

A Combination Cash Balance Proposal For

Sample Corporation

Prepared By Manny Garcia EBG Systems 09/13/2017

Understanding Cash Balance Plans

What is a Cash Balance Plan?

A Cash Balance Plan is a Defined Benefit Plan that looks like a Money Purchase Plan.

Like a Money Purchase Plan, fixed contributions are credited to each participant at the end of each year.

In addition, participants receive interest credits based on the interest rate defined in the plan. The credit is a fixed rate specified in the plan. Increases or decreases in the value of the plan's investments do not directly affect the benefits promised to the participants. The investment risks and rewards are borne solely by the employer.

The plan maintains a hypothetical account balance for each participant. When the participant retires, his benefit is the value of the hypothetical account. This lump sum value can be converted to a monthly pension at retirement.

A Cash Balance plan is a Hybrid Plan. It appears to participants as a Defined Contribution Plan but is treated under the Internal Revenue Code as a Defined Benefit Plan. Participant statements look like a Defined Contribution Statement. It includes:

Beginning Balance Contribution Credits Interest Credits Ending Balance

Can a Cash Balance Plan be combined with a 401(k) Profit Sharing Plan?

To produce larger contributions, especially for Principals and Owners, Cash Balance Plans are usually combined with401(k)/Profit Sharing Plans. The 401 (k) and Profit Sharing component can also provide flexibility in the combined plan. How are investments in a Cash Balance plan managed?

Assets in the plan are not allocated to participants. Participants cannot direct the investments. The pooled fund is invested by the Trustees and Investment Advisers.

Gains (losses) from investments reduce (Increase) the Plan Sponsor's contribution.

Since interest credit guarantees cannot exceed market rate of return, assets may be invested conservatively.

What are the other features of the Cash Balance Plan?

When a participant becomes entitled to receive benefits under a cash balance plan, the benefits are defined in terms of an account balance. For example, assume that a participant has an account balance of \$100,000 when he reaches age 62. If the participant decides to retire at that time, he would have the right to an annuity based on his account balance. Such an annuity might be approximately \$10,000 per year for life. In many cash balance plans, however, the participant could instead choose (with consent from his spouse) to take a lump sum benefit equal to the \$100,000 account balance.

In addition to generally permitting participants to take their benefits as lump sum benefit at retirement, cash balance plans often permit vested participants to choose (with consent from their spouses) to receive their accrued benefits in lump sums if they terminate employment prior to retirement age. Traditional defined benefit pension plans do not offer this feature as frequently.

If a participant receives a lump sum distribution, that distribution generally can be rolled over into an Individual Retirement Account (IRA) or to another employer's plan if that plan accepts rollovers. This makes Cash Balance plans portable, therefore appealing to participants.

PLAN PROVISIONS SAMPLE CORPORATION A Combination 401(k)/ Profit Sharing/ Cash Balance Plan For the Plan Year 01/01/2016 - 12/31/2016

DATES	Effective - 1/1/2016	Valuation - 12/31/2016 Eligibility - 1/1/2016
ELIGIBILITY	Minimum Age:	21
	Minimum Service:	12 Months
	Plan Entry:	Semi-Annual
NORMAL RETIREMENT AGE	First of Month coincid	dent with or following attainment of age 65 and completion of 5 years of participation.
RETIREMENT BENEFIT	Accumulation of Cas	h Balance + 401(k) + Profit Sharing Account
CASH BALANCE - Interest Credi	t 5.00% per year	
- Pay Credit	. Made at the End of the	he plan year

	Class	Percenta	ge	Amoun	nt	Description	
	A	Maximum	415			Owner HCEs	
	В	2.0	00%			Non HCEs	
	С	5.0	00%			Non-Owner H	CEs
Vesting Schedule		Year		1		2	3
		Vesting %		0		0	100
MAXIMUM 401(a)(17) COMPENSATION	\$ 265,000.	00					
415 Dollar Limit	\$ 17,500.0	0 per month					
NORMAL FORM	Life Annuit	у					
ACTUARIAL EQUIVALENCE	PRE-RETI	REMENT :	Intere	st Rate -	5.00%	per year	
			Morta	lity Table -	None		
	POST-RET	FIREMENT :	Intere	st Rate -	5.00%	per year	
			Morta	lity Table -	1994 (Group Annuity	Reserving Unisex Proj to 2002
TESTING ASSUMPTION	PRE-RETI	REMENT :	Intere	st Rate -	8.50%	per year	
	POST-RET	FIREMENT :	Morta	lity Table -	1984	Unisex	
			Intere	st Rate -	8.50%	per year	
TESTING AGE	65						

