Withdrawn/Redacted Material
The George W. Bush Library

DOCUMENT NO.	FORM	SUBJECT/TITLE	PAGES	DATE	RESTRICTION(S)
001	Letter	Victim Compensation Fund 2001 [with attachments] [53 PAGES RELEASED IN WHOLE ON PRA RE-REVIEW 05/20/2025 JLS] - To: Robert D. McCallum - From: John W. Wills	53	11/20/2001	
002	Outline	Draft Regulatory Sections on Economic and Non-Economic Losses [7 PAGES RELEASED IN WHOLE ON PRA RE-REVIEW 05/20/2025 JLS]	7	N.D.	

COLLECTION TITLE:
Counsel's Office, White House

SERIES:
Kavanaugh, Brett - Subject Files

FOLDER TITLE:
09/11/2001 Victims Compensatory Funds Regulations [3]

FRC ID:
9702

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P1 National Security Classified Information [(a)(1) of the PRA]
P2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P3 Release would violate a Federal statute [(a)(3) of the PRA]
P4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P5 Release would disclose confidential advice between the President and his advisors, or between such advisors [a)(5) of the PRA]
P6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

PRM. Personal record misfile defined in accordance with 44 U.S.C. 2201(3).

Deed of Gift Restrictions

A. Closed by Executive Order 13526 governing access to national security information.
B. Closed by statute or by the agency which originated the document.
C. Closed in accordance with restrictions contained in donor's deed of gift.

Freedom of Information Act - [5 U.S.C. 552(b)]

b(1) National security classified information [(b)(1) of the FOIA]
b(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
b(3) Release would violate a Federal statute [(b)(3) of the FOIA]
b(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
b(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
b(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
b(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
b(9) Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

Records Not Subject to FOIA

Court Sealed - The document is withheld under a court seal and is not subject to the Freedom of Information Act.

This document was prepared on Thursday, September 11, 2025

2017-0345-F
2018-0016-P
2018-0016-P 2
2018-0016-P

Withdrawn/Redacted Material
The George W. Bush Library

SUPERSEDED

DOCUMENT NO.	FORM	SUBJECT/TITLE	PAGES	DATE	RESTRICTION(S)
001	Letter	Victim Compensation Fund 2001 [with attachments] - To: Robert D. McCallum - From: John W. Wills	53	11/20/2001	P5;
002	Outline	Draft Regulatory Sections on Economic and Non-Economic Losses	7	N.D.	P5;

COLLECTION TITLE:
Counsel's Office, White House

SERIES:
Kavanaugh, Brett - Subject Files

FOLDER TITLE:
09/11/2001 Victims Compensatory Funds Regulations [3]

FRC ID:
9702

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P1 National Security Classified Information [(a)(1) of the PRA]
P2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P3 Release would violate a Federal statute [(a)(3) of the PRA]
P4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P5 Release would disclose confidential advice between the President and his advisors, or between such advisors [a)(5) of the PRA]
P6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

PRM. Personal record misfile defined in accordance with 44 U.S.C. 2201(3).

Deed of Gift Restrictions

A. Closed by Executive Order 13526 governing access to national security information.
B. Closed by statute or by the agency which originated the document.
C. Closed in accordance with restrictions contained in donor's deed of gift.

Freedom of Information Act - [5 U.S.C. 552(b)]

b(1) National security classified information [(b)(1) of the FOIA]
b(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
b(3) Release would violate a Federal statute [(b)(3) of the FOIA]
b(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
b(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
b(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
b(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
b(9) Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

Records Not Subject to FOIA

Court Sealed - The document is withheld under a court seal and is not subject to the Freedom of Information Act.

U.S. Department of Justice

Civil Division

Washington, D.C. 20530

December 6, 2001

MEMORANDUM

To: Brett Kavanaugh
Associate White House Counsel

From: Katherine Bloemendal
Attorney Advisor
Civil Division

Re: At the request of John Wood, I am forwarding you copies of comments received by the Department of Justice in the response to the Notice of Inquiry and Advance Notice of Rulemaking. The first group of comments are from members of Congress, and the second set of comments are from other interested groups as well as individual citizens. If you have any questions concerning the enclosed comments, I can be reached at (202) 353-7957.

PRICEWATERHOUSECOOPERS

PricewaterhouseCoopers LLP
Suite 900
1900 K St.
Washington DC 20006
Telephone (202) 822 4000
Facsimile (202) 822 5800

November 20, 2001

Robert D. McCallum, Esq.
Assistant Attorney General
U.S. Department of Justice
Civil Division
950 Pennsylvania Ave. NW
Room 3141
Washington, DC 20530-0001

Re: ***Victim Compensation Fund of 2001***

Dear Mr. McCallum:

This letter is in response to our earlier discussions on evaluating and quantifying claims on the Victim Compensation Fund. We have prepared hypothetical evaluations of six different claims. Our objective was to complete the evaluations with a relatively small number of required data elements. The hypothetical claims range by salary, location, occupation, and family structure. The attached schedules provide the results of the evaluation and the models employed in the computations.

The first chart, *Valuation Examples – Assumptions*, provides a summary of the variables used in each hypothetical. The results of each computation follow. You will note that there are some significant differences in the values computed. For instance, in the first two examples, otherwise similarly situated bond traders are computed to two significantly different values. These examples point out the large impact family structure and standing have on the value of these claims. In hypothetical number one, the bond trader was single. This impacts the claim in two significant ways: there is no surviving spouse so the claimant is assumed to be the parents; and the estimate of personal consumption is higher. The consideration of personal consumption is based on the overall objective in a wrongful death/personal injury evaluation. That objective is to compute the value of economic loss to the claimant. Therefore, the value of what the decedent would have spent on himself, or his "personal consumption," is not available to the claimant.

PRICEWATERHOUSECOOPERS

Robert D. McCallum, Esq.
November 20, 2001
Page 2

Other significant variables impacting the value of the claims were the compensation level and duration of assumed payment. The assumptions for the values used for each claim computation are presented in the chart titled *Wage Profiles for Hypothetical Victims*. For each of the occupations we used salary survey data for the relevant market. In practice, we envision that some level of actual salary information will be available for virtually all of the claims. This is particularly true if a confirmation by employers or some other means of communicating with the employers is established in the regulations promulgated by the Attorney General and Special Master.

The other assumptions and bases are included in each computation. We have computed each one on a before tax basis but we can readily compute each on an after tax basis as needed. In addition, choice of law questions will also affect the actual calculations, but these illustrations do point out the variability of outcomes.

We are available to explain our work in more detail and demonstrate the models that produced these hypothetical claims. Please contact me at your convenience at 202-822-4401.

Very truly yours,

John W. Wills

John W. Wills
Partner
PricewaterhouseCoopers LLP

Enclosure

PRICEWATERHOUSECOOPERS

VICTIM COMPENSATION FUND
EVALUATION EXAMPLES - ASSUMPTIONS

	Hypothetical #1	*Hypothetical #2*	*Hypothetical #3*	*Hypothetical #4*	*Hypothetical #5*	*Hypothetical #6*
Name	James 11111	Katherine 22222	Thomas 33333	Sean 44444	Lucas 55555	Chris 66666
Location of Death	WTC	WTC	WTC	WTC	Pentagon	Shanksville
Occupation at Death	Bond Trader	Bond Trader	Chef	Fire Fighter	Army Major	Flight Attendant
Date of Birth	15-Jul-71	15-Mar-68	20-Aug-53	1-Aug-65	25-Feb-67	7-Nov-78
Marital status	Single	Married	Married	Married	Married	Single
Spouse Date of Birth		3/9/1966	5/21/1959	6/9/1965	10/5/1968	
Dependants/DOB		Joy 4/19/1999 Timothy 5/21/2001	None	Jennifer 4/12/1990 Colin 12/2/1992 Thomas 9/29/1997	Pat 2/17/1996	
Location of Residency	New York	New York	New Jersey	New York	Virginia	Florida

Wage Profiles for Hypothetical Victims
(Figures current as of 7/1/2001)

Experience	Flight Attendant (National)	Bond Sales Trader (NYC)	Chef (NYC)	5% Firefighter (NYC) [1]	Army Major	BAH-II	Army Major + BAH-II
1	$30,827	$59,729	$34,669	**$35,000**	$34,070	$10,580	$44,651
2	34,126	62,238	38,442	37,588	41,486	10,580	52,067
3	37,381	64,737	42,164	40,367	44,255	10,580	54,835
4	40,515	67,215	45,746	43,352	44,874	10,580	55,454
5	43,451	69,663	49,098	46,557	44,874	10,580	55,454
6	46,108	72,070	52,129	**50,000**	47,441	10,580	58,021
7	48,414	74,426	54,754	50,000	47,441	10,580	58,021
8	50,300	76,590	56,895	50,000	49,532	10,580	60,113
9	51,711	78,674	58,488	50,000	49,532	10,580	60,113
10	52,602	80,668	59,483	50,000	52,916	10,580	63,497
11	52,602	82,563	59,483	52,500	52,916	10,580	63,497
12	52,602	84,350	59,483	52,500	55,552	10,580	66,132
13	52,602	86,019	59,483	52,500	55,552	10,580	66,132
14	52,602	87,561	59,483	52,500	57,380	10,580	67,961
15	52,602	87,561	59,483	52,500	57,380	10,580	67,961
16	52,602	87,561	59,483	55,125	59,220	10,580	69,800
17	52,602	87,561	59,483	55,125	59,220	10,580	69,800
18	52,602	87,561	59,483	55,125	59,839	10,580	70,420
19	52,602	87,561	59,483	55,125	59,839	10,580	70,420
20	52,602	87,561	59,483	55,125	59,839	10,580	70,420
21	52,602	87,561	59,483	57,881	59,839	10,580	70,420
22	52,602	87,561	59,483	57,881	59,839	10,580	70,420
23	52,602	87,561	59,483	57,881	59,839	10,580	70,420
24	52,602	87,561	59,483	57,881	59,839	10,580	70,420
25	52,602	87,561	59,483	57,881	59,839	10,580	70,420
26	52,602	87,561	59,483	60,775	59,839	10,580	70,420
27	52,602	87,561	59,483	60,775	59,839	10,580	70,420
28	52,602	87,561	59,483	60,775	59,839	10,580	70,420
29	52,602	87,561	59,483	60,775	59,839	10,580	70,420
30	52,602	87,561	59,483	60,775	59,839	10,580	70,420
31	52,602	87,561	59,483	63,814	59,839	10,580	70,420
32	52,602	87,561	59,483	63,814	59,839	10,580	70,420
33	52,602	87,561	59,483	63,814	59,839	10,580	70,420
34	52,602	87,561	59,483	63,814	59,839	10,580	70,420
35	52,602	87,561	59,483	63,814	59,839	10,580	70,420
36	52,602	87,561	59,483	67,005	59,839	10,580	70,420
37	52,602	87,561	59,483	67,005	59,839	10,580	70,420
38	52,602	87,561	59,483	67,005	59,839	10,580	70,420
39	52,602	87,561	59,483	67,005	59,839	10,580	70,420
40	52,602	87,561	59,483	67,005	59,839	10,580	70,420
41	52,602	87,561	59,483	70,355	59,839	10,580	70,420
42	52,602	87,561	59,483	70,355	59,839	10,580	70,420
43	52,602	87,561	59,483	70,355	59,839	10,580	70,420
44	52,602	87,561	59,483	70,355	59,839	10,580	70,420
45	52,602	87,561	59,483	70,355	59,839	10,580	70,420

