

Cost/Benefit Analysis for Child Support Enforcement Systems (CSES)

Companion Guide 3: Cost/Benefit Analysis Illustrated for Child Support Enforcement Systems revised August 2004

a presentation of the Office of Child Support Enforcement



Cost-Benefit Analysis In The APD Process

- PAPD Feasibility Study a means to compare alternatives in order to select one
- IAPD A plan and process to measure costs/benefits and calculate breakeven
- APDU Measures projected and actual costs and benefits each year, explaining variances from original plan, and calculates breakeven



After PRWORA Certification

With a New or Replacement System

 A new system transfer always requires an IAPD that includes a Feasibility Study, Alternatives Analysis and a Cost-Benefits Analysis (CBA).

CSES Enhancement

 Can be treated as a continuation of the existing system and thus of the existing APD, with update of existing APD and CBA, or State may opt to open a new APD, and thus a new CBA



Cost-Benefit Analysis: Cost Elements

Recurring

 All costs related to system operations and maintenance (<u>O&M</u>): lease and maintenance of site, facility, equipment and software, travel, training, supplies, security, salary and benefits, support services

Non-Recurring

 All costs related to <u>System Development</u>: design, development, testing, conversion, studies, procurement, implementation, new facilities and equipment



Cost-Benefit Analysis: Benefit Elements

Quantitative

- ✓ Increased Revenue i.e., collections (expected to be sufficient for CSE systems to breakeven)
- ✓ Reduced Costs

Qualitative

- ✓ Customer/Client Satisfaction
- ✓ Improved Morale
- ✓ Avoiding Technology Obsolescence, Etc.



Cost-Benefit Analysis: Cost-Benefit Monitoring

- Actual costs and benefits must be monitored and reported-on at least yearly
- ✓ Costs and Benefits must be measured against the baseline used in the IAPD
- Variances over 10% should be explained by including any supporting documentation

U.S. Department of Health & Human Services Administration for Children & Families

Cost-Benefit Analysis: The Breakeven Point

- Occurs when cumulative benefits from system exceed cumulative costs over same period
 Reported in Annual APDU (AAPDU)
- ✓ Verified by OCSE

✓ Further APDU's are not required when:

- CSES is federally, unconditionally certified,
- All outstanding, significant CSES development is complete, and
- OCSE has verified breakeven data in AAPDU

U.S. Department of Health & Human Services Administration for Children & Families

Cost-Benefit Analysis: Two Benefit Models

The Functional Model

- Provides detailed measurements specific to task-level effort
- Provides insight into specifically where system revenues and cost savings are derived

The Revenue Stream Model (RSM)

- Provides summary view of project progress toward breakeven
- ✓ Uses summary data required for OCSE Forms; relatively easy to develop, measure, and verify



Cost/Benefit Analysis for Child Support Enforcement Systems (CSES)

The Revenue Stream Model The New Version 4

U.S. Department of Health & Human Services Administration for Children & Families

Revenue Stream Model: Functional Changes

- Added Data Validation
- ✓ Allows Printing of Multiple Years
- ✓ Allows Up to 15 Years of Data
- Recovers Original Projections
- ✓ No Change to Data Needed
- ✓ No Change in Basic Functionality
- ✓ No Change in Basic Operations
- ✓ Similar Look and Feel



Revenue Stream Model: Screen Changes

Main Menu

- ✓ All Years Visible on Menu
- ✓ Print 1 to 15 Separate Benefit Years
- ✓ Print Multiple Copies

Baseline Data Input - New Groupings

- ✓ Project Data
- ✓ Base Year Data
- ✓ Baseline Growth Rates



Revenue Stream Model: Screen Changes

Benefit Years

- ✓ All Baseline Data Shows on Screen
- 'Projected' Changes to 'Actual' Automatically
- Restores Original Projections
- Can Now Print from the Input Menu

Chart - Includes New Data

- ✓ Project Data
- ✓ Growth Rates
- Last Year of Data Entered
- ✓ Offers Breakeven Statistics



 \checkmark

 \checkmark

Cost-Benefit Analysis: Revenue Stream Model

The RSM Uses Summary Data

- Annual caseload and collections as identified in APD and OCSE Forms 157 and 34A
- Net Administrative costs, ADP O&M costs as identified in APD and OCSE Form 396A
- Total system development/enhancement as identified in IAPD
 - Operational life of system identified in IAPD
 - The year prior to system implementation is used as the RSM Base Year



Revenue Stream Model: Cost Data

- Growth of Net Administrative operating costs and ADP Operations and Maintenance costs is estimated based on inflation index prior to implementation or on historical data
- Total system development/enhancement cost is identified from Annual APD Updates
- The IAPD identifies the system costs that will be tracked in the Revenue Stream Model (RSM)