EMPLOYEE CENSUS LISTING REPORT SAMPLE CORPORATION

For the Plan Year 01/01/2016 - 12/31/2016

Р	0	н	Last Name	First Name	Birth Date	Hire Date	Part Date	AA	RA	Sex	Considered Earnings	% Owned	Status
*	*	*	EMPLOYEE	OWNER	01/01/1958	01/01/2010	01/01/2016	59		М	265,000		Active
*		*	SPOUSE	OWNER	01/01/1960	01/01/2010	01/01/2016	57	65	F	30,000	0	Active
			EMPLOYEE	FIRST	01/01/1990	01/01/2014	01/01/2016	27	65	М	52,000	0	Active
			EMPLOYEE	SECOND	01/01/1982	01/01/2014	01/01/2016	35	65	F	63,000	0	Active
			EMPLOYEE	THIRD	01/01/1975	01/01/2014	01/01/2016	42	65	М	81,000	0	Active

	PERSONS	EARNINGS
ACTIVE	5	491,000
INELIGIBLE	0	0
TOTAL		491,000
CONSIDERED EARNINGS		491,000

Legend: P- Principal, O- Owner, H- Highly Compensated Employee

SAMPLE CORPORATION A Combination 401(k)/ Profit Sharing/ Cash Balance Plan For the Plan Year 01/01/2016 - 12/31/2016 CONTRIBUTION REPORT - DETAIL

						·								Total Contribution				
							Considered	Cash Balar	nce	401(k)	Safe	Profit Shari	ing			Employer		% of
Р	ОН	l Class	Last Name	First Name	AA	RA	Earnings	Amount	%	Deferral	Harbor	Amount	%	Amount	%	Cost	%	Total
*	* *	А	EMPLOYEE	OWNER	59	65	265,000	225,300	85.0	24,000	7,950	27,050	10.2	284,300	107.3	284,300	107.3	93.2
*	*	С	SPOUSE	OWNER	57	65	30,000	1,500	5.0	24,000	900	600	2.0	27,000	90.0	3,000	10.0	1.0
		В	EMPLOYEE	FIRST	27	65	52,000	1,040	2.0	1,040	1,560	2,075	4.0	5,715	11.0	4,675	9.0	1.5
		В	EMPLOYEE	SECOND	35	65	63,000	1,260	2.0	1,260	1,890	2,514	4.0	6,924	11.0	5,664	9.0	1.9
		В	EMPLOYEE	THIRD	42	65	81,000	1,620	2.0	1,620	2,430	3,232	4.0	8,902	11.0	7,282	9.0	2.4

Legend: P- Principal, O- Owner, H- Highly Compensated Employee

CONTRIBUTION REPORT - SUMMARY

									Total	Contribution		
	Considered	Cash Balar	nce	401(k)	Safe	Profit Shar	ing			Employer		% of
	Earnings	Amount	%	Deferral	Harbor	Amount	%	Amount	%	Cost	%	Total
Principals	295,000	226,800	76.9	48,000	8,850	27,650	9.4	311,300	105.5	287,300	97.4	94.2
Non-Principals	196,000	3,920	2.0	3,920	5,880	7,820	4.0	21,540	11.0	17,620	9.0	5.8
Grand Total	491,000	230,720	47.0	51,920	14,730	35,470	7.2	332,841	67.8	304,921	62.1	100.0

SAMPLE CORPORATION A Combination 401(k)/ Profit Sharing/ Cash Balance Plan For the Plan Year 01/01/2016 - 12/31/2016 CONTRIBUTION SUMMARY REPORT (CHART)

	Principal (%)	Non-Principal	Non-Principal (%)	Cash Balance	401(k) Deferral	401(m) Match	Safe Harbor	Profit Sharing
287,300	0 94.22	17,620	5.78	230,720.45	51,920.00	0.00	14,730.00	35,470.40
	Principal / Non-	Principal Source			С	contribution Sour	се	
Principa	al \$287,300	Non-Princip	pal \$17,620	Cash Balance \$230,7	720.45		401(n Safe	Deferral\$51,920.00 n) Match \$0.00 Harbor \$14,730.00 it Sharing \$35,470.40
						Total - Cash Balance		