1 Assumes 5% longevity pay increase every 5 years

PricewaterhouseCoopers

Calculated Average Consumption of Adult by Household Size and Income Level

Source: 1998-99 Consumer Expenditure Survey data

Household Size	Income Level Lower Bound					
	$20,000	$30,000	$40,000	$50,000	$60,000	$70,000
1	90.20%	75.78%	68.37%	64.28%	64.28%	51.61%
2	38.24%	30.83%	27.92%	22.90%	22.90%	17.45%
3	27.28%	21.72%	20.61%	18.48%	18.48%	13.73%
4	23.82%	21.39%	16.63%	16.05%	16.05%	11.98%
5	18.47%	19.01%	15.54%	15.32%	15.32%	11.71%

Dollar Value of Household Services

Using Market Alternative Wage Rates

2000$

		Hours Worked Per Week Outside Home					
		FEMALE			MALE		
# Children	HH Size	None	1-34	35-40	None	1-34	35-40
0	2	$14,305	$10,985	$8,162	$7,813	$6,345	$4,439
1	3	16,107	10,598	9,371	7,813	6,345	6,001
2	4	18,061	13,784	10,789	7,813	6,345	6,486
3	5	18,147	16,982	10,996	N/A	N/A	7,118
4	6	22,790	16,790	12,210	N/A	N/A	7,219

Adjustment Factor from 2000 to 2001:

474.38	Average Weekly Earnings, 2000
493.74	Average Weekly Earnings, July 2001
4.08%	Percent Change

2001$

		Hours Worked Per Week Outside Home					
		FEMALE			MALE		
# Children	HH Size	None	1-34	35-40	None	1-34	35-40
	1	2	3	4	5	6	7
0	2	$14,889	$11,433	$8,495	$8,132	$6,604	$4,620
1	3	16,764	11,031	9,753	8,132	6,604	6,246
2	4	18,798	14,347	11,229	8,132	6,604	6,751
3	5	18,888	17,675	11,445	N/A	N/A	7,408
4	6	23,720	17,475	12,708	N/A	N/A	7,514

Combined Federal, State, and City Income Taxes

Calculated Average Effective* Tax Rates by Wage and Salary Income Bracket: 1998 Data

Salaries & Wages Bracket		Combined Federal, State and City Effective Tax Rate							
		Single				**Married**			
		FL	NJ	VA	NY City	FL	NJ	VA	NY City
$1	$5,047	0.99%	1.08%	1.12%	1.45%	0.99%	1.08%	1.12%	1.45%
5,047	9,310	1.90%	2.09%	2.17%	2.86%	1.90%	2.09%	2.17%	2.86%
9,310	13,972	3.46%	3.82%	3.99%	5.27%	3.46%	3.82%	3.99%	5.27%
13,972	18,599	4.87%	5.42%	6.08%	7.64%	4.87%	5.42%	6.08%	7.64%
18,599	23,177	6.12%	6.81%	8.00%	9.74%	6.12%	6.81%	8.00%	9.60%
23,177	27,710	7.56%	8.36%	9.93%	12.15%	7.56%	8.36%	9.93%	11.61%
27,710	36,529	8.84%	9.73%	11.67%	14.28%	8.84%	9.73%	11.67%	13.43%
36,529	44,914	10.02%	11.02%	13.24%	16.25%	10.02%	11.02%	13.24%	15.34%
44,914	65,814	11.23%	12.63%	14.81%	18.19%	11.23%	12.34%	14.81%	17.36%
65,814	83,408	13.78%	16.08%	17.68%	21.39%	13.78%	15.08%	17.68%	20.79%
83,408	147,816	17.47%	20.78%	21.72%	25.78%	17.47%	19.63%	21.72%	25.38%
147,816	312,976	24.06%	28.76%	28.88%	33.51%	24.06%	28.09%	28.88%	33.33%
312,976	465,663	28.17%	33.54%	33.26%	38.17%	28.17%	33.25%	33.26%	38.09%
465,663		27.51%	33.21%	32.71%	37.74%	27.51%	33.15%	32.71%	37.72%

*Calculated using actual taxes paid (accounting for average allowances and deductions)

Tab 1

James 11111
Decedent's Net Contribution to Household Earnings Before Taxes

Occupation: **Bond Trader**
Age as of 9/11/01: **30.16**

Year	Age	HH Size	Total Compensation 2001$	Fringe Benefits 2001$	Decendent's HH Consump %[1]	Pre-Tax Net Contribution to Household 2001$[2]	Unempl Adj. Factor	Adjusted Available Total 2001$	Projected Parental Support 2001$	Past	Present Value Future	Cumulative Total
			a	b	c	d = a*(1-c) + b*(1-64.28%)	e	f = d * e	g	h	i	j
09/11/01												
2001	30	1	$23,486	$4,227	64.28%	$8,389	98.01%	$8,222	$920	$920		$920
2002	31	1	78,674	14,161	64.28%	28,102	98.01%	27,543	3,000	0	2,970	3,890
2003	32	1	80,668	14,520	64.28%	28,815	98.01%	28,241	3.000		2,912	6,802
2004	33	1	82,563	14,861	64.28%	29,492	98.01%	28,905	3,000		2,855	9,657
2005	34	1	84,350	15,183	64.28%	30,130	98.01%	29,530	3,000		2,799	12,456
2006	35	1	86,019	15,483	64.28%	30,726	98.45%	30,250	3,000		2,744	15,200
2007	36	1	87,561	15.761	64.28%	31,277	98.45%	30,792	3,000		2,690	17,890
2008	37	1	87,561	15,761	64.28%	31,277	98.45%	30,792	3,000		2,638	20,528
2009	38	1	87,561	15,761	64.28%	31,277	98.45%	30,792	3,000		2,586	23,114
2010	39	1	87,561	15.761	64.28%	31,277	98.45%	30,792	3,000		2,535	25,649
2011	40	1	87,561	15,761	64.28%	31,277	98.45%	30,792	3,000		2,486	28,135
2012	41	1	87,561	15,761	64.28%	31,277	98.45%	30,792	3,000		2,437	30,572
2013	42	1	87,561	15.761	64.28%	31,277	98.45%	30,792	3,000		2,389	32,961
2014	43	1	87,561	15,761	64.28%	31,277	98.45%	30,792	3,000		2,342	35,303
2015	44	1	87,561	15,761	64.28%	31,277	98.45%	30,792	3,000		2,296	37,599
2016	45	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		2,251	39,850
2017	46	1	87,561	15,761	64.28%	31,277	98.70%	30.870	3,000		2,207	42,057
2018	47	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		2,164	44,221
2019	48	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		2,121	46,342
2020	49	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		2,080	48,422
2021	50	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		2.039	50,461
2022	51	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		1,999	52,460
2023	52	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		1,960	54,420
2024	53	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		1,921	56,341
2025	54	1	87,561	15,761	64.28%	31,277	98.70%	30,870	3,000		1,884	58,225
2026	55	1	87,561	15,761	64.28%	31,277	98.72%	30,876	3,000		1,847	60,072
2027	56	1	87,561	15,761	64.28%	31,277	98.72%	30,876	3,000		1,811	61,883
2028	57	1	87,561	15,761	64.28%	31,277	98.72%	30,876	3,000		1,775	63,658
2029	58	1	7,297	1,313	64.28%	2,606	98.72%	2,573	214		126	63,784
02/01/29												

1 Assumes fringe benefits not 100% consumed by decedent are consumed at rate of final projected household size (primarily after end of working life)

2 If single decedent, assumes 100% of retirement, savings and legally required fringe benefits are self-consumed.

James 11111
Underlying Facts and Assumptions

Personal Information

Decedent:	James 11111
Date of Birth:	07/15/71
Date of Death:	09/11/01
Age at Date of Death:	30.16
Occupation:	Bond Trader
Residence:	New York

Demographic Information

	Decedent	Spouse	Child #1	Child #2	Child #3
Gender: (Female = 1, Male = 2)	2	NA	NA	NA	NA
Race: (African-American = 1, Caucasian = 2, All = 3)	3	NA	NA	NA	NA
Education: (Less Than High School = 1, High School - Some College = 2, College Degree and Above = 3)	3	NA	NA	NA	NA

Spouse:

	NA
Date of Birth:	NA
Age at Valuation:	NA
Occupation:	Unknown
Annual Earnings:	Unknown

Children:

Child:	1	2	3
Name:	NA	NA	NA
Date of Birth:	NA	NA	NA
Current Age at Valuation:	NA	NA	NA
18th Birthdate:	NA	NA	NA
22nd Birthdate:	NA	NA	NA
Occupation:	NA	NA	NA
Annual Earnings:	NA	NA	NA

Household size: 2001 1

End Household Size: 1

James 11111

Underlying Facts and Assumptions

Decedent's Consuption as Percent of Income Before Taxes:

HH Size	Percent
1	64.28%

Valuation Date: 01/01/02

Employment Cost Index:

	White Collar	Blue Collar
Jun-01	154.4	145.9
Jun-98	137.5	131.3

Occupation [White Collar=1, Blue Collar=2]: 1

Annual Earnings:

2001	$76,590
1998	$68,207
Effective tax rate:	21.39%

Maximum Annual Social Security Pension Benefit:

	Age 62	Age 65
2001	$15,768	$18,456
1998	$14,042	$16,436
Effective tax rate:	7.64%	7.64%

Pre-Tax Net Discount Rate: 2.00%

After-Tax Net Discount Rate: 1.00%

Employee Benefits as Percent of Payroll

	Mfg	Non-Mfg	Average	
Legally Required	8.5%	8.4%	8.45%	(assumed sel -consumed)
Retirement and Savings	6.5%	9.3%	7.90%	(assumed sel consumed)
Life Insurance	0.4%	0.3%	0.35%	(assumed self-consumed)
Medical and Medically Related	8.3%	8.6%	8.45%	(assumed self-consumed)
Miscellaneous	0.7%	0.6%	0.65%	(assumed self-consumed)
Balance Not Self-Consumed	15.4%	18.0%	16.7%	

Industry [Manufacturing=1, Non-Manufacturing=2]: 2

Expected Working Life

	Age	Remaining Worklife	Worklife Expectancy	Date
James 11111	30.2	32.5	62.7	04/01/34
	30	32.7		
	31	31.8		

James 11111
Underlying Facts and Assumptions

Life Expectancy

Decendent:	James 11111	Age	Years to Life Expectancy	Life Expectancy	Date
	Age at Death	30.2	45.5	75.7	04/01/47
		30	45.7		
		31	44.7		

Spouse:	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #1	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #2	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #3	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Parent	Mother?	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age*	56.0	26.5	82.5	02/01/29
		56	26.5		
		57	25.7		

* assumed age 25 at decedent's date of birth

Estimated Potential Annual Support:	$3,000
End of Potential Claim for Support:	02/01/29

James 11111
Projected Total Compensation

Occupation: Bond Trader

Year	Age on Birthdate	Assumed Experience	Annual Compensation 2001$
2001	30	8	$76,590
2002	31	9	78,674
2003	32	10	80,668
2004	33	11	82,563
2005	34	12	84,350
2006	35	13	86,019
2007	36	14	87,561
2008	37	15	87,561
2009	38	16	87,561
2010	39	17	87,561
2011	40	18	87,561
2012	41	19	87,561
2013	42	20	87,561
2014	43	21	87,561
2015	44	22	87,561
2016	45	23	87,561
2017	46	24	87,561
2018	47	25	87,561
2019	48	26	87,561
2020	49	27	87,561
2021	50	28	87,561
2022	51	29	87,561
2023	52	30	87,561
2024	53	31	87,561
2025	54	32	87,561
2026	55	33	87,561
2027	56	34	87,561
2028	57	35	87,561
2029	58	36	87,561
02/01/29			

