

**SECTION V. HYPOTHETICAL QUOTA CALCULATIONS FOR PAST QUOTA REVIEWS
ACCORDING TO THE RELATIVE SIZE OF THE EQUIPROPORTIONAL
AND SELECTIVE ELEMENTS**

This section presents a summary table on simulated quota shares from the Sixth through the Eleventh Quota Reviews had the distribution of quota increases been consistently either fully equiproportional, fully selective, or evenly divided between the equiproportional and selective elements.

For this exercise, we use a constant sample of countries participating in the Sixth Review (121 members) plus China for the Seventh through the Eleventh Reviews, and take as given the size of the overall quota increases that were agreed. The simulation calculations are structured as follows: For the Seventh (initial) Review, in the fully equiproportional distribution scheme, the overall quota increase for the Seventh Review (50.9 percent) is applied to each member's actual (proposed) quotas under the Sixth Review to obtain the "fully equiproportional" quotas. In the fully selective distribution scheme, the overall percentage quota increase (50.9 percent) is first applied to the sum of the actual (proposed) quotas of the Sixth Review for the 122 members in the sample, and then distributed according to each member's calculated quota share in the total (Seventh Review) sample to obtain the "fully selective" quotas. The outcome of the evenly divided distribution scheme is generated as the average of the thus resulting "fully equiproportional" and "fully selective" quotas. For the Eighth through the Eleventh Reviews, the overall percentage increase in quotas for each review is applied in the same manner as described for the Seventh Review, except that calculations are based on quotas generated from the simulation of the previous review, instead of actual (proposed) quotas from the previous review.

The results indicate that if the distribution of past quota increases had been (1) fully equiproportional, the United States, the United Kingdom, India, and China would have ended up with higher quota shares under the Eleventh Review, while Japan, Germany, France, Italy, and Saudi Arabia would have ended up with lower quota shares; (2) fully selective, the reverse would have held true, except for the United States and the United Kingdom, which are marginally affected, and Saudi Arabia, which gains; and (3) evenly divided between the equiproportional and selective elements, the simulated quota shares under the Eleventh Review for the United States and the United Kingdom would be higher, while those for Saudi Arabia and Japan would be lower and for Germany would be unchanged, compared with the actual quota shares under the Eleventh Review.

