

Appendix 3

GENUINE SAVING ESTIMATES BY COUNTRY, 2000

Revenue Saving, 2000, % of GNI

Country name	Gross national saving	Consumption of fixed capital	Net national saving	Education expenditure	Energy depletion	Mineral depletion	Net forest depletion	PM ₁₀ damage*	CO ₂ damage	Genuine saving
Afghanistan	..	..	..	..	..	..	..	..	..	..
Albania	19.4	9.0	10.4	2.8	1.4	0.0	0.0	0.1	0.4	11.4
Algeria	41.1	11.2	29.9	4.5	39.7	0.1	0.1	0.7	1.0	-7.3
American Samoa	..	..	..	..	..	..	..	..	..	..
Andorra	..	..	..	..	..	..	..	..	..	..
Angola	54.8	10.6	44.2	4.4	55.9	0.0	0.0	..	0.5	..
Antigua and Barbuda	19.4	12.6	6.8	3.7	0.0	0.0	0.0	..	0.3	..
Argentina	13.4	12.1	1.3	3.2	2.4	0.1	0.0	1.6	0.3	0.1
Armenia	4.0	8.1	-4.2	1.8	0.0	0.1	0.0	2.0	1.1	-5.4
Aruba	..	..	..	..	..	..	..	..	..	..
Australia	19.5	16.1	3.4	4.9	1.8	1.5	0.0	0.1	0.5	4.3
Austria	22.0	14.5	7.5	5.6	0.1	0.0	0.0	0.2	0.2	12.5
Azerbaijan	18.1	14.9	3.2	3.0	54.5	0.0	0.0	1.0	3.5	-52.7
Bahamas, The	..	13.2	..	3.8	0.0	0.0	0.0	..	0.2	..
Bahrain	27.1	12.7	14.4	4.4	17.6	0.0	0.0	..	1.5	..
Bangladesh	25.8	5.9	19.9	1.3	1.3	0.0	0.8	0.3	0.4	18.5
Barbados	12.1	12.4	-0.4	7.2	0.6	0.0	0.0	..	0.3	..
Belarus	23.8	9.2	14.5	5.4	2.9	0.0	0.0	0.0	2.7	14.3
Belgium	24.3	14.4	9.9	3.0	0.0	0.0	0.0	0.2	0.3	12.5
Belize	9.2	6.0	3.2	6.2	0.0	0.0	0.0	..	0.6	..
Benin	10.4	7.7	2.7	2.7	0.2	0.0	1.4	0.3	0.4	3.1
Bermuda	..	..	..	3.3	..	..	..	..	..	..
Bhutan	32.9	9.3	23.6	2.4	0.0	0.0	5.2	..	0.5	..
Bolivia	11.1	9.2	1.8	4.8	4.8	0.8	0.0	0.7	0.8	-0.6
Bosnia and Herzegovina	20.8	8.7	12.0	..	0.2	0.0	0.0	0.4	2.4	..