James 11111
Unemployment Rates

Year	Weight	US Civilian Labor Force: US Total	US Total 20-24	US Total 25-34	US Total 35-44	US Total 45-54	US Total 55-64	Professional Specialty Occupations	
2000	6	4.20%	7.1%	3.7%	3.0%	2.5%	2.5%	1.7%	
1999	6	4.50%	7.5%	4.0%	3.0%	2.6%	2.7%	1.9%	
1998	6	4.90%	7.9%	4.3%	3.4%	2.8%	2.6%	1.9%	
1997	6	5.40%	8.5%	4.7%	3.8%	3.0%	2.9%	2.1%	
1996	6	5.60%	9.3%	5.2%	4.1%	3.3%	3.3%	2.3%	
1995	3	6.10%	9.1%	5.4%	4.3%	3.3%	3.6%	2.5%	
1994	3	6.90%	9.7%	6.0%	4.6%	4.0%	4.1%	2.5%	
1993	3	7.50%	10.5%	6.9%	5.5%	4.8%	4.7%	2.6%	
1992	3	6.80%	11.4%	7.6%	5.8%	5.1%	5.1%	2.6%	
1991	3	5.60%	10.8%	6.9%	5.2%	4.5%	4.1%	2.4%	
1990	1	5.30%	8.8%	5.6%	4.1%	3.6%	3.3%	2.0%	
1989	1	5.50%	8.6%	5.2%	3.8%	3.2%	3.2%	1.7%	
1988	1	6.20%	8.7%	5.4%	4.0%	3.4%	3.2%	1.7%	
1987	1	7.00%	9.7%	6.0%	4.5%	4.0%	3.5%	2.0%	
1986	1	7.20%	10.7%	6.9%	5.0%	4.5%	4.1%	2.2%	
Average		5.91%	9.22%	5.59%	4.27%	3.64%	3.53%	2.1[illegible]%	
Weighted Average		5.55% (A)	8.86%	5.18%	4.03%	3.38%	3.32%	2.14%	(B)
Ratio							(B)/(A)	38.49%	

	Age Bracket Lower Bound				
	20	25	35	45	55
Estimated Unemployment Rate	3.41%	1.99%	1.55%	1.30%	1.28%

Tab 2

Katherine 22222
Decedent's Net Contribution to Household Earnings Before Taxes

Occupation: Bond Trader
Age as of 9/11/01: 33.49

Year	Age	HH Size	Total Compensation 2001$	Fringe Benefits 2001$	Decendent's HH Consump %[1]	Pre-Tax Net Contribution to Household 2001$[2]	Unempl Adj. Factor	Adjusted Available Total 2001$	Past	Present Value Future	Cumulative Total
			a	b	c	d = a*(1-c) + b*(1-17.45%)	e	f = d * e	g	h	i
09/11/01											
2001	33	4	$25,317	$4,557	11.98%	$26,046	98.01%	$25,528	$25,528		$25,528
2002	34	4	84,350	15,183	11.98%	86,778	98.01%	85,052	0	84,214	109,742
2003	35	4	86,019	15,483	11.98%	88,495	98.45%	87,123		84,575	194,317
2004	36	4	87,561	15,761	11.98%	90,082	98.45%	88,686		84,400	278,717
2005	37	4	87,561	15,761	11.98%	90,082	98.45%	88,686		82,747	361,464
2006	38	4	87,561	15,761	11.98%	90,082	98.45%	88,686		81,125	442,589
2007	39	4	87,561	15,761	11.98%	90,082	98.45%	88,686		79,536	522,125
2008	40	4	87,561	15,761	11.98%	90,082	98.45%	88,686		77,973	600,098
2009	41	4	87,561	15,761	11.98%	90,082	98.45%	88,686		76,445	676,543
2010	42	4	87,561	15,761	11.98%	90,082	98.45%	88,686		74,947	751,490
2011	43	4	87,561	15,761	11.98%	90,082	98.45%	88,686		73,479	824,969
2012	44	4	87,561	15,761	11.98%	90,082	98.45%	88,686		72,035	897,004
2013	45	4	87,561	15,761	11.98%	90,082	98.70%	88,911		70,803	967,807
2014	46	4	87,561	15,761	11.98%	90,082	98.70%	88,911		69,415	1,037,222
2015	47	4	87,561	15,761	11.98%	90,082	98.70%	88,911		68,055	1,105,277
2016	48	4	87,561	15,761	11.98%	90,082	98.70%	88,911		66,718	1,171,995
2017	49	3	87,561	15,761	13.73%	88,550	98.70%	87,398		64,298	1,236,293
2018	50	3	87,561	15,761	13.73%	88,550	98.70%	87,398		63,038	1,299,331
2019	51	2	87,561	15,761	17.45%	85,292	98.70%	84,184		59,530	1,358,861
2020	52	2	87,561	15,761	17.45%	85,292	98.70%	84,184		58,360	1,417,221
2021	53	2	87,561	15,761	17.45%	85,292	98.70%	84,184		57,216	1,474,437
2022	54	2	87,561	15,761	17.45%	85,292	98.70%	84,184		56,095	1,530,532
2023	55	2	87,561	15,761	17.45%	85,292	98.72%	84,201		55,007	1,585,539
2024	56	2	87,561	15,761	17.45%	85,292	98.72%	84,201		53,927	1,639,466
2025	57	2	87,561	15,761	17.45%	85,292	98.72%	84,201		52,870	1,692,336
2026	58	2	87,561	15,761	17.45%	85,292	98.72%	84,201		51,834	1,744,170
2027	59	2	72,968	13,134	17.45%	71,077	98.72%	70,167		42,419	1,786,589
11/01/27											

1 Assumes fringe benefits not 100% consumed by decedent are consumed at rate of final projected household size (primarily after end of working life).

2 If single decedent, assumes 100% of retirement, savings and legally required fringe benefits are self-consumed.

Katherine 22222
Decedent's Projected Household Services

Decedent Life Expectancy: 01/01/49
Decedent Healthy Life Expectancy (reduction of 5 years on average): 01/01/44
Spouse's Life Expectancy: 05/01/42
End of Potential Claim for Household Services: 05/01/42

Year	Age	HH Size	HH Support in 2001$	Past	Present Value Future	Cumulative Total
09/11/01						
2001	33	4	$3,443	$3,443		$3,443
2002	34	4	11,229	0	11,118	14,561
2003	35	4	11,229		10,901	25,462
2004	36	4	11,229		10,686	36,148
2005	37	4	11,229		10,477	46,625
2006	38	4	11,229		10,272	56,897
2007	39	4	11,229		10,070	66,967
2008	40	4	11,229		9,873	76,840
2009	41	4	11,229		9,679	86,519
2010	42	4	11,229		9,489	96,008
2011	43	4	11,229		9,304	105,312
2012	44	4	11,229		9,121	114,433
2013	45	4	11,229		8,942	123,375
2014	46	4	11,229		8,767	132,142
2015	47	4	11,229		8,595	140,737
2016	48	4	11,229		8,426	149,163
2017	49	3	9,753		7,175	156,338
2018	50	3	9,753		7,035	163,373
2019	51	2	8,495		6,007	169,380
2020	52	2	8,495		5,889	175,269
2021	53	2	8,495		5,774	181,043
2022	54	2	8,495		5,661	186,704
2023	55	2	8,495		5,550	192,254
2024	56	2	8,495		5,441	197,695
2025	57	2	8,495		5,334	203,029
2026	58	2	8,495		5,230	208,259
2027	59	2	8,495		5,127	213,386
2028	60	2	8,495		5,026	218,412
2029	61	2	8,495		4,928	223,340
2030	62	2	8,495		4,831	228,171
2031	63	2	8,495		4,737	232,908
2032	64	2	8,495		4,644	237,552
2033	65	2	8,495		4,553	242,105
2034	66	2	8,495		4,463	246,568
2035	67	2	8,495		4,376	250,944
2036	68	2	8,495		4,290	255,234
2037	69	2	8,495		4,206	259,440
2038	70	2	8,495		4,123	263,563
2039	71	2	8,495		4,043	267,606
2040	72	2	8,495		3,963	271,569
2041	73	2	8,495		3,886	275,455
2042	74	2	2,832		1,278	276,733
05/01/42						

Katherine 22222
Underlying Facts and Assumptions

Personal Information

Decedent:	Katherine 22222
Date of Birth:	03/15/68
Date of Death:	09/11/01
Age at Date of Death:	33.49
Occupation:	Bond Trader
Residence:	New York

Demographic Information

	Decedent	Spouse	Child #1	Child #2	Child #3
Gender: (Female = 1; Male = 2)	1	2	1	2	NA
Race: (African-American = 1; Caucasian = 2; All = 3)	3	3	3	3	NA
Education: (Less Than High School = 1; High School - Some College = 2; College Degree and Above = 3)	3	2	NA	NA	NA

Spouse:

	Husband
Date of Birth:	03/09/66
Age at Valuation:	35.8
Occupation:	Unknown
Annual Earnings:	Unknown

Children:

Child:	1	2	3
Name:	Joy	Timothy	NA
Date of Birth:	04/19/99	5/21/2001	NA
Current Age at Valuation:	2.7	0.6	NA
18th Birthdate:	04/19/17	05/21/19	NA
22nd Birthdate:	04/19/21	05/21/23	NA
Occupation:	NA	NA	NA
Annual Earnings:	NA	NA	NA

Household Size:

2001	4
2017	3
2019	2

End Household Size: 2

Katherine 22222
Underlying Facts and Assumptions

Decedent's Consuption as Percent of Income Before Taxes:

HH Size	Percent
1	51.61%
2	17.45%
3	13.73%
4	11.98%

Valuation Date: 01/01/02

Employment Cost Index:

	White Collar	Blue Collar
Jun-01	154.4	145.9
Jun-98	137.5	131.3

Occupation [White Collar=1, Blue Collar=2]: 1

Annual Earnings:

2001	$82,563
1998	$73,526

Effective tax rate: 20.79%

Maximum Annual Social Security Pension Benefit:

	Age 62	Age 65
2001	$15,768	$18,456
1998	$14,042	$16,436
Effective tax rate:	7.64%	7.64%

Pre-Tax Net Discount Rate: 2.00%
After-Tax Net Discount Rate: 1.00%

Employee Benefits as Percent of Payroll

	Mfg	Non-Mfg	Average	
Legally Required	8.5%	8.4%	8.45%	
Retirement and Savings	6.5%	9.3%	7.90%	
Life Insurance	0.4%	0.3%	0.35%	
Medical and Medically Related	8.3%	8.6%	8.45%	(assumed self-consumed)
Miscellaneous	0.7%	0.6%	0.65%	(assumed self-consumed)
Balance Not Self-Consumed	15.4%	18.0%	16.7%	

Industry [Manufacturing=1, Non-Manufacturing=2]: 2

Expected Working Life

	Age	Remaining Worklife	Worklife Expectancy	Date
Katherine 22222	33.5	26.1	59.6	11/01/27
	33	26.5		
	34	25.8		

Katherine 22222
Underlying Facts and Assumptions

Life Expectancy

Decendent:	Katherine 22222	Age	Years to Life Expectancy	Life Expectancy	Date
	Age at Death	33.5	47.3	80.8	01/01/49
		33	47.7		
		34	46.8		

Spouse:	Husband	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	35.8	40.3	76.1	05/01/42
		35	41.0		
		36	40.1		

Child #1	Joy	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	2.7	77.4	80.1	06/01/79
		2	78.0		
		3	77.1		

Child #2	Timothy	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	0.6	73.6	74.2	09/01/75
		0	73.8		
		1	73.4		

Child #3	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Parent	Mother?	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age*	59.0	24.0	83.0	04/01/26
		59	24.0		
		60	23.2		

