SN CRAC Rate Designs

February 18, 2003

Line #	Name	Fixed?	3-Yr TPP (04-06)	06 Treas. Recov. %	E.V. SN CRAC 04	E.V. SN CRAC 05	E.V. SN CRAC 06	E.V. Ave. SN CRAC	St Dv SN CRAC 04	St Dv SN CRAC 05	St Dv SN CRAC 06	04-06 SN Tot. Rev.	04-06 FB Tot. Rev.	04-06 Tot. CRAC	E.V. 06 End. Res.
1	Case 0 | BPA rese	TRUE	2.4%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	$ -	$ 319	$ 319	$ (665)
3	Case B | BPA rese	TRUE	87.7%	98.8%	52.9%	52.7%	52.3%	52.7%	0.0%	0.0%	0.0%	$ 1,815	$ 161	$ 1,976	$ 1,029
5	Case D | BPA rese	TRUE	56.1%	80.2%	32.4%	32.3%	32.0%	32.2%	0.0%	0.0%	0.0%	$ 1,110	$ 247	$ 1,357	$ 402
6	Case E | BPA rese	FALSE	50.4%	82.0%	29.5%	29.3%	29.2%	29.3%	7.4%	8.8%	8.7%	$ 1,011	$ 268	$ 1,279	$ 317
7	Case F | BPA rese	FALSE	50.5%	90.7%	30.4%	30.3%	30.1%	30.3%	8.4%	12.9%	11.5%	$ 1,043	$ 268	$ 1,311	$ 352
8	Case G | BPA rese	FALSE	50.2%	80.8%	32.2%	29.2%	20.4%	27.3%	8.5%	12.9%	11.4%	$ 939	$ 265	$ 1,204	$ 254
9	Case G2 | BPA res	FALSE	53.8%	80.2%	32.4%	29.1%	22.5%	28.0%	6.2%	8.8%	10.7%	$ 964	$ 258	$ 1,223	$ 272
11	Case I | BPA reser	FALSE	46.0%	93.4%	25.2%	41.5%	30.4%	32.4%	8.4%	9.5%	12.8%	$ 1,116	$ 251	$ 1,366	$ 411

This shading color indicates that the SN CRAC design does not meet even the relaxed TPP standards

Case 0: No SN CRAC, just FB CRAC, revised TPP definitions

Case B: Flat, fixed SN CRAC that meets traditional TPP standard for BPA (3-year equivalent of 80%/5-year, which is relaxed from the 95%/2-year standard)

Case D: Flat, fixed SN CRAC that meets the relaxed 50%/3-year, 80% Treasury Recovery Probability in 2006 criteria

Case E: Flat E.V. variable SN CRAC with annual caps $50M above the annual amounts in Case D

Case F: Flat E.V. variable SN CRAC with annual caps $200M above the annual amounts in Case D

Case G: Shaped variable SN CRAC with caps $200M above annual amounts in Case D, E.V. 04 % = 04 % in Case D

Case G2: Shaped variable SN CRAC with caps $50M above annual amounts in Case D, E.V. 04% = 04% in Case D

Case I: Shaped variable SN CRAC with caps $200M above annual amounts in Case D, E.V. 04% = 25%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case 0 | BPA reserves										
2	**Time of run: 10:21:01 on 2-13-03**				**3 -yr TPP =**		**2.4%**		**All-BPA run**									
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA	☐	☐	162.5	☐	50	20	-248		TRUE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☑	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
16	3	2003	TRUE	5.83%	73.0	323.0	7.5	21.4	-408	0	993	20,000		0				
17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-330	400		0%		
18	5	2005	TRUE	5.83%	148.1	345.3	13.6	23.1	-299	150	401	20,000	-220	400		0%		
19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	-110	400		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004		15.0	-37.0	0.0	0.0		100.6	1	0	67%	0		1,142.9	886.5		
26	5	2005		-1.9	-110.5	0.0	0.0		101.4	1	0	67%	0		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	0		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						0					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	43.8	-852.9	-		-194.2			