Administration for Children & Families

Revenue Stream Model: Benefits Data

- Growth of revenue (collections) is estimated by the model based on historical collections data and historical collections growth data leading up to the CSES' implementation
- The IAPD's CBA (Revenue Stream Model) provides the vehicle that will track benefits growth and accumulation automatically
- RSM is automated and can be easily printed for submission in Annual APD Updates



Tracks actual costs and benefits

Administration for Children of Familie

- Applies growth factors based on historical data or inflation index to project (predict) future costs/benefits
- ✓ Amortizes costs of system development/ enhancement over the projected system life
- Calculates the proportion of all revenue increases that are attributable to automation
- Projects breakeven point for costs and benefits

Revenue Stream Model: Setting Up the RSM

Project Cost Data

Administration for Children of Familie

 \checkmark

- System Development Cost
- System Life (in Years)
- Operations and Maintenance for Base Year
- Program Caseload, Collections and Net Administrative Cost
 - Annual Caseload for Base Year
 - Annual Collections for Base Year
- Growth Rate Data 3 to 5 Years Prior to Year One of Operation of the CSES (up to and including the Base Year)

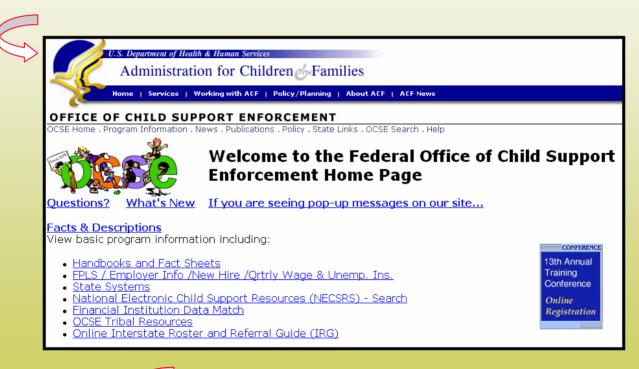


Child Support Enforcement Annual Reports to Congress





OCSE Website: http://www.acf.hhs.gov/programs/cse/



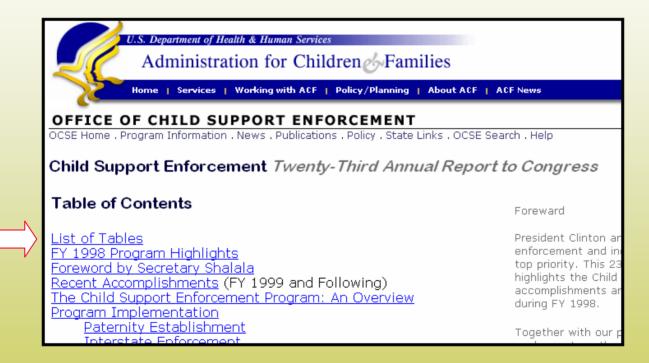


Forms, Reports & Other Resources















U.S. Dep	artment of Health & Hu	man Services	_						
Administration for Children & Families									
Home Services Working with ACF Policy/Planning About ACF ACF News									
			MENT						
	OFFICE OF CHILD SUPPORT ENFORCEMENT OCSE Home . Program Information . News . Publications . Policy . State Links . OCSE Search . Help								
U.S. Department of Health and Human Services Administration for Children & Families Office of Child Support Enforcement TABLE 4									
Child Support Enforce TOTAL DISTRIB	UTED COLLEC	TIONS FOR FI	VE CONSECUT						
STATE		1995	1996	1997	1998				
ALABAMA	\$127,908,477	\$141,212,499	\$157,887,352	\$170,581,427	\$172,407,203				
ALASKA	45,851,252	51,734,216	57,708,433	64,919,032	64,262,422				
ARIZONA	77,418,716	93,811,661	113,480,816	132,048,847	144,347,745				
ARKANSAS	55,214,883	63,875,135	5 79,432,115 91,457,022		99,373,428				
CALIFORNIA	811,493,194	857,281,903	281,903 1,034,409,497 1,174,214,624 1,372,		1,372,354,157				
COLORADO	80,288,154	91,869,504	108,259,298	123,564,692	140,311,116				
CONNECTICUT	98,447,867	113,734,197	125,234,393	141,543,436	154,373,662				
DELAWARE	29,663,335	31,550,990	35,394,565	38,616,387	42,005,824				
DISTRICT OF COLUMBIA	24,078,544	26,040,357	27,791,253	29,906,318	32,715,624				
FLORIDA	327,296,405	374,014,543	411,799,338	484,630,121	507,112,518				
WASHINGTON	340,488,236	375,257,202	407,002,297	451,730,094	474,432,883				
WEST VIRGINIA	54,401,779	72,796,255	84,232,843	98,147,954	109,384,212				
WISCONSIN	380,584,443	427,487,251	440,238,715	459,882,115	499,272,091				
WYOMING	16,183,772	17,349,792	25,020,548	28,682,650	33,110,055				
NATIONWIDE TOTALS	\$9,850,159,410 \$	10,827,167,179 \$	12,019,789,424 \$:	13,363,971,702 \$1	14,347,706,681				
SOURCE: FORM OCSE-34 (4/93) LINE 14(A + B + C) SOURCE: FORM OCSE-34									

