

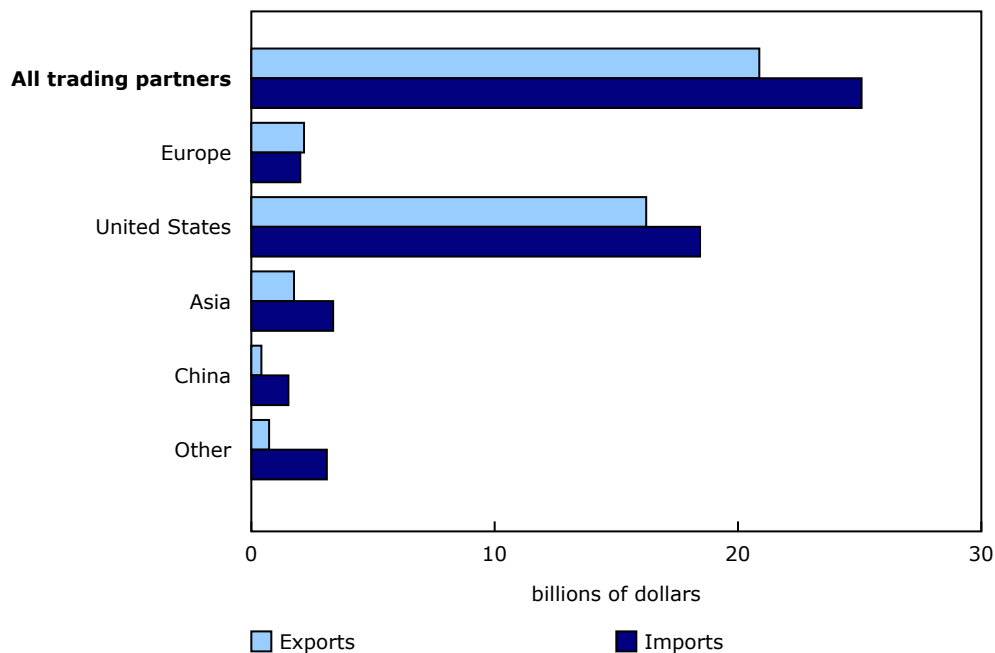
International trade in environmental and clean technology products by origin and destination, 2022

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Canada exported \$20.9 billion of environmental and clean technology (ECT) products in 2022, accounting for 2.2% of total Canadian exports. The imports value of ECT products (\$25.1 billion) was higher than that of exports and represented 2.6% of total Canadian imports. As a result, the trade deficit in ECT products in 2022 reached \$4.2 billion, which is larger than the \$3.7 billion annual trade deficit for the entire Canadian economy.

Additional information and statistics on the environment can be found in the [Environment Statistics](#) portal and in the [International trade in environmental and clean technology products, by trading partner](#), visualization tool.

Chart 1
Canadian trade in environmental and clean technology products by world region and selected country, 2022



Note(s): This chart is a combination of Canada's main trade partners for world regions and selected countries. As a result, parts shown do not sum to the total of exports and imports. Estimates are preliminary and will be revised when updated data become available.

Source(s): Table 36-10-0646-01.

The majority of Canadian environmental and clean technology product exports are destined for the United States

Canada exported \$16.2 billion worth of ECT products to the United States in 2022, representing just over three-quarters (77.7%) of total Canadian exports of ECT products. Environmental products accounted for more than half (53.4%) of the exports to the United States, followed by manufactured goods associated with clean technologies (38.6%) and clean technology services (8.0%).

Europe was Canada's second-largest export partner in 2022, receiving over one-tenth (\$2.2 billion) of the total ECT exports. Combined, three countries purchased just over half of these exports: the United Kingdom (18.1%), the Netherlands (16.6%) and Norway (15.5%).

In 2022, Canada exported \$413.5 million of ECT products to China, accounting for nearly one-quarter (23.6%) of the exports destined for Asia, the third-largest export partner. China was Canada's largest export partner in Asia, followed by India (\$348.4 million).

Most Canadian environmental and clean technology products are imported from the United States

In 2022, Canada imported \$18.4 billion worth of ECT products from the United States, representing almost three-quarters (73.5%) of its total ECT product imports. The largest share of imports consisted of manufactured goods associated with clean technologies (\$9.8 billion) and biofuels and primary goods (\$4.8 billion). This ranking was relatively unchanged from one year earlier.

Other major regions for the import of ECT products were Asia (13.4% or \$3.4 billion) and Europe (8.0% or \$2.0 billion). Canada's principal import partners in Asia were China, Japan and South Korea, while in Europe, they were Germany and the United Kingdom.

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Note to readers

The Environmental and Clean Technology Products Economic Account (ECTPEA) measures the economic contribution of environmental and clean technology (ECT) products in terms of output, gross domestic product, employment (number of jobs) and other economic variables. Estimates are directly comparable with national results for the Canadian economy. The trade estimates released today provide country of origin and destination detail of the export and import values already released in table [36-10-0629-01](#).

Estimates for 2021 and 2022 are preliminary and will be revised when updated data become available, including the supply and use tables for those reference years.

ECT products are defined as any process, product or service that reduces environmental impacts through any of the following three strategies:

- environmental protection activities that prevent, reduce or eliminate pollution or any other degradation of the environment;
- resource management activities that result in the more efficient use of natural resources, thus safeguarding against their depletion;
- the use of products that have been adapted to be significantly less energy or resource intensive than the industry standard.

Two broad categories of ECT products are traded: environmental goods and services (including clean electricity, biofuels and primary goods, waste goods, and waste management and remediation services) and clean technology goods and services (including manufactured goods, scientific and research and development services, construction services, and support services). The products follow the Supply and Use Product Classification used in the Canadian System of Macroeconomic Accounts.

As part of the Government of Canada's initiative to develop the Clean Technology Data Strategy, the ECTPEA provides comprehensive measures of the supply and use of environmental and clean technology products in the Canadian economy. The ECTPEA has a broader scope than the Survey of Environmental Goods and Services (SEGS) because it captures all economy-wide transactions in the ECT products sector, including elements such as clean energy and scrap goods. The government and non-profit sectors are also fully covered in the ECTPEA.

The compilation of the ECTPEA draws on a variety of data sources, including Statistics Canada's supply and use tables, detailed import and export statistics released in Canada's balance of international payments, and the SEGS.

Examples of environmental goods and services and clean technologies are available in the publication [Clean technologies and the Survey of Environmental Goods and Services: A technical reference guide \(16-511-X\)](#).

Available tables: table [36-10-0646-01](#).

Definitions, data sources and methods: survey number [1901](#).

For more information, or to enquire about the concepts, methods or data quality of this release, contact us (toll-free 1-800-263-1136; 514-283-8300; infostats@statcan.gc.ca) or Media Relations (statcan.mediahotline-ligneinfomedias.statcan@statcan.gc.ca).