* assumed age 25 at decedent's date of birth

End of Potential Claim for Support: 11/01/27

Katherine 22222
Projected Total Compensation

Occupation: Bond Trader

Year	Age on Birthdate	Assumed Experience	Annual Compensation 2001$
2001	33	11	$82,563
2002	34	12	84,350
2003	35	13	86,019
2004	36	14	87,561
2005	37	15	87,561
2006	38	16	87,561
2007	39	17	87,561
2008	40	18	87,561
2009	41	19	87,561
2010	42	20	87,561
2011	43	21	87,561
2012	44	22	87,561
2013	45	23	87,561
2014	46	24	87,561
2015	47	25	87,561
2016	48	26	87,561
2017	49	27	87,561
2018	50	28	87,561
2019	51	29	87,561
2020	52	30	87,561
2021	53	31	87,561
2022	54	32	87,561
2023	55	33	87,561
2024	56	34	87,561
2025	57	35	87,561
2026	58	36	87,561
2027	59	37	87,561
11/01/27			

Katherine 22222
Unemployment Rates

Year	Weight	US Civilian Labor Force: US Total	US Total 20-24	US Total 25-34	US Total 35-44	US Total 45-54	US Total 55-64	Professional Specialty Occupations
2000	6	4.20%	7.1%	3.7%	3.0%	2.5%	2.5%	1.7%
1999	6	4.50%	7.5%	4.0%	3.0%	2.6%	2.7%	1.9%
1998	6	4.90%	7.9%	4.3%	3.4%	2.8%	2.6%	1.9%
1997	6	5.40%	8.5%	4.7%	3.8%	3.0%	2.9%	2.1%
1996	6	5.60%	9.3%	5.2%	4.1%	3.3%	3.3%	2.3%
1995	3	6.10%	9.1%	5.4%	4.3%	3.3%	3.6%	2.5%
1994	3	6.90%	9.7%	6.0%	4.6%	4.0%	4.1%	2.5%
1993	3	7.50%	10.5%	6.9%	5.5%	4.8%	4.7%	2.6%
1992	3	6.80%	11.4%	7.6%	5.8%	5.1%	5.1%	2.6%
1991	3	5.60%	10.8%	6.9%	5.2%	4.5%	4.1%	2.4%
1990	1	5.30%	8.8%	5.6%	4.1%	3.6%	3.3%	2.0%
1989	1	5.50%	8.6%	5.2%	3.8%	3.2%	3.2%	1.7%
1988	1	6.20%	8.7%	5.4%	4.0%	3.4%	3.2%	1.7%
1987	1	7.00%	9.7%	6.0%	4.5%	4.0%	3.5%	2.0%
1986	1	7.20%	10.7%	6.9%	5.0%	4.5%	4.1%	2.2%
Average		5.91%	9.22%	5.59%	4.27%	3.[illegible]4%	3.53%	2.14%
Weighted Average		5.55% (A)	8.86%	5.18%	4.03%	3.[illegible]8%	3.32%	2.14% (B)
Ratio							(B)/(A)	38.49%

	Age Bracket Lower Bound: 20	25	35	45	55
Estimated Unemployment Rate	3.41%	1.99%	1.55%	1.30%	1.28%

Tab 3

Thomas 33333
Decedent's Net Contribution to Household Earnings Before Taxes

Occupation: Chef
Age as of 9/11/01: 48.06

Year	Age	HH Size	Total Compensation 2001$	Fringe Benefits 2001$	Decendent's HH Consump %[1]	Pre-Tax Net Contribution to Household 2001$[2]	Unempl Adj. Factor	Adjusted Available Total 2001$	Past	Present Value Future	Cumulative Total
			a	b	c	d = a*(1-c) + b*(1-22.9%)	e	f = d * e	g	h	i
09/11/01											
2001	48	2	$18,240	$3,283	22.90%	$16,594	94.76%	$15,725	$15,725		$15,725
2002	49	2	59,483	10,707	22.90%	54,116	94.76%	51,281	0	50,776	66,501
2003	50	2	59,483	10,707	22.90%	54,116	94.76%	51,281		49,781	116,282
2004	51	2	59,483	10,707	22.90%	54,116	94.76%	51,281		48,803	165,085
2005	52	2	59,483	10,707	22.90%	54,116	94.76%	51,281		47,847	212,932
2006	53	2	59,483	10,707	22.90%	54,116	94.76%	51,281		46,909	259,841
2007	54	2	59,483	10,707	22.90%	54,116	94.76%	51,281		45,990	305,831
2008	55	2	59,483	10,707	22.90%	54,116	94.85%	51,329		45,129	350,960
2009	56	2	59,483	10,707	22.90%	54,116	94.85%	51,329		44,245	395,205
2010	57	2	59,483	10,707	22.90%	54,116	94.85%	51,329		43,378	438,583
2011	58	2	59,483	10,707	22.90%	54,116	94.85%	51,329		42,528	481,111
2012	59	2	59,483	10,707	22.90%	54,116	94.85%	51,329		41,692	522,803
2013	60	2	59,483	10,707	22.90%	54,116	94.85%	51,329		40,875	563,678
2014	61	2	59,483	10,707	22.90%	54,116	94.85%	51,329		40,074	603,752
2015	62	2	29,742	5,354	22.90%	27,059	94.85%	25,665		19,743	623,495
07/01/15											

1 Assumes fringe benefits not 100% consumed by decedent are consumed at rate of final projected household size (primarily after end of working life).

2 If single decedent, assumes 100% of retirement, savings and legally required fringe benefits are self-consumed.

Thomas 33333
Decedent's Projected Household Services

Decedent Life Expectancy:	01/01/31
Decedent Healthy Life Expectancy (reduction of 5 years on average):	01/01/26
Spouse's Life Expectancy:	09/01/40
End of Potential Claim for Household Services:	01/01/26

Year	Age	HH Size	HH Support in 2001$	Past	Present Value Future	Cumulative Total
09/11/01						
2001	48	2	$1,417	$1,417		$1,417
2002	49	2	4,620	0	4,575	5,992
2003	50	2	4,620		4,485	10,477
2004	51	2	4,620		4,397	14,874
2005	52	2	4,620		4,311	19,185
2006	53	2	4,620		4,226	23,411
2007	54	2	4,620		4,143	27,554
2008	55	2	4,620		4,062	31,616
2009	56	2	4,620		3,982	35,598
2010	57	2	4,620		3,904	39,502
2011	58	2	4,620		3,828	43,330
2012	59	2	4,620		3,753	47,083
2013	60	2	4,620		3,679	50,762
2014	61	2	4,620		3,607	54,369
2015	62	2	4,620		3,536	57,905
2016	63	2	4,620		3,467	61,372
2017	64	2	4,620		3,399	64,771
2018	65	2	4,620		3,332	68,103
2019	66	2	4,620		3,267	71,370
2020	67	2	4,620		3,203	74,573
2021	68	2	4,620		3,140	77,713
2022	69	2	4,620		3,079	80,792
2023	70	2	4,620		3,018	83,810
2024	71	2	4,620		2,959	86,769
2025	72	2	4,620		2,901	89,670
2026	73	2	4,620		2,844	92,514
01/01/26						

Thomas 33333
Underlying Facts and Assumptions

Personal Information

Decedent:	Thomas 33333
Date of Birth:	08/20/53
Date of Death:	09/11/01
Age at Date of Death:	48.06
Occupation:	Chef
Residence:	New Jersey

Demographic Information

	Decedent	Spouse	Child #1	Child #2	Child #3
Gender: Female = 1 Male = 2	2	1	NA	NA	NA
Race: African-American = 1 Caucasian = 2 All = 3	3	3	NA	NA	NA
Education: Less Than High School = 1 High School - Some College = 2 College Degree and Above = 3	2	2	NA	NA	NA

Spouse:

	Wife
Date of Birth:	05/21/59
Age at Valuation:	42.6
Occupation:	Unknown
Annual Earnings:	Unknown

Children:

Child:	1	2	3
Name:	NA	NA	NA
Date of Birth:	NA	NA	NA
Current Age at Valuation:	NA	NA	NA
18th Birthdate:	NA	NA	NA
22nd Birthdate:	NA	NA	NA
Occupation:	NA	NA	NA
Annual Earnings:	NA	NA	NA

Household size: 2001 2

End Household Size: 2

Thomas 33333
Underlying Facts and Assumptions

Decedent's Consuption as Percent of Income Before Taxes:

HH Size	Percent
1	64.28%
2	22.90%

Valuation Date: 01/01/02

Employment Cost Index:

	White Collar	Blue Collar
Jun-01	154.4	145.9
Jun-98	137.5	131.3

Occupation [White Collar=1, Blue Collar=2]: 2

Annual Earnings:

	2001	$59,483
	1998	$53,531
Effective tax rate:		12.34%

Maximum Annual Social Security Pension Benefit:

		Age 62	Age 65
	2001	$15,768	$18,456
	1998	$14,190	$16,609
Effective tax rate:		5.42%	5.42%

Pre-Tax Net Discount Rate: 2.00%
After-Tax Net Discount Rate: 1.00%

Employee Benefits as Percent of Payroll

	Mfg	Non-Mfg	Average	
Legally Required	8.5%	8.4%	8.45%	
Retirement and Savings	6.5%	9.3%	7.90%	
Life Insurance	0.4%	0.3%	0.35%	
Medical and Medically Related	8.3%	8.6%	8.45%	(assumed self-consumed)
Miscellaneous	0.7%	0.6%	0.65%	(assumed self-consumed)
Balance Not Self-Consumed	15.4%	18.0%	16.7%	

Industry [Manufacturing=1, Non-Manufacturing=2]: 2

Expected Working Life

	Age	Remaining Worklife	Worklife Expectancy	Date
Thomas 33333	48.1	13.8	61.9	07/01/15
	48	13.9		
	49	13.1		

Thomas 33333
Underlying Facts and Assumptions

Life Expectancy

Decendent:	Thomas 33333	Age	Years to Life Expectancy	Life Expectancy	Date
	Age at Death	48.1	29.3	77.4	01/01/31
		48	29.3		
		49	28.5		

Spouse:	Wife	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	42.6	38.6	81.2	09/01/40
		42	39.2		
		43	38.2		

Child #1	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #2	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #3	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Parent	Mother?	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age*	74.0	12.8	86.8	07/01/15
		74	12.8		
		75	12.2		

* assumed age 25 at decedent's date of birth

End of Potential Claim for Support: 07/01/15

Thomas 33333
Projected Total Compensation

Occupation: Chef

Year	Age on Birthdate	Assumed Experience	Annual Compensation 2001$
2001	48	28	$59,483
2002	49	29	59,483
2003	50	30	59,483
2004	51	31	59,483
2005	52	32	59,483
2006	53	33	59,483
2007	54	34	59,483
2008	55	35	59,483
2009	56	36	59,483
2010	57	37	59,483
2011	58	38	59,483
2012	59	39	59,483
2013	60	40	59,483
2014	61	41	59,483
2015	62	42	59,483
07/01/15			

Thomas 33333

Unemployment Rates

		US Civilian Labor Force							
Year	Weight	US Total	US Total 20-24	US Total 25-34	US Total 35-44	US Total 45-54	US Total 55-64	ood Service	
2000	6	4.20%	7.1%	3.7%	3.0%	2.5%	2.5%	6.8%	
1999	6	4.50%	7.5%	4.0%	3.0%	2.6%	2.7%	7.4%	
1998	6	4.90%	7.9%	4.3%	3.4%	2.8%	2.6%	.0%	
1997	6	5.40%	8.5%	4.7%	3.8%	3.0%	2.9%	.4%	
1996	6	5.60%	9.3%	5.2%	4.1%	3.3%	3.3%	.2%	
1995	3	6.10%	9.1%	5.4%	4.3%	3.3%	3.6%	9.4%	
1994	3	6.90%	9.7%	6.0%	4.6%	4.0%	4.1%	10.1%	
1993	3	7.50%	10.5%	6.9%	5.5%	4.8%	4.7%	9.4%	
1992	3	6.80%	11.4%	7.6%	5.8%	5.1%	5.1%	10.0%	
1991	3	5.60%	10.8%	6.9%	5.2%	4.5%	4.1%	9.7%	
1990	1	5.30%	8.8%	5.6%	4.1%	3.6%	3.3%	8.4%	
1989	1	5.50%	8.6%	5.2%	3.8%	3.2%	3.2%	8.4%	
1988	1	6.20%	8.7%	5.4%	4.0%	3.4%	3.2%	8.8%	
1987	1	7.00%	9.7%	6.0%	4.5%	4.0%	3.5%	9.7%	
1986	1	7.20%	10.7%	6.9%	5.0%	4.5%	4.1%	10.6%	
Average		5.91%	9.22%	5.59%	4.27%	3.64%	3.53%	8.95%	
Weighted Average		5.55% (A)	8.86%	5.18%	4.03%	3.38%	3.32%	8.61%	(B)
Ratio							(B)/(A)	155.14%	