34	4	2004	2640	50	12%	2,640	12%	263.5	299.5	299.5	-179.7	-1,013.0	-		-131.1			
35	5	2005	2841	19	5%	2,881	4%	545.1	575.6	199.2	-467.9	-1,183.0	-		-126.3			
36	6	2006	2865	20	4.5%	2,928	2%	742.2	777.2	123.4	-664.7	-1,352.4	-	FCCF	-108.7			
37	5 -yr Total		10259	290	n / a	n / a	n / a	1606.6	n / a	n / a	n / a	n / a	-	Strt Bal	-950.4			
38	5 -yr Ave.		2051.8	58	n / a	n / a	n / a	321.3	469.8	208.9	n / a	n / a	-	n / a	-190.1			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	0		0.0	0	0		100%	0%	100.4	0.0%	0%
45	5	2005	2998	100.3	100.2	2984	0	0		0.0	0	0		100%	0%	100.2	0.0%	0%
46	6	2006	2989	118.6	118.2	2956	0	0		0.0	0	0		100%	0%	118.2	0.0%	1%
47	5 -yr Total		11986		318.9	11938	0	0		0.0	0	0		3-Yr. Ave.	3-Yr. Ave.	318.9	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		2397.2	79.8	63.8	2387.6		0.0		0.0	0.0		0%	100%	0%		0.0%	0.5%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	-2.6	n / a	n / a	n / a	31%	11%	0%	42%	0%	42%
55	5	2005	-226.6	6.2	-220.3	0		0.0	-19.0	n / a	n / a	n / a	30%	11%	0%	41%	0%	41%
56	6	2006	-226.9	5.8	-221.1	0		0.0	-36.2	n / a	n / a	n / a	30%	13%	0%	43%	0%	43%
57	5 -yr Total		-1269.2	90.8	-1178.4	0		0.0	-28.4	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	0		0.0	-5.7	n / a	n / a	n / a	34%	12%	0%	43%	0%	43%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case B | BPA reserves										
2	**Time of run: 10:34:58 on 2-13-03**				**3 -yr TPP =**		**87.7%**		**All-BPA run**									
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA	☐	☐	162.5	☐	50	20	-248		FALSE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☑	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
16	3	2003	TRUE	5.83%	73.0	323.0	7.5	21.4	-408	0	993	20,000		0				
17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-330	400		0%		
18	5	2005	TRUE	5.83%	148.1	345.3	13.6	23.1	-299	150	401	20,000	-220	400		0%		
19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	-110	400		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004	-27.5	15.0	-37.0	0.0	0.0		100.6	1	0	67%	605		1,142.9	886.5		
26	5	2005	-27.5	-1.9	-110.5	0.0	0.0		101.4	1	0	67%	605		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	605		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						1815					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	99.5	-852.9	-		-194.2			
34	4	2004	363	56	88%	363	88%	12.8	106.1	106.1	353.4	-379.7	-		473.9			
35	5	2005	129	19	96%	368	88%	6.9	159.8	21.7	651.6	69.8	-		430.8			
36	6	2006	37	2	98.8%	368	88%	4.1	331.6	n / a	1,029.3	473.7	-	FCCF	386.1			
37	5 -yr Total		2442	278	n / a	n / a	n / a	79.5	n / a	n / a	n / a	n / a	-	Strt Bal	706.5			
38	5 -yr Ave.		488.4	56	n / a	n / a	n / a	15.9	97.7	90.2	n / a	n / a	-	n / a	141.3			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	3000	605.0	605.0	0	0		100%	100%	705.4	0.0%	0%
45	5	2005	1950	80.5	52.3	1152	0	3000	605.0	605.0	0	0		65%	100%	657.3	0.0%	5%
46	6	2006	313	76.0	7.9	106	0	3000	605.0	605.0	0	0		10%	100%	612.9	0.0%	3%
47	5 -yr Total		8262		160.7	7256	0	9000		1815.0	0	0		3-Yr. Ave.	3-Yr. Ave.	1975.7	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		1652.4	58.4	32.1	1451.2		1800.0	605.0	363.0	0.0		0%	58%	100%		0.0%	2.7%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	25.7	n / a	n / a	n / a	31%	11%	53%	95%	0%	95%