SAMPLE CORPORATION A Combination 401(k)/ Profit Sharing/ Cash Balance Plan For the Plan Year 01/01/2016 - 12/31/2016 CASH BALANCE TAX SUMMARY REPORT

Assumed Tax Brackets	15%	34%
Employer Contribution	280,921	280,921
Estimated Tax Savings	42,138	95,513
Net Cost After Estimated Tax Savings	238,783	185,408
Contribution For Principals	263,300	263,300
Principal Contribution As A Percentage Of Net Cost	110.27%	142.01%
Net Cost Of Plan (After Principal Contribution And Tax Savings)	-24,518	-77,893

TARGET NORMAL COST REPORT SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

For the Plan Year 01/01/2016 - 12/31/2016

										Cash Balance	
Р	0	н	Employee Name	Class	Sex	AA	RA	Considered Earnings	Amount	Accrued Benefit	Target Normal Cost
*	*	*	OWNER EMPLOYEE	А	Μ	59	65	265,000	225,300	1,750.00	175,494.00
*		*	OWNER SPOUSE	С	F	57	65	30,000	1,500	15.66	1,400.04
			FIRST EMPLOYEE	В	М	27	65	52,000	1,040	46.92	575.03
			SECOND EMPLOYEE	В	F	35	65	63,000	1,260	38.48	789.32
			THIRD EMPLOYEE	В	М	42	65	81,000	1,620	35.16	1,131.87
			TOTALS					491,000.00	230,720.45	1,886.22	179,390.26

MINIMUM PARTICIPATION TEST REPORT

SAMPLE CORPORATION

For the Plan Year 01/01/2016 - 12/31/2016

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

Seq.				Considered	Cash	Accrued	Accrual
No.	Name	AA	RA	Earnings	Balance	Benefit	Rate (%)
1	OWNER EMPLOYEE	59	65	265,000	225,300	2,133.29	9.6602
2	FIRST EMPLOYEE	27	65	52,000	1,040	46.92	1.0828
3	SECOND EMPLOYEE	35	65	63,000	1,260	38.48	0.7329
4	OWNER SPOUSE	57	65	30,000	1,500	15.66	0.6263
5	THIRD EMPLOYEE	42	65	81,000	1,620	35.16	0.5209
	TOTALS	•	•	491,000	230,720		

Plan Passes Minimum Participation Test

1. Total Non-excludable employees:	5
2. 40% of Total Non-excludable employees (minimum of 2) must benefit (not to exceed 50)	2
3. Total Benefiting (those with Accrual Rates greater than or equal to 0.5%)	5

AVERAGE BENEFIT PERCENTAGE TEST SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

Valuation Date - End of Year 01/01/2016 - 12/31/2016

					Considered	401(k) +	Profit	Accum		Equiv.	Cash Bal.	Aggreg.	
Last Name	First Name	AA	RA	FS	Earnings	3%SH	Sharing	Factor	APR	Benefit	Accr Ben	DB/DC	EBAR
NON-HIGHLY COMPENSATED EMPLOYEES													
EMPLOYEE	THIRD	42	65	23	81,000	4,050	3,232	6.5296	95.3851	498.48	35.16	533.64	7.91%
EMPLOYEE	SECOND	35	65	30	63,000	3,150	2,514	11.5583	95.3851	686.30	38.48	724.77	13.81%
EMPLOYEE	FIRST	27	65	38	52,000	2,600	2,075	22.1988	95.3851	1,087.96	46.92	1,134.88	26.19%
											TOTAL		47.91%
											A. AVERAGE	:	15.97%
					HIGHL		NSATED	EMPLOY	EES				
EMPLOYEE	OWNER	59	65	6	265,000	25,950	27,050	1.6315	95.3851	906.51	2,133.28	3,039.79	13.77%
SPOUSE	OWNER	57	65	8	30,000	18,900	600	1.9206	95.3851	392.64	15.66	408.30	16.33%
											TOTAL		30.10%
											B. AVERAGE		15.05%

106.11%

(A) / (B) X 100 AVERAGE BENEFIT PERCENTAGE TEST

At least 70%. Therefore Average Benefit Percentage Test Passed.