SOURCE: FORM OCSE-34 (4/93) LINE 14(A + B + C)

Administration for Children of Families

RSM Data Sources – A Desk Reference Tool

1	Cost Benefit Analysis – Revenue Stream Model									
1 S S S S S S S S										
	FFY			Table	Table Name	Data Years	OCSE Form			
1	1991	Sixteenth Annual Report to Congress for the Period Ending September 30, 1991* - or OCSE Forms								
	1991	Caseload AR* 34			Average Annual CSE Caseload	1987 – 1991	Before 1991: OCSE 56 Line 4 (A+B+C) 1991: OCSE 156 lines 4 & 5 (A+B+C)			
	1991	Collections	AR*	4	Total Distributed Collections	1987 - 1991	OCSE 34, Line 13 (A + B + C)			
	1991	Net Admin	131		All Other Expenditures (at regular FFP rate)	1991	OCSE 131 (Part 1) Line 9			
1	1991	91 ADP O&M 131 0			Other ADP Expenditures (at regular FFP rate)	1991	OCSE 131 (Part 1) Line 7			
	1992	Sevenmeenth Annual Report to Congress for the Period Ending September 30, 1992*- or OCSE Forms								
10	1992	Caseload	AR*	32	Average Annual CSE Caseload FY 1992	1992	OCSE 156 lines 4 & 5 (A + B + C)			
	1992	Collections	AR*	4	Total Distributed Collections for	1988 - 1992	OCSE 34, Line 13 (A + B + C)			
222	1992	Net Admin	131	-	All Other Expenditures (at regular FFP rate)	1992	OCSE 131 (Part 1) Line 9			
	1992	ADP O&M	131		Other ADP Expenditures (at regular FFP rate)	1992	OCSE 131 (Part 1) Line 7			
	1993	Eighteenth Annual Report to Congress for the Period Ending September 30, 1993*- or OCSE Forms								
20	1993	Caseload	AR*	32	Average CSE Caseload by FY 1993	1993	OCSE 156 lines 4 & 5 (A + B + C)			
	1993	Collections	AR*	4	Total Distributed Collections for	1989 - 1993	OCSE 34, Line 13 (A + B + C)			
	1993	Net Admin	131		All Other Expenditures (at regular FFP rate)	1993	OCSE 131 (Part 1) Line 9			
	1993	ADP O&M	131		Other ADP Expenditures (at regular FFP rate)	1993	OCSE 131 (Part 1) Line 7			
	1994	Nine teenth Annual Report to Congress for the Period Ending September 30, 1994-or OCSE Forms								
	1994	Caseload	AR*	32	2 Average CSE Caseload by FY 1993 1994 OCS		OCSE 156 lines 4 & 5 (A + B + C)			
	1994	Collections	AR*	4	Total Distributed Collections for	1990 - 1994	OCSE 34, Line 14 (A + B + C)			
	1994	Net Admin	131		Net Administrative Expenditures	1994	OCSE 131 (Part 1) Line 9			
	1994	ADP O&M	131		Other ADP Expenditures (at regular FFP rate)	1994	OCSE 131 (Part 1) Line 7			



Growth Data

Calculate Rates Of Growth Of *Net* Program Administrative Costs), System Maintenance and Operations (M&O) Costs, and Caseload and Collections On A Year-to-Year Basis:

- ✓ prior to beneficial use of the system
- ✓ create average using at least 3 prior years
- use the same years for all calculations



Growth Formulas

Caseload and Collections Growth Rates

2002 Caseload Growth Rate = (2002 Caseload - 2001 Caseload) / 2001 Caseload

2001 Caseload Growth Rate = (2001 Caseload - 2000 Caseload) / 2000 Caseload

2000 Caseload Growth Rate = (2000 Caseload - 1999 Caseload) / 1999 Caseload

(3-yr) Caseload Growth Rate =

((2000 Growth Rate + 2001 Growth Rate + 2002 Growth Rate) / 3) / 100



Growth Formulas

Admin and ADP O & M Growth Rates

2002 Growth Rate = (2002 Inflation Index)

2001 Growth Rate = (2001 Inflation Index)

2000 Growth Rate = (2000 Inflation Index)

(3-yr) Inflation Index Growth Rate =

((2000 Growth Rate + 2001 Growth Rate + 2002 Growth Rate) / 3) / 100



Growth Parameters

- ✓ Caseload Growth % (3-10%)
- ✓ Collections Growth % (3-10%)
- ✓ Administration Cost Growth % (inflation +/- 2%)
- ✓ Annual ADP Cost Growth % (inflation +/- 1%)
- Variances outside these parameters need to be explained in APD



Using The Revenue Stream Model

Create an RSM

- ✓ Gather data from OCSE reports and APD's
- ✓ Enter data to RSM data-entry dialogs
- Print out benefit year worksheets
- ✓ Summarize progress in CBA section narrative

Update RSM data yearly

- Update RSM with actual prior year caseload and collections data, and administrative and ADP costs
- ✓ Print out benefit year worksheets
- ✓ Summarize progress in CBA section narrative.



