Survivors, and Disability Insurance (OASDI) program, as well as estimated effects on retired worker benefit levels for selected hypothetical workers and effects on payroll tax levels. In addition, tables 1b and 1b.n provide estimates of the federal budget implications of the three provisions. We estimate that the effects of enacting the proposal would be sufficient to extend the projected year of reserve depletion for the combined OASI and DI Trust Funds from 2034 to 2053, under the intermediate assumptions of the 2018 Trustees Report.

The proposal includes three basic provisions with direct effects on the OASDI program. The following list identifies each provision with the corresponding section number in the proposal:

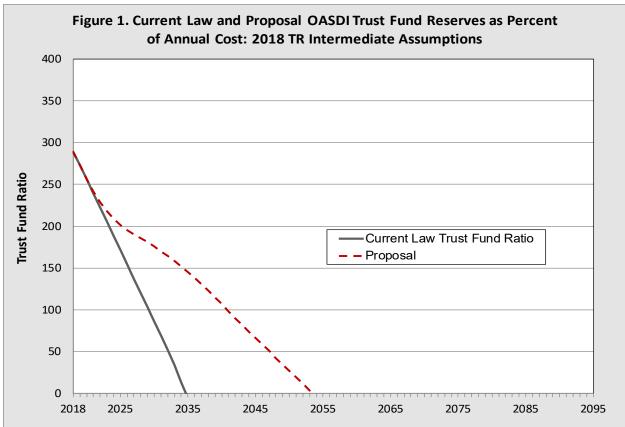
Section 102. Use the Consumer Price Index for the Elderly (CPI-E) increase rather than the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) increase to calculate the cost-of-living adjustment (COLA), effective for December 2021 and later COLAs.

Section 201 and Section 202. Eliminate the OASDI taxable maximum in 2020 with the tax rate above the current law maximum increasing in seven approximately equal steps starting for 2020 and reaching the full 12.4 percent for 2026 and later. Establish a second component of the primary insurance amount using a secondary average indexed monthly earnings ("AIME+") reflecting only additional earnings taxed above the current-law taxable maximum.

The balance of this letter provides a summary of the effects of the three provisions on the actuarial status of the OASDI program, our understanding of the specifications and intent of each of the three provisions, and descriptions of our detailed financial estimates for trust fund operations, benefit levels, and implications for the federal budget. See the "Specification for Provisions of the Proposal" section of this letter for a more detailed description of these three provisions.

### Summary of Effects of the Proposal on OASDI Actuarial Status

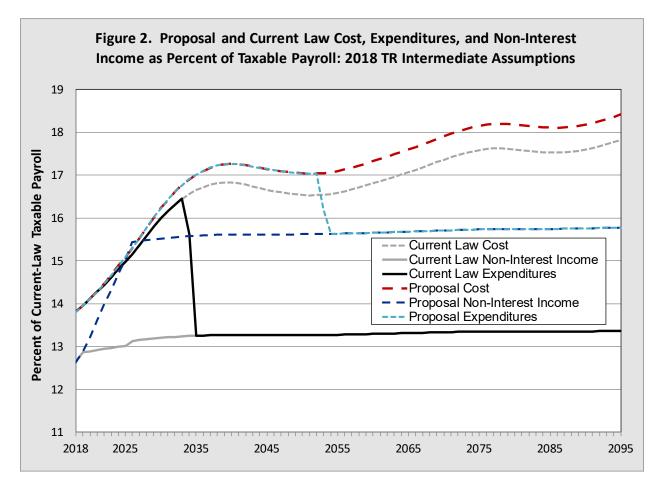
Figure 1 illustrates the projected OASDI trust fund ratio through 2092 under current law and assuming enactment of the proposal. The trust fund ratio is defined as the combined OASI and DI Trust Fund reserves expressed as a percent of annual program cost. Assuming enactment of the proposal, we estimate the year of depletion of the combined OASI and DI Trust Fund reserves would be extended from 2034 under current law to 2053, under the intermediate assumptions of the 2018 Trustees Report.



Note: *Trust Fund Ratio* for a given year is the ratio of reserves in the combined OASI and DI Trust Funds at the beginning of the year to the cost of the program for the year.

Under current law, 79 percent of scheduled benefits are projected to be payable on a timely basis in 2034 after depletion of the combined trust fund reserves, with the percentage payable equal to 79 percent for 2053 and declining to 74 percent for 2092. Under the proposal, the OASDI program would be able to pay 100 percent of scheduled benefits through 2052, and 91 percent in 2053 after combined trust fund reserve depletion, with the percentage payable declining to 86 percent in 2092. Enactment of the three provisions of this proposal would reduce the long-range OASDI actuarial deficit of 2.84 percent of taxable payroll under current law to 1.08 percent of payroll under the proposal.

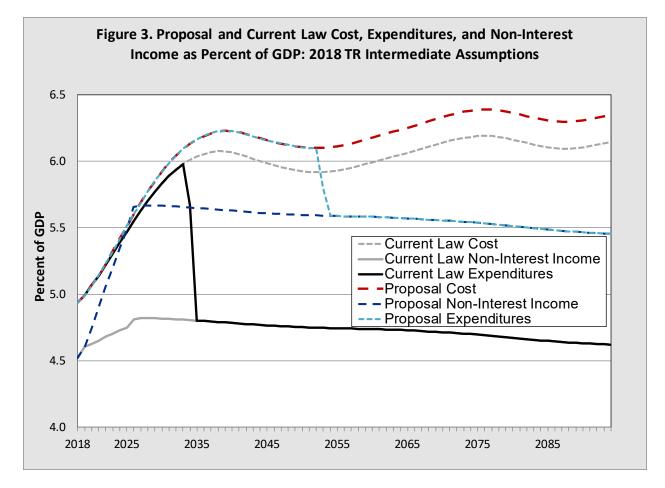
Figure 2 illustrates annual projected levels of cost, expenditures, and non-interest income as a percent of the current-law taxable payroll. The projected level of cost reflects the full cost of scheduled benefits under both current law and the proposal. Under the proposal, projected expenditures equal the full cost of scheduled benefits through 2052, the year prior to combined trust fund reserve depletion.



OASDI program cost is higher under the proposal than under current law, starting in 2022. This difference in program cost increases from 0.03 percent of current-law payroll for 2022 to about 0.5 percent of current-law payroll for 2043, and thereafter increases more gradually, reaching 0.6 percent of current-law payroll by 2092. Beginning in 2020, non-interest income under the proposal is also higher than under current law, with the difference growing from 0.3 percent of

current-law payroll for 2020 to 2.3 percent of current-law payroll for 2026, and thereafter increasing very gradually, reaching 2.4 percent of current-law payroll by 2092. The proposal improves the annual balance (non-interest income minus program cost) by 2.0 percent of payroll for 2034, with the improvement declining to 1.8 percent of payroll for 2092. Under the proposal, the annual deficit declines (improves) from 1.2 percent of current-law payroll for 2018 and becomes positive by 2026. The annual balance becomes negative again in 2027 and the annual deficit generally increases (becomes more negative) to 2.5 percent of payroll for 2092. Under current law, the projected annual deficit for 2092 is 4.3 percent of payroll.

It is also useful to consider the projected cost, expenditures, and income for the OASDI program expressed as a percentage of Gross Domestic Product (GDP). Figure 3 illustrates these levels under both current law and the proposal.



#### **Specification for Provisions of the Proposal**

Section 102. Use the CPI-E increase rather than the CPI-W increase to calculate the COLA, effective for December 2021 and later COLAs.

Under current law, the annual cost-of-living adjustment (COLA) applied to Social Security benefits is calculated using the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W). We estimate that using the Consumer Price Index for the Elderly (CPI-E)

increase rather than the CPI-W increase in each year beginning with the December 2021 COLA would increase the effective COLA by 0.2 percentage points per year on average.

We estimate that enactment of this provision alone would increase the long-range OASDI actuarial deficit by 0.39 percent of taxable payroll and would increase the annual deficit for the 75<sup>th</sup> projection year (2092) by 0.54 percent of payroll.

Section 201 and Section 202. Eliminate the OASDI taxable maximum in 2020 with the tax rate above the current law maximum increasing in seven approximately equal steps starting for 2020 and reaching the full 12.4 percent for 2026 and later. Establish a second component of the primary insurance amount using a secondary average indexed monthly earnings ("AIME+") reflecting only additional earnings taxed above the current-law taxable maximum.

Under current law, payroll taxes totaling 12.4 percent apply to OASDI covered earnings in a year up to the contribution and benefit base, or taxable maximum. This taxable maximum was \$128,400 for 2018 and increases in the future in line with increases in the national average wage index (AWI). All covered earnings subject to the payroll tax are also potentially creditable toward computation of potential benefits as well as attainment of insured status.

Under these provisions, all covered earnings above the current-law taxable maximum would be subject to payroll tax. The rate would increase in seven approximately equal steps, starting at 1.8 percent (12.4 x 1/7) for 2020 and reaching 12.4 percent for 2026 and later. The primary insurance amount (PIA) would be determined in two components. The first component would be computed exactly as under current law, based on the average indexed monthly earnings (AIME), limited to earnings up to the level of the current-law OASDI taxable maximum (\$128,400 for 2018) for each year. The second component of the PIA would be computed using the "AIME+", which would be equal to the sum of the indexed earnings subject to payroll tax that are in excess of the current-law taxable maximum for the 35 years with the highest indexed excess taxable amounts, divided by 420. Excess taxable earnings for years 2020 through 2026 would be multiplied by 1/7, 2/7, ..., 6/7, 1, respectively, to account for the level of the applicable payroll tax rate in each year. The second component of the PIA would be equal to 3 percent of AIME+ up to \$10,133 (equal to (\$250,000-\$128,400)/12) and 0.25 percent for AIME+ above this level for beneficiaries becoming newly eligible in 2020. For beneficiaries becoming newly eligible for benefits after 2020, the "bend point" of \$10,133 would be indexed by the national average wage index (AWI) in the same manner as for the bend points in the first component of the PIA.