Country name	Gross national saving	Consumption of fixed capital	Net national saving	Education expenditure	Energy depletion	Mineral depletion	Net forest depletion	PM ₁₀ damage*	CO ₂ damage	Genuine saving
Botswana	41.9	12.1	29.8	5.6	0.0	0.5	0.0	..	0.5	..
Brazil	17.8	11.0	6.8	3.7	2.0	0.8	0.0	0.2	0.3	7.2
Brunei	..	..	..	2.9	..	..	..	..	..	..
Bulgaria	13.0	9.8	3.2	3.0	0.3	0.6	0.0	2.1	2.0	1.1
Burkina Faso	11.0	7.1	4.0	2.4	0.0	0.0	0.0	0.5	0.2	5.6
Burundi	0.9	6.1	-5.2	4.0	0.0	0.0	8.7	0.1	0.2	-10.2
Cambodia	14.1	7.6	6.5	1.4	0.0	0.0	1.2	0.1	0.1	6.6
Cameroon	14.6	8.9	5.7	2.3	9.4	0.0	0.0	0.7	0.5	-2.5
Canada	24.6	13.1	11.5	6.9	4.9	0.2	0.0	0.2	0.4	12.7
Cape Verde	9.2	9.5	-0.3	3.9	0.0	0.0	0.0	..	0.2	..
Cayman Islands	..	..	..	..	..	..	..	..	..	..
Central African Republic	6.7	7.3	-0.6	1.6	0.0	0.0	0.0	0.4	0.2	0.5
Chad	0.7	6.8	-6.1	1.4	0.0	0.0	0.0	..	0.1	..
Channel Islands	..	..	..	..	..	..	..	..	..	..
Chile	21.3	10.0	11.3	3.5	0.3	6.0	0.0	1.0	0.5	7.0
China	38.8	8.9	29.8	2.0	3.6	0.3	0.1	1.0	1.6	25.5
Colombia	15.5	10.2	5.3	3.1	8.4	0.3	0.0	0.1	0.4	-0.9
Comoros	-1.2	7.6	-8.9	4.2	0.0	0.0	0.0	..	0.2	..
Congo, Dem. Rep. of	-4.6	6.9	-11.5	0.9	3.3	0.3	0.0	0.0	0.4	-14.6
Congo, Rep. of	41.0	12.6	28.4	5.9	68.2	0.5	0.0	..	0.5	..
Costa Rica	13.6	6.2	7.4	5.0	0.0	0.0	0.4	0.3	0.2	11.5
Côte d'Ivoire	8.4	9.1	-0.7	4.5	4.1	0.0	0.6	0.6	0.6	-2.1
Croatia	18.1	11.1	7.0	..	1.3	0.0	0.0	0.3	0.6	..
Cuba	..	..	..	6.1	..	..	..	..	..	..
Cyprus	..	10.6	..	5.3	0.0	0.0	0.0	..	0.4	..
Czech Republic	24.5	11.5	13.0	3.9	0.1	0.0	0.0	0.1	1.3	15.4
Denmark	23.5	15.4	8.1	7.9	0.9	0.0	0.0	0.1	0.2	14.8
Djibouti	-2.4	8.5	-10.9	..	0.0	0.0	0.0	..	0.4	..
Dominica	5.7	12.2	-6.6	5.0	0.0	0.0	0.0	..	0.3	..
Dominican Republic	19.2	5.4	13.8	2.0	0.0	0.6	0.0	0.2	0.8	14.2
Ecuador	28.3	10.2	18.1	3.2	25.6	0.0	0.0	0.1	1.0	-5.5
Egypt, Arab Rep. of	16.7	9.5	7.2	4.4	5.6	0.1	0.2	1.4	0.8	3.6
El Salvador	13.9	10.2	3.7	2.4	0.0	0.0	0.7	0.2	0.3	5.0
Equatorial Guinea	..	31.2	..	..	0.0	0.0	0.0	..	0.3	..
Eritrea	28.1	5.3	22.8	1.4	0.0	0.0	0.0	0.5	0.5	23.2
Estonia	23.2	14.2	9.0	6.3	0.5	0.0	0.0	0.2	1.8	12.8
Ethiopia	10.5	6.0	4.5	4.0	0.0	0.1	12.4	0.3	0.5	-4.8

