

Table 1: Revenue Net Short Calculation as of November 2013
 Net Short Calculation Using RRE Based Retail Sales Forecast in Near Term (2013 - 2017) and LTP Methodology (2018 - 2033) **

Line #	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	14,882	14,501	17,441	22,011	23,748	24,076	25,307	23,775	23,775	22,457	20,371	20,048	19,782	19,564	19,043	18,805	18,665	17,989		
3	19,876	19,076	(740)			32,276	31,776	31,076	30,176	29,476	28,776	28,076	27,376	26,676	25,976	25,276	24,576	23,876	23,176	22,476
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	16,885	20,885	22,885	22,885	20,612	17,443	17,443	17,443	17,443	17,443	17,443	17,443	17,443	17,443	17,443
11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
12	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.5%	0.4%	0.4%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Current Expected Need Scenario (Optimistic Retail)

Line #	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	46,767				69,805			56,511		22,704	20,371	20,048	19,782	19,564	19,043	18,716	18,400	17,866	17,469	
15							31,276			28,476	28,076	27,676	27,276	26,876	26,476	26,076	25,676	25,276	24,876	24,476
16								119		(2,743)	(5,127)	(5,501)	(5,885)	(6,269)	(6,653)	(7,037)	(7,421)	(7,805)	(8,189)	(8,573)
17								(3,253)		0	0	0	0	0	0	0	0	0	0	0
18								119		2,743	5,127	5,501	5,885	6,269	6,653	7,037	7,421	7,805	8,189	8,573
19								0		0	0	0	0	0	0	0	0	0	0	0
20								0		0	0	0	0	0	0	0	0	0	0	0
21								30,076		33,076	33,076	33,076	33,076	33,076	33,076	33,076	33,076	33,076	33,076	33,076
22						16,885		20,612		17,443	17,443	17,443	17,443	17,443	17,443	17,443	17,443	17,443	17,443	17,443
23						0%		0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
24						0%		0.3%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Net RRE Based Retail Sales (2011-2030) (GH)

* Assumptions targets are 2011-2013 (2011-2013) 2014 (2014) 2015 (2015) 2016 (2016) 2017 (2017) 2018 (2018) 2019 (2019) 2020 (2020) 2021 (2021) 2022 (2022) 2023 (2023) 2024 (2024) 2025 (2025) 2026 (2026) 2027 (2027) 2028 (2028) 2029 (2029) 2030 (2030)
 ** The 2011-2013 targets are based on the 2011-2013 targets, the 2014-2015 targets are based on the 2014-2015 targets, the 2016-2017 targets are based on the 2016-2017 targets, the 2018-2019 targets are based on the 2018-2019 targets, the 2020-2021 targets are based on the 2020-2021 targets, the 2022-2023 targets are based on the 2022-2023 targets, the 2024-2025 targets are based on the 2024-2025 targets, the 2026-2027 targets are based on the 2026-2027 targets, the 2028-2029 targets are based on the 2028-2029 targets, the 2030 target is based on the 2030 target.
 *** RRE is the ratio of retail sales to the total population.

Table 2: Alternative Revenue Net Short Calculations of November 2013

Net Short Calculations Using RBE Based Retail Sales Forecast

Line #		Z01	Z02	Z03	Z04	Z05	Z06	Z07	Z08	Z09	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20
1	RBE Target	20.0%	20.0%	20.0%	21.7%	23.3%	25.0%	27%	29%	31%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
2	Margin of Over-Forecast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Aggregate Values (GM)	14,633	14,511	17,424	17,424	23,718	24,076	25,377	24,233	23,773	23,167	22,704	21,371	21,008	19,008	18,760	18,008	17,985	18,760	187,985	17,985
4	Annual Residual (%)	19.8%	19.7%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%
5	Gross Shrink (Basis)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)
6	Non-Bankable Values (GM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Values (Banked) or With draw from Bank (GM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Net Shrink (Basis)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)
9	Net Annual Residuals (%) With Use of Bank	19.8%	19.7%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%
10	Cumulative Banked Values (GM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Forecast Failure Rate (%) for New Regions in y4 only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
12	Forecast Failure Rate (%) for Existing Generation	0.0%	0.0%	0.0%	0.1%	0.7%	0.5%	0.5%	0.4%	0.4%	0.3%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Current Expected Need Scenario (Current Retail)

Line #		Z01	Z02	Z03	Z04	Z05	Z06	Z07	Z08	Z09	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20
13	Aggregate Retail Requirement	20.0%	20.0%	20.0%	23.3%	25.0%	27%	29%	31%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
14	Margin of Over-Forecast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Aggregate Values (GM)	46,787	46,787	46,787	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805	63,805
16	Annual Residual (%)	19.8%	19.7%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%
17	Gross Shrink (Basis)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)
18	Non-Bankable Values (GM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Values (Banked) or With draw from Bank (GM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Net Shrink (Basis)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)
21	Net Annual Residuals (%)	19.8%	19.7%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%	19.8%
22	Cumulative Banked Values (GM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Forecast Failure Rate (%) for New Regions in y4 only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
24	Forecast Failure Rate (%) for Existing Generation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Net Annual Residuals (Z01-Z20) (GM)

* Aggregate Values are Z01 - Z06 (Z07-Z10) and Z11-Z20 (Z11-Z20) are all values in the forecast period.
 ** RBE is the aggregate of retail sales in the forecast period. It is the sum of retail sales in the forecast period.