RSM Construction and Use: An **Exercise**

Project Data

- ✓ System Development Cost
- ✓ System Life
- ✓ Base Year for RSM

Base Year Data

- ✓ Annual Caseload
- ✓ Annual Collections
- Net Administration Cost
- ✓ ADP Operations and Maintenance Cost

Growth Data

✓ Rates of growth



 \pm



Open The Revenue Stream Model Main Menu

Revenue Stream Model	Main Menu	
View or Enter Data	Print One or More Benefit Years	
Baseline Data FFY Base Year 1997 Benefit Year 1 1998 Benefit Year 2 1999 Benefit Year 3 2000 Benefit Year 4 2001 Benefit Year 5 2002 Benefit Year 6 2003 Benefit Year 7 2004 Benefit Year 7 2004 Benefit Year 8 2007 Benefit Year 9 2007 Benefit Year 1008 Benefit Year 12 2009 Benefit Year 13 2010 Benefit Year 13 2010 Benefit Year 15 2012 RSM Chart	Base Year Benefit Year 1 Benefit Year 2 Benefit Year 3 Benefit Year 3 Benefit Year 5 Benefit Year 5 Benefit Year 7 Benefit Year 7 Benefit Year 7 Benefit Year 10 Benefit Year 11 Benefit Year 12 Benefit Year 13 Benefit Year 15 RSM Chart	odel
Save and Close	Select All / Clear All # Copies to Print 1	
Close without Saving	Print	

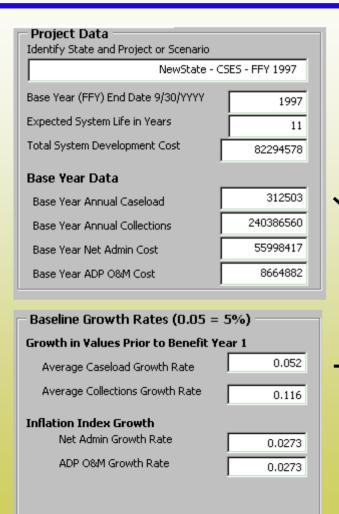


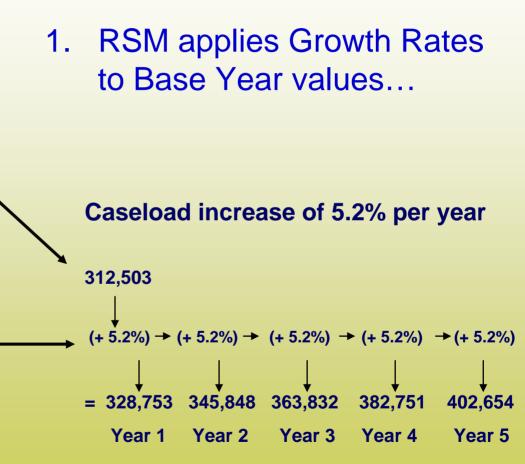
Input Baseline Data

Project Data Identify State and Project or Scenario State Name - P Base Year (FFY) End Date 9/30/YYYY Expected System Life in Years Total System Development Cost Base Year Data Base Year Annual Caseload Base Year Annual Collections	Project - Year 1997 0 0 0	Baseline Growth Rates (0.05 = 5%) Growth in Values Prior to Benefit Year 1 Average Caseload Growth Rate Average Collections Growth Rate Inflation Index Growth Net Admin Growth Rate ADP O&M Growth Rate	
Base Year Net Admin Cost Base Year ADP O&M Cost	Pro Ident Base Exper Total Base Base Base	Jaseline Data ject Data ify State and Project or Scenario NewState - CSES - FFY 1997 Year (FFY) End Date 9/30/YYYY 1997 cted System Life in Years System Development Cost 8 Year Data e Year Annual Caseload a Year Net Admin Cost 55998417 e Year ADP 0&M Cost	Baseline Growth Rates (0.05 = 5%) Growth in Values Prior to Benefit Year 1 Average Caseload Growth Rate 0.052 Average Collections Growth Rate 0.116 Inflation Index Growth 0.0273 ADP O&M Growth Rate 0.0273



