

	USA	Brazil	Canada	China	EU	India	Mexico	Russia	World
Agriculture, forestry and fishing	1.0	1.2	1.4	1.2	1.2	0.9	1.6	1.8	1.0
Mining and extraction of energy producing products	1.0	1.1	1.6	2.2	0.9	5.9	1.5	2.2	1.3
Mining and quarrying of non-energy producing products	1.0	0.6	1.6	2.2	0.8	4.7	1.0	3.2	1.4
Mining support service activities	1.0	1.8	1.5	5.2	1.9	2.5	1.6	4.2	1.9
Food products, beverages and tobacco	1.0	1.0	1.0	1.4	0.8	1.5	0.9	1.8	1.1
Textiles, wearing apparel, leather and related products	1.0	0.8	1.0	1.8	0.8	2.3	1.1	1.9	1.5
Wood and products of wood and cork	1.0	1.0	1.3	1.8	0.9	3.7	1.7	2.9	1.4
Paper products and printing	1.0	0.9	1.0	1.7	0.8	2.3	1.1	2.4	1.2
Coke and refined petroleum products	1.0	0.9	1.3	1.6	1.3	1.8	1.9	1.7	1.3
Chemicals and pharmaceutical products	1.0	0.9	1.5	2.6	0.8	2.1	1.2	5.5	1.6
Rubber and plastic products	1.0	0.9	1.0	2.7	0.7	2.1	1.1	2.9	2.0
Other non-metallic mineral products	1.0	0.7	0.9	1.6	1.0	2.5	0.9	2.7	1.3
Basic metals	1.0	1.3	1.0	1.8	0.9	2.7	0.7	3.7	1.5
Fabricated metal products	1.0	1.3	0.9	3.1	0.9	6.1	1.4	4.8	1.8
Computer, electronic and optical products	1.0	2.5	2.3	5.7	2.1	8.0	3.4	7.4	4.0
Electrical equipment	1.0	1.5	1.2	3.1	1.0	3.9	1.4	4.8	2.2
Machinery and equipment	1.0	1.0	0.9	2.8	0.8	4.0	1.2	4.5	1.8
Motor vehicles, trailers and semi-trailers	1.0	1.2	0.9	2.4	0.7	3.5	1.0	3.6	1.3
Other transport equipment	1.0	1.3	0.9	2.8	0.8	3.5	1.3	3.2	1.5
Other manufacturing; repair and installation of machinery and equipment	1.0	1.0	1.0	2.8	0.7	4.2	1.7	4.1	1.9
Economy-Wide	1.0	1.1	1.3	3.2	0.9	3.8	1.4	4.2	1.8

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AMERICA'S CARBON ADVANTAGE

By leading and establishing a new order on climate and trade, America can leverage its significant carbon advantage to enhance the competitiveness of U.S. businesses, bring manufacturing jobs back to the U.S. and boost climate ambition around the world.

Catrina Rorke

Greg Bertelsen

TABLE A.

AMERICA'S CARBON EFFICIENCY ADVANTAGE IN BULK
CHEMICALS MANUFACTURING VS. GLOBAL TOP PRODUCERS

	USA	China	EU	Saudi Arabia	World
Benzene	1.0	1.4	1.5	1.3	1.3
Toluene	1.0	1.2	1.2	1.1	1.1
Ammonia	1.0	2.1	1.0	0.9*	1.3
Polyethylene	1.0	1.8	0.8	1.1	1.1
Polypropylene	1.0	2.9	1.0	1.4	1.6

**Not a major producer of ammonia*

	U.S. Carbon Advantage (foreign competitors less carbon-efficient)
	U.S. Carbon Disadvantage (foreign competitors more carbon-efficient)
	U.S. Carbon Efficiency or Equivalent

Source: Carbon Minds (2022), *cm.chemicals* database V1.01
2022; index calculations by Climate Leadership Council