	Age Bracket Lower Bound				
	20	25	35	45	55
Estimated Unemployment Rate	13.74%	8.03%	6.25%	5.24%	5.15%

Tab 4

Sean 44444
Decedent's Net Contribution to Household Earnings Before Taxes

Occupation: **Fire Fighter**
Age as of 9/11/01: **36.11**

Year	Age	HH Size	Total Compensation 2001$	Fringe Benefits 2001$	Decendent's HH Consump %[1]	Pre-Tax Net Contribution to Household 2001$[2]	Unempl Adj. Factor	Adjusted Available Total 2001$	Past	Present Value Future	Cumulative Total
			a	b	c	d = a*(1-c) + b*(1-27.92%)	e	f = d * e	g	h	i
09/11/01											
2001	36	5	$16,903	$3,043	16.63%	$16,285	98.45%	$16,033	$16,033		$16,033
2002	37	5	55,125	9,923	16.63%	53,110	98.45%	52,287	0	51,772	67,805
2003	38	5	55,125	9,923	16.63%	53,110	98.45%	52,287		50,758	118,563
2004	39	5	55,125	9,923	16.63%	53,110	98.45%	52,287		49,760	168,323
2005	40	5	55,125	9,923	16.63%	53,110	98.45%	52,287		48,785	217,108
2006	41	5	57,881	10,419	16.63%	55,766	98.45%	54,901		50,221	267,329
2007	42	5	57,881	10,419	16.63%	55,766	98.45%	54,901		49,237	316,566
2008	43	4	57,881	10,419	16.63%	55,766	98.45%	54,901		48,269	364,835
2009	44	4	57,881	10,419	16.63%	55,766	98.45%	54,901		47,324	412,15[illegible]
2010	45	3	57,881	10,419	20.61%	53,462	98.70%	52,767		44,593	456,75[illegible]
2011	46	3	60,775	10,940	20.61%	56,135	98.70%	55,405		45,805	502,657
2012	47	3	60,775	10,940	20.61%	56,135	98.70%	55,405		45,003	547,660
2013	48	3	60,775	10,940	20.61%	56,135	98.70%	55,405		44,121	591,781
2014	49	3	60,775	10,940	20.61%	56,135	98.70%	55,405		43,257	635,038
2015	50	2	60,775	10,940	27.92%	51,692	98.70%	51,020		39,053	674,091
2016	51	2	63,814	11,487	27.92%	54,277	98.70%	53,571		40,200	714,291
2017	52	2	63,814	11,487	27.92%	54,277	98.70%	53,571		39,412	753,703
2018	53	2	63,814	11,487	27.92%	54,277	98.70%	53,571		38,640	792,343
2019	54	2	63,814	11,487	27.92%	54,277	98.70%	53,571		37,883	830,226
2020	55	2	63,814	11,487	27.92%	54,277	98.72%	53,582		37,146	867,372
2021	56	2	67,005	12,061	27.92%	56,991	98.72%	56,261		36,239	905,611
2022	57	2	67,005	12,061	27.92%	56,991	98.72%	56,261		37,489	943,100
2023	58	2	67,005	12,061	27.92%	56,991	98.72%	56,261		36,755	979,855
2024	59	2	67,005	12,061	27.92%	56,991	98.72%	56,261		36,033	1,015,888
2025	60	2	22,335	4,020	27.92%	18,997	98.72%	18,754		11,854	1,027,742
05/01/25											

1 Assumes fringe benefits not 100% consumed by decedent are consumed at rate of final projected household size (primarily after end of working life).

2 If single decedent, assumes 100% of retirement, savings and legally required fringe benefits are self-consumed.

Sean 44444
Decedent's Projected Household Services

Decedent Life Expectancy: 10/01/41
Decedent Healthy Life Expectancy (reduction of 5 years on average): 10/01/36
Spouse's Life Expectancy: 05/01/46
End of Potential Claim for Household Services: 10/01/36

Year	Age	HH Size	HH Support in 2001$	Past	Present Value Future	Cumulative Total
09/11/01						
2001	36	5	$2,272	$2,272		$2,272
2002	37	5	7,408	0	7,335	9,607
2003	38	5	7,408		7,191	16,798
2004	39	5	7,408		7,050	23,848
2005	40	5	7,408		6,912	30,760
2006	41	5	7,408		6,776	37,536
2007	42	5	7,408		6,644	44,180
2008	43	4	6,751		5,936	50,116
2009	44	4	6,751		5,819	55,935
2010	45	3	6,246		5,278	61,213
2011	46	3	6,246		5,175	66,388
2012	47	3	6,246		5,073	71,461
2013	48	3	6,246		4,974	76,435
2014	49	3	6,246		4,876	81,311
2015	50	2	4,620		3,536	84,847
2016	51	2	4,620		3,467	88,314
2017	52	2	4,620		3,399	91,713
2018	53	2	4,620		3,332	95,045
2019	54	2	4,620		3,267	98,312
2020	55	2	4,620		3,203	101,515
2021	56	2	4,620		3,140	104,655
2022	57	2	4,620		3,079	107,734
2023	58	2	4,620		3,018	110,752
2024	59	2	4,620		2,959	113,711
2025	60	2	4,620		2,901	116,612
2026	61	2	4,620		2,844	119,456
2027	62	2	4,620		2,788	122,244
2028	63	2	4,620		2,734	124,978
2029	64	2	4,620		2,680	127,658
2030	65	2	4,620		2,627	130,285
2031	66	2	4,620		2,576	132,861
2032	67	2	4,620		2,525	135,386
2033	68	2	4,620		2,476	137,862
2034	69	2	4,620		2,427	140,289
2035	70	2	4,620		2,380	142,669
2036	71	2	3,465		1,754	144,423
10/01/36						

Sean 44444
Underlying Facts and Assumptions

Personal Information

Decedent:	Sean 44444
Date of Birth:	08/01/65
Date of Death:	09/11/01
Age at Date of Death:	36.11
Occupation:	Fire Fighter
Residence:	New York

Demographic Information

	Decedent	Spouse	Child #1	Child #2	Child #3
Gender: (Female = 1; Male = 2)	2	1	1	2	2
Race: (African-American = 1; Caucasian = 2; All = 3)	3	3	3	3	3
Education: (Less Than High School = 1; High School - Some College = 2; College Degree and Above = 3)	2	2	1	1	1

Spouse:	Wife
Date of Birth:	06/09/65
Age at Valuation:	36.6
Occupation:	Unknown
Annual Earnings:	Unknown

Children:

Child:	1	2	3
Name:	Jennifer	Colin	Thomas
Date of Birth:	4/12/1990	12/2/1992	9/29/1997
Current Age at Valuation:	11.7	9.1	4.3
18th Birthdate:	04/12/08	12/02/10	09/29/15
22nd Birthdate:	04/12/12	12/02/14	09/29/19
Occupation:	NA	NA	NA
Annual Earnings:	NA	NA	NA

Household size:	2001	5
	2008	4
	2010	3
	2015	2
End Household Size:		2

Sean 44444
Underlying Facts and Assumptions

Decedent's Consuption as Percent of Income Before Taxes:

HH Size	Percent
1	68.37%
2	27.92%
3	20.61%
4	16.63%

Valuation Date: 01/01/02

Employment Cost Index:

	White Collar	Blue Collar
Jun-01	154.4	145.9
Jun-98	137.5	131.3

Occupation [White Collar=1, Blue Collar=2]: 2

Annual Earnings:

2001	$55,125
1998	$49,609
Effective tax rate:	17.36%

Maximum Annual Social Security Pension Benefit:

	Age 62	Age 65
2001	$15,768	$18,456
1998	$14,190	$16,609
Effective tax rate:	7.64%	7.64%

Pre-Tax Net Discount Rate: 2.00%
After-Tax Net Discount Rate: 1.00%

Employee Benefits as Percent of Payroll

	Mfg	Non-Mfg	Average	
Legally Required	8.5%	8.4%	8.45%	
Retirement and Savings	6.5%	9.3%	7.90%	
Life Insurance	0.4%	0.3%	0.35%	
Medical and Medically Related	8.3%	8.6%	8.45%	(assumed self-consumed)
Miscellaneous	0.7%	0.6%	0.65%	(assumed self-consumed)
Balance Not Self-Consumed	15.4%	18.0%	16.7%	

Industry [Manufacturing=1, Non-Manufacturing=2]: 2

Expected Working Life

	Age	Remaining Worklife	Worklife Expectancy	Date
Sean 44444	36.1	23.6	59.7	05/01/25
	36	23.7		
	37	22.8		

Sean 44444

Underlying Facts and Assumptions

Life Expectancy

Decendent:	Sean 44444	Age	Years to Life Expectancy	Life Expectan /	Date
	Age at Death	36.1	40.0	76.1	10/01/41
		36	40.1		
		37	39.2		

Spouse:	Wife	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	36.6	44.3	80.9	05/01/46
		36	44.9		
		37	43.9		

Child #1	Jennifer	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	11.7	68.5	80.2	08/01/70
		11	69.2		
		12	68.2		

Child #2	Colin	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	9.1	65.5	74.6	08/01/67
		9	65.6		
		10	64.6		

Child #3	Thomas	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	4.3	70.2	74.5	04/01/72
		4	70.5		
		5	69.5		

Parent	Mother?	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age*	62.0	21.5	83.5	02/01/24
		62	21.5		
		63	20.8		

* assumed age 25 at decedent's date of birth

End of Potential Claim for Support: 05/01/25

Sean 44444
Projected Total Compensation

Occupation: Fire Fighter

Assumes 5% longevity pay increase every 5 years

Year	Age on Birthdate	Assumed Experience	Annual Compensation 2001$
2001	36	16	$55,125
2002	37	17	55,125
2003	38	18	55,125
2004	39	19	55,125
2005	40	20	55,125
2006	41	21	57,881
2007	42	22	57,881
2008	43	23	57,881
2009	44	24	57,881
2010	45	25	57,881
2011	46	26	60,775
2012	47	27	60,775
2013	48	28	60,775
2014	49	29	60,775
2015	50	30	60,775
2016	51	31	63,814
2017	52	32	63,814
2018	53	33	63,814
2019	54	34	63,814
2020	55	35	63,814
2021	56	36	67,005
2022	57	37	67,005
2023	58	38	67,005
2024	59	39	67,005
2025	60	40	67,005
05/01/25			