How The Model Works







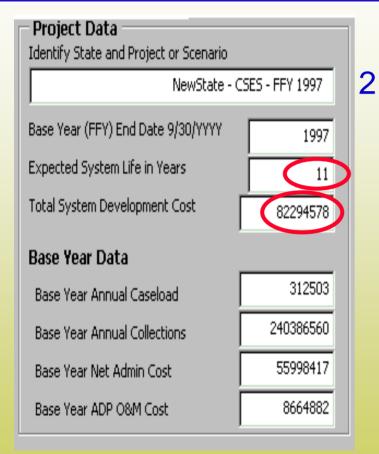
How The Model Works

... to estimate Caseload, Collections, Admin, and ADP O&M for all years

					Projected Oct-1998	Projected Oct-1999	Projected Oct-2000	Projected Oct-2001
312,503	+	5.20%	=	Annual Caseload	328,753	345,848	363,832	382,751
240,386,560	+	11.60%	=	Annual Collections	268,271,401	299,390,884	334,120,227	372,878,173
55,998,417	+	2.73%	=	Annual Admin Costs	57,527,174	59,097,666	60,711,032	62,368,443
8,664,882	+	2.73×	=	Annual ADP Uperations & Maintenance Costs	8,901,433	9,144,442	9,394,085	9,650,544
1		1		Harve Harvester of system har to fismingly particular to be the fisher	10,302,130 20,404 21,004,041 1,041,121	10,023,101 20,134 10,334,324 10,333,300	E1.004 20,034,001 20,034,001	1,131,003 21,414 132,431,013 30,333,010
					01,100,011 1,041,181 0,114	100,040,400 24,040,000 24,404	1 100,104,000 1 00,00,10 1 00,00,10	10,303,002 100,300,300 130,121,101 1 300-2002 12,004
				Base Year Notes: System Development Cost	82,294,578			
				Annual Caseload Annual Collections Annual Admin Cost Annual ADP O&M Cost	312,503 240,386,560 55,998,417 8,664,882			
				Base Year Projected Growth Rates:	10/01/1997			
		Y		Annual Caseload Growth (2) Annual Collections Growth (2) Annual Admin Growth (2) Annual ADP Growth (2)	5.20% 11.60% 2.73% 2.73%			
		NASS.		Annual Amortization Rate (2)	9.09%			



How The Model Works

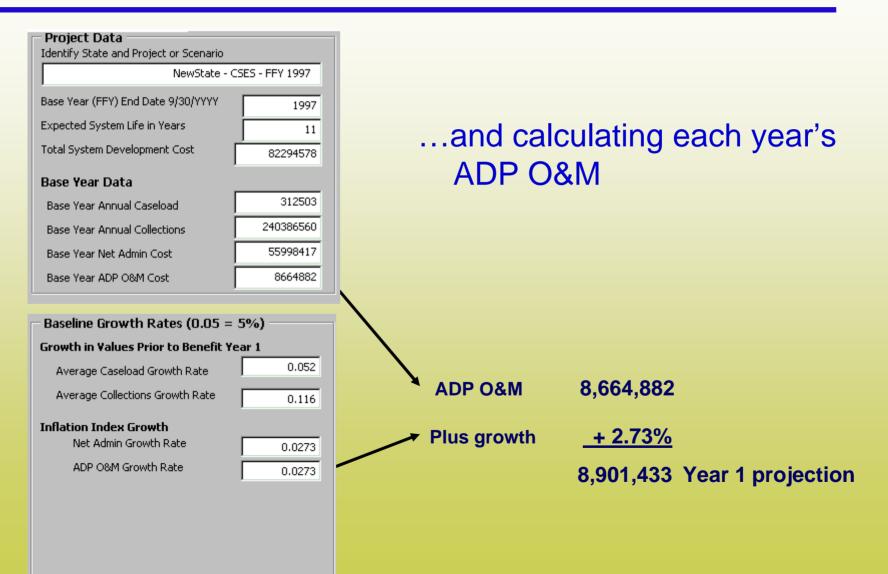


 RSM projects system costs by ...amortizing Development Cost over the years of system life ...

> 82,234,576 (*divided by*)

11 = 7,481,325 amortized amount







The Annual System Cost is the sum of the amortized Development Cost plus the year's O&M.

Development	82,234,576
	(divided by)
System Life	11 = 7,481,325 amortized development
	plus
ADP O&M	8,901,433 projection
Annual System Cost	16,382,207



RSM projects annual system costs for each year ...