Table V.1. Summary of Simulated Quota Shares
from Sixth Through Eleventh Reviews
(In percent of total)

Country	Initial (Actual) Quota from Sixth Review	Simulated Quota Eleventh Review			Actual Quota from Eleventh Review	Difference Between Actual and			Calculated Quota Shares fr Eleventh Review	Ratio of Simulated Quota Shares to Eleventh Review Calculated Quota Shares		
		Equi- proportional	Fully Selective	Evenly Divided		Equi- proportional	Fully Selective	Evenly Divided		Equi- proportional	Fully Selective	Evenly Divided
Algeria	0.725	0.725	0.561	0.643	0.655	-0.07	0.09	0.01	0.357	2.03	1.57	1.80
Argentina	1.361	1.361	0.812	1.087	1.105	-0.26	0.29	0.02	0.688	1.98	1.18	1.58
Australia	2.010	2.010	1.446	1.728	1.689	-0.32	0.24	-0.04	1.294	1.55	1.12	1.34
Austria	0.840	0.840	1.100	0.970	0.977	0.14	-0.12	0.01	1.376	0.61	0.80	0.70
Bahamas, The	0.084	0.084	0.052	0.068	0.068	-0.02	0.02	0.00	0.038	2.23	1.38	1.80
Bahrain	0.051	0.051	0.091	0.071	0.070	0.02	-0.02	0.00	0.116	0.44	0.78	0.61
Bangladesh	0.387	0.387	0.160	0.273	0.278	-0.11	0.12	0.00	0.096	4.05	1.67	2.86
Barbados	0.043	0.043	0.027	0.035	0.035	-0.01	0.01	0.00	0.024	1.82	1.15	1.49
Belgium & Luxembourg	2.344	2.344	2.697	2.520	2.548	0.20	-0.15	0.03	2.929	0.80	0.92	0.86
Benin	0.041	0.041	0.023	0.032	0.032	-0.01	0.01	0.00	0.014	2.81	1.56	2.19
Bolivia	0.115	0.115	0.060	0.087	0.089	-0.03	0.03	0.00	0.031	3.73	1.97	2.85
Botswana	0.023	0.023	0.044	0.034	0.033	0.01	-0.01	0.00	0.071	0.32	0.63	0.48
Brazil	1.692	1.692	1.590	1.641	1.584	-0.11	-0.01	-0.06	1.476	1.15	1.08	1.11
Burkina Faso	0.041	0.041	0.020	0.031	0.031	-0.01	0.01	0.00	0.013	3.21	1.61	2.41
Burundi	0.059	0.059	0.018	0.038	0.040	-0.02	0.02	0.00	0.006	9.71	3.04	6.38
Cameroon	0.115	0.115	0.078	0.096	0.097	-0.02	0.02	0.00	0.056	2.03	1.38	1.71
Canada	3.453	3.453	3.387	3.420	3.323	-0.13	-0.06	-0.10	3.520	0.98	0.96	0.97
Central African Republic	0.041	0.041	0.015	0.028	0.029	-0.01	0.01	0.00	0.007	5.80	2.17	3.98
Chad	0.041	0.041	0.016	0.028	0.029	-0.01	0.01	0.00	0.008	4.89	1.91	3.40
Chile	0.552	0.552	0.342	0.447	0.447	-0.11	0.11	0.00	0.276	2.00	1.24	1.62
China	3.053	3.053	1.918	2.486	2.445	-0.61	0.53	-0.04	1.785	1.71	1.07	1.39
Colombia	0.491	0.491	0.314	0.402	0.404	-0.09	0.09	0.00	0.261	1.88	1.20	1.54
Congo, Dem. Republic of	0.387	0.387	0.157	0.272	0.278	-0.11	0.12	0.01	0.059	6.51	2.64	4.57
Congo, Republic of	0.043	0.043	0.045	0.044	0.044	0.00	0.00	0.00	0.045	0.96	1.00	0.98
Costa Rica	0.104	0.104	0.067	0.086	0.086	-0.02	0.02	0.00	0.056	1.87	1.20	1.53