We estimate that enactment of just these two provisions (Sections 201 and 202), eliminating the OASDI taxable maximum in this manner and the resulting increase in benefit credit, would reduce (improve) the long-range OASDI actuarial deficit by 2.15 percent of taxable payroll and would decrease the annual deficit for the 75<sup>th</sup> projection year (2092) by 2.36 percent of payroll. These estimates include the cost of increased benefits based on the additional taxed earnings, which alone would increase the long-range OASDI actuarial deficit by 0.05 percent of taxable payroll and would increase the annual deficit for the 75<sup>th</sup> projection year by 0.10 percent of payroll.

### **Detailed Financial Results for the Provisions of the Proposal**

#### **Summary Results by Provision**

**Table A** provides estimates of the effects on the OASDI long-range actuarial balance for the three provisions of the proposal separately and on a combined basis. The table also includes estimates of the effect of the provisions on the annual balance (the difference between the income rate and the cost rate, expressed as a percent of current-law taxable payroll) for the 75<sup>th</sup> projection year, 2092. Interaction among individual provisions is reflected only in the total estimates for the combined provisions.

## **Benefit Illustrations**

**Tables B1 and B2** provide illustrative examples of the projected change in benefit levels under the three provisions of the proposal for beneficiaries retiring and starting benefit receipt at age 65 in future years at six selected earnings levels, with selected numbers of years of work. The "Maximum-AIME Steady Earner" is assumed to have earnings at ages 22 through 64 that equal the current-law taxable maximum level (equivalent to \$128,400 for 2018) and the "Twice Maximum-AIME Steady Earner" is assumed to have earnings at ages 22 through 64 that equal twice the current-law taxable maximum level (equivalent to \$256,800 for 2018). As a result, the provision to tax and credit earnings above the current-law taxable maximum affects only the "Twice Maximum-AIME Steady Earner" benefit level. **Table B3** provides additional important information on characteristics of retired workers represented by these illustrations for the year 2007.

The first several columns of Table B1 compare the initial scheduled benefit levels, assuming retirement at age 65 under the provisions of the proposal, to scheduled current-law benefit levels. All scheduled benefit amounts under the proposal are higher than those scheduled in current law. The final three columns of this table show the level of scheduled benefits under the proposal as a percentage of current-law scheduled benefits, the level of scheduled benefits under the proposal as a percentage of current-law payable benefits, and the level of payable benefits under the proposal as a percentage of current-law payable benefits, respectively. Because combined OASI and DI Trust Fund reserves deplete in 2053 under the proposal, in 2080 the "proposal payable to current law payable" column is lower than the "proposal scheduled to current law payable" column.

Table B2 compares the change in scheduled benefit levels at ages 65, 75, 85, and 95 under the proposal to scheduled benefits under current law, assuming retirement and start of benefit receipt at age 65. Table B2 shows that projected scheduled benefits under the provisions of this proposal increase in relation to current-law scheduled benefits between ages 65 and 95, because of the change in computing the COLA.

The hypothetical workers represented in these tables reflect average career-earnings patterns of workers who started receiving retirement benefits under the Social Security program in recent years. The tables subdivide workers with very low, low, and medium career-average earnings levels by their numbers of years of non-zero earnings.

Table B3 provides information helpful in interpreting the benefit illustrations in Tables B1 and B2. Percentages in Table B3 are based on tabulations from a 10-percent sample of newly-entitled retired workers in 2007. Table B3 displays the percentages of these newly-entitled retired workers in 2007 that are closest to each of the illustrative examples and are:

- 1) "Dually Entitled", meaning they received a higher spouse or widow(er) benefit based on the career earnings of their husband or wife,
- 2) "WEP" (Windfall Elimination Provision), meaning that they received a reduced benefit due to having a pension based on earnings that were not covered under the OASDI program (primarily certain government workers), and they had less than 30 years of substantial earnings that were taxable under the OASDI program,
- 3) "Foreign Born", meaning that they entered the Social Security coverage area after birth (and generally after entering working ages), and
- 4) "All Others", meaning they had none of the three characteristics listed above.

The extent to which retired-worker beneficiaries represented by each of the illustrative examples have any of the characteristics listed above (dually entitled, WEP, foreign born) is important because such individuals are less dependent on the OASDI benefit that relates to their own career-average earnings level. It should be noted that the distributions shown in Table B3 for retirees in 2007 will be changing somewhat for beneficiaries becoming entitled as retired-worker beneficiaries in the future.

## **Payroll Tax Effects**

**Table T** compares the scheduled payroll tax levels under the provisions of the proposal to scheduled current-law payroll tax levels. Under the proposal, the payroll tax rate of 12.4 percent would apply to all covered earnings above the current-law taxable maximum in 2026 and later. As a result, the worker with earnings at twice the current-law taxable maximum would have payroll tax contributions increased by 100 percent for 2030, 2050, and 2080. All other workers shown in the table earn at or below the current law taxable maximum, so their payroll tax contributions would not change.

#### **Detailed Tables Containing Annual and Summary Projections**

Enclosed with this letter are **tables 1, 1a, 1b, 1b.n, 1c, and 1d**, which provide annual and summary projections for the proposal.

#### **Trust Fund Operations**

**Table 1** provides projections of the financial operations of the OASDI program assuming enactment of the proposal and shows that the year of reserve depletion for the combined OASI and DI Trust Funds would be extended by 19 years, from 2034 under current law to 2053. The table shows the annual cost and income rates, annual balances, and trust fund ratios (reserves as a percent of annual program cost) for OASDI, as well as the change from current law in these cost

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rates, income rates, and annual balances. Included at the bottom of this table are summarized rates for the 75-year (long-range) period.

For 2020 and later, the proposal improves the annual balance (non-interest income minus program cost). The improvement in the annual balance increases from 0.3 percent of current-law payroll for 2020 to 2.2 percent for 2026, and thereafter decreases gradually, reaching 1.8 percent by 2092. Under the proposal, the annual deficit declines (improves) from 1.2 percent of current-law payroll for 2018 and becomes positive for 2026. The annual balance becomes negative again in 2027 and generally decreases (becomes more negative) thereafter. The annual deficit is 1.7 percent of payroll for 2040, 1.7 percent for 2060, and 2.5 percent for 2092. Under current law, the projected annual deficit for 2092 is 4.3 percent of payroll.

The actuarial balance for the OASDI program over the 75-year projection period is improved by 1.76 percent of taxable payroll, from an actuarial deficit of 2.84 percent of payroll under current law to a deficit of 1.08 percent of taxable payroll under the proposal.

### Program Transfers and Trust Fund Reserves

Column 4 of **Table 1a** provides a projection of the level of reserves for the combined OASI and DI Trust Funds, assuming enactment of the three provisions of the proposal. These trust fund reserve amounts are expressed in present value dollars discounted to January 1, 2018. The table indicates that the provisions include no new specified transfers of general revenue to the combined OASI and DI Trust Funds. For purpose of comparison, the combined OASI and DI Trust Fund reserves, expressed in present value dollars, are also shown for the current-law Social Security program both without and with the added proposal general fund transfers (zero in this case) in columns 6 and 7.

Note that negative values in columns 6 and 7 represent the "unfunded obligation" for the program through the year. The unfunded obligation is the present value of the shortfall of revenue needed to pay full scheduled benefits on a timely basis from the date of trust fund reserve depletion through the end of the indicated year. Gross Domestic Product (GDP), expressed in present value dollars, is shown in column 5 for comparison with other values in the table.

Effect of the Social Security Provisions on the Federal Budget

**Table 1b** shows the projected effect, in present value discounted dollars, on the federal budget (unified-budget and on-budget) annual cash flows and balances, assuming enactment of the three provisions of the proposal. Table **1b.n** provides the estimated nominal dollar effect of enactment of the proposal on annual budget balances for years 2018 through 2028. All values in these tables represent the amount of *change* from the level projected under current law. In addition, changes reflect the *budget scoring convention* that presumes benefits, not payable under the law after depletion of trust fund reserves, would still be paid using revenue provided from the General Fund of the Treasury. The reader should be cautioned that this presumption of payment of benefits beyond the resources of the trust funds is prohibited under current law and is also inconsistent with all past experience under the Social Security program.

Column 1 of Table 1b shows the added proposal general fund transfers (zero for this proposal). Column 2 shows the net changes in OASDI cash flow from all provisions of the proposal.

We project the net effect of the proposal on unified budget cash flow (column 3) to be positive in years 2020 and later. The elimination of the taxable maximum starting in 2020 and the phased-in increase to a 12.4 payroll tax rate from 2020-2026 on the additional earnings, more than offsets the additional benefits from these additional earnings taxed and the switch from the CPI-W to the CPI-E for the Social Security COLA.

Column 4 of Table 1b indicates that the effect of implementing the proposal is a reduction of the theoretical federal debt held by the public, reaching about \$8.7 trillion in present value at the end of the 75-year projection period. Column 5 provides the projected effect of the proposal on the annual unified budget balances, including both the cash flow effect in column 3 and the additional interest on the accumulated debt in column 4. Columns 6 and 7 indicate that the provisions of this proposal would have no expected direct effects on the on-budget cash flow, or on the total federal debt, in the future.