	Projected Oct-1998	Projected Oct-1999	Projected Oct-2000	Projected Oct-2001	Projected Oct-2002	Projected Oct-2003	Projected Oct-2004
Annual Caseload	328,753	345,848	363,832	382,751	402.654	423,592	445.61
Annual Collections	268,271,401		334,120,227	372,878,173	416,132,041	464,403,358	518,274,14
Annual Admin Costs	57.527.174	59,097,666	60,711,032	62,368,443	64,071,101	65,820,242	67,617,13
Annual ADP Operations &		\					
Maintenance Costs	8,901,433	9,144,442	9,394,085	9,650,544	9,914,004	10,184,656	10,462,69
-							
Annual Amortization of							
System Development Cost	16,382,758	16,625,767	16,875,410	17,131,869	17,395,329	17,665,981	17,944,0
ner ren an ourer ren	20,404	20,104	100,0012	010100	2007 1006 (001 (011 (010 (010 (1	20.044	03
DUSTING TISSING SOLUTION	1,5%1	10,555,500	10,014,411	30,333,010	41,114,000	450,121,00	10,144,5
I STALLISTAN LINEAR STATES	1,10,011	24,340,033	01,00,00	10,000,000	000,000,000	100,400,142	140,040,
DIGARCTER ABOUNT	A set of the set of the set of			130,121,101			La branchi de la com
DICHECTLE HENRY	0.114	24.404	40.114	12.004	104.104	100.004	11-
Base Year Notes:							
System Development Cost	82,294,578						
Annual Caseload	312,503						
Annual Collections	240,386,560						
Annual Admin Cost Annual ADP O&M Cost	55,998,417 8,664,882						
Base Year	10/01/1997		\sim				
Projected Growth Rates:	1010111001		7,481,325	+ 8,901,433 =	16.382.758		
Annual Caseload Growth (2)	5.20%	/	K	+ 9,144,442 =			
Annual Collections Growth (2)		/	\checkmark	+ 9,394,085			
Annual Admin Growth (2)		/					
	2.73%	/		+ 9,650,544	= 17,131,869		
Annual ADP Growth (2) Annual Amortization Rate (2)	2.73%	/					
AIR48 ABOIL24008 NACE [4]	3.034	/					



Annual Caseload	Projected Oct-1998	Projected Oct-1999		
Annual Caseload	328,753	345,848		
Annual Collections	268,271,401	299,390,884	3	
Annual Admin Costs	57,527,174	59,097,666		
Annual ADP Operations &				
Maintenance Costs	8,901,433	9,144,442		
Annual Amortization of System				
Development Cost	16,382,758	16,625,767		
ADP to Admin (2)	22.17%	21.96%		
Base Year and Current Year Collection Difference	27,884,841	59,004,324	:	
Benefits Attributed To Automation	6,180,910	12,954,935		
Total Accum Annual Costs	91,196,011	100,340,453		
Total Accum Annual Benefits	6,180,910	19,135,845	1.00	
Breakeren Amount Breakeren Month				
Breakeven Ratio	6.78%	19.07%		
Base Year Notes:				
System Development Cost Annual Caseload	82,294,578 312,503			
Annual Collections	240,386,560			
Asses Admis Cost	55,998,417			
Annual ADP O&M Cost	8,664,882			
Pass Yess	1010111997			

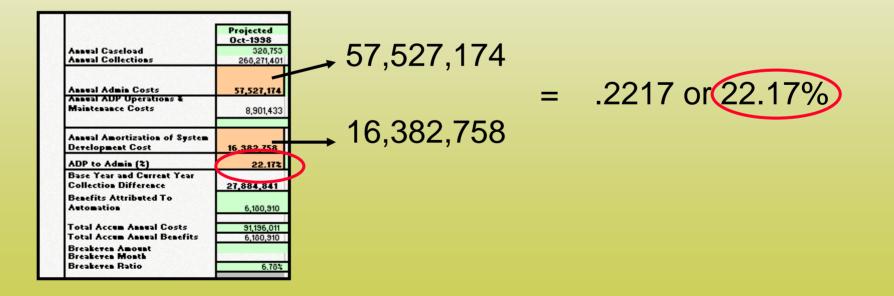
3. RSM calculates benefits in terms of the increase between

240,386,560 Base Year and 268,271,401 Current Year

27,884,841 Collections



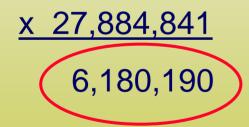
4. The RSM attributes benefits according to the ratio between Net Administrative costs and Annual System costs . . .





... and calculates the portion of benefits attributable to automation for each year ...

22.17%



Аллизі Аллизі Аллизі	Annual Caseload Annual Collections Annual Admin Costs Annual ADP Operations &		Projected Oct-1999 345,848 299,390,884 59,097,666	Projected Oct-2000 363,832 334,120,227 60,711,032	3
	mance Costs	8,901,433	9,144,442	9,394,085	
	Amortization of System pment Cost	16,382,758	16,625,767	16,875,410	
ADP	to Admin (%)	22.17%	21.96%	21.75%	
Colle	Year and Current Year ction Difference	27,884,841	59,004,324	93,733,667	1
	its Attributed To nation	6,180,910	12,954,935	20,387,506	
	Accum Annual Costs Accum Annual Benefits	91,196,011 6,180,910	100,340,453 19,135,845	109,734,538 39,523,351	
Breakeven Amount Breakeven Month Breakeven Ratio		6.78%	19.07%	36.02%	



