

ECONOMIC IMPACT SUMMARIES 2024

COUNTRY	Number of Known Solar Cookers	Population Reliant on Polluting Fuels, %	Potential CO₂ Emissions (tonnes) Prevented Annually if Population Using Polluting Fuels Switched to Solar 25% of the Time	Household Air Pollution Attributable Deaths Annually	Total Potential Savings Annually if 100% of People Using Solid Fuels Switched to Solar 25% of the Time
Afghanistan	30,773	64%	1,256,781	24,889	\$544,835,517
Albania		15%	47,734	2,028	\$1,311,928,460
Algeria	79	0.3%	10,401	667	\$247,403,812
American Samoa		-			\$0
Andorra		0%			\$0
Angola	20	50%	1,423,423	13,761	\$2,100,407,127
Antigua and Barbuda		0%		0	\$0
Argentina	3,731	0.1%	5,793	849	\$990,525,779
Armenia	20	2%	6,209	280	\$190,104,912
Aruba		-			\$0
Australia	334	0%	0	0	\$0
Austria	6	0%	0	0	\$0
Azerbaijan		1.5%	12,283	1,297	\$693,391,012
Bahamas		0%	0	0	\$0
Bahrain		0%		0	\$0
Bangladesh	60	72%	10,787,523	117,205	\$19,543,604,050
Barbados		0%	0	0	\$0
Belarus		0.3%	4,662	505	\$300,677,015
Belgium		0%	0	0	\$0
Belize		17.5%	7,048	58	\$36,339,281

Benin		94%	923,374	9,648	\$885,122,266
Bermuda			0		\$0
Bhutan		12%	7,652	278	\$68,404,565
Bolivia	13,820	11%	143,716	3,159	\$784,980,451
Bosnia and Herzegovina		59%	201,277	4,933	\$3,230,402,718
Botswana		34%	96,810	1,291	\$713,695,077
Brazil		3.5%	855,033	16,962	\$13,713,315,364
British Virgin Islands		-			\$0
Brunei Darussalam		0%		0	\$0
Bulgaria		-			\$0
Burkina Faso	1,069	83%	1,215,501	13,291	\$749,113,949
Burundi	188	100%	1,026,340	7,626	\$207,865,915
Cabo Verde		17%		156	\$45,420,548
Cambodia	32	46.5%	638,056	11,693	\$1,344,744,198
Cameroon	280	71%	1,506,762	16,969	\$1,806,524,232
Canada	3,629	0%	0	0	\$0
Cayman Islands		-			\$0
Central African Republic		99%	378,147	5,564	\$162,040,776
Chad	152,160	90.5%	1,026,989	14,127	\$630,888,050
Channel Islands		-			\$0
Chile	70	0%	0	0	\$0
China	2,498,692	12%	18,855,799	727,845	\$769,140,392,165
Colombia		6%	354,774	4,935	\$2,606,862,691
Comoros		90%	53,135	576	\$58,302,306

Congo, Dem. Rep. (DRC)	310	96%	7,010,558	71,985	\$3,195,981,011
Congo, Rep.		60%	326,868	2,790	\$471,530,098
Cook Islands		27%			\$0
Costa Rica	17	4%	21,842	223	\$329,565,618
Cote d'Ivoire	6	57%	1,342,063		\$199,320,048
Croatia		0%	0	0	\$0
Cuba	250	5%	81,854	2,812	\$2,118,925,020
Curacao		-			\$0
Cyprus	152	0%	0	0	\$0
Czechia		0%	0	0	\$0
Denmark	1	0%		0	\$0
Djibouti		90%	64,360	874	\$214,372,693
Dominica		13%			\$0
Dominican Republic	237	7%	98,048	1,636	\$1,430,941,776
Ecuador	1,230	5.5%	98,073	1,073	\$527,568,147
Egypt	1	0.1%	10,241	976	\$223,114,925
El Salvador	10	6%	37,692	829	\$317,035,807
Equatorial Guinea		78%	94,120	759	\$412,684,309
Eritrea	801	89.5%		3,766	\$0
Estonia		0%	0	0	\$0
Eswatini	5	51%	57,619	787	\$204,758,527
Ethiopia	7,567	91%	9,145,484	63,027	\$5,674,608,335
Faroe Islands		0%			\$0
Fiji	3	44%	33,288	589	\$252,500,302
Finland	4	0%	0	0	\$0
France	441	0%	0	0	\$0