The estimates provided in these tables do not include any direct or indirect effects from provisions in this proposal on other federal programs (such as Supplemental Security Income). In addition, it is important to note that we base these estimates on the intermediate assumptions of the 2018 Trustees Report, so these estimates are not consistent with estimates made by the Office of Management and Budget or the Congressional Budget Office based on their assumptions. In particular, all present values are discounted using trust fund yield assumptions under the intermediate assumptions of the 2018 Trustees Report.

Annual Trust Fund Operations as a Percent of GDP

**Table 1c** provides annual cost, annual expenditures (amount that would be payable), and annual tax income for the OASDI program expressed as a percent of GDP for both current law and assuming enactment of the three provisions of the proposal. Showing the annual trust fund cash flows as a percent of GDP provides an additional perspective on these trust fund operations in relation to the total value of goods and services produced in the United States. The relationship between income and cost is similar when expressed as a percent of GDP to that when expressed as a percent of taxable payroll (Table 1).

Effects on Trust Fund Reserves and Unfunded Obligations

**Table 1d** provides estimates of the changes in trust fund reserves and unfunded obligations on an annual basis. Values in this table are expressed in present value dollars discounted to January 1, 2018.

For the 75-year (long-range) period as a whole, the current-law unfunded obligation of \$13.2 trillion is reduced to \$4.5 trillion in present value. This change of \$8.7 trillion results from:

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- A \$10.7 trillion net increase in revenue (column 2), primarily from additional payroll tax revenue, *minus*
- A \$2.0 trillion net increase in cost (column 3), primarily from the change in computing the COLA and additional benefits from earnings taxed above the current-law taxable maximum.

We hope these estimates are helpful. Please let me know if we may provide further assistance.

Sincerely,

Stephen C. Dose

Stephen C. Goss, ASA, MAAA Chief Actuary

Enclosures

Table A—Estimated Long-Range OASProtecting and Preserving Solutionintroduced by Representative Deu	ocial Security Act,		
Provision	Estimated Change in Long-Range OASDI Actuarial Balance <sup>1</sup> (as a percent of payroll)	Estimated Change in Annual Balance in 75 <sup>th</sup> year <sup>2</sup> (as a percent of payrol	
Section 101. Use the increase in the Consumer Price Index for the Elderly (CPI-E) rather than the increase in the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) to calculate the cost-of-living adjustment (COLA), effective for December 2021 and later COLAs. We estimate this new computation would increase the annual COLA by about 0.2 percentage point, on average	-0.39	-0.54	
Sections 201 and 202. Eliminate the OASDI taxable maximum in 2020 with the tax rate applicable above the current law maximum increasing in seven approximately equal steps starting for 2020 and reaching the full 12.4 percent for 2026 and later. Provide benefit credit for earnings above the current-law taxable maximum (\$128,400 in 2018) that are subject to the payroll tax, using a secondary PIA formula. This secondary PIA formula involves: (1) an "AIME+" derived from earnings taxed for each year after 2019 that were in excess of that year's current-law taxable maximum; (2) a bend point equal to \$10,133 for new eligibility in 2020 ((\$250,000 - \$128,400)/12), with this bend point indexed by the national average wage index (AWI) for new eligibility after 2020; and (3) formula factors of 3 percent and 0.25 percent below and above this bend point, respectively	2.15	2.36	
Total for all provisions, including interaction	1.76	1.82	

Notes: All estimates are based on the intermediate assumptions of the 2018 OASDI Trustees Report. Estimates of individual provisions appear on a stand-alone basis relative to current law, unless otherwise stated.

> Social Security Administration Office of the Chief Actuary April 10, 2019

# Table B1. Changes in Benefits for Hypothetical Workers Beginning Benefit Receipt at age 65 "Protecting and Preserving Social Security Act", Introduced by Representative Deutch and Senator Hirono

	8	0	• •	U K			Benefit Ratios	
			Scheduled Be	enefit Level Percent Chan	ige at age 65	Proposal	Proposal	Proposal
Year	Current Lav	w Scheduled					Scheduled to	Payable to
Attain	Monthly	Benefits <sup>4</sup>		Benefit		Current Law	Current Law	Current Law
Age 65	(Wage-Indexed	(CPI-Indexed	$\underline{COLA}^5$	Formula <sup>6</sup>	$Total^7$	Scheduled	Payable	Payable
	2018 Dollars)	2018 Dollars)		(Percent change)			(Percents)	
		Very-L	ow-AIME (\$12,974 for 2	2018 <sup>1</sup> ) 30-Year Scaled <b>F</b>	Earner (10.1% of Retiree	s <sup>2</sup> )		
2018	744	744	0.0	0.0	0.0	100	100	100
2030	695	838	0.6	0.0	0.6	101	101	101
2050	700	1,074	0.6	0.0	0.6	101	127	127
2080	703	1,521	0.6	0.0	0.6	101	135	116
		Very-I	Low-AIME (\$12,974 for 1	2018 <sup>1</sup> ) 20-Year Scaled I	Earner (5.3% of Retirees	s <sup>2</sup> )		
2018	744	744	0.0	0.0	0.0	100	100	100
2030	695	838	0.6	0.0	0.6	101	101	101
2050	700	1,074	0.6	0.0	0.6	101	127	127
2080	703	1,521	0.6	0.0	0.6	101	135	116
		Very-I	Low-AIME (\$12,974 for 1	2018 <sup>1</sup> ) 14-Year Scaled I	Earner (4.1% of Retirees	s <sup>2</sup> )		
2018	744	744	0.0	0.0	0.0	100	100	100
2030	695	838	0.6	0.0	0.6	101	101	101
2050	700	1,074	0.6	0.0	0.6	101	127	127
2080	703	1,521	0.6	0.0	0.6	101	135	116
		Low	-AIME (\$23,353 for 201	8 <sup>1</sup> ) 44-Year Scaled Ear	mer (17.1% of Retirees <sup>2</sup> )			
2018	974	974	0.0	0.0	0.0	100	100	100
2030	910	1,098	0.6	0.0	0.6	101	101	101
2050	916	1,405	0.6	0.0	0.6	101	127	127
2080	920	1,990	0.6	0.0	0.6	101	135	116
			v-AIME (\$23,353 for 201	8 <sup>1</sup> ) 30-Year Scaled Ea	rner (4.4% of Retirees <sup>2</sup> )			
2018	974	974	0.0	0.0	0.0	100	100	100
2030	910	1,098	0.6	0.0	0.6	101	101	101
2050	916	1,405	0.6	0.0	0.6	101	127	127
2080	920	1,990	0.6	0.0	0.6	101	135	116
			v-AIME (\$23,353 for 201					
2018	974	974	0.0	0.0	0.0	100	100	100
2030	910	1,098	0.6	0.0	0.6	101	101	101
2050	916	1,405	0.6	0.0	0.6	101	127	127
2080	920	1,990	0.6	0.0	0.6	2	135	116
2010	1.005				arner (28.6% of Retirees		100	100
2018	1,605	1,605	0.0	0.0	0.0	100	100	100
2030	1,500	1,810	0.6	0.0	0.6	101	101	101
2050 2080	1,510 1,517	2,317 3,281	0.6 0.6	0.0 0.0	0.6 0.6	101 101	127 135	127 116
2080	1,517						155	110
2010	1 (05			· · · · · · · · · · · · · · · · · · ·	Earner (2.2% of Retirees <sup>2</sup>	·	100	100
2018	1,605	1,605	0.0	0.0	0.0	100	100	100
2030 2050	1,500	1,810	0.6 0.6	0.0 0.0	0.6 0.6	101	101	101
2050	1,510 1,517	2,317 3,281	0.6	0.0	0.6	101 101	127 135	127 116
2000	1,217				mer (19.1% of Retirees <sup>2</sup> )	101	133	110
2018	2,127	2,127	0.0	0.0	0.0	100	100	100
2018	1,986	2,127	0.6	0.0	0.6	100	100	100
2050	1,999	3,068	0.6	0.0	0.6	101	127	127
2080	2,009	4,345	0.6	0.0	0.6	101	135	116
	,				Steady Earner (7.1% of			
2018	2,590	2,590	0.0	0.0	0.0	100	100	100
2018	2,430	2,932	0.6	0.0	0.6	100	100	100
2050	2,445	3,751	0.6	0.0	0.6	101	127	127
2080	2,449	5,296	0.6	0.0	0.6	101	135	116
					18 <sup>1</sup> ) 43-Year Steady Ear			
2018	2,590	2,590	0.0	0.0	0.0	100	100	100
2030	2,430	2,932	0.6	2.1	2.7	103	103	103
2050	2,445	3,751	0.6	7.9	8.5	109	137	137
2080	2,449	5,296	0.6	9.7	10.4	110	148	127
	25 64 11							

Average of highest 35 years of taxable earnings wage indexed to 2018. For the Maximum and Twice Maximum-Current-Law-AIME workers, we show one times and two times the 2018 taxable maximum, respectively.

Projected percent of new retired worker awards in 2050 with current-law AIME levels and years of covered earnings closest to AIME levels and years of covered earnings shown.

<sup>3</sup> If all earnings were considered, unlimited by annual taxable maximums, then about 1.5 percent of all retirees would have an AIME closer to Twice Maximum-Current-Law than Maximum-Current-Law.