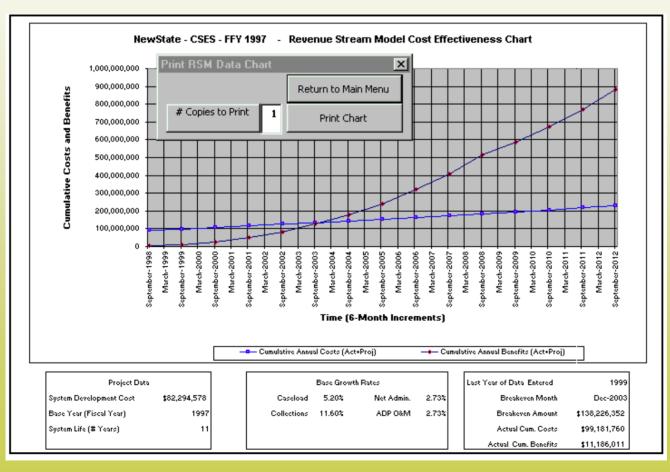
5. The RSM accumulates costs and benefits each year...

	Actual Oct-1998	Projected Oct-1999	Projected Oct-2000	Projected Oct-2001	Projected Oct-2002	Projected Oct-2003	Projec Oct-2
Annual Caseload Annual Collections	310,015	326,136 280,439,544	343,095 312,970,531	360,936 349,275,113	379,705 389,791,026	399,450 435,006,785	485,4
Annual Admin Costs Annual AUP Uperations &	58,987,718	60,598,083 8,917,885	62,252,411 9,161,343	63,951,902 9,411,448	65,697,789 9,668,381	67,491,339 9,932,328	69,3 10,3
Annual Amortization of	51 E412	16,399,210	16,642,668	16,892,773	17,149,706	17,413,653	17,6
AUP to Admin [%] Base Year and Current Year	21.01%	40.052.984	72.583.971	20.90%	20.70%	20.01%	245
Benefits Attributed To							
Automation	2,344,944	8,530,655	15,311,360	22,752,638	30,927,220	39,915,781	49,8
Total Accum Annual Costs	90,975,475	99,893,360	109,054,703	118,466,151	128,134,532	138,066,860	148,27
Total Accum Annual Benefits	2,344,944	10,875,599	26,186,959	48,939,597	79,866,817	119,782,598	169,59
Breakeven Amount Breakeven Month						144,686,511 Apr-2004	
Breakeven Ratio	2.58%	10.89%	24.01%	41.31%	62.33%	86.76%	11

... identifying progress toward breakeven as a percentage



6. The RSM also charts breakeven data automatically.





RSM Yearly Updates: The RSM Update Process

✓ Each year, enter data for the prior year

- Caseload
- Collections
- Administrative expenditures (net)
- ADP Operations and Maintenance
- ✓ Update the total system development cost
- Print out all RSM Benefit Years to-date and the Chart
- ✓ And update the narrative in CBA Section of APDU



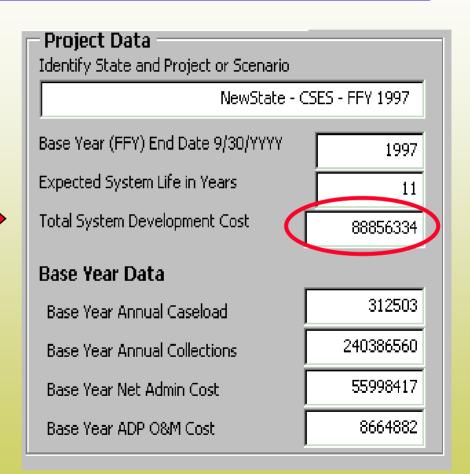
Enter data for the prior year ...

	State - C323 - 1		,		Scieann Moder		
	Actual FFY 1998	Actual FFY 1999	Projected FFY 2000	Projected FFY 2001	Projected FFY 2002	Projected FFY 2003	Pro
Annual Caseload	310,015	318,026	334,563	351,960	370,262	389,516	
Annual Collections	251,289,914	274,795,516	306,671,796	342,245,724	381,946,228	426,251,990	
Annual Net Admin	58,987,718	65,840,065	67,637,499	69,484,003	71,380,916	73,329,615	
Annual ADP Ops & Maint (O&M) Costs	8,680,897	8,206,285	8,430,317	8,660,465	8,896,896	9,139,781	
Annual System Cost ADP to Admin (%)	16,162,222	Input Benef	it Year 2 Data		×	16,621,106	
.,	27.40%				<u>×</u>	22.67%	_
Base Year and Current Year Collection Difference	10,903,354		Actual Benefit Ye			185,865,430	
Annual Benefit Attributed To Automation	2,987,443		Caseload Collection	31 27479	8026 95516	42,128,805	_
Total Accum Annual Costs	90,975,475	Annual	Net Admin	6584	10065 B	134,309,219	_
Total Accum Annual Benefits	2,987,443	0 pp u al	ADP O&M	820	16285 D	125,051,795	
Breakeven Amount Breakeven Month		Annuar		020		138,226,352 Dec-2003	
Breakeven Ratio	3.28%	Restore Or	iginal Projections	Return to Ma	ain Menu 📔 🗵	93.11%	
Baseline Data:							
System Development Cost	82,294,578	# Copies t	o Print 1				
Base Year Caseload	312,503	# Copics C		Print Curre	nt Year 📔 📃		
Base Year Collections	240,386,560						_
Base Year Net Admin Cost Base Year ADP O&M Cost	55,998,417 8,664,882						
Base Year FFY End Date	9/30/1997						_
Projected Growth Rates	313011331						
Caseload Growth (%)	5.20%						
Collections Growth (%)	11.60%						
Net Admin Growth (%)	2.73%						
ADP O&M Growth (%)	2.73%						
System Life	11						
Amortization Rate (%)	9.09%						