Sean 44444

Unemployment Rates

		US Civilian Labor Force						
Year	Weight	US Total	US Total 20-24	US Total 25-34	US Total 35-44	US Total 45-54	US Total 55-64	Professional Specialty Occupations
2000	6	4.20%	7.1%	3.7%	3.0%	2.5%	2.5%	1.7%
1999	6	4.50%	7.5%	4.0%	3.0%	2.6%	2.7%	1.9%
1998	6	4.90%	7.9%	4.3%	3.4%	2.8%	2.6%	1.9%
1997	6	5.40%	8.5%	4.7%	3.8%	3.0%	2.9%	2.1%
1996	6	5.60%	9.3%	5.2%	4.1%	3.3%	3.3%	2.3%
1995	3	6.10%	9.1%	5.4%	4.3%	3.3%	3.6%	2.5
1994	3	6.90%	9.7%	6.0%	4.6%	4.0%	4.1%	2.5
1993	3	7.50%	10.5%	6.9%	5.5%	4.8%	4.7%	2.6
1992	3	6.80%	11.4%	7.6%	5.8%	5.1%	5.1%	2.6%
1991	3	5.60%	10.8%	6.9%	5.2%	4.5%	4.1%	2.4%
1990	1	5.30%	8.8%	5.6%	4.1%	3.6%	3.3%	2.0%
1989	1	5.50%	8.6%	5.2%	3.8%	3.2%	3.2%	1.7%
1988	1	6.20%	8.7%	5.4%	4.0%	3.4%	3.2%	1.7%
1987	1	7.00%	9.7%	6.0%	4.5%	4.0%	3.5%	2.0%
1986	1	7.20%	10.7%	6.9%	5.0%	4.5%	4.1%	2.2%
Average		5.91%	9.22%	5.59%	4.27%	3.64%	3.53%	2.14%
Weighted Average		5.55% (A)	8.86%	5.18%	4.03%	3.38%	3.32%	2.14% (B)
Ratio							(B)/(A)	38.49%

	Age Bracket Lower Bound				
	20	25	35	45	55
Estimated Unemployment Rate	3.41%	1.99%	1.55%	1.30%	1.28%

Tab 5

Lucas 55555
Decedent's Net Contribution to Household Earnings Before Taxes

Occupation: **Army Major**
Age as of 9/11/01: **34.54**

Year	Age	HH Size	Total Compensation 2001$	Fringe Benefits 2001$	Decendent's HH Consump %[1]	Pre-Tax Net Contribution to Household 2001$[2]	Unempl Adj. Factor	Adjusted Available Total 2001$	Past	Present Value Future	Cumulative Total
.			a	b	c	d = a*(1-c) + b*(1-22.9%)	e	f = d * e	g	h	i
09/11/01											
2001	34	3	$20,839	$3,751	18.48%	$19,880	98.01%	$19,484	$19,484		$19,484
2002	35	3	67,961	12,233	18.48%	64,833	98.45%	63,828	0	63,200	82,684
2003	36	3	69,800	12,564	18.48%	66,588	98.45%	65,556		63,639	146,323
2004	37	3	69,800	12,564	18.48%	66,588	98.45%	65,556		62,388	208,711
2005	38	3	70,420	12,676	18.48%	67,179	98.45%	66,138		61,709	270,420
2006	39	3	70,420	12,676	18.48%	67,179	98.45%	66,138		60,500	330,920
2007	40	3	70,420	12,676	18.48%	67,179	98.45%	66,138		59,314	390,234
2008	41	3	70,420	12,676	18.48%	67,179	98.45%	66,138		58,149	448,383
2009	42	3	70,420	12,676	18.48%	67,179	98.45%	66,138		57,009	505,392
2010	43	3	70,420	12,676	18.48%	67,179	98.45%	66,138		55,892	561,284
2011	44	3	70,420	12,676	18.48%	67,179	98.45%	66,138		54,797	616,081
2012	45	3	70,420	12,676	18.48%	67,179	98.70%	66,306		53,857	669,938
2013	46	3	70,420	12,676	18.48%	67,179	98.70%	66,306		52,802	722,740
2014	47	2	70,420	12,676	22.90%	64,067	98.70%	63,234		49,369	772,109
2015	48	2	70,420	12,676	22.90%	64,067	98.70%	63,234		48,401	820,510
2016	49	2	70,420	12,676	22.90%	64,067	98.70%	63,234		47,450	867,960
2017	50	2	70,420	12,676	22.90%	64,067	98.70%	63,234		46,520	914,480
2018	51	2	70,420	12,676	22.90%	64,067	98.70%	63,234		45,609	960,089
2019	52	2	70,420	12,676	22.90%	64,067	98.70%	63,234		44,715	1,004,804
2020	53	2	70,420	12,676	22.90%	64,067	98.70%	63,234		43,837	1,048,641
2021	54	2	70,420	12,676	22.90%	64,067	98.70%	63,234		42,978	1,091,619
2022	55	2	70,420	12,676	22.90%	64,067	98.72%	63,247		42,144	1,133,763
2023	56	2	70,420	12,676	22.90%	64,067	98.72%	63,247		41,318	1,175,081
2024	57	2	70,420	12,676	22.90%	64,067	98.72%	63,247		40,507	1,215,588
2025	58	2	70,420	12,676	22.90%	64,067	98.72%	63,247		39,713	1,255,301
2026	59	2	52,815	9,507	22.90%	48,050	98.72%	47,435		29,274	1,284,575
10/01/26											

1 Assumes fringe benefits not 100% consumed by decedent are consumed at rate of final projected household size (primarily after end of working life).
2 If single decedent, assumes 100% of retirement, savings and legally required fringe benefits are self-consumed.

Lucas 55555
Decedent's Projected Household Services

Decedent Life Expectancy:	03/01/43
Decedent Healthy Life Expectancy (reduction of 5 years on average):	03/01/38
Spouse's Life Expectancy:	08/01/49
End of Potential Claim for Household Services:	03/01/38

Year	Age	HH Size	HH Support in 2001$	Past	Present Value Future	Cumulative Total
09/11/01						
2001	34	3	$1,915	$1,915		$1,915
2002	35	3	6,246	0	6,185	8,100
2003	36	3	6,246		6,063	14,163
2004	37	3	6,246		5,944	20,107
2005	38	3	6,246		5,828	25,935
2006	39	3	6,246		5,714	31,649
2007	40	3	6,246		5,602	37,251
2008	41	3	6,246		5,492	42,743
2009	42	3	6,246		5,384	48,127
2010	43	3	6,246		5,278	53,405
2011	44	3	6,246		5,175	58,580
2012	45	3	6,246		5,073	63,653
2013	46	3	6,246		4,974	68,627
2014	47	2	4,620		3,607	72,234
2015	48	2	4,620		3,536	75,770
2016	49	2	4,620		3,467	79,237
2017	50	2	4,620		3,399	82,636
2018	51	2	4,620		3,332	85,968
2019	52	2	4,620		3,267	89,235
2020	53	2	4,620		3,203	92,438
2021	54	2	4,620		3,140	95,578
2022	55	2	4,620		3,079	98,657
2023	56	2	4,620		3,018	101,675
2024	57	2	4,620		2,959	104,634
2025	58	2	4,620		2,901	107,535
2026	59	2	4,620		2,844	110,379
2027	60	2	4,620		2,788	113,167
2028	61	2	4,620		2,734	115,901
2029	62	2	4,620		2,680	118,581
2030	63	2	4,620		2,627	121,208
2031	64	2	4,620		2,576	123,784
2032	65	2	4,620		2,525	126,309
2033	66	2	4,620		2,476	128,785
2034	67	2	4,620		2,427	131,212
2035	68	2	4,620		2,380	133,592
2036	69	2	4,620		2,333	135,925
2037	70	2	4,620		2,287	138,212
2038	71	2	770		377	138,589
03/01/38						

Lucas 55555
Underlying Facts and Assumptions

Personal Information

Decedent:	Lucas 55555
Date of Birth:	02/25/67
Date of Death:	09/11/01
Age at Date of Death:	34.54
Occupation:	Army Major
Residence:	Virginia

Demographic Information

	Decedent	Spouse	Child #1	Child #2	Child #3
Gender: Female = 1 Male = 2	2	1	2	NA	NA
Race: African-American = 1 Caucasian = 2 All = 3	3	3	3	NA	N.
Education: Less Than High School = 1 High School - Some College = 2 College Degree and Above = 3	2	2	1	NA	NA

Spouse:

	Wife
Date of Birth:	10/05/68
Age at Valuation:	33.2
Occupation:	Unknown
Annual Earnings:	Unknown

Children:

Child:	1	2	3
Name:	Pat	NA	NA
Date of Birth:	2/17/1996	NA	NA
Current Age at Valuation:	5.9	NA	NA
18th Birthdate:	02/17/14	NA	NA
22nd Birthdate:	02/17/18	NA	NA
Occupation:	NA	NA	NA
Annual Earnings:	NA	NA	NA

Household size:

2001	3
2014	2

End Household Size: 2

Lucas 55555

Underlying Facts and Assumptions

Decedent's Consuption as Percent of Income Before Taxes:

HH Size	Percent
1	64.28%
2	22.90%
3	18.48%

Valuation Date: 01/01/02

Employment Cost Index:

	White Collar	Blue Collar
Jun-01	154.4	145.9
Jun-98	137.5	131.3

Occupation [White Collar=1, Blue Collar=2]: 2

Annual Earnings:

2001	$67,961
1998	$61,160

Effective tax rate: 14.81%

Maximum Annual Social Security Pension Benefit:

	Age 62	Age 65
2001	$15,768	$18,456
1998	$14,190	$16,609
Effective tax rate:	6.08%	6.08%

Pre-Tax Net Discount Rate: 2.00%

After-Tax Net Discount Rate: 1.00%

Employee Benefits as Percent of Payroll

	Mfg	Non-Mfg	Average	
Legally Required	8.5%	8.4%	8.45%	
Retirement and Savings	6.5%	9.3%	7.90%	
Life Insurance	0.4%	0.3%	0.35%	
Medical and Medically Related	8.3%	8.6%	8.45%	(assumed self-consumed)
Miscellaneous	0.7%	0.6%	0.65%	(assumed self-consumed)
Balance Not Self-Consumed	15.4%	18.0%	16.7%	

Industry [Manufacturing=1, Non-Manufacturing=2]: 2

<u>Expected Working Life</u>

	Age	Remaining Worklife	Worklife Expectancy	Date
Lucas 55555	34.5	25.0	59.5	10/01/26
	34	25.4		
	35	24.6		

Life Expectancy

Decendent: Lucas 55555

	Age	Years to Life Expectancy	Life Expectancy	Date
Age at Death	34.5	41.4	75.9	03/01/43
	34	41.9		
	35	41.0		

Spouse: Wife

	Age	Years to Life Expectancy	Life Expectancy	Date
Current Age	33.2	47.5	80.7	08/01/49
	33	47.7		
	34	46.8		

Child #1 Pat

	Age	Years to Life Expectancy	Life Expectancy	Date
Current Age	5.9	68.6	74.5	09/01/70
	5	69.5		
	6	68.5		

Child #2 NA

	Age	Years to Life Expectancy	Life Expectancy	Date
Current Age	NA	NA	NA	NA

Child #3 NA

	Age	Years to Life Expectancy	Life Expectancy	Date
Current Age	NA	NA	NA	NA

Parent Mother?