Country name	Gross national saving	Consumption of fixed capital	Net national saving	Education expenditure	Energy depletion	Mineral depletion	Net forest depletion	PM ₁₀ damage*	CO ₂ damage	Genuine saving
Faeroe Islands	..	..	..	..	..	..	..	..	..	..
Fiji	4.9	10.4	-5.4	4.6	0.0	0.2	0.0	..	0.3	..
Finland	28.3	16.4	12.0	7.0	0.0	0.0	0.0	0.1	0.3	18.6
France	22.0	12.6	9.4	5.1	0.0	0.0	0.0	0.0	0.2	14.3
French Polynesia	..	12.6	..	..	0.0	0.0	0.0	..	0.1	..
Gabon	16.6	12.6	4.0	2.7	41.8	0.0	0.0	0.1	0.5	-35.7
Gambia, The	3.4	7.9	-4.4	3.4	0.0	0.0	0.5	0.7	0.4	-2.6
Georgia	12.7	15.6	-2.9	4.3	0.8	0.0	0.0	2.5	1.2	-3.0
Germany	20.3	14.9	5.4	4.3	0.1	0.0	0.0	0.1	0.2	9.3
Ghana	15.6	7.3	8.4	2.8	0.0	1.5	3.3	0.2	0.7	5.6
Greece	19.1	8.7	10.4	3.1	0.1	0.1	0.0	0.7	0.5	12.2
Greenland	..	..	..	..	..	..	..	..	..	..
Grenada	24.1	11.9	12.3	5.4	0.0	0.0	0.0	..	0.3	..
Guam	..	..	..	..	..	..	..	..	..	..
Guatemala	12.6	9.8	2.8	1.6	1.1	0.0	1.1	0.2	0.3	1.7
Guinea	17.2	8.0	9.1	2.0	0.0	3.7	1.9	0.6	0.3	4.8
Guinea-Bissau	-15.1	6.9	-22.1	..	0.0	0.0	0.0	..	0.8	..
Guyana	7.9	9.6	-1.7	3.3	0.0	7.2	0.0	..	1.4	..
Haiti	27.7	1.8	25.9	1.5	0.0	0.0	0.8	0.2	0.2	26.1
Honduras	25.9	5.6	20.3	3.5	0.0	0.1	0.0	0.2	0.5	23.0
Hong Kong, China	31.8	13.1	18.7	2.8	0.0	0.0	0.0	0.0	0.1	21.4
Hungary	23.1	11.8	11.3	4.9	0.7	0.0	0.0	0.4	0.7	14.4
Iceland	14.8	13.5	1.2	5.2	0.0	0.0	0.0	..	0.2	..
India	24.2	9.6	14.6	3.9	2.3	0.4	0.9	0.7	1.4	12.9
Indonesia	21.0	5.6	15.4	1.4	12.5	1.4	0.0	0.5	1.1	1.3
Iran, Islamic Rep. of	38.0	9.1	28.8	4.0	41.7	0.2	0.0	0.7	1.8	-11.5
Iraq	..	..	..	..	..	..	..	..	..	..
Ireland	29.5	11.9	17.6	5.7	0.0	0.1	0.0	0.1	0.3	22.7
Isle of Man	..	..	..	..	..	..	..	..	..	..
Israel	17.2	15.1	2.1	6.8	0.0	0.1	0.0	0.0	0.3	8.5
Italy	20.1	13.7	6.5	4.4	0.1	0.0	0.0	0.2	0.2	10.3
Jamaica	22.5	11.0	11.6	5.9	0.0	1.5	0.0	0.3	0.8	14.8
Japan	28.4	15.9	12.5	3.1	0.0	0.0	0.0	0.4	0.1	15.1
Jordan	21.0	10.6	10.4	5.0	0.3	1.3	0.0	0.7	1.1	11.9
Kazakhstan	23.3	9.9	13.4	4.4	41.5	1.0	0.0	0.4	4.2	-29.2
Kenya	13.4	7.7	5.7	6.0	0.0	0.0	0.1	0.2	0.5	10.9
Kiribati	..	4.8	..	..	0.0	0.0	0.0	..	0.2	..
Korea, Dem. People's Republic of	..	..	..	..	..	..	..	..	..	..