Cote d'Ivoire	0.193	0.193	0.133	0.163	0.170	-0.02	0.04	0.01	0.075	2.58	1.78	2.18
Cyprus	0.087	0.087	0.063	0.075	0.073	-0.01	0.01	0.00	0.065	1.33	0.96	1.14
Denmark	0.789	0.789	0.920	0.854	0.857	0.07	-0.06	0.00	1.076	0.73	0.85	0.79
Dominican Republic	0.140	0.140	0.089	0.114	0.114	-0.03	0.03	0.00	0.073	1.92	1.22	1.57
Ecuador	0.178	0.178	0.137	0.158	0.158	-0.02	0.02	0.00	0.102	1.74	1.34	1.54
Egypt	0.580	0.580	0.422	0.501	0.492	-0.09	0.07	-0.01	0.406	1.43	1.04	1.24
El Salvador	0.109	0.109	0.064	0.087	0.089	-0.02	0.03	0.00	0.038	2.88	1.68	2.28
Equatorial Guinea	0.025	0.025	0.007	0.016	0.017	-0.01	0.01	0.00	0.002	15.82	4.52	10.17
Ethiopia	0.092	0.092	0.046	0.069	0.070	-0.02	0.02	0.00	0.026	3.52	1.78	2.65
Fiji	0.046	0.046	0.027	0.037	0.037	-0.01	0.01	0.00	0.022	2.11	1.26	1.69
Finland	0.667	0.667	0.659	0.663	0.659	-0.01	0.00	0.00	0.684	0.98	0.96	0.97
France	4.883	4.883	5.594	5.238	5.603	0.72	0.01	0.36	6.008	0.81	0.93	0.87
Gabon	0.076	0.076	0.086	0.081	0.081	0.00	-0.01	0.00	0.076	1.01	1.13	1.07
Gambia, The	0.023	0.023	0.009	0.016	0.016	-0.01	0.01	0.00	0.006	3.98	1.55	2.77
Germany	5.486	5.486	8.069	6.778	6.787	1.30	-1.28	0.01	9.698	0.57	0.83	0.70
Ghana	0.270	0.270	0.100	0.185	0.193	-0.08	0.09	0.01	0.031	8.79	3.27	6.03
Greece	0.471	0.471	0.419	0.445	0.429	-0.04	0.01	-0.02	0.413	1.14	1.01	1.08
Grenada	0.008	0.008	0.004	0.006	0.006	0.00	0.00	0.00	0.003	2.33	1.15	1.74
Guatemala	0.130	0.130	0.084	0.107	0.110	-0.02	0.03	0.00	0.051	2.53	1.64	2.08
Guinea	0.076	0.076	0.033	0.055	0.056	-0.02	0.02	0.00	0.021	3.69	1.58	2.64

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		Equi- proportional	Fully Selective	Evenly Divided		Equi- proportional	Fully Selective	Evenly Divided		Equi- proportional	Fully Selective	Evenly Divided
Guyana	0.064	0.064	0.029	0.046	0.047	-0.02	0.02	0.00	0.012	5.27	2.43	3.85
Haiti	0.059	0.059	0.023	0.041	0.043	-0.02	0.02	0.00	0.008	6.93	2.77	4.85
Honduras	0.087	0.087	0.045	0.066	0.068	-0.02	0.02	0.00	0.027	3.16	1.65	2.40
Iceland	0.074	0.074	0.049	0.062	0.061	-0.01	0.01	0.00	0.039	1.89	1.26	1.58
India	2.913	2.913	1.333	2.123	2.169	-0.74	0.84	0.05	0.820	3.55	1.62	2.59
Indonesia	1.221	1.221	0.982	1.102	1.085	-0.14	0.10	-0.02	0.852	1.43	1.15	1.29
Iran	1.679	1.679	1.393	1.536	0.781	-0.90	-0.61	-0.76	0.611	2.75	2.28	2.51
Iraq	0.359	0.359	0.740	0.549	0.620	0.26	-0.12	0.07	0.357	1.00	2.07	1.54
Ireland	0.394	0.394	0.480	0.437	0.437	0.04	-0.04	0.00	0.655	0.60	0.73	0.67
Israel	0.522	0.522	0.461	0.492	0.484	-0.04	0.02	-0.01	0.415	1.26	1.11	1.19
Italy	3.155	3.155	3.903	3.529	3.681	0.53	-0.22	0.15	4.501	0.70	0.87	0.78
Jamaica	0.188	0.188	0.095	0.142	0.143	-0.05	0.05	0.00	0.055	3.40	1.72	2.56
