

Disproportionality in Power Plants' Carbon Emissions: A Cross-National Study

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Supplementary Table 1. National Gini Coefficients for Disproportionality in Plant-Level Carbon Emissions

Nation	Disproportionality Gini Coefficient	Number of Fossil-Fuel Power Plants	Percent Coal Fossil-Fuel Power Plants	Percent Gas Fossil-Fuel Power Plants	Percent Liquid Fossil-Fuel Power Plants
Afghanistan	38.47	32	0.00	9.38	90.63
Albania	14.52	4	0.00	0.00	100.00
Algeria	39.22	59	0.00	71.19	28.81
Antigua and Barbuda	24.50	6	0.00	0.00	100.00
Argentina	33.78	398	0.25	15.08	84.67
Armenia	5.48	2	0.00	100.00	0.00
Australia	41.53	434	9.45	47.24	43.32
Austria	38.20	78	5.13	73.08	21.80
Azerbaijan	32.97	16	0.00	87.50	12.50
Bahamas	30.83	30	0.00	0.00	100.00
Bahrain	21.61	12	0.00	100.00	0.00
Bangladesh	37.59	105	0.95	60.95	38.10
Barbados	18.72	4	0.00	0.00	100.00
Belarus	35.84	32	0.00	93.75	6.25
Belgium	37.75	196	5.61	71.43	22.96
Belize	23.68	8	0.00	0.00	100.00
Benin	36.39	12	0.00	0.00	100.00
Bermuda	17.31	3	0.00	0.00	100.00
Bolivia	30.11	16	0.00	50.00	50.00
Bosnia and Herzegovina	24.10	16	81.25	0.00	18.75
Brazil	52.61	157	3.82	31.21	64.97
Brunei Darussalam	36.54	10	0.00	80.00	20.00
Bulgaria	41.93	27	40.74	59.26	0.00
Burkina Faso	29.50	41	0.00	0.00	100.00
Cambodia	27.72	32	0.00	0.00	100.00
Cameroon	28.13	10	0.00	0.00	100.00
Canada	50.91	449	4.23	45.43	50.33
Central African Republic	13.95	15	0.00	0.00	100.00
Chad	26.53	13	0.00	0.00	100.00
Chile	32.87	60	16.67	13.33	70.00
China	35.87	1130	81.50	8.67	9.82
Colombia	36.20	65	9.23	43.08	47.69
Comoros	23.29	10	0.00	0.00	100.00
Congo, Dem. Rep.	15.28	35	0.00	2.86	97.14
Congo, Rep.	18.71	3	0.00	100.00	0.00
Costa Rica	27.69	7	0.00	0.00	100.00
Cote d'Ivoire	19.39	6	0.00	66.67	33.33
Croatia	33.16	18	5.56	27.78	66.67
Cuba	41.09	48	0.00	6.25	93.75
Cyprus	13.88	8	0.00	0.00	100.00

Czech Republic	42.55	74	44.60	54.05	1.35
Denmark	35.07	367	1.09	94.01	4.91
Djibouti	12.55	5	0.00	0.00	100.00
Dominican Republic	51.07	52	3.85	3.85	92.31
Ecuador	38.80	90	0.00	8.89	91.11
Egypt	31.73	78	0.00	38.46	61.54
El Salvador	34.45	12	0.00	0.00	100.00
Equatorial Guinea	4.85	2	0.00	0.00	100.00
Eritrea	14.93	6	0.00	0.00	100.00
Estonia	18.02	12	58.33	41.67	0.00
Ethiopia	34.19	44	0.00	0.00	100.00
Fiji	35.01	17	0.00	0.00	100.00
Finland	44.23	79	17.72	36.71	45.57
France	48.14	493	7.91	70.59	21.50
Gabon	37.91	31	0.00	9.68	90.32
Gambia	20.16	8	0.00	0.00	100.00
Georgia	11.62	6	0.00	66.67	33.33
Germany	58.17	965	12.23	71.71	16.06
Ghana	13.07	9	0.00	0.00	100.00
Greece	41.93	84	7.14	34.52	58.33
Greenland	39.36	21	0.00	0.00	100.00
Guatemala	31.27	15	6.67	0.00	93.33
Guinea	25.18	13	0.00	0.00	100.00
Guyana	26.02	19	0.00	0.00	100.00
Haiti	26.60	13	0.00	0.00	100.00
Honduras	30.07	26	0.00	0.00	100.00
Hong Kong	17.22	8	25.00	12.50	62.50
Hungary	52.29	68	8.82	82.35	8.82
India	46.97	737	37.72	18.86	43.42
Indonesia	58.15	533	6.75	12.57	80.68
Iran	38.51	140	0.00	45.00	55.00
Iraq	32.04	23	0.00	0.00	100.00
Ireland	40.25	38	2.63	78.95	18.42
Israel	33.46	25	12.00	36.00	52.00
Italy	53.81	536	3.92	65.49	30.60
Japan	42.23	1908	4.61	38.63	56.76
Jordan	21.53	23	0.00	21.74	78.26
Kazakhstan	50.68	51	52.94	29.41	17.65
Kenya	24.72	21	0.00	0.00	100.00
Kiribati	23.11	4	0.00	0.00	100.00
Kuwait	30.41	19	0.00	26.32	73.68
Kyrgyz Republic	9.96	3	33.33	66.67	0.00
Latvia	19.78	29	0.00	82.76	17.24
Lebanon	26.13	18	0.00	0.00	100.00