	Age	Years to Life Expectancy	Life Expectancy	Date
Current Age*	60.0	23.2	83.2	06/01/25
	60	23.2		
	61	22.3		

* assumed age 25 at decedent's date of birth

End of Potential Claim for Support: 10/01/26

Lucas 55555
Projected Total Compensation

Occupation:

Army Major
Includes BAH-II allowance of $10,580 per year in 2001$

Year	Age on Birthdate	Assumed Experience	Annual Compensation 2001$
2001	34	14	$67,961
2002	35	15	67,961
2003	36	16	69,800
2004	37	17	69,800
2005	38	18	70,420
2006	39	19	70,420
2007	40	20	70,420
2008	41	21	70,420
2009	42	22	70,420
2010	43	23	70,420
2011	44	24	70,420
2012	45	25	70,420
2013	46	26	70,420
2014	47	27	70,420
2015	48	28	70,420
2016	49	29	70,420
2017	50	30	70,420
2018	51	31	70,420
2019	52	32	70,420
2020	53	33	70,420
2021	54	34	70,420
2022	55	35	70,420
2023	56	36	70,420
2024	57	37	70,420
2025	58	38	70,420
2026	59	39	70,420
10/01/26			

Lucas 55555

Unemployment Rates

		US Civilian Labor Force						
Year	Weight	US Total	US Total 20-24	US Total 25-34	US Total 35-44	US Total 45-54	US Total 55-64	Professional Specialty Occupations
2000	6	4.20%	7.1%	3.7%	3.0%	2.5%	2.5%	1.7%
1999	6	4.50%	7.5%	4.0%	3.0%	2.6%	2.7%	1.9%
1998	6	4.90%	7.9%	4.3%	3.4%	2.8%	2.6%	1.9%
1997	6	5.40%	8.5%	4.7%	3.8%	3.0%	2.9%	2.1%
1996	6	5.60%	9.3%	5.2%	4.1%	3.3%	3.3%	2.3%
1995	3	6.10%	9.1%	5.4%	4.3%	3.3%	3.6%	2.5%
1994	3	6.90%	9.7%	6.0%	4.6%	4.0%	4.1%	2.5%
1993	3	7.50%	10.5%	6.9%	5.5%	4.8%	4.7%	2.6%
1992	3	6.80%	11.4%	7.6%	5.8%	5.1%	5.1%	2.6%
1991	3	5.60%	10.8%	6.9%	5.2%	4.5%	4.1%	2.4%
1990	1	5.30%	8.8%	5.6%	4.1%	3.6%	3.3%	2.0%
1989	1	5.50%	8.6%	5.2%	3.8%	3.2%	3.2%	1.7%
1988	1	6.20%	8.7%	5.4%	4.0%	3.4%	3.2%	1.7%
1987	1	7.00%	9.7%	6.0%	4.5%	4.0%	3.5%	2.0%
1986	1	7.20%	10.7%	6.9%	5.0%	4.5%	4.1%	2.2%
Average		5.91%	9.22%	5.59%	4.27%	3.64%	3.53%	2.14%
Weighted Average		5.55% (A)	8.86%	5.18%	4.03%	3.38%	3.32%	2.14% (B)
Ratio							(B)/(A)	38.49%

	Age Bracket Lower Bound				
	20	25	35	45	55
Estimated Unemployment Rate	3.41%	1.99%	1.55%	1.30%	1.28%

Tab 6

Chris 66666
Decedent's Net Contribution to Household Earnings Before Taxes

Occupation: **Flight Attendant**
Age as of 9/11/01: **23.16**

Year	Age	HH Size	Total Compensation 2001$	Fringe Benefits 2001$	Decendent's HH Consump %[1]	Pre-Tax Net Contribution to Household 2001$[2]	Unempl Adj. Factor	Adjusted Available Total 2001$	Projected Parental Support 2001$	Past	Present Value Future	Cumulative Total
			a	b	c	d = a*(1-c) + b*(1-75.78%)	e	f = d * e	g	h	i	j
09/11/01												
2001	23	1	$11.462	$2.063	75.78%	$2,776	94.24%	$2,616	$920	$920		$920
2002	24	1	40,515	7,293	75.78%	9,813	94.24%	9,248	3,000	0	2,970	3,890
2003	25	1	43,451	7,821	75.78%	10,524	96.63%	10,169	3,000		2,912	6,802
2004	26	1	46,108	8,299	75.78%	11,167	96.63%	10,791	3.000		2,855	9,657
2005	27	1	48,414	8,715	75.78%	11,728	96.63%	11,331	3,000		2,799	12,456
2006	28	1	50,300	9,054	75.78%	12,183	96.63%	11,772	3,000		2,744	15,200
2007	29	1	51,711	9.308	75.78%	12,524	96.63%	12,102	3,000		2,690	17,890
2008	30	1	52,602	9,468	75.78%	12,740	96.63%	12,311	3,000		2,638	20,528
2009	31	1	52,602	9,468	75.78%	12,740	96.63%	12,311	3.000		2,586	23,114
2010	32	1	52,602	9,468	75.78%	12,740	96.63%	12,311	3,000		2.536	25,649
2011	33	1	52.602	9.468	75.78%	12,740	96.63%	12,311	3,000		2,486	28,135
2012	34	1	52,602	9,468	75.78%	12,740	96.63%	12,311	3,000		2,437	30,572
2013	35	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,389	32,961
2014	36	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,342	35,303
2015	37	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,296	37,599
2016	38	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,251	39,850
2017	39	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,207	42,057
2018	40	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,164	44,221
2019	41	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,121	46,342
2020	42	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,080	48,422
2021	43	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		2,039	50,461
2022	44	1	52,602	9,468	75.78%	12,740	97.38%	12,406	3,000		1,999	52,460
2023	45	1	52,602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,960	54,420
2024	46	1	52,602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,921	56,341
2025	47	1	52,602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,884	58,225
2026	48	1	52,602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,847	60,072
2027	49	1	52,602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,811	61,883
2028	50	1	52,602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,775	63,658
2029	51	1	52.602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,740	65,398
2030	52	1	52,602	9,468	75.78%	12,740	97.80%	12,460	3,000		1,706	67,104
2031	53	1	43,835	7,890	75.78%	10,617	97.80%	10,383	2,500		1,396	68,500
11/01/31												

1 Assumes fringe benefits not 100% consumed by decedent are consumed at rate of final projected household [illegible] (primarily [illegible]ter end of working life).
2 If single decedent, assumes 100% of retirement, savings and legally required fringe benefits are self-consumed

Chris 66666
Underlying Facts and Assumptions

Personal Information

Decedent:	Chris 66666
Date of Birth:	07/07/78
Date of Death:	09/11/01
Age at Date of Death:	23.18
Occupation:	Flight Attendant
Residence:	Florida

Demographic Information

	Decedent	Spouse	Child #1	Child #2	Child #3
Gender: (Female = 1; Male = 2)	1	NA	NA	NA	NA
Race: (African-American = 1; Caucasian = 2; All = 3)	3	NA	NA	NA	NA
Education: (Less Than High School = 1; High School - Some College = 2; College Degree and Above = 3)	2	NA	NA	NA	NA

Spouse:

Date of Birth:	NA
Age at Valuation:	NA
Occupation:	NA
Annual Earnings:	Unknown
	Unknown

Children:

Child:	1	2	3
Name:	NA	NA	NA
Date of Birth:	NA	NA	NA
Current Age at Valuation:	NA	NA	NA
18th Birthdate:	NA	NA	NA
22nd Birthdate:	NA	NA	NA
Occupation:	NA	NA	NA
Annual Earnings:	NA	NA	NA

Household size: 2001 1

End Household Size: 1

Chris 66666

Underlying Facts and Assumptions

Decedent's Consuption as Percent of Income Before Taxes:

HH Size	Percent
1	75.78%

Valuation Date: 01/01/02

Employment Cost Index:

	White Collar	Blue Collar
Jun-01	154.4	145.9
Jun-98	137.5	131.3

Occupation [White Collar=1, Blue Collar=2]: 1

Annual Earnings:

2001	$37,381
1998	$33,289
Effective tax rate:	8.64%

Maximum Annual Social Security Pension Benefit:

	Age 62	Age 65
2001	$15,768	$18,456
1998	$14,042	$16,436
Effective tax rate:	4.87%	4.87%

Pre-Tax Net Discount Rate: 2.00%

After-Tax Net Discount Rate: 1.00%

Employee Benefits as Percent of Payroll

	Mfg	Non-Mfg	Average	
Legally Required	8.5%	8.4%	8.45%	(assumed self-consumed)
Retirement and Savings	6.5%	9.3%	7.90%	(assumed self-consumed)
Life Insurance	0.4%	0.3%	0.35%	(assumed self-consumed)
Medical and Medically Related	8.3%	8.6%	8.45%	(assumed self-consumed)
Miscellaneous	0.7%	0.6%	0.65%	(assumed self-consumed)
Balance Not Self-Consumed	15.4%	18.0%	16.7%	

Industry [Manufacturing=1, Non-Manufacturing=2]: 2

Expected Working Life

	Age	Remaining Worklife	Worklife Expectancy	Date
Chris 66666	23.2	30.1	53.3	11/01/31
	23	30.3		
	24	29.5		

Chris 66666
Underlying Facts and Assumptions

Life Expectancy

Decendent:	Chris 66666	Age	Years to Life Expectancy	Life Expectancy	Date
	Age at Death	23.2	57.2	80.4	12/01/58
		23	57.4		
		24	56.4		

Spouse:	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #1	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #2	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Child #3	NA	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age	NA	NA	NA	NA

Parent	Mother?	Age	Years to Life Expectancy	Life Expectancy	Date
	Current Age*	49.0	32.7	81.7	04/01/35
		49	32.7		
		50	31.8		

* assumed age 25 at decedent's date of birth

Estimated Potential Annual Support:	$3,000
End of Potential Claim for Support:	11/01/31

Chris 66666
Projected Total Compensation

Occupation: Flight Attendant

Year	Age on Birthdate	Assumed Experience	Annual Compensation 2001$
2001	23	3	$37,381
2002	24	4	40,515
2003	25	5	43,451
2004	26	6	46,108
2005	27	7	48,414
2006	28	8	50,300
2007	29	9	51,711
2008	30	10	52,602
2009	31	11	52,602
2010	32	12	52,602
2011	33	13	52,602
2012	34	14	52,602
2013	35	15	52,602
2014	36	16	52,602
2015	37	17	52,602
2016	38	18	52,602
2017	39	19	52,602
2018	40	20	52,602
2019	41	21	52,602
2020	42	22	52,602
2021	43	23	52,602
2022	44	24	52,602
2023	45	25	52,602
2024	46	26	52,602
2025	47	27	52,602
2026	48	28	52,602
2027	49	29	52,602
2028	50	30	52,602
2029	51	31	52,602
2030	52	32	52,602
2031	53	33	52,602
11/01/31			

Chris 66666
Unemployment Rates

		US Civilian Labor Force							
Year	Weight	US Total	US Total 20-24	US Total 25-34	US Total 35-44	US Total 45-54	US Total 55-64	Transportation Communication & other Public Utilities	
2000	6	4.20%	7.1%	3.7%	3.0%	2.5%	2.5%	2.8%	
1999	6	4.50%	7.5%	4.0%	3.0%	2.6%	2.7%	2.8%	
1998	6	4.90%	7.9%	4.3%	3.4%	2.8%	2.6%	3.0%	
1997	6	5.40%	8.5%	4.7%	3.8%	3.0%	2.9%	3.3%	
1996	6	5.60%	9.3%	5.2%	4.1%	3.3%	3.3%	3.7%	
1995	3	6.10%	9.1%	5.4%	4.3%	3.3%	3.6%	4.0%	
1994	3	6.90%	9.7%	6.0%	4.6%	4.0%	4.1%	4.3%	
1993	3	7.50%	10.5%	6.9%	5.5%	4.8%	4.7%	4.5%	
1992	3	6.80%	11.4%	7.6%	5.8%	5.1%	5.1%	5.1%	
1991	3	5.60%	10.8%	6.9%	5.2%	4.5%	4.1%	4.7%	
1990	1	5.30%	8.8%	5.6%	4.1%	3.6%	3.3%	3.5%	
1989	1	5.50%	8.6%	5.2%	3.8%	3.2%	3.2%	3.5%	
1988	1	6.20%	8.7%	5.4%	4.0%	3.4%	3.2%	3.5%	
1987	1	7.00%	9.7%	6.0%	4.5%	4.0%	3.5%	4.1%	
1986	1	7.20%	10.7%	6.9%	5.0%	4.5%	4.1%	4.6%	
Average		5.91%	9.22%	5.59%	4.27%	3.64%	3.53%	3.83%	
Weighted Average		5.55% (A)	8.86%	5.18%	4.03%	3.38%	3.32%	3.61%	(B)
Ratio							(B)/(A)		65.08%

	Age Bracket Lower Bound				
	20	25	35	45	55
Estimated Unemployment Rate	5.76%	3.37%	2.62%	2.20%	2.16%

Draft Regulatory Sections on Economic and Non-Economic Losses

Sec. __. Calculation of Economic Losses. The Special Master shall apply the following principles in calculating the economic losses that the claimant has suffered or will suffer as a result of the terrorist-related aircraft crashes of September 11, 2001.