55	5	2005	-226.6	6.2	-220.3	1	4.0	0.0	43.3	n / a	n / a	n / a	30%	6%	53%	89%	0%	89%
56	6	2006	-226.9	5.8	-221.1	371	157.2	19.4	61.8	n / a	n / a	n / a	30%	1%	52%	83%	2%	81%
57	5 -yr Total		-1269.2	90.8	-1178.4	372		19.4	160.3	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	74.4	156.7	3.9	32.1	n / a	n / a	n / a	34%	7%	53%	71%	1%	71%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case D | BPA reserves										
2	**Time of run: 10:56:09 on 2-13-03**				**3 -yr TPP =**		**56.1%**		**All-BPA run**									
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA	☐	☐	162.5	☐	50	20	-248		TRUE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☑	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
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17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-330	400		0%		
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19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	-110	400		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004	-27.5	15.0	-37.0	0.0	0.0		100.6	1	0	67%	370		1,142.9	886.5		
26	5	2005	-27.5	-1.9	-110.5	0.0	0.0		101.4	1	0	67%	370		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	370		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						1110					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	43.8	-852.9	-		-194.2			
34	4	2004	1163	115	61%	1,163	61%	54.4	140.2	140.2	139.5	-625.7	-		238.9			
35	5	2005	937	70	69%	1,299	57%	66.9	214.3	77.6	222.3	-398.5	-		231.8			
36	6	2006	595	36	80.2%	1,316	56%	45.9	231.4	55.9	402.5	-196.1	-	FCCF	201.8			
37	5 -yr Total		4608	422	n / a	n / a	n / a	222.9	n / a	n / a	n / a	n / a	-	Strt Bal	88.2			
38	5 -yr Ave.		921.6	84	n / a	n / a	n / a	44.6	145.1	105.8	n / a	n / a	-	n / a	17.6			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	3000	370.0	370.0	0	0		100%	100%	470.4	0.0%	0%
45	5	2005	2814	94.2	88.4	2403	0	3000	370.0	370.0	0	0		94%	100%	458.4	0.0%	3%
46	6	2006	1813	97.0	58.6	1169	0	3000	370.0	370.0	0	0		60%	100%	428.6	0.0%	6%
47	5 -yr Total		10626		247.5	9570	0	9000		1110.0	0	0		3-Yr. Ave.	3-Yr. Ave.	1357.5	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		2125.2	69.9	49.5	1914		1800.0	370.0	222.0	0.0		0%	85%	100%		0.0%	3.2%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	14.7	n / a	n / a	n / a	31%	11%	32.4%	74%	0%	74%
55	5	2005	-226.6	6.2	-220.3	0		0.0	20.0	n / a	n / a	n / a	30%	10%	32.3%	72%	0%	72%
56	6	2006	-226.9	5.8	-221.1	11	169.0	0.6	25.7	n / a	n / a	n / a	30%	6%	32.0%	69%	0%	68%
57	5 -yr Total		-1269.2	90.8	-1178.4	11		0.6	89.9	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	2.2	169.0	0.1	18.0	n / a	n / a	n / a	34%	10%	32%	61%	0%	61%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case E | BPA reserves										
2	**Time of run: 11:00:58 on 2-13-03**				**3 -yr TPP =**		**50.4%**		**All-BPA run**									
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA	☐	☐	162.5	☐	50	20	-248		TRUE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☐	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