MINIMUM ALLOCATION GATEWAY SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

For the Plan Year 01/01/2016 - 12/31/2016

			Cash Balance					Profit Sharing				Aggrega	ate			
				Considered			Accrued	Equivalent		3% Safe				Equiv.		
РОН	Emp Name	AA	RA	Earnings	Amount	%	Benefit	Allocation	EBAR	Harbor	Amount	Total	EBAR	Allocation	EBAR	
					Н	IGHLY	COMPENSA		EES							
* * OWNE EMPLO		59	65	265,000	225,300	85.0	2,133.28	124,724	47.07%	7,950	27,050	35,000	13.21%	159,724	60.27%	
* OWNE SPOUS		57	65	30,000	1,500	5.0	15.66	778	2.59%	900	600	1,500	5.00%	2,278	7.59%	
											Highest HCE	DB/DC Aggre	gate Allo	cation Rate	60.27%	
											Minimum NHC	CE DB/DC All	ocation R	ate	7.50%	
					NOM	I-HIGHL		ISATED EMPLO	OYEES							
FIRST EMPLO	DYEE	27	65	52,000	1,040	2.0	46.92	202	0.39%	1,560	2,075	3,635	6.99%	3,836	7.50%	
SECO EMPLO		35	65	63,000	1,260	2.0	38.48	318	0.50%	1,890	2,514	4,404	6.99%	4,721	7.50%	
THIRD EMPLO		42	65	81,000	1,620	2.0	35.16	514	0.63%	2,430	3,232	5,662	6.99%	6,175	7.50%	
				Average NHC	E DB Equival	ent Allo	cation Rate	•	0.51%		Lowest NHCE	DB/DC Alloc	ation Rat	e	7.50%	
										The minimum allocation Gateway Passed						
Legend: P- P	rincipal, O- Owner, H-	Highly Co	mpens	sated Employee	9					* Non-bene	fiting are not s	ubject to minir	num gate	way.		

NORMAL ACCRUAL RATE FOR RATE GROUP TESTING

SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

For the Plan Year 01/01/2016 - 12/31/2016

								Cash Ba	lance	Profit Sharing			Aggregate		
							Considered		Accrued	3% Safe			Equiv		
Р	0	н	Class	s Name	AA	RA	Earnings	Amount	Benefit	Harbor	Amount	Total	Accrual	Accrual	EBAR
	NON-HIGHLY COMPENSATED EMPLOYEES														
			В	FIRST EMPLOYEE	27	65	52,000	1,040	46.92	1,560	2,075	3,635	845.92	892.84	20.60
			В	SECOND EMPLOYEE	35	65	63,000	1,260	38.48	1,890	2,514	4,404	533.62	572.09	10.90
			В	THIRD EMPLOYEE	42	65	81,000	1,620	35.16	2,430	3,232	5,662	387.58	422.74	6.26
	HIGHLY COMPENSATED EMPLOYEES														
*	*	*	А	OWNER EMPLOYEE	59	65	265,000	225,300	2,133.28	7,950	27,050	35,000	598.64	2,731.92	12.37
*		*	С	OWNER SPOUSE	57	65	30,000	1,500	15.66	900	600	1,500	30.20	45.86	1.83

MOST VALUABLE ACCRUAL RATE FOR RATE GROUP TESTING

SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

For the Plan Year 01/01/2016 - 12/31/2016

						CASH BALANCE							PROFIT SHARING				AGGREGATE	
P O H Cla	ass Nam	ie AA	RA	Earnings	Accrued Benefit	APR @RA	Present Value	Plan J&S	401a4 J&S	Lump Sum @TA	APR @TA	Norm. Accr.	3% Safe Harbor	Amount	Total	Norm. Accr.	Aggr. Accr.	EBAR
HIGHLY COMPENSATED EMPLOYEES																		
* * * A	A OWNER EMPLOYEE	59	65	265,000	2,133.28	141.53	225,300	173.84	116.07	245,412	95.39	2,572.85	7,950	27,050	35,000	598.64	3,171.49	14.36%
* * 0	OWNER SPOUSE	57	65	30,000	15.66	141.53	1,500	179.71	119.34	1,913	95.39	20.06	900	600	1,500	30.20	50.26	2.01%
						NON	-HIGHLY	COMF	PENSA		PLOYE	ES						
E	B FIRST EMPLOYEE	27	65	52,000	46.92	141.53	1,040	229.21	143.47	14,451	95.39	151.50	1,560	2,075	3,635	845.92	997.43	23.02%
E	B SECOND EMPLOYEE	35	65	63,000	38.48	141.53	1,260	221.64	140.55	9,235	95.39	96.82	1,890	2,514	4,404	533.62	630.44	12.01%

B THIRD 42 65 81,000 35.16 141.53 1,620 212.28 136.31 6,792 95.39 71.21 2,430 3,232 5,662 387.58 458.79 6.80% EMPLOYEE

RATE GROUP TEST REPORT

SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

Non Discrimination Test Result

Rate Group Test Passed.