(a) Victims who died as a result of the crash. In the case of a victim who died as a result of the crash, the economic losses equal the sum of paragraphs (1) through (7) below. The Special Master shall calculate the losses as follows:

(1) Loss of earnings and other benefits related to employment. These losses equal the sum of the amounts calculated under paragraphs (A) and (B) below, reduced by the amount calculated under paragraph (C):

(A) Lost (taxable) earnings. The Special Master shall seek to make a reasonable estimate, on a case-by-case basis, of the taxable earnings that the victim would have received during his or her future employment, based on documentation and other information submitted by the personal representative. Because attempting to calculate such future income is highly speculative, the Special Master shall apply the following principles and assumptions:

(i) **Baseline annual earnings for calculation.** Gross annual pretax earnings shall consist of the victim's most recent reported annual wages or salary plus any variable earnings paid over the year preceding September 11, 2001. Variable income may consist of bonuses, incentive pay, business income, (and etc.), but not income on fixed assets, stock awards, etc. Because attempting to calculate a particular person's future earnings would be highly speculative (because it depends on what would have been the person's future employment decisions, general economic conditions. etc.), the maximum annual earnings that the Special Master shall use in making this calculation shall be $360,000. **Retirement Age.** Because attempting to predict when someone would have retired is highly speculative, the Special Master shall use the following assumptions. Up to $145,000 of each victim's baseline earnings will be treated as annual income up to the age of 65. For any earnings above $145,000, the Special Master will assume a retirement age of 62. However, if these assumptions would result in less than 5 years of remaining employment, the Special Master shall assume 5 years of future employment.

(ii) **Estimate of lost future earnings.** Because estimating a person's future earnings is highly speculative, the Special

Master in making this estimate shall apply different Lifetime Earning Factors for baseline annual earnings up to $145,000 and for any remaining earnings over $145,000. Baseline earnings up to $145,000 will be multiplied by age-appropriate factor on column 1 of Table X. Any remaining earnings above $145,000 shall be multiplied by the age-appropriate factor from column 2. These tables also convert the future income streams into a present value. The sum of columns 1 and 2 equals the present value of lost future earnings.

(iii) **Reduction for taxes that the victim would have paid.** If the victim had not died, he or she would have paid Federal, State and local income taxes that, because of the death, will not be incurred. **[HAS SOMEONE CONFIRMED WITH THE IRS THAT NONE OF THE SPECIAL MASTER AWARD WILL BE TAXABLE INCOME?]** The Special Master shall therefore reduce the losses determined in paragraph (a) by a reasonable estimate of what those taxes would have been. In making this calculation, the Special Master shall apply the tax laws that govern income earned on September 11, 2001. In applying these tax laws, the Special Master shall make reasonable general assumptions about effective tax rates (taking into account allowable deductions, etc.) for categories of victims (e.g., by income level, family size). The Special Master shall develop tax tables for calculating these reductions, and shall make these tax tables publicly available, including through the Special Master's website.

(B) Loss of other (nontaxable) benefits related to employment. The Special Master shall seek to make a reasonable estimate, on a case-by-case basis, of the other (nontaxable) benefits that the victim would have received during his or her future employment (e.g., employer pension and health care contributions), based on documentation and other information submitted by the personal representative. The Special Master shall determine an annual baseline benefit level, based on the benefits that the victim received over the year preceding September 11, 2001. To determine the present value of the future stream of lost benefits, the Special Master shall then multiply the annual baseline benefit level by the applicable Lifetime Earning Factor in paragraph (A)(iii) above. The Special Master shall use the Factor in column 2 if that column is used in estimating lost future earnings, but otherwise the Special Master shall use the Factor in column 1. **[Expressed a little differently than I proposed, but it should work out the same mathmatically.]**

(C) Reduction for expenses that the victim would have incurred. If the victim had not died, he or she would have had personal expenses that, because of the death, will not be incurred. The Special Master shall therefore reduce the sum of the losses determined in paragraphs (a) and (b) by a reasonable estimate of what those personal expenses would have been, either in dollar or percentage terms. Because attempting to calculate such future expenses on a purely case-by-case basis would be extremely difficult and highly speculative, the Special Master shall use the following table of personal consumption percentages for making these estimates:

[INSERT PERSONAL CONSUMPTION TABLE HERE]

(2) **Medical expense loss.** This loss equals the out-of-pocket medical expenses that were incurred as a result of the physical harm suffered by the victim (i.e., those medical expenses that were not paid for or reimbursed through health insurance). This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the personal representative. [**We have not factored this into our model because we expect relatively small losses for those killed]**

(3) **Replacement services loss.** This shall be determined by the amounts shown on Table Y [**PWC prepared an excellent table showing the dollar value of household services for 2001]** based on the victims' household size, gender, and number of hours worked outside the home. Such compensation will cover only one year, but may be adjusted on a case-by-case basis, using documentation and other information submitted by the personal representative. **[We have not factored this into our model]**

(4) **Loss due to death.** This loss equals **[HOW IS THIS LOSS DEFINED GENERALLY?]**. This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the personal representative. [**We have not factored this into our model]**

(5) **Burial costs.** This loss equals the out-of-pocket burial costs that were incurred. This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the personal representative.

(6) **Loss of business or employment opportunities.** Such losses shall be addressed through the procedure outlined in (1). **[I don't think there is a conceptual difference between this category and the loss of earnings category. I suspect this was put in to make sure that the self-employed, unemployed, and other non-salary positions were covered. The variable income category should cover self-employed, and a**

three-year average can be used for the unemployed.] ~~This loss equals the business or employment opportunities that have been lost as a result of the victim's death. This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the personal representative. The Special Master shall compensate only in the case of business and employment opportunities that were reasonably certain to be realized, and shall not compensate for speculative opportunities. In the case of lost opportunities that are determined to be compensable, the Special Master shall apply the same general principles for calculating the net loss as apply under paragraph (1) for the calculation of lost earnings.~~

(7) **Any other resulting pecuniary loss.** The Special Master may include in the losses any other pecuniary loss suffered as a result of the physical harm suffered by the victim. This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the personal representative.

(b) Victims who suffered physical harm as a result of the crash. In the case of a victim who suffered physical harm as a result of the crash (but did not die), the economic losses equal the <u>sum</u> of paragraphs (1) through (5) below. The Special Master shall calculate the losses as follows:

(1) **Loss of earnings or other benefits related to employment.** This loss shall be calculated on a case-by-case basis, using documentation or other information submitted by the victim. The Special Master shall seek to determine the extent to which the victim's injuries will decrease his or her earning capacity. The Special Master shall apply, in a manner appropriate to the victim's decreased earning capacity, the formulas for calculating loss that are set forth above in subsection (a)(1) and (a)(2).

(2) **Medical expense loss.** This loss equals the out-of-pocket medical expenses that were incurred as a result of the physical harm suffered by the victim (i.e., those medical expenses that were not paid for or reimbursed through health insurance). This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the victim.

(3) **Replacement services loss.** This loss equals **[HOW IS THIS LOSS DEFINED GENERALLY?]**. This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the victim.

~~(4)~~ **Loss of business or employment opportunities. .** Such losses shall be addressed through the procedure outlined in (1). ~~This loss equals the business or employment opportunities that have been lost as a result of the physical harm suffered by the victim. This loss shall be calculated on a~~

~~case-by-case basis, using documentation and other information submitted by the victim. The Special Master shall compensate only in the case of business and employment opportunities that were reasonably certain to be realized, and shall not compensate for speculative opportunities. In the case of lost opportunities that are determined to be compensable, the Special Master shall apply the same general principles for calculating the net loss as apply under paragraph (1) for the calculation of lost earnings and other employment benefits.~~

(5) Any other resulting pecuniary loss. The Special Master may include in the losses any other pecuniary loss suffered as a result of the physical harm suffered by the victim. This loss shall be calculated on a case-by-case basis, using documentation and other information submitted by the victim.

Sec. __. Calculation of Non-Economic Losses. The Special Master shall apply the following principles in calculating the non-economic losses that the claimant has suffered or will suffer as a result of the terrorist-related aircraft crashes of September 11, 2001.

(a) Victims who died as a result of the crash. In the case of victims who died as a result of the crash, the non-economic losses are the sum of the amounts determined under paragraphs (1) and (2) below.

(1) Statutorily-listed non-economic losses. The amount for the non-economic losses that are specifically listed in Section 402(7) of the Act is the sum of the amounts determined under subparagraphs (A) and (B) below. The Special Master shall calculate the losses as follows:

(A) General non-economic losses that are not dependent on the victim's family status (such as the victim's pain and emotional pain and suffering, and mental anguish, suffered as a result of the crash). These losses equal $100,000. **[May want to manage expectations here. Fineburg may let claimants vent about how much they think the decedents suffered, but he is not inclined to adjust awards on this basis.]**

(B) Non-economic losses that are dependent on the victim's family status (such as loss of society and companionship and loss of consortium).

(i) Adult victims who are survived by a spouse and/or a child. These losses equal $50,000 times the number of immediate family members (i.e., surviving spouse and/or children).

(ii) **Adult victims who are not survived by a spouse and/or a child.** In the case of other adult victims who are survived only by a parent, grandparent, grandchild, or sibling, these losses equal $50,000.

(iii) **Children victims.** In the case of minor victims who are survived by a parent, sibling, or grandparent, these losses equal $75,00 **[DID ANY CHILDREN DIE?, YES. I was assuming it would be $100,000, just like adults. It's my understanding that non-economic loss awards for the deaths of children are usually at least as much as those for adults.]**

(iv) **Exceptional circumstances.** The Special Master may, in exceptional circumstances, determine that the losses suffered in a particular case exceed the amount calculated under subparagraph (i), (ii) or (iii). In such a case, the Special Master may include an additional amount, not to exceed $25,000, for the losses.

(2) **Other types of non-economic losses.** The Special Master may, in exceptional circumstances, determine that non-economic losses were suffered of a kind or nature that is materially different from the types of losses specifically listed in Section 402(7) of the Act. Such additional losses may not exceed $10,000 for of any particular victim.

(b) **Victims who suffered physical harm (but did not die) as a result of the crash.** In the case of victims who suffered physical harm (but did not die) as a result of the crash, the non-economic losses are the <u>sum</u> of the amounts determined under paragraphs (1) and (2) below.

(1) **Statutorily-listed non-economic losses.** The amount for the non-economic losses that are specifically listed in Section 402(7) of the Act are calculated as follows:

(A) **Victims with serious, permanent injuries.** In the case of victims who suffered serious, permanent injury, the losses specifically listed in Section 402(7) of the Act shall be calculated on a case-by-case basis, using documentation and other information submitted by the victim. Examples of such injuries are severe burns, loss of a limb, loss of vision, hearing or speech, or other permanent disability

(B) **Victims with less serious or temporary injuries.** In the case of victims who suffered less serious or temporary injuries, the losses specifically listed in Section 402(7) of the Act shall be calculated on a case-by-case basis, using documentation and other information submitted by the victim. Such losses may not exceed $10,000 in aggregate for any particular victim unless the Special determines that exceptional circumstances exist, in which case such losses may be up to $25,000.

(2) Other types of non-economic losses. The Special Master may, in exceptional circumstances, determine that non-economic losses were suffered of a kind or nature that is materially different from the types of losses specifically listed in Section 402(7) of the Act. Such additional losses may not exceed $10,000 for any particular victim.