<sup>4</sup> After the trust fund reserves deplete under current law continuing taxes are expected to be enough to pay about three fourths of scheduled benefits.

<sup>5</sup> Starting Dec 2021, compute the COLA using the CPI-E, producing 0.2% higher annual COLAs on average.

<sup>6</sup> Eliminate the taxable maximum in 2020, with tax rate on earnings above the current law maximum increasing in seven approximately equal steps reaching the full 12.4 percent for 2026. Provide benefit credit for earnings above the current-law taxable maximum that are subject to the payroll tax, using a secondary PIA formula. This secondary PIA formula involves: (1) an "AIME+" derived from annual earnings for each year after 2019 that were in excess of that year's current-law taxable maximum; (2) a bend point equal to 10,133 in 2020, (250,000-128,400)/12, and wage-indexed thereafter; and (3) formula factors of 3 percent and 0.25 percent below and above the bend point, respectively.

<sup>7</sup> This analysis reflects only the provisions of the proposal identified in the table and described in the footnotes above.

All estimates based on the intermediate assumptions of the 2018 Trustees Report.

Table B2. Changes in Benefits for Hypothetical Workers Beginning Benefit Receipt at age 65
"Protecting and Preserving Social Security Act", Introduced by Representative Deutch and Senator Hirono

#### Proposal Scheduled Benefit as Percent of Current Law Scheduled

	P	roposal Scheduled Benefit as P	ercent of Current Law Schedule	<u>ed</u>
Year				
Attain				
<u>Age 65</u>	<u>Age 65</u>	<u>Age 75</u>	<u>Age 85</u>	<u>Age 95</u>
		(Per	rcent)	
	Verv-Lo	w-AIME (\$12,974 for 2018 <sup>1</sup> ) 30	-Year Scaled Earner (10.1% of	(Retirees <sup>2</sup> )
2018	100.0	101.4	103.4	105.4
2010	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
2080				
			)-Year Scaled Earner (5.3% of I	
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
	Verv-Lo	w-AIME (\$12,974 for 2018 <sup>1</sup> ) 14	4-Year Scaled Earner (4.1% of I	Retirees <sup>2</sup> )
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2030	100.6	102.6	104.6	106.6
2000				
			ear Scaled Earner (17.1% of Re	
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
	Low-	AIME (\$23,353 for 2018 <sup>1</sup> ) 30-Y	ear Scaled Earner (4.4% of Ret	tirees <sup>2</sup> )
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
2000				
			ear Scaled Earner (1.7% of Ret	
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
	Mediun	1-AIME (\$51,894 for 2018 <sup>1</sup> ) 44-	Year Scaled Earner (28.6% of I	Retirees <sup>2</sup> )
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
2000				
2010			-Year Scaled Earner (2.2% of R	
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
	High-	AIME (\$83,031 for 2018 <sup>1</sup> ) 44-Y	ear Scaled Earner (19.1% of Re	etirees <sup>2</sup> )
2018	100.0	101.4	103.4	105.4
2030	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6	106.6
2080	100.6	102.6	104.6	106.6
			(018 <sup>1</sup> ) 43-Year Steady Earner (7	
2018		· · ·	· · ·	
2018	100.0	101.4	103.4	105.4
	100.6	102.6	104.6	106.6
2030		102.6	104.6	106.6
2050	100.6			
	100.6	102.6	104.6	106.6
2050	100.6	102.6	104.6 <b>256,800 for 2018<sup>1</sup>) 43-Year Stea</b>	
2050 2080	100.6 Twice Ma	102.6		
2050 2080 2018	100.6 <b>Twice Ma</b> 100.0	102.6 ximum-Current-Law-AIME (\$ 101.4	<b>256,800 for 2018<sup>1</sup>) 43-Year Stea</b> 103.4	ndy Earner <sup>3</sup> 105.4
2050 2080	100.6 Twice Ma	102.6 ximum-Current-Law-AIME (\$	256,800 for 2018 <sup>1</sup> ) 43-Year Stea	ndy Earner <sup>3</sup>

<sup>1</sup> Average of highest 35 years of taxable earnings wage indexed to 2018. For the Maximum and Twice Maximum-Current-Law-AIME workers, we show one times and two times the 2018 taxable maximum, respectively.

<sup>2</sup> Projected percent of new retired worker awards in 2050 with current-law AIME levels and years of covered earnings closest to AIME levels and years of covered earnings shown.

<sup>3</sup> If all earnings were considered, unlimited by annual taxable maximums, then about 1.5 percent of all retirees would have an AIME closer to Twice Maximum-Current-Law than Maximum-Current-Law.

Note:

- Starting Dec 2021, compute the COLA using the CPI-E, producing 0.2% higher annual COLAs on average.

Eliminate the taxable maximum in 2020, with tax rate on earnings above the current law maximum increasing in seven approximately equal steps reaching the full 12.4 percent for 2026. Provide benefit credit for earnings above the current-law taxable maximum that are subject to the payroll tax, using a secondary PIA formula. This secondary PIA formula involves: (1) an "AIME+" derived from annual earnings for each year after 2019 that were in excess of that year's current-law taxable maximum; (2) a bend point equal to 10,133 in 2020, (250,000-128,400)/12, and wage-indexed thereafter; and (3) formula factors of 3 percent and 0.25 percent below and above the bend point, respectively.
 This analysis reflects only the provisions of the proposal identified in the table and described above.

All estimates based on the intermediate assumptions of the 2018 Trustees Report.

Percent of Beneficiaries Within Each Category That Are:								
Category	<b>Dually Entitled<sup>2</sup></b>	WEP <sup>3</sup>	<u>Foreign Born</u>	All Others <sup>4</sup>				
Very-Low-AIME (\$10,101 for 2007 <sup>1</sup> ):								
30-Year Scaled Earner (9.3% of Retirees)	47	6	11	40				
20-Year Scaled Earner (5.8% of Retirees)	38	16	21	31				
14-Year Scaled Earner (5.3% of Retirees)	22	21	45	20				
Low-AIME (\$18,182 for 2007 <sup>1</sup> ):								
44-Year Scaled Earner (13.1% of Retirees)	15	2	6	78				
30-Year Scaled Earner (5.9% of Retirees)	16	9	18	59				
20-Year Scaled Earner (3.1% of Retirees)	10	23	35	37				
Medium-AIME (\$40,405 for 2007 <sup>1</sup> ):								
44-Year Scaled Earner (23.0% of Retirees)	1	1	5	93				
30-Year Scaled Earner (4.4% of Retirees)	1	8	26	67				
High-AIME (\$64,649 for 2007 <sup>1</sup> ):								
44-Year Scaled Earner (20.5% of Retirees)	0	0	6	93				
Maximum-Current-Law-AIME (\$82,224 for	2007 <sup>1</sup> ):							
Steady Earner (9.4% of Retirees)	0	0	7	93				

Note 1: Table B3 displays the percentages of these newly-entitled retired workers in 2007 that are closest to each of the illustrative examples.

Note 2: The percents in each category are based on tabulations of a 10-percent sample of newly entitled retired-worker beneficiaries in 2007 (169,725 records). We can be 95 percent confident that each of the values shown above is within 1.4 percentage points of the value we would find using 100 percent of the retirees in 2007. Note 3: The sum of the percentages for each category (sum across rows) could be greater than 100 percent because some beneficiaries can be classified in more than one of the following groups: dually entitled, WEP, and foreign born.

<sup>1</sup> Average of highest 35 years of taxable earnings wage indexed to 2007.

<sup>2</sup> Under current law, entitled to an additional benefit based on someone else's account. The dually entitled percent is a minimum value. Some beneficiaries that are not currently dually entitled could become dually entitled in the future.

<sup>3</sup> Covered by pension from government employment and are subject to the windfall elimination provision (WEP).

<sup>4</sup> Neither foreign born, subject to WEP, or dually entitled.

Office of the Chief Actuary, Social Security Administration

March 21, 2017

# Table T. Changes in Payroll Tax Contributions (Employee + Employer) for Workers with OASDI Covered Earnings in the Year "Protecting and Preserving Social Security Act", Introduced by Representative Deutch and Senator Hirono

<u>in Year</u>	(Wage-Indexed		Taxable	Percent of Current Law
		(CPI-Indexed	Maximum <sup>2</sup>	
	2018 Dollars)	2018 Dollars)	(Percent change)	(Percents)
			26th Percentile Earner <sup>1</sup> in Year (\$12,974 in 2018)	
2018	134	134	0.0	100
2030	134	162	0.0	100
2050	134	206	0.0	100
2080	134	290	0.0	100
			40th Percentile Earner <sup>1</sup> in Year (\$23,353 in 2018)	
2018	241	241		100
2030	241	291	0.0	100
2050	241	370	0.0	100
2080	241	522	0.0	100
			69th Percentile Earner <sup>1</sup> in Year (\$51,894 in 2018)	
2018	536	536	0.0	100
2030	536	647	0.0	100
2050	536	823	0.0	100
2080	536	1,160	0.0	100
			85th Percentile Earner <sup>1</sup> in Year (\$83,031 in 2018)	
2018	858	858	0.0	100
2030	858	1,035	0.0	100
2050	858	1,316	0.0	100
2080	858	1,856	0.0	100
		94th Percentile Ear	ner <sup>1</sup> in Year (\$128,400 in 2018) Current-Law Maximum	Earnings Level
2018	1,327	1,327	0.0	100
2030	1,327	1,601	0.0	100
2050	1,327	2,036	0.0	100
2080	1,327	2,870	0.0	100
	99t!	h Percentile Earner	<sup>1</sup> in Year (\$256,800 in 2018) Twice Current-Law Maxim	um Earnings Level
2018	1,327	1,327	0.0	100
2030	1,327	1,601	100.0	200
2050	1,327	2,036	100.0	200
2080	1,327	2,870	100.0	200
			uding earnings both above and below the current-law maximum earn ot earn enough in their career to become fully insured for retired we	

<sup>2</sup> Eliminate the taxable maximum in 2020, with tax rate on earnings above the current law maximum increasing in seven approximately equal steps reaching the full 12.4 percent for 2026.

