

Appendix 1A: Quantitative Information
Net Short Calculations Using PG&E Bundled Retail Sales Forecast

Current Expected Need Scenario (Annual)

Line #	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	[Redacted]																			
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11	[Redacted]																			

Current Expected Need Scenario (Compliance Period)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
12 Compliance Period Requirement	[Redacted]																			
13 Voluntary Margin of Over-Procurement (GWh)																				
14 Aggregate Volumes (GWh)																				
15 RPS Position (%)																				
16 Gross Surplus/(Deficit) (GWh)																				
17 Volumes (Banked) or Withdrawn from Bank (GWh)																				
18 Net Surplus/(Deficit) (GWh)																				
19 Net RPS Positions (%)																				
20 Cumulative Banked Volumes (GWh)																				
21 Forecast Failure Rate (%) for New Projects not yet online																				
22 Forecast Failure Rate (%) for Existing Generation																				
23 Total RPS Risk Adjusted Net Short (2011-2030) (GWh)	[Redacted]																			
	[Redacted]																			

Pessimistic (High Need) Scenario (Annual)

Line #	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
24 RPS Target	[Redacted]																			
25 Voluntary Margin of Over-Procurement (GWh)																				
26 Aggregate Volumes (GWh)																				
27 Annual RPS Position (%)																				
28 Gross Surplus/(Deficit) compared to Annual Targets* (GWh)																				
29 Volumes (Banked) or Withdrawn from Bank																				
30 Net Surplus/(Deficit) (GWh)																				
31 Net Annual RPS Positions (%) with Use of Bank																				
32 Cumulative Banked Volumes (GWh)																				
33 Forecast Failure Rate (%) for New Projects not yet online																				
34 Forecast Failure Rate (%) for Existing Generation																				

Pessimistic (High Need) Scenario (Compliance Period)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
35 Compliance Period Requirement	[Redacted]																			
36 Voluntary Margin of Over-Procurement (GWh)																				
37 Aggregate Volumes (GWh)																				
38 RPS Position (%)																				
39 Gross Surplus/(Deficit) (GWh)																				
40 Volumes (Banked) or Withdrawn from Bank (GWh)																				
41 Net Surplus/(Deficit) (GWh)																				
42 Net RPS Positions (%)																				
43 Cumulative Banked Volumes (GWh)																				

44	Forecast Failure Rate (%) for New Projects not yet online	
45	Forecast Failure Rate (%) for Existing Generation	

46	Total RPS Risk Adjusted Net Short (2011-2030) (GWh)	(Redacted)
		(Redacted)

Optimistic (Low Need) Scenario (Annual)

Line #		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
47	RPS Target	(Redacted)																				
48	Voluntary Margin of Over-Procurement (GWh)																					
49	Aggregate Volumes (GWh)																					
50	Annual RPS Position (%)																					
51	Gross Surplus/(Deficit) compared to Annual Targets* (GWh)																					
52	Volumes (Banked) or Withdrawn from Bank																					
53	Net Surplus/(Deficit) (GWh)																					
54	Net Annual RPS Positions (%) with Use of Bank																					
55	Cumulative Banked Volumes (GWh)																					
56	Forecast Failure Rate (%) for New Projects not yet online																					
57	Forecast Failure Rate (%) for Existing Generation																					

Optimistic (Low Need) Scenario (Compliance Period)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030		
58	Compliance Period Requirement	(Redacted)																				
59	Voluntary Margin of Over-Procurement (GWh)																					
60	Aggregate Volumes (GWh)																					
61	RPS Position (%)																					
62	Gross Surplus/(Deficit) (GWh)																					
63	Volumes (Banked) or Withdrawn from Bank (GWh)																					
64	Net Surplus/(Deficit) (GWh)																					
65	Net RPS Positions (%)																					
66	Cumulative Banked Volumes (GWh)																					
67	Forecast Failure Rate (%) for New Projects not yet online																					
68	Forecast Failure Rate (%) for Existing Generation																					

69	Total RPS Risk Adjusted Net Short (2011-2030) (GWh)	(Redacted)
		(Redacted)
		(Redacted)