Japan	4.221	4.221	8.051	6.136	6.946	2.72	-1.11	0.81	10.987	0.38	0.73	0.56
Jordan	0.076	0.076	0.100	0.088	0.089	0.01	-0.01	0.00	0.086	0.89	1.16	1.03
Kenya	0.176	0.176	0.098	0.137	0.142	-0.03	0.04	0.00	0.054	3.25	1.81	2.53
Korea	0.407	0.407	1.101	0.754	0.852	0.45	-0.25	0.10	1.786	0.23	0.62	0.42
Kuwait	0.598	0.598	0.773	0.685	0.721	0.12	-0.05	0.04	0.559	1.07	1.38	1.23
Lao, People's Dem. Repub	0.041	0.041	0.013	0.027	0.028	-0.01	0.01	0.00	0.007	5.93	1.89	3.91
Lebanon	0.031	0.031	0.162	0.096	0.106	0.08	-0.06	0.01	0.086	0.35	1.89	1.12
Lesotho	0.018	0.018	0.018	0.018	0.018	0.00	0.00	0.00	0.019	0.96	0.98	0.97
Liberia	0.094	0.094	0.034	0.064	0.067	-0.03	0.03	0.00	0.007	14.12	5.14	9.63
Libya	0.471	0.471	0.620	0.545	0.586	0.12	-0.03	0.04	0.340	1.39	1.82	1.60
Madagascar	0.087	0.087	0.036	0.061	0.064	-0.02	0.03	0.00	0.015	5.81	2.42	4.12
Malawi	0.048	0.048	0.023	0.035	0.036	-0.01	0.01	0.00	0.015	3.30	1.54	2.42
Malaysia	0.644	0.644	0.766	0.705	0.776	0.13	0.01	0.07	1.107	0.58	0.69	0.64
Mali	0.069	0.069	0.026	0.047	0.049	-0.02	0.02	0.00	0.014	4.99	1.87	3.43
Malta	0.051	0.051	0.054	0.053	0.053	0.00	0.00	0.00	0.062	0.82	0.87	0.84
Mauritania	0.043	0.043	0.022	0.033	0.034	-0.01	0.01	0.00	0.010	4.14	2.09	3.12
Mauritius	0.069	0.069	0.040	0.054	0.053	-0.02	0.01	0.00	0.039	1.75	1.02	1.38
Mexico	1.361	1.361	1.310	1.336	1.349	-0.01	0.04	0.01	1.430	0.95	0.92	0.93
Morocco	0.382	0.382	0.234	0.308	0.307	-0.07	0.07	0.00	0.181	2.10	1.29	1.70
Myanmar	0.186	0.186	0.096	0.141	0.135	-0.05	0.04	-0.01	0.124	1.50	0.78	1.14
Nepal	0.048	0.048	0.026	0.037	0.037	-0.01	0.01	0.00	0.020	2.44	1.30	1.87
Netherlands	2.412	2.412	2.937	2.674	2.693	0.28	-0.24	0.02	3.048	0.79	0.96	0.88
New Zealand	0.590	0.590	0.352	0.471	0.467	-0.12	0.11	0.00	0.282	2.09	1.25	1.67
Nicaragua	0.087	0.087	0.044	0.065	0.068	-0.02	0.02	0.00	0.017	5.15	2.63	3.89
Niger	0.041	0.041	0.025	0.033	0.034	-0.01	0.01	0.00	0.013	3.06	1.85	2.45
Nigeria	0.916	0.916	0.856	0.886	0.915	0.00	0.06	0.03	0.443	2.07	1.93	2.00
Norway	0.751	0.751	0.969	0.860	0.872	0.12	-0.10	0.01	1.028	0.73	0.94	0.84
Oman	0.051	0.051	0.151	0.101	0.101	0.05	-0.05	0.00	0.165	0.31	0.92	0.61

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		Equi- proportional	Fully Selective	Evenly Divided		Equi- proportional	Fully Selective	Evenly Divided		Equi- proportional	Fully Selective	Evenly Divided
Pakistan	0.725	0.725	0.337	0.531	0.539	-0.19	0.20	0.01	0.223	3.25	1.51	2.38
Panama	0.115	0.115	0.095	0.105	0.108	-0.01	0.01	0.00	0.073	1.56	1.30	1.43
Paraguay	0.059	0.059	0.045	0.052	0.052	-0.01	0.01	0.00	0.039	1.50	1.17	1.34
Peru	0.417	0.417	0.242	0.330	0.333	-0.08	0.09	0.00	0.169	2.46	1.43	1.95