This analysis reflects only the provisions of the proposal identified in the table and described in the footnotes above.

All estimates based on the intermediate assumptions of the 2018 Trustees Report.

Office of the Chief Actuary, Social Security Administration

April 10, 2019

#### Table 1 - OASDI Cost Rate, Income Rate, Annual Balance, and Trust Fund Ratio "Protecting and Preserving Social Security Act," Introduced by Representative Deutch and Senator Hirono

	Expressed as	Proposa s a percentage of curre			Change from Current Law Expressed as a percentage of current-la taxable payroll		
		taxable payroll	<u> </u>	Trust Fund			
Year	Cost Rate	Income <u>Rate</u>	Annual <u>Balance</u>	Ratio 1-1-year	Cost Rate	Income <u>Rate</u>	Annua Balance
2018	13.81	12.64	-1.17	288	0.00	0.00	0.0
2019	13.95	12.87	-1.08	272	0.00	0.00	0.0
2020	14.12	13.23	-0.89	256	0.00	0.34	0.3
2021	14.27	13.62	-0.66	242	0.00	0.70	0.70
2022	14.46	13.99	-0.48	229	0.03	1.04	1.0
2023	14.67	14.34	-0.33	218	0.05	1.37	1.3
2024	14.88	14.69	-0.19	209	0.08	1.70	1.6
2025 2026	15.09 15.29	15.02	-0.07 0.15	201 195	0.11 0.14	2.01 2.31	1.90 2.11
2026	15.29	15.44 15.47	-0.06	195	0.14	2.31	2.1
2028	15.77	15.49	-0.29	186	0.19	2.32	2.1
2029	16.01	15.51	-0.50	181	0.22	2.32	2.10
2030	16.23	15.52	-0.70	176	0.24	2.32	2.08
2031	16.43	15.54	-0.89	170	0.27	2.32	2.0
2032	16.61	15.55	-1.06	164	0.29	2.33	2.03
2033	16.77	15.57	-1.20	158	0.32	2.33	2.0
2034 2035	16.90 17.01	15.58 15.59	-1.33 -1.42	152 145	0.34 0.36	2.33 2.33	1.99 1.97
2035	17.10	15.59	-1.42	138	0.38	2.33	1.96
2037	17.18	15.60	-1.58	130	0.40	2.34	1.94
2038	17.23	15.61	-1.62	123	0.40	2.34	1.93
2039	17.26	15.61	-1.65	115	0.43	2.34	1.91
2040	17.27	15.62	-1.65	107	0.44	2.34	1.90
2041	17.26	15.62	-1.64	98	0.45	2.34	1.89
2042	17.24	15.62	-1.62	90	0.46	2.34	1.88
2043	17.20	15.62	-1.59	82	0.47	2.35	1.88
2044 2045	17.17 17.14	15.62 15.62	-1.55 -1.53	74 66	0.48 0.48	2.35 2.35	1.87 1.87
2045	17.14	15.62	-1.53	58	0.48	2.35	1.86
2040	17.09	15.62	-1.48	50	0.49	2.35	1.86
2048	17.07	15.62	-1.45	43	0.50	2.35	1.86
2049	17.05	15.62	-1.43	35	0.50	2.35	1.85
2050	17.04	15.62	-1.42	27	0.50	2.35	1.85
2051	17.04	15.62	-1.41	19	0.50	2.35	1.85
2052	17.04	15.63	-1.41	11	0.51	2.36	1.85
2053	17.05	15.63	-1.42 -1.44	3	0.51	2.36	1.85
2054 2055	17.07 17.10	15.63 15.63	-1.44 -1.46		0.51 0.51	2.36 2.36	1.85 1.85
2055	17.13	15.64	-1.50		0.51	2.36	1.85
2057	17.18	15.64	-1.53		0.51	2.36	1.85
2058	17.23	15.65	-1.58		0.51	2.36	1.85
2059	17.28	15.65	-1.62		0.52	2.36	1.85
2060	17.33	15.66	-1.67		0.52	2.36	1.85
2061	17.38	15.66	-1.72		0.52	2.37	1.84
2062 2063	17.43 17.49	15.67 15.67	-1.76 -1.81		0.52 0.53	2.37 2.37	1.84 1.84
2063	17.54	15.68	-1.86		0.53	2.37	1.84
2065	17.60	15.68	-1.92		0.53	2.37	1.84
2066	17.66	15.69	-1.97		0.53	2.37	1.84
2067	17.72	15.70	-2.03		0.54	2.37	1.83
2068	17.78	15.70	-2.08		0.54	2.37	1.83
2069	17.85	15.71	-2.14		0.54	2.38	1.83
2070	17.91	15.71	-2.20		0.55	2.38	1.83
2071	17.97	15.72	-2.25		0.55	2.38	1.83
2072	18.02	15.72	-2.30		0.55	2.38	1.8
2073 2074	18.07 18.11	15.73 15.73	-2.34 -2.38		0.56 0.56	2.38 2.38	1.82 1.82
2074 2075	18.11	15.73	-2.38 -2.41		0.56	2.38	1.8.
2076	18.18	15.74	-2.44		0.57	2.39	1.8
2077	18.19	15.74	-2.45		0.57	2.39	1.8
2078	18.20	15.74	-2.45		0.57	2.39	1.8
2079	18.19	15.75	-2.45		0.57	2.39	1.82
2080	18.18	15.75	-2.43		0.57	2.39	1.8
2081	18.16	15.75	-2.42		0.58	2.39	1.8
2082	18.15	15.75	-2.40		0.58	2.39	1.8
2083 2084	18.13 18.12	15.75 15.75	-2.38 -2.37		0.58 0.58	2.40 2.40	1.8 1.8
2084	18.12	15.75	-2.37		0.58	2.40	1.8.
2086	18.11	15.75	-2.36		0.58	2.40	1.8
2087	18.11	15.75	-2.36		0.58	2.40	1.8
2088	18.13	15.75	-2.38		0.58	2.40	1.8
2089	18.15	15.76	-2.40		0.58	2.40	1.8
2090	18.18	15.76	-2.42		0.58	2.40	1.8
2091	18.22	15.76	-2.46		0.59	2.41	1.8
2092	18.27	15.77	-2.50		0.59	2.41	1.8
2093	18.31	15.77	-2.54		0.59	2.41	1.8
rized Rat	es: OASDI			I	Summarized Rates	: OASDI	
			A-4 · · ·	Year of reserve	Ch i	Oha i	Change i
	Cost Bata	Income Data	Actuarial Balance		Change in Cost rate	Change in Income Rate	Actuaria Balanc
092	Cost Rate 17 10%	Income Rate 16 02%	-1 08%	depletion <sup>1</sup> 2053	0 42%	2 18%	Balanci 1 76%
			-1 U8%	200.5	LU42%		

Based on Intermediate Assumptions of the 2018 Trustees Report.

17.10%

2018 - 2092

<sup>1</sup>Under present law the year of combined Trust Fund reserve depletion is 2034.

16.02%

-1.08%

2053

0.42%

Office of the Chief Actuary Social Security Administration April 10, 2019

1.76%

2.18%

#### Table 1a - General Fund Transfers, OASDI Trust Fund Reserves, and Theoretical OASDI Reserves "Protecting and Preserving Social Security Act," Introduced by Representative Deutch and Senator Hirono