16	3	2003	TRUE	5.83%	73.0	323.0	7.5	21.4	-408	0	993	20,000		0				
17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-405	420		0%		
18	5	2005	TRUE	5.83%	148.1	345.3	13.6	23.1	-299	150	401	20,000	-175	420		0%		
19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	10	420		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004	-27.5	15.0	-37.0	0.0	0.0		100.6	1	0	67%	375		1,142.9	886.5		
26	5	2005	-27.5	-1.9	-110.5	0.0	0.0		101.4	1	0	67%	375		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	375		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						1125					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	43.8	-852.9	-		-194.2			
34	4	2004	1245	135	59%	1,245	59%	55.4	133.5	133.5	109.0	-659.8	-		206.4			
35	5	2005	991	80	67%	1,470	51%	60.6	183.6	77.7	160.0	-463.8	-		204.0			
36	6	2006	541	46	82.0%	1,489	50%	33.0	183.1	40.4	316.9	-283.8	-	FCCF	183.4			
37	5 -yr Total		4690	462	n / a	n / a	n / a	204.8	n / a	n / a	n / a	n / a	-	Strt Bal	9.6			
38	5 -yr Ave.		938	92	n / a	n / a	n / a	41.0	131.0	103.3	n / a	n / a	-	n / a	1.9			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	2995	338.1	337.5	707	0		100%	100%	438.0	7.4%	0%
45	5	2005	2934	96.9	94.7	2660	0	2987	337.3	335.8	1259	0		98%	100%	430.6	8.8%	2%
46	6	2006	2309	94.8	73.0	1356	0	2953	342.6	337.3	1064	0		77%	98%	410.3	8.7%	6%
47	5 -yr Total		11242		268.2	10014	0	8935		1010.6	3030	0		3-Yr. Ave.	3-Yr. Ave.	1278.8	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		2248.4	71.6	53.6	2002.8		1787.0	339.3	202.1	606.0		0%	92%	99%		8.3%	2.7%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	13.1	n / a	n / a	n / a	31%	11%	29.5%	71%	0%	71%
55	5	2005	-226.6	6.2	-220.3	0		0.0	16.6	n / a	n / a	n / a	30%	10%	29.3%	70%	0%	70%
56	6	2006	-226.9	5.8	-221.1	0		0.0	21.0	n / a	n / a	n / a	30%	8%	29.2%	67%	0%	67%
57	5 -yr Total		-1269.2	90.8	-1178.4	0		0.0	80.2	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	0		0.0	16.0	n / a	n / a	n / a	34%	10%	29.3%	60%	0%	60%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case F | BPA reserves										
2	**Time of run: 11:08:20 on 2-13-03**				**3 -yr TPP =**		**50.5%**		**All-BPA run**									
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA ◉	☐	☐	162.5	☐	50	20	-248		TRUE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☐	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
16	3	2003	TRUE	5.83%	73.0	323.0	7.5	21.4	-408	0	993	20,000		0				
17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-405	570		0%		
18	5	2005	TRUE	5.83%	148.1	345.3	13.6	23.1	-299	150	401	20,000	-200	570		0%		
19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	-15	570		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004	-27.5	15.0	-37.0	0.0	0.0		100.6	1	0	67%	375		1,142.9	886.5		
26	5	2005	-27.5	-1.9	-110.5	0.0	0.0		101.4	1	0	67%	375		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	375		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						1125					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	43.8	-852.9	-		-194.2			