French Polynesia		-			\$0
Gabon		9%	20,145	329	\$216,263,588
Gambia	9,247	98%	125,363	1,462	\$78,566,454
Georgia		8%	32,135	2,151	\$1,339,791,574
Germany	64,013	0%	0	0	\$0
Ghana	616	69%	2,307,948	18,881	\$2,838,808,363
Gibraltar		-			\$0
Greece	107	0%	0	0	\$0
Greenland		-			\$0
Grenada		15%		27	\$22,716,442
Guam		-			\$0
Guatemala	60	54%	734,920	7,460	\$3,199,346,121
Guinea	1,222	99%	816,853	11,331	\$1,170,835,677
Guinea-Bissau	1	99%	116,761	1,425	\$81,679,007
Guyana		0%	0	345	\$827,926,664
Haiti	4,613	95.5%	969,986	13,323	\$1,404,054,470
Honduras	1	50%	504,910	4,740	\$1,054,366,881
Hong Kong SAR, China	6	-			\$0
Hungary		0%	0	0	\$0
Iceland		0%		0	\$0
India	855,632	25.5%	30,841,311	811,262	\$126,164,935,513
Indonesia	845	11%	2,889,379	92,898	\$32,190,069,861
Iran	1,028	4%	398,602	5,890	\$1,860,649,661
Iraq		0.6%	15,891	730	\$287,000,145
Ireland		0%	0	0	\$0
Isle of Man		-			\$0
Israel	14	0%	0	0	\$0

Italy	645	0%	0	0	\$0
Jamaica	71	27%	92,350	560	\$298,300,124
Japan	3,011	0%	0	0	\$0
Jordan	14	0.2%	1,797	51	\$15,780,171
Kazakhstan		7%	150,437	3,417	\$3,799,647,450
Kenya	25,076	70%	3,780,915	22,283	\$3,058,111,032
Kiribati		85%	7,182	156	\$20,061,436
Korea, Dem. People's Rep. (North)		86%	2,151,375	50,143	\$319,517,326
Korea, Rep. (South)	4	0%	0	0	\$0
Kosovo		-			\$0
Kuwait	1	0%		0	\$0
Kyrgyzstan		23%	148,381	1,862	\$233,221,385
Laos		90%	543,306	6,054	\$811,697,126
Latvia		0%	0	0	\$0
Lebanon		-			\$0
Lesotho	466	58.5%	137,245	3,229	\$159,258,279
Liberia		99%	435,261	2,940	\$177,645,919
Libya		-			\$0
Liechtenstein		-			\$0
Lithuania		0%	0	0	\$0
Luxembourg		0%	0	0	\$0
Macao SAR, China		-			\$0
Madagascar	15,482	98.5%	2,472,642	21,345	\$866,638,288
Malawi	315	99%	1,787,888	8,822	\$541,235,798
Malaysia		16%	441,741	4,476	\$4,348,905,361
Maldives		0.3%	108	8	\$8,481,917

Mali	5,258	99%	1,478,065	11,859	\$743,139,926
Malta		0%	0	0	\$0
Marshall Islands		36%			\$0
Mauritania		51%	159,596	1,896	\$262,471,975
Mauritius	3	1%	1,342	136	\$127,242,585
Mexico	40,887	14%	1,849,326	21,639	\$25,930,700,838
Micronesia		87%		150	\$39,710,497
Moldova, Rep.		2%	7,666	732	\$358,662,195
Monaco	1	0%	0		\$0
Mongolia	300	46%	163,362	2,420	\$1,019,926,934
Montenegro		37%	26,013	771	\$769,746,424
Morocco	558	2%	64,349	2,878	\$698,758,570
Mozambique	2	94%	2,637,591	26,452	\$1,124,345,140
Myanmar	1	49%	2,386,390	54,038	\$3,693,656,608
Namibia	575	53%	121,488	1,434	\$484,858,754
Nauru		0%			\$0
Nepal	14,556	60%	1,616,610	25,069	\$2,005,202,510
Netherlands	1,010	0%	0	0	\$0
New Caledonia		-			\$0
New Zealand	305	0%	0	0	\$0
Nicaragua	3,272	41%	218,551	2,624	\$434,365,015
Niger		94%	1,619,572	16,439	\$704,689,825
Nigeria	1,367	74%	13,196,854	132,494	\$13,854,053,562
North Macedonia		19%	36,062	1,370	\$858,928,805
Northern Mariana Islands		-			\$0