NewState - CSES - FFY 1997 Cost Benefit Analysis - Revenue Stream Model for Benefit Year 2

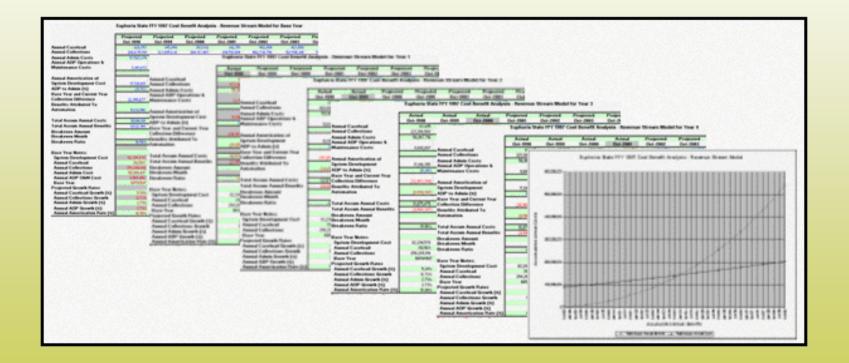


Update the total system development cost





Print out all RSM Benefit Years to-date and the Chart





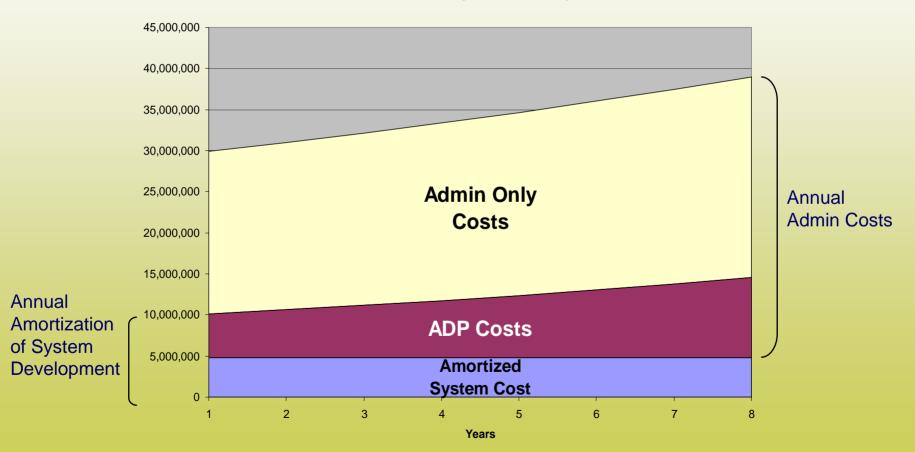
And ...

Update the narrative in the CBA section of the APD with whiz-bang statistics and narratives that describe all the great things the program is achieving since the implementation of the system!!!!!



Revenue Stream - ADP to Admin Percentage

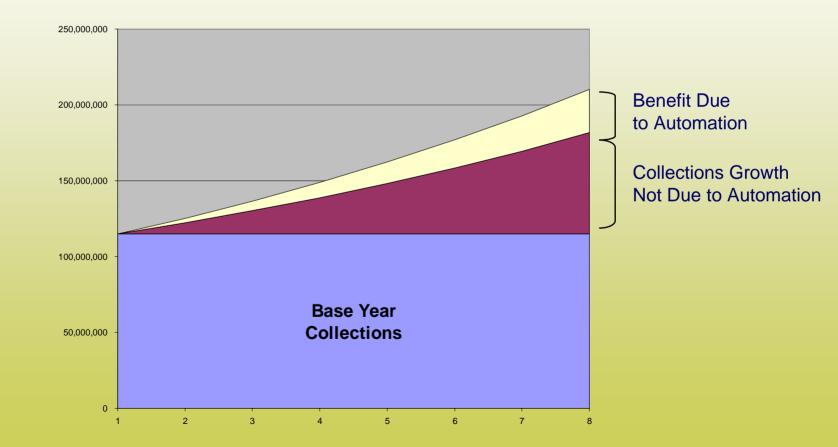
ADP to Admin % = Annual Amortization of System Development/Annual Admin costs





Revenue Stream - Benefit Attributed to Automation

Benefit Attributed to Automation = Collection Difference x ADP to Admin %





End of the Session

Questions