Country name	Gross national saving	Consumption of fixed capital	Net national saving	Education expenditure	Energy depletion	Mineral depletion	Net forest depletion	PM ₁₀ damage*	CO ₂ damage	Genuine saving
Korea, Rep. of	34.0	12.2	21.7	3.1	0.0	0.0	0.0	0.8	0.5	23.6
Kuwait	40.0	6.5	33.5	5.0	48.7	0.0	0.0	2.0	0.6	-12.9
Kyrgyz Republic	15.5	7.8	7.7	3.4	1.3	0.0	0.0	0.2	2.1	7.4
Lao PDR	21.1	7.7	13.4	1.8	0.0	0.0	0.0	0.2	0.1	14.8
Latvia	18.2	10.7	7.5	5.1	0.0	0.0	0.0	0.3	0.5	11.8
Lebanon	2.1	10.2	-8.1	2.5	0.0	0.0	0.0	0.6	0.5	-6.6
Lesotho	16.9	6.4	10.5	7.3	0.0	0.0	2.1	0.4	..	..
Liberia	..	8.5	..	..	0.0	8.0	2.3	0.0	0.6	..
Libya	..	..	..	..	..	..	..	..	..	..
Liechtenstein	..	..	..	..	..	..	..	..	..	..
Lithuania	13.9	10.2	3.7	5.2	0.5	0.0	0.0	0.7	0.6	7.1
Luxembourg	36.0	13.4	22.6	3.7	0.0	0.0	0.0	..	0.3	..
Macao, China	47.2	12.6	34.6	3.6	0.0	0.0	0.0	..	0.2	..
Macedonia, FYR	23.5	9.9	13.6	4.9	0.0	0.0	0.0	0.3	1.9	16.3
Madagascar	9.0	7.3	1.7	1.8	0.0	0.0	0.0	0.2	0.4	2.9
Malawi	3.0	6.8	-3.8	4.4	0.0	0.0	1.6	0.2	0.3	-1.4
Malaysia	40.1	11.8	28.3	4.7	11.4	0.0	0.0	0.1	1.0	20.5
Maldives	36.8	10.6	26.2	6.1	0.0	0.0	0.0	..	0.5	..
Mali	13.9	7.1	6.8	2.1	0.0	0.0	0.0	0.5	0.1	8.3
Malta	15.4	7.5	7.9	4.9	0.0	0.0	0.0	..	0.4	..
Marshall Islands	..	7.8	..	..	0.0	0.0	0.0	..	..	..
Mauritania	16.7	7.5	9.1	3.7	0.0	19.9	0.8	..	1.9	..
Mauritius	25.1	10.8	14.2	3.3	0.0	0.0	0.0	..	0.4	..
Mayotte	..	..	..	..	..	..	..	..	..	..
Mexico	21.0	10.6	10.4	5.0	5.9	0.1	0.0	0.5	0.4	8.4
Micronesia, Federated States of	..	8.9	..	..	0.0	0.0	0.0	..	..	..
Moldova	15.6	7.1	8.6	3.5	0.0	0.0	0.0	0.5	2.9	8.7
Monaco	..	..	..	..	..	..	..	..	..	..
Mongolia	29.1	10.8	18.3	5.7	0.0	1.9	0.0	0.5	4.7	16.8
Morocco	22.9	9.4	13.4	4.8	0.0	0.6	0.0	0.2	0.7	16.8
Mozambique	11.2	7.4	3.8	3.8	0.0	0.0	0.0	0.4	0.2	7.0
Myanmar	..	..	..	0.9	..	..	..	..	..	..
N. Mariana Islands	..	..	..	..	..	..	..	..	..	..
Namibia	27.5	13.1	14.4	7.4	0.0	0.3	0.0	0.2	0.3	21.0
Nepal	21.8	2.4	19.5	3.2	0.0	0.0	3.3	0.1	0.4	18.9
Netherlands	26.1	14.7	11.4	4.9	0.5	0.0	0.0	0.4	0.2	15.1
Netherlands Antilles	..	..	..	..	..	..	..	..	..	..