Average Benefit Percentage Test	Pass
NHCE Concentration Percentage	60.00
Safe Harbor Percentage	50.00
UnSafe Percentage	40.00
Mid-Point Percentage	45.00
Total NHCEs in Plan	3
Total HCEs in Plan	2

EBAR NHCEs/HCEs NHCEs HCEs Rate HCE MVAL % Emp Name Age Earnings Normal Group Ratio Ratio % Ratio Result FIRST EMPLOYEE 27 52,000 20.60 23.02 OWNER EMPLOYEE * 59 265,000 12.37 14.36 1/3 33.33 1/2 50.00 66.67 Pass 1 SECOND EMPLOYEE 35 63,000 10.90 12.01 THIRD EMPLOYEE 42 81,000 6.26 6.80 OWNER SPOUSE 57 30,000 1.83 2.01 100.00 100.00 * 2 3/3 100.00 2/2 Pass

MAXIMUM CASH BALANCE CONTRIBUTION

SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

For the Plan Year 01/01/2016 - 12/31/2016

					Considered	415 Monthly		mum bution
Ρ	0	Н	Participant	AA	Earnings	Limit	Amount	%
*	*	*	OWNER EMPLOYEE	59	265,000	1,416.89	225,300	85.02%
			FIRST EMPLOYEE	27	52,000	214.26	45,168	86.86%
			SECOND EMPLOYEE	35	63,000	329.50	67,237	106.73%
			THIRD EMPLOYEE	42	81,000	488.13	95,513	117.92%
*		*	OWNER SPOUSE	57	30,000	1,236.19	203,600	678.67%

NON-DISCRIMINATION TESTING RESULT

SAMPLE CORPORATION

A Combination 401(k)/ Profit Sharing/ Cash Balance Plan

Valuation Date - End of Year 01/01/2016 - 12/31/2016

Minimum Participation (401(a)(26)								
Average Benefit Percentage Test (410(b)-5(a))								
Minimum Allocation Gateway								
 Rate Group Test (401(a)(4)) * Plan is PBGC Covered. The Combined Plan Limit ((404)(a)(7)) test is not applicable 								
Combined Plan Limit ((404)(a)(7))	N/A							
1. DC Plan Employer Contribution 10.2247								
2. Total Employer Contribution 57.214								

PROJECTION SUMMARY REPORT SAMPLE CORPORATION

For the Plan Year 01/01/2016 - 12/31/2016

											Lump Sum at NRA					
P	0	н	Class	Last Name	First Name	AA	RA	Considered Earnings	Annual Cash Balance Contribution	Annual Defined Contribution	Cash Balance		Defined Contribution	Combined Total		
*	*	*	А	EMPLOYEE	OWNER	59	65	265,000	225,300	59,000	1,834,393	*	480,378	2,314,771		
*		*	С	SPOUSE	OWNER	57	65	30,000	1,500	25,500	16,540		281,178	297,718		
			В	EMPLOYEE	FIRST	27	65	52,000	1,040	4,675	118,659		533,394	652,053		
			В	EMPLOYEE	SECOND	35	65	63,000	1,260	5,664	89,159		400,789	489,948		
			В	EMPLOYEE	THIRD	42	65	81,000	1,620	7,282	72,093		324,064	396,157		

Legend: P- Principal, O- Owner, H- Highly Compensated Employee

* Will exceed 415 limit if contribution continues to NRA. See below for a reduced contribution option or view the Individual Projection Report for more details.

REDUCED CONTRIBUTION OPTIONS

Last Name	First Name	AA	RA	Considered Earnings	Annual Cash Balance Contribution	Cash Balance Lump Sum	415 Maximum Lump Sum	Reduced Cash Balance Contribution *
EMPLOYEE	OWNER	59	65	265,000	225,300	1,834,393	1,715,245	210,666