34	4	2004	1175	137	61%	1,175	61%	50.3	128.4	128.4	118.4	-649.2	-		216.4			
35	5	2005	867	96	71%	1,461	51%	37.8	130.7	81.8	182.0	-440.6	-		215.5			
36	6	2006	278	43	90.7%	1,485	51%	8.0	86.7	41.4	351.9	-247.8	-	FCCF	194.1			
37	5 -yr Total		4233	477	n / a	n / a	n / a	151.8	n / a	n / a	n / a	n / a	-	Strt Bal	41.7			
38	5 -yr Ave.		846.6	95	n / a	n / a	n / a	30.4	107.6	100.8	n / a	n / a	-	n / a	8.3			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	2995	348.1	347.5	0	0		100%	100%	448.0	8.4%	0%
45	5	2005	2930	96.7	94.4	2634	0	2979	350.1	347.6	356	0		98%	99%	442.0	12.9%	2%
46	6	2006	2353	93.2	73.1	1301	0	2951	353.6	347.8	251	0		78%	98%	421.0	11.5%	5%
47	5 -yr Total		11282		268.0	9933	0	8925		1043.0	607	0		3-Yr. Ave.	3-Yr. Ave.	1311.0	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		2256.4	71.3	53.6	1986.6		1785.0	350.6	208.6	121.4		0%	92%	99%		10.9%	2.7%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	13.6	n / a	n / a	n / a	31%	11%	30.4%	72%	0%	72%
55	5	2005	-226.6	6.2	-220.3	0		0.0	17.8	n / a	n / a	n / a	30%	10%	30.3%	71%	0%	71%
56	6	2006	-226.9	5.8	-221.1	0		0.0	23.2	n / a	n / a	n / a	30%	8%	30.1%	68%	0%	68%
57	5 -yr Total		-1269.2	90.8	-1178.4	0		0.0	84.1	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	0		0.0	16.8	n / a	n / a	n / a	34%	10%	30%	60%	0%	60%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case G | BPA reserves										
2	**Time of run: 11:22:07 on 2-13-03**				**3 -yr TPP =**		**50.2%**		**All-BPA run**									
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA	☐	☐	162.5	☐	50	20	-248		TRUE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☐	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
16	3	2003	TRUE	5.83%	73.0	323.0	7.5	21.4	-408	0	993	20,000		0				
17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-385	570		0%		
18	5	2005	TRUE	5.83%	148.1	345.3	13.6	23.1	-299	150	401	20,000	-195	570		0%		
19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	-130	570		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004	-27.5	15.0	-37.0	0.0	0.0		100.6	1	0	67%	375		1,142.9	886.5		
26	5	2005	-27.5	-1.9	-110.5	0.0	0.0		101.4	1	0	67%	375		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	375		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						1125					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	43.8	-852.9	-		-194.2			
34	4	2004	1047	107	65%	1,047	65%	43.3	124.1	124.1	137.1	-628.3	-		236.4			
35	5	2005	826	97	72%	1,353	55%	34.4	125.0	82.9	191.0	-433.1	-		201.4			
36	6	2006	575	74	80.8%	1,493	50%	19.8	103.3	72.1	254.1	-358.0	-	FCCF	81.3			
37	5 -yr Total		4361	479	n / a	n / a	n / a	153.2	n / a	n / a	n / a	n / a	-	Strt Bal	-65.1			
38	5 -yr Ave.		872.2	96	n / a	n / a	n / a	30.6	105.4	97.6	n / a	n / a	-	n / a	-13.0			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	2997	367.9	367.5	1	0		100%	100%	468.0	8.5%	0%
45	5	2005	2908	95.9	92.9	2556	0	2973	338.1	335.0	306	0		97%	99%	428.0	12.9%	2%
46	6	2006	2328	92.3	71.6	1260	0	2810	252.5	236.5	48	0		78%	94%	308.2	11.4%	6%