Country name	Gross national saving	Consumption of fixed capital	Net national saving	Education expenditure	Energy depletion	Mineral depletion	Net forest depletion	PM ₁₀ damage*	CO ₂ damage	Genuine saving
New Caledonia	..	12.4	..	..	0.0	0.0	0.0	..	0.4	..
New Zealand	17.7	10.9	6.8	6.9	1.3	0.1	0.0	0.0	0.4	11.8
Nicaragua	17.3	9.1	8.2	3.7	0.0	0.1	0.9	0.0	0.6	10.3
Niger	2.6	6.7	-4.0	2.3	0.0	0.0	4.1	0.4	0.4	-6.7
Nigeria	25.7	8.4	17.3	0.9	50.8	0.0	0.0	0.8	0.6	-33.9
Norway	36.9	16.2	20.7	6.1	8.0	0.0	0.0	0.1	0.2	18.5
Oman	29.9	11.7	18.1	3.9	47.8	0.0	0.0	..	0.6	..
Pakistan	19.9	7.8	12.1	2.3	3.1	0.0	0.8	1.0	0.9	8.6
Palau	..	10.9	..	..	0.0	0.0	0.0	..	1.2	..
Panama	24.9	7.9	17.0	4.5	0.0	0.0	0.0	0.3	0.3	20.8
Papua New Guinea	..	8.9	..	..	17.8	11.7	0.0	0.0	0.4	..
Paraguay	14.5	9.5	5.0	3.9	0.0	0.0	0.0	0.4	0.3	8.2
Peru	18.1	10.2	7.8	2.6	1.4	1.6	0.0	0.6	0.3	6.5
Philippines	26.7	8.2	18.5	2.8	0.0	0.1	0.8	0.4	0.6	19.5
Poland	18.8	11.0	7.8	6.3	0.5	0.1	0.0	0.7	1.1	11.7
Portugal	18.8	15.3	3.5	5.7	0.0	0.0	0.0	0.4	0.3	8.5
Puerto Rico	..	11.2	..	..	0.0	0.0	0.0	..	0.1	..
Qatar	..	..	..	..	..	..	..	..	..	..
Romania	15.5	9.7	5.8	3.6	4.4	0.1	0.0	0.2	1.4	3.3
Russian Federation	37.1	10.0	27.1	3.5	39.6	0.4	0.0	0.6	3.4	-13.4
Rwanda	12.7	7.1	5.6	3.5	0.0	0.0	3.0	0.0	0.2	5.9
Samoa	..	9.5	..	4.0	0.0	0.0	1.8	..	0.3	..
São Tomé and Príncipe	-3.3	8.0	-11.2	..	0.0	0.0	0.0	..	1.2	..
Saudi Arabia	29.4	10.0	19.5	7.2	51.0	0.0	0.0	1.0	1.2	-26.5
Senegal	11.6	8.1	3.5	3.7	0.0	0.1	0.3	..	0.6	..
Serbia and Montenegro	-2.6	8.7	-11.3	..	2.3	0.3	0.0	0.2	3.5	..
Seychelles	19.5	9.5	10.1	6.3	0.0	0.0	0.0	..	0.2	..
Sierra Leone	2.7	6.4	-3.8	3.9	0.0	0.0	6.3	0.4	0.5	-7.1
Singapore	47.7	14.0	33.7	2.3	0.0	0.0	0.0	0.4	0.4	35.2
Slovak Republic	22.9	11.0	12.0	4.0	0.1	0.0	0.0	0.1	1.1	14.7
Slovenia	23.8	12.0	11.8	5.4	0.0	0.0	0.0	0.2	0.5	16.5
Solomon Islands	..	8.5	..	3.8	0.0	0.1	10.4	..	0.3	..
Somalia	..	..	..	..	..	..	..	..	..	..
South Africa	15.7	13.3	2.4	7.5	0.0	1.0	0.3	0.2	1.6	6.9
Spain	23.0	12.9	10.1	4.4	0.0	0.0	0.0	0.4	0.3	13.7
Sri Lanka	21.9	5.2	16.7	2.9	0.0	0.0	0.5	0.3	0.4	18.4
St. Kitts and Nevis	32.9	12.9	20.0	3.9	0.0	0.0	0.0	..	0.2	..