-	Prop	oosal General Fund Trans	fers	Present Value in Billions as of 1-1-2018				
					Theoretical Socia with Borrowing			
				Proposal Total OASDI		with Borrowing	Authonity	
		Present Value in Billions		Trust Fund	-	Net OASDI Trust Fund Res		
	Percentage		ccumulated as of	Reserves	Gross Domestic	Without General	With Plan General	
Calendar <u>Year</u>	of Payroll (1)	Amounts (2)	End of Year (3)	at End of Year (4)	Product (5)	Fund Transfers (6)	Fund Transfers (7)	
2018	0.0	0.0	0.0	2,808.6	20,018.8	2,808.6	2,808.6	
2019	0.0	0.0	0.0	2,730.2	20,372.8	2,730.2	2,730.2	
2020	0.0	0.0	0.0	2,664.3	20,761.3	2,639.0	2,639.0	
2021	0.0	0.0	0.0	2,614.9	21,143.5	2,536.5	2,536.5	
2022 2023	0.0 0.0	0.0 0.0	0.0 0.0	2,578.3 2,552.5	21,520.6 21,889.8	2,421.0 2,290.2	2,421.0 2,290.2	
2023	0.0	0.0	0.0	2,537.8	22,247.7	2,230.2	2,230.2	
2025	0.0	0.0	0.0	2,532.6	22,564.0	1,982.3	1,982.3	
2026	0.0	0.0	0.0	2,545.9	22,843.8	1,813.8	1,813.8	
2027	0.0	0.0	0.0	2,541.9	23,088.8	1,627.7	1,627.7	
2028 2029	0.0 0.0	0.0 0.0	0.0 0.0	2,518.8 2,477.2	23,261.7 23,339.1	1,423.5 1,202.6	1,423.5 1,202.6	
2029	0.0	0.0	0.0	2,417.2	23,329.3	967.1	967.1	
2031	0.0	0.0	0.0	2,344.9	23,230.3	719.2	719.2	
2032	0.0	0.0	0.0	2,257.9	23,048.1	461.5	461.5	
2033	0.0	0.0	0.0	2,159.8	22,820.9	196.4	196.4	
2034	0.0	0.0	0.0	2,052.8	22,590.1	-74.2	-74.2	
2035 2036	0.0 0.0	0.0 0.0	0.0 0.0	1,939.0 1,820.0	22,363.5 22,135.9	-348.2 -624.3	-348.2 -624.3	
2030	0.0	0.0	0.0	1,696.6	21,912.2	-924.3	-901.6	
2038	0.0	0.0	0.0	1,570.9	21,693.9	-1,178.6	-1,178.6	
2039	0.0	0.0	0.0	1,444.8	21,482.3	-1,453.2	-1,453.2	
2040	0.0	0.0	0.0	1,319.6	21,271.2	-1,724.5	-1,724.5	
2041	0.0	0.0	0.0	1,196.3	21,065.0 20,868.9	-1,991.5	-1,991.5	
2042 2043	0.0 0.0	0.0 0.0	0.0 0.0	1,076.2 959.6	20,676.2	-2,253.3 -2,509.6	-2,253.3 -2,509.6	
2043	0.0	0.0	0.0	846.6	20,486.7	-2,760.5	-2,760.5	
2045	0.0	0.0	0.0	736.8	20,298.6	-3,006.5	-3,006.5	
2046	0.0	0.0	0.0	630.0	20,110.8	-3,247.8	-3,247.8	
2047	0.0	0.0	0.0	525.9	19,925.6	-3,484.9	-3,484.9	
2048 2049	0.0 0.0	0.0 0.0	0.0 0.0	424.4 325.2	19,744.9 19,562.2	-3,717.9 -3,947.2	-3,717.9 -3,947.2	
2049	0.0	0.0	0.0	227.8	19,380.3	-4,173.4	-4,173.4	
2051	0.0	0.0	0.0	131.9	19,201.3	-4,396.7	-4,396.7	
2052	0.0	0.0	0.0	37.0	19,022.2	-4,617.8	-4,617.8	
2053	0.0	0.0	0.0	-57.6	18,842.5	-4,837.3	-4,837.3	
2054 2055	0.0 0.0	0.0 0.0	0.0 0.0	-152.3 -247.7	18,661.7 18,479.7	-5,055.6	-5,055.6	
2055	0.0	0.0	0.0	-344.2	18,298.9	-5,273.3 -5,490.8	-5,273.3 -5,490.8	
2057	0.0	0.0	0.0	-442.1	18,117.7	-5,708.5	-5,708.5	
2058	0.0	0.0	0.0	-541.8	17,935.7	-5,926.7	-5,926.7	
2059	0.0	0.0	0.0	-643.3	17,754.6	-6,145.3	-6,145.3	
2060	0.0	0.0	0.0	-746.5	17,574.0	-6,364.3	-6,364.3	
2061 2062	0.0 0.0	0.0 0.0	0.0 0.0	-851.6 -958.5	17,394.0 17,215.1	-6,583.8 -6.803.9	-6,583.8 -6,803.9	
2063	0.0	0.0	0.0	-1,067.2	17,037.6	-7,024.4	-7,024.4	
2064	0.0	0.0	0.0	-1,177.7	16,861.5	-7,245.4	-7,245.4	
2065	0.0	0.0	0.0	-1,290.1	16,687.4	-7,466.8	-7,466.8	
2066	0.0	0.0	0.0	-1,404.4	16,515.3	-7,688.9	-7,688.9	
2067 2068	0.0 0.0	0.0 0.0	0.0 0.0	-1,520.6 -1,638.8	16,345.5 16,178.3	-7,911.6 -8,135.0	-7,911.6 -8,135.0	
2069	0.0	0.0	0.0	-1,759.0	16,013.1	-8,359.1	-8,359.1	
2070	0.0	0.0	0.0	-1,881.2	15,850.3	-8,583.9	-8,583.9	
2071	0.0	0.0	0.0	-2,005.0	15,690.6	-8,809.1	-8,809.1	
2072	0.0	0.0	0.0	-2,130.0	15,534.1	-9,034.3	-9,034.3	
2073	0.0	0.0	0.0	-2,256.0	15,380.4	-9,259.4	-9,259.4	
2074 2075	0.0 0.0	0.0 0.0	0.0 0.0	-2,382.7 -2,509.7	15,229.4 15,080.9	-9,483.9 -9,707.7	-9,483.9 -9,707.7	
2076	0.0	0.0	0.0	-2,636.6	14,934.6	-9,930.3	-9,930.3	
2077	0.0	0.0	0.0	-2,762.8	14,790.9	-10,151.0	-10,151.0	
2078	0.0	0.0	0.0	-2,887.8	14,649.3	-10,369.5	-10,369.5	
2079	0.0	0.0	0.0	-3,011.0	14,509.6	-10,585.3	-10,585.3	
2080	0.0	0.0	0.0	-3,132.4	14,371.5	-10,798.2	-10,798.2	
2081 2082	0.0 0.0	0.0 0.0	0.0 0.0	-3,251.7 -3,369.0	14,234.9 14,099.1	-11,008.1 -11,215.0	-11,008.1 -11,215.0	
2082	0.0	0.0	0.0	-3,484.2	13,964.2	-11,418.8	-11,418.8	
2084	0.0	0.0	0.0	-3,597.5	13,830.0	-11,619.9	-11,619.9	
2085	0.0	0.0	0.0	-3,709.2	13,696.0	-11,818.5	-11,818.5	
2086	0.0	0.0	0.0	-3,819.5	13,562.2	-12,014.8	-12,014.8	
2087	0.0	0.0	0.0	-3,928.9	13,428.9	-12,209.2	-12,209.2	
2088 2089	0.0 0.0	0.0 0.0	0.0 0.0	-4,037.7 -4,146.2	13,295.7 13,162.8	-12,402.2 -12,594.0	-12,402.2 -12,594.0	
2089 2090	0.0	0.0	0.0	-4,146.2 -4,254.9	13,030.4	-12,594.0 -12,785.0	-12,594.0 -12,785.0	
2090	0.0	0.0	0.0	-4,363.9	12,898.2	-12,975.4	-12,975.4	
2092	0.0	0.0	0.0	-4,473.4	12,766.5	-13,165.6	-13,165.6	
	0.0	<u>0.0</u>	0.0	-4,583.7	12,635.4	-13,355.5	-13,355.5	

Total 2018-2092

Based on the Intermediate Assumptions of the 2018 Trustees Report. Ultimate Real Trust Fund Yield of 2.7%.

<sup>1</sup> Theoretical Social Security is the current Social Security program with the assumption that the law is modified to permit borrowing from the General Fund of the Treasury.

0.0

Table 1b - OASDI Changes & Implications for Federal Budget and Debt of Specified Plan Provision Effects on OASDI<sup>1</sup> (Present Value Dollars) "Protecting and Preserving Social Security Act," Introduced by Representative Deutch and Senator Hirono