47	5 -yr Total		11235		265.0	9814	0	8780		939.1	355	0		3-Yr. Ave.	3-Yr. Ave.	1204.1	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		2247	70.8	53.0	1962.8		1756.0	320.9	187.8	71.0		0%	92%	98%		10.9%	2.8%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	14.6	n / a	n / a	n / a	31%	11%	32.2%	74%	0%	74%
55	5	2005	-226.6	6.2	-220.3	0		0.0	18.4	n / a	n / a	n / a	30%	10%	29.2%	70%	0%	70%
56	6	2006	-226.9	5.8	-221.1	1	13.3	0.0	18.2	n / a	n / a	n / a	30%	8%	20.4%	58%	0%	58%
57	5 -yr Total		-1269.2	90.8	-1178.4	1		0.0	80.7	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	0.2	13.3	0.0	16.1	n / a	n / a	n / a	34%	10%	27.3%	58%	0%	58%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case G2 | BPA reserves										
2	**Time of run: 11:29:23 on 2-13-03**				**3 -yr TPP =**		**53.8%**	**All-BPA run**										
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA	☐	☐	162.5	☐	50	20	-248		TRUE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☐	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
16	3	2003	TRUE	5.83%	73.0	323.0	7.5	21.4	-408	0	993	20,000		0				
17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-355	420		0%		
18	5	2005	TRUE	5.83%	148.1	345.3	13.6	23.1	-299	150	401	20,000	-145	420		0%		
19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	-80	420		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004	-27.5	15.0	-37.0	0.0	0.0		100.6	1	0	67%	375		1,142.9	886.5		
26	5	2005	-27.5	-1.9	-110.5	0.0	0.0		101.4	1	0	67%	375		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	375		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						1125					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	43.8	-852.9	-		-194.2			
34	4	2004	1071	116	64%	1,071	64%	45.6	127.8	127.8	139.7	-625.4	-		239.2			
35	5	2005	868	75	71%	1,284	57%	50.7	175.2	66.9	192.2	-432.2	-		199.4			
36	6	2006	594	70	80.2%	1,387	54%	30.5	153.9	53.1	271.6	-338.4	-	FCCF	99.2			
37	5 -yr Total		4446	462	n / a	n / a	n / a	182.5	n / a	n / a	n / a	n / a	-	Strt Bal	-46.5			
38	5 -yr Ave.		889.2	92	n / a	n / a	n / a	36.5	123.1	98.1	n / a	n / a	-	n / a	-9.3			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	2997	370.6	370.3	1382	0		100%	100%	470.7	6.2%	0%
45	5	2005	2888	95.2	91.7	2497	0	2984	336.1	334.3	1238	0		96%	99%	425.9	8.8%	3%
46	6	2006	2137	92.9	66.2	1178	0	2827	275.8	259.9	603	0		71%	94%	326.1	10.7%	6%
47	5 -yr Total		11024		258.3	9673	0	8808		964.4	3223	0		3-Yr. Ave.	3-Yr. Ave.	1222.7	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		2204.8	70.3	51.7	1934.6		1761.6	328.5	192.9	644.6		0%	89%	98%		8.5%	2.9%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	14.7	n / a	n / a	n / a	31%	11%	32.4%	74%	0%	74%
55	5	2005	-226.6	6.2	-220.3	0		0.0	18.5	n / a	n / a	n / a	30%	10%	29.1%	70%	0%	70%
56	6	2006	-226.9	5.8	-221.1	1	46.6	0.0	19.0	n / a	n / a	n / a	30%	7%	22.5%	60%	0%	60%
57	5 -yr Total		-1269.2	90.8	-1178.4	1		0.0	81.7	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	0.2	46.6	0.0	16.3	n / a	n / a	n / a	34%	10%	28.0%	59%	0%	59%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**ToolKit v. 1.72, (2-13-2003)**					Study title:		Case I | BPA reserves										
2	**Time of run: 11:46:48 on 2-13-03**				**3 -yr TPP =**		**46.0%**		**All-BPA run**									