Norway	45	0%	0	0	\$0
Oman	1	0%	0	0	\$0
Pakistan	24,000	47%	6,244,316	152,925	\$12,509,710,417
Palau		71%			\$0
Panama		0%	0	546	\$1,209,462,211
Palestine	160		0		\$0
Papua New Guinea	1	90%	641,317	7,295	\$1,462,857,530
Paraguay		31.5%	206,440	2,035	\$955,035,818
Peru	7,418	12%	435,077	5,345	\$3,220,643,350
Philippines	1	41%	4,256,343	94,441	\$23,643,686,222
Poland	14	0%	0	0	\$0
Portugal	5,111	0%	0	0	\$0
Puerto Rico	45	0%	0		\$0
Qatar		0%	0	0	\$0
Romania		0%	0	11,316	\$24,805,677,558
Russia		0.6%	123,635	85,329	\$148,634,617,287
Rwanda	26	92%	1,119,650	6,932	\$514,889,937
Samoa		60%	7,693	154	\$43,717,699
San Marino		0%			\$0
Sao Tome and Principe		96%	20,201	166	\$29,290,305
Saudi Arabia		0%		0	\$0
Senegal	19,621	68%	514,892	7,635	\$825,691,442
Serbia		17%	145,363	5,845	\$5,449,581,661
Seychelles		0%	0	0	\$0
Sierra Leone		99%	611,686	7,334	\$226,031,088
Singapore		0%	0	0	\$0
Sint Maarten (Dutch)		-			\$0

Slovakia		0%	0	0	\$0
Slovenia		0%	0	0	\$0
Solomon Islands		91%		830	\$107,670,015
Somalia		95%	1,037,743	16,061	\$630,104,556
South Africa		11%	745,458	14,390	\$6,638,064,465
South Sudan	23,111	100%	688,429	7,072	\$102,243,956
Spain	1,878	0%	0	0	\$0
Sri Lanka	3,509	64.5%		17,369	\$4,372,123,182
St. Kitts and Nevis		0%			\$0
St. Lucia		7.5%	1,736	21	\$25,272,174
St. Martin (French)		-			\$0
St Vincent and Grenadines		10%		15	\$12,354,178
Sudan	3,162	34%	1,044,862	19,185	\$2,738,159,621
Suriname		4.5%	2,679	72	\$31,906,672
Sweden	52	0%		0	\$0
Switzerland	723	0%	0	0	\$0
Syrian Arab Republic		9.5%	144,201	1,509	\$48,290,450
Taiwan	40		0		\$0
Tajikistan	75	14%	87,535	2,579	\$172,596,389
Tanzania	5,343	91%	4,655,018	25,323	\$2,293,382,679
Thailand	1,748	14%	1,327,747	22,836	\$12,407,632,652
Timor-Leste	1	82%	78,701	1,098	\$112,268,834
Togo	15	88%	675,275	6,087	\$411,086,567
Tonga		10.5%	795	24	\$7,810,311

Trinidad and Tobago	50	0%	0	0	\$0
Tunisia		0.1%	1,190	181	\$46,702,799
Turkiye	6,250	5%	379,857	6,679	\$7,338,045,227
Turkmenistan		0.2%	934	65	\$46,943,048
Turks and Caicos Islands			0		\$0
Tuvalu		25%	173		\$25,632
Uganda	82,389	99%	3,671,089	18,649	\$1,498,820,611
Ukraine		5%	281,163	13,781	\$5,030,257,486
United Arab Emirates	2	0%		0	\$0
United Kingdom	272	0%	0	0	\$0
United States	163,096	0%	0	0	\$0
Uruguay		0%	0	0	\$0
Uzbekistan		22%	579,061	9,398	\$1,502,148,760
Vanuatu		94%	22,868	358	\$80,654,708
Venezuela	102	5%	124,911	1,762	\$18,551,486
Vietnam	2,500	2%	205,787	61,510	\$18,064,993,146
Virgin Islands (US)		-			\$0
Yemen	170	52%	990,214	12,642	\$446,019,968
Zambia	192	91%	1,394,525	9,498	\$903,293,222
Zimbabwe	14,005	69%	1,073,961	9,738	\$1,015,151,117
TOTAL	4,131,711		170,317,525	3,218,749	\$1,367,819,637,482

[Find more information on sources and calculations here.](#)

The data in this document is as of September 2024.