Philippines	0.534	0.534	0.402	0.468	0.459	-0.08	0.06	-0.01	0.366	1.46	1.10	1.28
Portugal	0.438	0.438	0.469	0.453	0.453	0.01	-0.02	0.00	0.601	0.73	0.78	0.75
Qatar	0.102	0.102	0.161	0.131	0.138	0.04	-0.02	0.01	0.101	1.01	1.60	1.31
Romania	0.623	0.623	0.426	0.525	0.537	-0.09	0.11	0.01	0.246	2.54	1.74	2.14
Rwanda	0.059	0.059	0.021	0.040	0.042	-0.02	0.02	0.00	0.006	9.44	3.35	6.40
Samoa	0.008	0.008	0.004	0.006	0.006	0.00	0.00	0.00	0.002	3.32	1.54	2.43
Saudi Arabia	1.527	1.527	2.996	2.261	3.645	2.12	0.65	1.38	1.413	1.08	2.12	1.60
Senegal	0.107	0.107	0.058	0.082	0.084	-0.02	0.03	0.00	0.031	3.41	1.85	2.63
Sierra Leone	0.079	0.079	0.025	0.052	0.054	-0.02	0.03	0.00	0.005	14.36	4.50	9.43
Singapore	0.280	0.280	1.065	0.672	0.450	0.17	-0.61	-0.22	1.646	0.17	0.65	0.41
Somalia	0.059	0.059	0.022	0.040	0.043	-0.02	0.02	0.00	0.003	17.13	6.34	11.73
South Africa	1.079	1.079	0.839	0.959	0.975	-0.10	0.14	0.02	0.480	2.25	1.75	2.00
Spain	1.417	1.417	1.754	1.585	1.591	0.17	-0.16	0.01	2.239	0.63	0.78	0.71
Sri Lanka	0.303	0.303	0.122	0.213	0.216	-0.09	0.09	0.00	0.084	3.60	1.45	2.52
Sudan	0.224	0.224	0.094	0.159	0.164	-0.06	0.07	0.01	0.039	5.71	2.39	4.05
Swaziland	0.031	0.031	0.024	0.027	0.026	0.00	0.00	0.00	0.021	1.42	1.11	1.27
Sweden	1.145	1.145	1.356	1.250	1.250	0.10	-0.11	0.00	1.359	0.84	1.00	0.92
Syrian Arab Republic	0.160	0.160	0.153	0.157	0.153	-0.01	0.00	0.00	0.143	1.12	1.07	1.10
Tanzania	0.140	0.140	0.061	0.101	0.104	-0.04	0.04	0.00	0.028	4.97	2.18	3.57
Thailand	0.461	0.461	0.567	0.514	0.564	0.10	0.00	0.05	0.928	0.50	0.61	0.55
Togo	0.048	0.048	0.026	0.037	0.038	-0.01	0.01	0.00	0.009	5.17	2.73	3.95
Trinidad and Tobago	0.209	0.209	0.149	0.179	0.175	-0.03	0.03	0.00	0.063	3.30	2.36	2.83
Tunisia	0.160	0.160	0.143	0.152	0.149	-0.01	0.01	0.00	0.123	1.31	1.16	1.24
Turkey	0.509	0.509	0.510	0.509	0.503	-0.01	-0.01	-0.01	0.574	0.89	0.89	0.89
Uganda	0.127	0.127	0.050	0.089	0.094	-0.03	0.04	0.01	0.017	7.45	2.96	5.20
United Arab Emirates	0.305	0.305	0.568	0.437	0.319	0.01	-0.25	-0.12	0.430	0.71	1.32	1.02
United Kingdom	7.443	7.443	5.784	6.613	5.603	-1.84	-0.18	-1.01	5.375	1.38	1.08	1.23
United States	21.387	21.387	19.453	20.420	19.382	-2.00	-0.07	-1.04	18.575	1.15	1.05	1.10
Uruguay	0.214	0.214	0.098	0.156	0.160	-0.05	0.06	0.00	0.060	3.58	1.65	2.61
Venezuela	1.679	1.679	1.046	1.363	1.387	-0.29	0.34	0.02	0.563	2.98	1.86	2.42
Vietnam	0.229	0.229	0.111	0.170	0.172	-0.06	0.06	0.00	0.068	3.36	1.62	2.49
Yemen, Republic of	0.137	0.137	0.109	0.123	0.127	-0.01	0.02	0.00	0.083	1.65	1.31	1.48
Zambia	0.359	0.359	0.140	0.250	0.255	-0.10	0.11	0.01	0.036	9.92	3.88	6.90
Total	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	100.0			