3	**Inputs**	PBL data:	RM_SN_Initial_02-06_030212.xls															
4		TBL data:	TBL_SN_Initial_02-06.xls															
5	Files =>	Prior TK:																
6	Start in	Stop in	Random	Run Type	Access	Random	St. FCCF	Access	PBL Wrkg	TBL Wrkg	PBL Strt.	SN CRAC	New Def.					
7	TK Year	TK Year	St. Rsrv.	PBL	FCCF?	St. FCCF	Balance	4h10C?	Capital	Capital	ANR	Per Cent	Logic?					
8	2	6	☐	BPA	☐	☐	162.5	☐	50	20	-248		TRUE					
9	Start TPP	"Small"	No. of	PBL Strt	TBL Strt	Debug	Reserves	AutoPrint	AutoPrint	FB CRAC	Enable	SN CRAC	CRACs					
10	in TK Yr	Def. Size	Iterations	Rsrv Bal	Rsrv Bal	Level	Graph	Res Grph	This Page	Lim/Total	OnTheFly	Fixed?	Std Dev?					
11	4	$20	3000	495	130	0	☑	☐	☐	20,000	☐	☐	☑					
12	ToolKit	Fiscal	Probabi-	Treasury	Amort	Interest	PBL Int.	TBL Int.	FB CRAC	FB CRAC	Div. Dist.	Div.Dist	SN CRAC	SN CRAC	SN CRAC	SN CRAC		
13	Year	Year	listic?	Int. Rate	Sched	Sched	Cr. Sched	Cr. Sched	Threshold	Lim/Year	Threshold	Lim/Year	Threshold	Lim/Year	Deadband	Slope		
14	1	2001																
15	2	2002	TRUE	5.83%	107.4	315.5	20.4	0.0	-386	1000		20,000		0				
16	3	2003	TRUE	5.83%	73.0	323.0	7.5	21.4	-408	0	993	20,000		0				
17	4	2004	TRUE	5.83%	93.0	334.4	14.3	23.1	-265	150	735	20,000	-465	570		0%		
18	5	2005	TRUE	5.83%	148.1	345.3	13.6	23.1	-299	150	401	20,000	-90	570		0%		
19	6	2006	TRUE	5.83%	128.5	348.3	13.7	23.9	-299	175	401	20,000	50	570		0%		
20	ToolKit	Fiscal	Other	Back out	Accrual	TBL Acc.	Cali-	Other NR	Back out	FB CRAC	FB CRAC	FB CRAC	SN CRAC		SN CRAC	FB CRAC		
21	Year	Year	Cash Adj	FB CRAC	to Cash	to Cash	bration	& Csh Adj	FB CRAC	1st Month	Thr. Type	Slice Frc.	Planned		Rev Basis	Rev Basis		
22	1	2001																
23	2	2002			-123.8		0.0			1	0							
24	3	2003			49.0	0.0	0.0		0.0	1	0	64%				798.2		
25	4	2004	-27.5	15.0	-37.0	0.0	0.0		100.6	1	0	67%	375		1,142.9	886.5		
26	5	2005	-27.5	-1.9	-110.5	0.0	0.0		101.4	1	0	67%	375		1,147.2	903.3		
27	6	2006		3.0	-21.1	0.0	0.0		118.9	1	0	68%	375		1,156.7	912.7		
28	**Outputs**		< - - - - Cash-only adjustments - - - - >				< - Cash & NR adjustments - >						1125					
29	ToolKit	Fiscal	No. of	"Small"	1-year	Cumul.	Cumul.	Ave. Def.	Ave. Def.	Ave 1st	Ave. End.	Ave. End.	On-the-Fly	BPA	Total PBL			
30	Year	Year	Deferrals	Deferrals	Probab.	Deferrals	Probab.	per Year	per Def.	Def./Def.	Reserves	PBL ANR	Adjustmt.	Strt Bal	Net Rev			
31	0.0	0.0	0.0	-	1.0	n / a	n / a	0.0	n / a	n / a	0	0		624.7	inc. tools			