Liberia	12.81	3	0.00	0.00	100.00
Libya	34.07	58	0.00	10.35	89.66
Lithuania	22.06	9	0.00	77.78	22.22
Luxembourg	11.29	57	0.00	100.00	0.00
Macau	7.19	4	0.00	0.00	100.00
Macedonia	15.38	6	33.33	33.33	33.33
Madagascar	39.29	116	0.00	0.00	100.00
Malawi	18.25	9	0.00	0.00	100.00
Malaysia	40.04	161	3.73	23.60	72.67
Maldives	53.22	189	0.00	0.00	100.00
Mali	36.22	21	0.00	0.00	100.00
Mauritania	21.71	27	0.00	0.00	100.00
Mauritius	24.65	9	33.33	0.00	66.67
Mexico	45.84	177	2.26	46.33	51.41
Moldova	31.17	13	0.00	100.00	0.00
Mongolia	22.11	25	32.00	0.00	68.00
Morocco	41.18	18	16.67	11.11	72.22
Mozambique	15.72	8	0.00	25.00	75.00
Namibia	2.85	3	33.33	0.00	66.67
Netherlands	48.79	591	0.51	98.14	1.35
New Zealand	38.11	47	6.38	70.21	23.40
Nicaragua	22.56	26	0.00	0.00	100.00
Niger	40.95	11	9.09	0.00	90.91
Nigeria	37.09	106	0.00	35.85	64.15
Norway	22.55	20	5.00	45.00	50.00
Oman	38.56	98	0.00	28.57	71.43
Pakistan	42.58	117	0.86	32.48	66.67
Panama	29.29	80	0.00	0.00	100.00
Papua New Guinea	25.20	34	0.00	5.88	94.12
Peru	37.43	285	0.35	3.86	95.79
Philippines	34.44	281	4.27	2.49	93.24
Poland	54.72	287	79.79	17.77	2.44
Portugal	44.82	190	1.05	45.79	53.16
Puerto Rico	33.62	20	5.00	5.00	90.00
Qatar	30.42	15	0.00	100.00	0.00
Romania	45.31	53	35.85	52.83	11.32
Russia	49.46	529	19.28	65.97	14.75
Saint Kitts and Nevis	12.09	3	0.00	0.00	100.00
Saint Lucia	9.40	3	0.00	0.00	100.00
Saint Vincent	16.67	6	0.00	0.00	100.00
Samoa	18.65	4	0.00	0.00	100.00
Sao Tome and Principe	4.82	4	0.00	0.00	100.00
Saudi Arabia	49.74	208	0.00	15.39	84.62
Senegal	39.66	53	0.00	0.00	100.00

Serbia	22.98	22	45.46	9.09	45.46
Sierra Leone	29.77	16	0.00	0.00	100.00
Singapore	20.90	40	0.00	37.50	62.50
Slovak Republic	41.70	36	41.67	30.56	27.78
Slovenia	21.82	23	21.74	30.44	47.83
Solomon Islands	33.94	11	0.00	0.00	100.00
South Korea	39.61	198	15.15	33.33	51.52
Spain	40.97	485	3.92	66.19	29.90
Sri Lanka	31.98	25	0.00	0.00	100.00
Sudan	30.86	37	0.00	0.00	100.00
Suriname	19.08	14	0.00	0.00	100.00
Sweden	34.77	49	6.12	44.90	48.98
Tanzania	9.30	37	2.70	8.11	89.19
Thailand	45.03	92	15.22	54.35	30.44
Togo	18.55	4	0.00	0.00	100.00
Tonga	9.89	4	0.00	0.00	100.00
Trinidad and Tobago	20.31	7	0.00	85.71	14.29
Tunisia	29.78	20	0.00	75.00	25.00
Turkey	38.05	304	15.79	51.65	32.57
Turkmenistan	35.06	10	0.00	100.00	0.00
Uganda	7.27	13	0.00	0.00	100.00
Ukraine	29.14	48	29.17	60.42	10.42
United Arab Emirates	33.83	71	0.00	70.42	29.58
United Kingdom	50.55	782	3.07	79.41	17.52
United States	48.86	2612	21.75	53.52	24.73
Uruguay	14.38	3	0.00	0.00	100.00
Uzbekistan	30.14	10	20.00	70.00	10.00
Vanuatu	23.09	5	0.00	0.00	100.00
Venezuela	46.67	51	0.00	68.63	31.37
Vietnam	28.68	45	28.89	20.00	51.11
Yemen	33.92	31	0.00	0.00	100.00
Zambia	15.55	14	0.00	0.00	100.00
Zimbabwe	17.38	6	66.67	0.00	33.33