Country name	Gross national saving	Consumption of fixed capital	Net national saving	Education expenditure	Energy depletion	Mineral depletion	Net forest depletion	PM ₁₀ damage*	CO ₂ damage	Genuine saving
St. Lucia	16.3	11.7	4.6	7.7	0.0	0.0	0.0	..	0.3	..
St. Vincent	19.3	11.1	8.2	4.7	0.0	0.0	0.0	..	0.3	..
Sudan	7.6	9.2	-1.5	0.9	0.0	0.1	0.0	0.6	0.3	-1.6
Suriname	-0.6	9.1	-9.7	..	12.1	2.1	0.0	..	1.4	..
Swaziland	13.4	9.1	4.3	5.1	0.0	0.0	0.0	0.1	0.2	9.1
Sweden	22.3	14.0	8.3	7.7	0.0	0.1	0.0	0.0	0.1	15.8
Switzerland	32.8	14.5	18.3	4.9	0.0	0.0	0.0	0.2	0.1	22.9
Syrian Arab Rep.	24.3	9.6	14.7	3.5	34.5	0.1	0.0	0.8	1.9	-19.1
Taiwan, China	25.6	12.3	13.3	..	0.0	0.0	0.0	..	0.4	..
Tajikistan	1.7	7.0	-5.3	2.0	0.7	0.0	0.0	0.2	2.5	-6.7
Tanzania	12.4	7.4	5.1	2.4	0.0	0.2	0.0	0.2	0.3	6.8
Thailand	30.9	14.9	15.9	3.6	1.6	0.0	0.3	0.4	1.0	16.3
Togo	0.9	7.5	-6.6	4.2	0.0	0.2	4.3	0.3	0.8	-7.9
Tonga	-13.7	9.6	-23.3	4.7	0.0	0.0	0.1	..	0.4	..
Trinidad and Tobago	28.7	12.4	16.3	4.2	29.7	0.0	0.0	0.0	2.1	-11.4
Tunisia	24.3	10.0	14.3	6.4	4.8	0.6	0.2	0.3	0.6	14.1
Turkey	20.1	6.8	13.2	3.1	0.3	0.0	0.0	1.2	0.7	14.1
Turkmenistan	50.5	8.9	41.6	..	182.7	0.0	0.0	0.3	7.7	..
Uganda	15.0	7.3	7.7	1.9	0.0	0.0	6.1	0.0	0.2	3.4
Ukraine	25.6	19.4	6.2	6.4	7.4	0.0	0.0	1.0	6.7	-2.5
United Arab Emirates	..	..	..	..	..	..	..	0.0	..	..
United Kingdom	15.0	11.5	3.5	5.3	1.1	0.0	0.0	0.1	0.2	7.3
United States	17.4	11.7	5.7	4.2	1.2	0.0	0.0	0.3	0.3	8.2
Uruguay	11.2	11.6	-0.4	2.7	0.0	0.0	0.0	1.9	0.2	0.2
Uzbekistan	18.2	8.4	9.8	9.4	42.1	0.0	0.0	0.6	5.2	-28.6
Vanuatu	..	9.8	..	6.9	0.0	0.0	0.0	..	0.2	..
Venezuela, R. B. de	28.5	7.2	21.3	4.4	27.3	0.3	0.0	0.0	0.8	-2.7
Vietnam	31.7	7.9	23.8	2.8	8.7	0.1	1.0	0.4	1.1	15.5
Virgin Islands (U.S.)	..	..	..	..	..	..	..	..	..	..
West Bank and Gaza	-5.5	8.2	-13.6	..	0.0	0.0	0.0	..	..	..
Yemen, Rep. of	34.4	8.9	25.5	..	43.2	0.0	0.0	0.5	0.6	..
Zambia	4.0	7.9	-3.9	2.0	0.0	2.5	0.0	..	0.4	..
Zimbabwe	11.9	8.5	3.3	6.9	0.0	0.6	0.0	0.5	1.3	7.8

Source: Authors.

*Data for particulate matter damage are for 2001.

.. means missing values.