-	Specified	Basic Changes	Billions of Preser Change in Annual	Change in Debt Held	Change in Annual	Change in Total	Change in Annua
	General Fund	in OASDI	Unified Budget	by Public at	Unified Budget	Federal Debt	On Budge
Year	Transfers	Cash Flow	Cash Flow	End of Year	Balance	End Of Year	Balance
2018	(1) 0.0	(2) 0.0	(3) 0.0	(4) 0.0	(5) 0.0	(6) 0.0	(7 0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	25.3	25.3	-25.3	25.3	0.0	0.0
2021	0.0	53.1	53.1	-78.4	53.8	0.0	0.0
2022	0.0	78.9	78.9	-157.3	81.1	0.0	0.0
2023	0.0	105.0	105.0	-262.3	109.4	0.0	0.0
2024	0.0	131.2	131.2	-393.5	138.8	0.0	0.0
2025	0.0	156.8	156.8	-550.3	168.7	0.0	0.0
2026	0.0	181.8	181.8	-732.1	199.2	0.0	0.0
2027	0.0	182.2	182.2	-914.2	206.6	0.0	0.0
2028 2029	0.0 0.0	181.1 179.3	181.1 179.3	-1,095.3 -1,274.7	214.9 223.7	0.0 0.0	0.0 0.0
2029	0.0	179.3	179.3	-1,274.7	233.1	0.0	0.0
2030	0.0	174.1	174.1	-1,625.7	243.0	0.0	0.0
2032	0.0	170.7	170.7	-1,796.4	253.5	0.0	0.0
2033	0.0	167.0	167.0	-1,963.4	258.6	0.0	0.0
2034	0.0	163.5	163.5	-2,127.0	263.6	0.0	0.0
2035	0.0	160.2	160.2	-2,287.2	268.6	0.0	0.0
2036	0.0	157.0	157.0	-2,444.2	273.6	0.0	0.0
2037	0.0	154.0	154.0	-2,598.2	278.6	0.0	0.0
2038	0.0	151.2	151.2	-2,749.4	283.6	0.0 0.0	0.0
2039 2040	0.0 0.0	148.6 146.1	148.6 146.1	-2,898.0 -3,044.1	288.7 293.8	0.0	0.0 0.0
2040	0.0	143.8	140.1	-3,187.8	293.0	0.0	0.0
2042	0.0	141.7	141.7	-3,329.5	304.1	0.0	0.0
2043	0.0	139.7	139.7	-3,469.2	309.4	0.0	0.0
2044	0.0	137.9	137.9	-3,607.1	314.7	0.0	0.0
2045	0.0	136.2	136.2	-3,743.3	320.0	0.0	0.0
2046	0.0	134.5	134.5	-3,877.8	325.3	0.0	0.0
2047	0.0	133.0	133.0	-4,010.8	330.6	0.0	0.0
2048	0.0	131.5	131.5	-4,142.3	335.9	0.0	0.0
2049	0.0	130.1	130.1	-4,272.4	341.2	0.0	0.0
2050 2051	0.0 0.0	128.8 127.4	128.8 127.4	-4,401.2 -4,528.6	346.5 351.7	0.0 0.0	0.0 0.0
2052	0.0	126.2	126.2	-4,654.8	357.0	0.0	0.0
2053	0.0	124.9	124.9	-4,779.7	362.1	0.0	0.0
2054	0.0	123.6	123.6	-4,903.3	367.2	0.0	0.0
2055	0.0	122.3	122.3	-5,025.6	372.2	0.0	0.0
2056	0.0	121.0	121.0	-5,146.7	377.2	0.0	0.0
2057	0.0	119.8	119.8	-5,266.4	382.1	0.0	0.0
2058	0.0	118.4	118.4	-5,384.9	386.8	0.0	0.0
2059	0.0	117.1	117.1	-5,502.0	391.6	0.0	0.0
2060 2061	0.0 0.0	115.8 114.5	115.8 114.5	-5,617.8 -5,732.3	396.2 400.8	0.0 0.0	0.0 0.0
2061	0.0	114.5	114.5	-5,845.4	405.3	0.0	0.0
2062	0.0	111.8	111.8	-5,957.2	409.7	0.0	0.0
2064	0.0	110.5	110.5	-6,067.6	414.1	0.0	0.0
2065	0.0	109.1	109.1	-6,176.7	418.4	0.0	0.0
2066	0.0	107.8	107.8	-6,284.5	422.6	0.0	0.0
2067	0.0	106.5	106.5	-6,391.0	426.8	0.0	0.0
2068	0.0	105.2	105.2	-6,496.2	430.9	0.0	0.0
2069	0.0	103.9	103.9	-6,600.1	435.0	0.0	0.0
2070	0.0	102.6	102.6	-6,702.7	439.0	0.0	0.0
2071 2072	0.0 0.0	101.4 100.2	101.4 100.2	-6,804.1 -6,904.3	443.0 447.0	0.0 0.0	0.0 0.0
2072	0.0	99.0	99.0	-6,904.3 -7,003.4	450.9	0.0	0.0
2073	0.0	97.9	97.9	-7,101.2	454.8	0.0	0.0
2075	0.0	96.8	96.8	-7,198.0	458.7	0.0	0.0
2076	0.0	95.7	95.7	-7,293.7	462.5	0.0	0.0
2077	0.0	94.6	94.6	-7,388.2	466.3	0.0	0.0
2078	0.0	93.5	93.5	-7,481.8	470.1	0.0	0.0
2079	0.0	92.5	92.5	-7,574.3	473.8	0.0	0.0
2080	0.0	91.5	91.5	-7,665.8	477.5	0.0	0.0
2081	0.0	90.6	90.6	-7,756.4	481.2	0.0	0.0
2082	0.0	89.6	89.6	-7,846.0	484.9	0.0	0.0
2083 2084	0.0	88.7 87.8	88.7 87.8	-7,934.7 -8,022.4	488.6	0.0	0.0
2084 2085	0.0 0.0	87.8 86.9	87.8 86.9	-8,022.4 -8,109.3	492.2 495.7	0.0 0.0	0.0 0.0
2085	0.0	86.0	86.0	-8,195.2	499.2	0.0	0.0
2000	0.0	85.1	85.1	-8,280.3	502.7	0.0	0.0
2088	0.0	84.2	84.2	-8,364.5	506.2	0.0	0.0
2089	0.0	83.3	83.3	-8,447.7	509.6	0.0	0.0
2090	0.0	82.4	82.4	-8,530.1	512.9	0.0	0.0
2091	0.0	81.5	81.5	-8,611.6	516.2	0.0	0.0
2092	0.0	80.6	80.6	-8,692.1	519.5	0.0	0.0

0.0 Based on Intermediate Assumptions of the 2018 Trustees Report.

Ultimate Real Trust Fund Yield of 2.7%.

Total 2018-2092

Note: Changes reflect the budget scoring convention that presumes benefits not payable after reserve depletion would

8,692.1

nonetheless be paid, based on transfers from the General Fund of the Treasury resulting in additional borrowing from the public. <sup>1</sup> Effects of tax provisions on the On-Budget are not reflected in this table.

8,692.1

Table 1b.n - OASDI Changes & Implications for Federal Budget and Debt of Specified Plan Provision Effects on OASDI<sup>1</sup> (Nominal Dollars) "Protecting and Preserving Social Security Act," Introduced by Representative Deutch and Senator Hirono

			Billions	s of Nominal Doll	ars		
Year	Specified General Fund Transfers	Basic Changes in OASDI Cash Flow	Change in Annual Unified Budget Cash Flow	Change in Debt Held by Public at End of Year	Change in Annual Unified Budget Balance	Change in Total Federal Debt End of Year	Change in Annual On Budget Balance
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	27.2	27.2	-27.6	27.6	0.0	0.0
2021	0.0	58.5	58.5	-87.8	60.2	0.0	0.0
2022	0.0	89.6	89.6	-181.4	93.5	0.0	0.0
2023	0.0	122.6	122.6	-311.3	129.9	0.0	0.0
2024	0.0	157.7	157.7	-481.1	169.9	0.0	0.0
2025	0.0	194.3	194.3	-694.0	212.9	0.0	0.0
2026	0.0	232.4	232.4	-953.6	259.6	0.0	0.0
2027	0.0	240.7	240.7	-1,232.0	278.4	0.0	0.0
2028	0.0	248.0	248.0	-1,532.7	300.7	0.0	0.0

Based on Intermediate Assumptions of the 2018 Trustees Report.

Note: Changes reflect the budget scoring convention that presumes benefits not payable after reserve depletion would

nonetheless be paid, based on transfers from the General Fund of the Treasury resulting in additional borrowing from the public. <sup>1</sup> Effects of tax provisions on the On-Budget are not reflected in this table.

Table 1c - Current Law and Proposal Cost, Expenditures, and Income: As Percent of Gross Domestic Product
"Protecting and Preserving Social Security Act," Introduced by Representative Deutch and Senator Hirono

		Current Law OASDI		_	Proposal OASDI			
_		Expenditures	Non-Interest		Expenditures	Non-Interest		
Calendar	Cost	(Payable)	Income	Cost	(Payable)	Income		
Year	(1)	(2)	(3)	(4)	(5)	(6)		
2018	4.94	4.94	4.52	4.94	4.94	4.52		
2019	4.99	4.99	4.61	4.99	4.99	4.61		
2020	5.07	5.07	4.62	5.07	5.07	4.75		
2021	5.14	5.14	4.65	5.14	5.14	4.90		
2022	5.22	5.22	4.68	5.23	5.23	5.06		
2023	5.30	5.30	4.70	5.32	5.32	5.20		
2024	5.39	5.39	4.73	5.42	5.42	5.35		
2025	5.47	5.47	4.75	5.51	5.51	5.48		
2026 2027	5.55 5.63	5.55 5.63	4.81 4.82	5.60 5.69	5.60 5.69	5.65 5.67		
2027	5.70	5.70	4.82	5.77	5.77	5.67		
2029	5.77	5.77	4.82	5.85	5.85	5.67		
2030	5.83	5.83	4.82	5.92	5.92	5.66		
2031	5.89	5.89	4.81	5.99	5.99	5.66		
2032	5.94	5.94	4.81	6.04	6.04	5.66		
2033	5.98	5.98	4.81	6.09	6.09	5.66		
2034	6.01	5.67	4.81	6.13	6.13	5.65		
2035	6.03	4.80	4.80	6.16	6.16	5.65		
2036	6.05	4.80	4.80	6.19	6.19	5.64		
2037	6.07	4.80	4.80	6.21	6.21	5.64		
2038	6.07 6.07	4.79	4.79	6.22	6.22	5.64		
2039 2040	6.07 6.07	4.79 4.78	4.79 4.78	6.23 6.22	6.23 6.22	5.63 5.63		
2040 2041	6.07	4.78	4.78	6.22	6.22	5.62		
2041	6.04	4.78	4.78	6.20	6.20	5.62		
2042	6.02	4.77	4.77	6.19	6.19	5.62		
2044	6.00	4.77	4.77	6.17	6.17	5.61		
2045	5.98	4.76	4.76	6.16	6.16	5.61		
2046	5.97	4.76	4.76	6.14	6.14	5.61		
2047	5.95	4.76	4.76	6.13	6.13	5.60		
2048	5.94	4.76	4.76	6.12	6.12	5.60		
2049	5.93	4.75	4.75	6.11	6.11	5.60		
2050	5.93	4.75	4.75	6.10	6.10	5.60		
2051	5.92	4.75	4.75	6.10	6.10	5.59		
2052	5.92	4.75	4.75	6.10	6.10	5.59		
2053 2054	5.92 5.92	4.75 4.75	4.75 4.75	6.10 6.10	5.80 5.59	5.59 5.59		
2055	5.92	4.73	4.74	6.11	5.59	5.59		
2056	5.94	4.74	4.74	6.12	5.59	5.59		
2057	5.95	4.74	4.74	6.13	5.58	5.58		
2058	5.96	4.74	4.74	6.15	5.58	5.58		
2059	5.98	4.74	4.74	6.16	5.58	5.58		
2060	5.99	4.74	4.74	6.18	5.58	5.58		
2061	6.01	4.74	4.74	6.19	5.58	5.58		
2062	6.02	4.74	4.74	6.21	5.58	5.58		
2063	6.03	4.73	4.73	6.22	5.58	5.58		
2064	6.05	4.73	4.73	6.24	5.57	5.57		
2065	6.06 6.08	4.73	4.73	6.25 6.27	5.57 5.57	5.57 5.57		
2066 2067	6.08 6.09	4.73 4.72	4.73 4.72	6.27 6.28	5.57 5.56	5.57 5.56		
2067	6.11	4.72	4.72	6.30	5.56	5.56		
2069	6.12	4.72	4.72	6.31	5.56	5.56		
2070	6.14	4.71	4.71	6.33	5.55	5.55		
2071	6.15	4.71	4.71	6.35	5.55	5.55		
2072	6.16	4.71	4.71	6.36	5.55	5.55		
2073	6.17	4.70	4.70	6.37	5.54	5.54		
2074	6.18	4.70	4.70	6.38	5.54	5.54		
2075	6.19	4.70	4.70	6.39	5.54	5.54		
2076	6.19	4.69	4.69	6.39	5.53	5.53		
2077	6.19	4.69	4.69	6.39	5.53	5.53		
2078	6.18	4.68	4.68	6.38	5.52	5.52		
2079	6.17	4.68	4.68	6.37	5.52	5.52		
2080 2081	6.16 6.15	4.67 4.67	4.67 4.67	6.36 6.35	5.51 5.50	5.51 5.50		
2081 2082	6.15 6.14	4.67	4.66	6.35	5.50	5.50 5.50		
2082	6.12	4.66	4.66	6.33	5.49	5.49		
2083	6.11	4.65	4.65	6.32	5.49	5.49		
2085	6.10	4.65	4.65	6.31	5.48	5.48		
2086	6.10	4.64	4.64	6.30	5.48	5.48		
2087	6.09	4.64	4.64	6.30	5.48	5.48		
2088	6.09	4.64	4.64	6.30	5.47	5.47		
2089	6.10	4.63	4.63	6.30	5.47	5.47		
2090	6.10	4.63	4.63	6.31	5.47	5.47		
2091	6.11	4.63	4.63	6.31	5.46	5.46		
2092	6.12	4.63	4.63	6.32	5.46	5.46		

