

Appendix C2: Renewable Net Short Calculation Net Short Calculation Using PG&E Bundled Retail Sales Forecast

Line #	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	(Redacted)																			
2	Voluntary Margin of Over-Procurement (GWh)																			
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	14,473	14,576	18,548	21,930	24,435	24,752	25,075	23,444	22,715	22,088	21,640	19,313	18,987	18,722	18,596	17,981	17,635	17,531	16,948	16,887
5	19.3%					32.0%	32.2%	30.0%	28.9%	27.8%	27.0%	23.9%	23.3%	22.7%	22.4%	21.4%	20.9%	20.5%	19.8%	19.5%
6	Gross Surplus/(Deficit) compared to Annual Targets* (GWh)																			
7	(500)					5,413	4,076	752	(1,684)	(4,122)	(4,781)	(7,356)	(7,924)	(8,447)	(8,808)	(9,684)	(10,270)	(10,627)	(11,339)	(11,621)
8	Volumes (Banked) or Withdrawn from Bank																			
9	0					(5,413)	(4,076)	(752)	1,684	4,122	4,781	7,356	6,732	0	0	0	0	0	0	0
10	Net Surplus/(Deficit) (GWh)																			
11	(500)					0	0	0	0	0	0	0	(1,193)	(8,447)	(8,808)	(9,684)	(10,270)	(10,627)	(11,339)	(11,621)
12	Net Annual RPS Positions (%) with Use of Bank																			
13	19.3%					25.0%	27.0%	29.0%	31.0%	33.0%	33.0%	33.0%	31.5%	22.7%	22.4%	21.4%	20.9%	20.5%	19.8%	19.5%
14	Cumulative Banked Volumes (GWh)																			
15	0				14,434	19,847	23,922	24,674	22,991	18,869	14,088	6,732	0	0	0	0	0	0	0	0
16	Forecast Failure Rate (%) for New Projects not yet online																			
17	0.0%	0.0%	0.0%	1.0%	4.0%	13.2%	20.4%	20.0%	20.1%	19.8%	19.9%	19.9%	20.0%	20.1%	20.1%	20.2%	20.2%	20.4%	20.4%	20.4%
18	Forecast Failure Rate (%) for Existing Generation																			
19	0.0%	1.8%	2.3%	1.6%	0.7%	0.6%	0.6%	0.5%	0.4%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Current Expected Need Scenario (Compliance Period)

Line #	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
12	(Redacted)																			
13	Voluntary Margin of Over-Procurement (GWh)																			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Aggregate Volumes (GWh)																			
16	47,596				71,117			93,321		21,640	19,313	18,987	18,722	18,596	17,981	17,635	17,531	16,948	16,887	
17	RPS Position (%)																			
18	(Redacted)				(Redacted)			29.7%		27.0%	23.9%	23.3%	22.7%	22.4%	21.4%	20.9%	20.5%	19.8%	19.5%	
19	Gross Surplus/(Deficit) (GWh)																			
20								(978)		(4,781)	(7,356)	(7,924)	(8,447)	(8,808)	(9,684)	(10,270)	(10,627)	(11,339)	(11,621)	
21	Volumes (Banked) or Withdrawn from Bank (GWh)																			
22								978		4,781	7,356	6,732	0	0	0	0	0	0	0	0
23	Net Surplus/(Deficit) (GWh)																			
24								0		0	0	(1,193)	(8,447)	(8,808)	(9,684)	(10,270)	(10,627)	(11,339)	(11,621)	
25	Net RPS Positions (%)																			
26								30.0%		33.0%	33.0%	33.0%	31.5%	22.7%	22.4%	21.4%	20.9%	20.5%	19.8%	19.5%
27	Cumulative Banked Volumes (GWh)																			
28	(Redacted)				19,847			18,869		14,088	6,732	0	0	0	0	0	0	0	0	0
29	Forecast Failure Rate (%) for New Projects not yet online																			
30		0.0%			6.1%			20.1%		19.9%	19.9%	20.0%	20.1%	20.1%	20.2%	20.2%	20.4%	20.4%	20.4%	
31	Forecast Failure Rate (%) for Existing Generation																			
32		1.4%			1.0%			0.4%		0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
23	Total RPS Risk Adjusted Net Short (2011-2030) (GWh)																			
24	(71,988)																			

* Assumed annual targets are: 2011-2013 (20% annually), 2014 (21.7%), 2015 (23.3%), 2016 (25%), 2017 (27%), 2018 (29%), 2019 (31%), and 2020 (33%). These targets are illustrative only and not enforceable.