32	2	2002	0	-	100%	n / a	n / a	0.0	n / a	n / a	186.1	-645.1	-		-390.0			
33	3	2003	1913	201	36.2%	n / a	n / a	55.7	87.3	87.3	43.8	-852.9	-		-194.2			
34	4	2004	1538	112	49%	1,538	48.7%	75.8	147.8	147.8	62.2	-712.0	-		156.7			
35	5	2005	682	60	77%	1,614	46.2%	37.3	163.9	50.1	239.0	-369.1	-		347.1			
36	6	2006	198	31	93.4%	1,619	46.0%	7.4	112.4	56.3	411.4	-189.8	-	FCCF	177.5			
37	5 -yr Total		4331	404	n / a	n / a	n / a	176.2	n / a	n / a	n / a	n / a	-	Strt Bal	97.0			
38	5 -yr Ave.		866.2	81	n / a	n / a	n / a	35.2	122.0	112.8	n / a	n / a	-	n / a	19.4			
39	ToolKit	Fiscal	FB CRAC	FB CRAC	FB CRAC	FB CRAC	FB CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	SN CRAC	Slice	FB CRAC	SN CRAC	Ave. FB	SN CRAC	FB CRAC
40	Year	Year	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	Accesses	Ave/ea.	Ave/Yr	Ann.Lim.	Tot.Lim.	LB CRAC	Freqncy	Freqncy	+ SN	Std Dev.	Std Dev.
41	0.0	0.0	0	n / a	0.0	0	0	0		0.0	0	0						
42	2	2002	0	n / a	0.0	0	0	0		0.0	0	0						
43	3	2003	3000	0.0	0.0	3000	0	0		0.0	0	0						
44	4	2004	2999	100.5	100.4	2998	0	2980	289.7	287.8	0	0		100%	99%	388.2	8.4%	0%
45	5	2005	2966	98.5	97.4	2819	0	2999	476.4	476.3	1148	0		99%	100%	573.7	9.5%	2%
46	6	2006	1809	87.6	52.8	879	0	2919	361.2	351.5	396	0		60%	97%	404.3	12.8%	6%
47	5 -yr Total		10774		250.7	9696	0	8898		1115.5	1544	0		3-Yr. Ave.	3-Yr. Ave.	1366.2	3-Yr. Ave.	3-Yr. Ave.
48	5 -yr Ave.		2154.8	69.8	50.1	1939.2		1779.6	376.1	223.1	308.8		0%	86%	99%		10.2%	2.5%
49	ToolKit	Fiscal	PBL	TBL	Risk IP	No. of	Ave. DvD.	Ave. DvD.	Interest	FCCF	FCCF	4h10C	Non-Slice Impacts of LB, FB & SN CRACs and DDC					
50	Year	Year	Inputs	Inputs	Totals	DivDists	per DvD.	per Year	Credit	Credit	Use %	Credit	LB C	FB C	SN C	FB+LB+SN	DDC	Net
51	0.0	0.0	0.0	0.0	0.0				0.0	n / a	n / a	n / a						
52	2	2002	-390.0	72.6	-317.4				23.0	n / a	n / a	n / a	43%			43%		43%
53	3	2003	-194.2	25.4	-168.9	0		0.0	6.5	n / a	n / a	n / a	36%	11%		47%	0%	47%
54	4	2004	-231.6	-19.2	-250.8	0		0.0	10.7	n / a	n / a	n / a	31%	11%	25.2%	67%	0%	67%
55	5	2005	-226.6	6.2	-220.3	0		0.0	20.4	n / a	n / a	n / a	30%	11%	41.5%	83%	0%	83%
56	6	2006	-226.9	5.8	-221.1	1	27.7	0.0	26.3	n / a	n / a	n / a	30%	6%	30.4%	66%	0%	66%
57	5 -yr Total		-1269.2	90.8	-1178.4	1		0.0	86.8	n / a	n / a	n / a						
58	5 -yr Ave.		-253.8	18.2	-235.7	0.2	27.7	0.0	17.4	n / a	n / a	n / a	34%	10%	32.4%	61%	0%	61%