Based on Intermediate Assumptions of the 2018 Trustees Report.

## Table 1d - Change in Long-Range Trust Fund Reserves / Unfunded Obligation "Protecting and Preserving Social Security Act," Introduced by Representative Deutch and Senator Hirono

	(Billions of Dollars, Present Value on 1-1-2016) Current Law OASDI Basic Proposa					
	Trust Fund Reserves /	Changes	Changes	Basic Changes	Total Change	Proposal OAS Trust Fund Reserve
	Unfunded Obligation	in OASDI	in OASDI	in OASDI	Through	Unfunded Obligati
Year	Through End of Year	Income	Cost	Cash Flow	End of Year	Through End of Ye
rour	(1)	(2)	(3)	(4) = (2)-(3)	(5) = cumulative sum(4)	(6) = (1)+
2018	2,808.6	0.0	0.0	(4) = (2)-(3) 0.0	(0) 00111010100 00111(4) 0.0	2,808
2019	2,730.2	0.0	0.0	0.0	0.0	2,730
2020	2,639.0	25.3	0.0	25.3	25.3	2,664
2021	2,536.5	53.0	0.0	53.1	78.4	2,614
2022	2,421.0	81.0	2.0	78.9	157.3	2,578
2022 2023	2,421.0	109.2	4.3	105.0	262.3	2,572
2024	2,144.3	137.7	6.6	131.2	393.5	2,537
2025	1,982.3	165.8	9.0	156.8	550.3	2,53
2026	1,813.8	193.2	11.4	181.8	732.1	2,54
2027	1,627.7	196.0	13.9	182.2	914.2	2,54
2028	1,423.5	197.4	16.3	181.1	1,095.3	2,51
2029	1,202.6	198.0	18.6	179.3	1,274.7	2,47
2030	967.1	197.8	20.8	177.0	1,451.7	2,41
2031	719.2	196.9	22.8	174.1	1,625.7	2,34
2032	461.5	195.3	24.7	170.7	1,796.4	2,25
2033	196.4	193.3	26.3	167.0	1,963.4	2,15
2034	-74.2	191.3	27.7	163.5	2,127.0	2,05
2035	-348.2	189.3	29.1	160.2	2,287.2	1,93
2036	-624.3	187.3	30.3	157.0	2,444.2	1,82
2037	-901.6	185.3	31.3	154.0	2,598.2	1,69
2038	-1,178.6	183.4	32.2	151.2	2,749.4	1,57
2039	-1,453.2	181.6	33.0	148.6	2,898.0	1,44
2039 2040	-1,724.5	179.8	33.7	146.1	3,044.1	1,44
2041	-1,991.5	178.0	34.2	143.8	3,187.8	1,19
2042	-2,253.3	176.3	34.6	141.7	3,329.5	1,07
2043	-2,509.6	174.6	34.9	139.7	3,469.2	95
2044	-2,760.5	173.0	35.1	137.9	3,607.1	84
2045	-3,006.5	171.4	35.3	136.2	3,743.3	73
2046	-3,247.8	169.8	35.3	134.5	3,877.8	63
2047	-3,484.9	168.3	35.3	133.0	4,010.8	52
2048	-3,717.9	166.7	35.2	131.5	4,142.3	42
2049	-3,947.2	165.2	35.0	130.1	4,272.4	32
2050	-4,173.4	163.6	34.9	128.8	4,401.2	22
2051	-4,396.7	162.1	34.7	127.4	4,528.6	13
2052	-4,617.8	160.6	34.4	126.2	4,654.8	3
2053	-4,837.3	159.1	34.2	124.9	4,779.7	-5
2054	-5,055.6	157.5	33.9	123.6	4,903.3	-15
2055	-5,273.3	156.0	33.7	120.0	5,025.6	-24
2056	-5,490.8	154.4	33.4	122.0	5,146.7	-34
2050		152.9	33.2	121.0		-44
2057	-5,708.5 -5,926.7	152.9	32.9	119.6	5,266.4 5,384.9	-44 -54
		149.8	32.5	117.1		
2059	-6,145.3				5,502.0	-64
2060	-6,364.3	148.3	32.5	115.8	5,617.8	-74
2061	-6,583.8	146.7	32.3	114.5	5,732.3	-85
2062	-6,803.9	145.2	32.1	113.1	5,845.4	-95
2063	-7,024.4	143.7	31.9	111.8	5,957.2	-1,06
2064	-7,245.4	142.1	31.7	110.5	6,067.6	-1,17
2065	-7,466.8	140.6	31.5	109.1	6,176.7	-1,29
2066	-7,688.9	139.1	31.3	107.8	6,284.5	-1,40
2067	-7,911.6	137.7	31.2	106.5	6,391.0	-1,52
2068	-8,135.0	136.2	31.0	105.2	6,496.2	-1,63
2069	-8,359.1	134.8	30.9	103.9	6,600.1	-1,75
2070	-8,583.9	133.3	30.7	102.6	6,702.7	-1,88
2071	-8,809.1	132.0	30.6	101.4	6,804.1	-2,00
2072	-9,034.3	130.6	30.4	100.2	6,904.3	-2,13
2072	-9,259.4	129.3	30.4	99.0	7,003.4	-2,15
2073	-9,483.9	129.0	30.2	97.9	7,003.4	-2,38
			29.9			-2,50
2075	-9,707.7	126.7		96.8	7,198.0	
2076	-9,930.3	125.4	29.7	95.7	7,293.7	-2,63
2077	-10,151.0	124.1	29.5	94.6	7,388.2	-2,76
2078	-10,369.5	122.9	29.3	93.5	7,481.8	-2,88
2079	-10,585.3	121.6	29.1	92.5	7,574.3	-3,01
2080	-10,798.2	120.4	28.9	91.5	7,665.8	-3,13
2081	-11,008.1	119.2	28.6	90.6	7,756.4	-3,25
2082	-11,215.0	118.0	28.4	89.6	7,846.0	-3,36
2083	-11,418.8	116.8	28.2	88.7	7,934.7	-3,48
2084	-11,619.9	115.7	27.9	87.8	8,022.4	-3,59
2085	-11,818.5	114.5	27.3	86.9	8,109.3	-3,70
2085	-12,014.8	114.5	27.4	86.0	8,109.3	-3,81
2087	-12,209.2	112.2	27.2	85.1	8,280.3	-3,92
2088	-12,402.2	111.1	26.9	84.2	8,364.5	-4,03
2089	-12,594.0	109.9	26.7	83.3	8,447.7	-4,14
2090	-12,785.0	108.8	26.4	82.4	8,530.1	-4,25
2091	-12,975.4	107.7	26.2	81.5	8,611.6	-4,36
2091						
2091 2092	-13,165.6	<u>106.6</u>	26.0	<u>80.6</u>	8,692.1	-4,47

Based on Intermediate Assumptions of the 2018 Trustees Report.

Ultimate Real Trust Fund Yield of 2.7%.