Canada's Policy Support for Cleantech Exports: Report card

Methodology

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Research methodology

In it's report *Canada's Policy Support for Clean Technology Exports – Report Card* the Pembina Institute identified policies and programs that support the research, development, commercialization and export of clean technology in Canada. A brief literature review was conducted to familiarize the researchers with the subject matter. A thorough desktop scan was undertaken to identify policies that support cleantech for the federal and 10 provincial governments. The Pembina Institute also engaged in direct communication with subject matter experts to identify existing policies and policy gaps. The Pembina Institute included policies that target cleantech specifically, as well as broader policies that include several sectors, cleantech included (e.g. general R&D tax credits). The project only identified policies; it did not evaluate the impact of policies.[1] Upon completion of the scan, The Pembina Institute sorted the programs and policies by function and grouped them into three categories, with two subcategories each. Table 1 summarizes the groupings of the policy types.

Table 1: Policy types and groupings used for evaluation

Creating domestic deployment opportunities	Policy type
Structural Frameworks	Carbon pricing
	Renewables support
	Coal phase out / performance standards
Technical Support	Government investment in public fleets/buildings
	Cleantech demonstration projects
Business Development	**Policy type**
Research & Development Focused	Start up + R&D funding (General)
	Start up + R&D funding (Cleantech specific)
	Tax support (R&D general)
Commercialization Focused	Commercialization funding (General)
	Market growth funding (Cleantech specific)

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[1] The Pembina Institute hopes to evaluate these policies in a future research project, once funding becomes available.

Supporting Export Programs	Policy type
	Tax support (Investment)
	Tax support (other)
	Clean tech specific tax support
	Others
Business Support	Financial support (general)
	Financial support (Cleantech specific)
	Managerial capacity support (general)
	Managerial capacity support (Cleantech specific)
	General proactive measures to stimulate cleatech internationalization
Strengthening trade relationships	Trade missions, trade ministries (general)
	Information and contact funding and support (general)
	Information and contact funding and support (Cleantech specific)
	Trade agreements + MOUs

Evaluation methodology

To evaluate policy coverage, the Pembina Institute created three categories to evaluate each of the six subgroups based on the number of policy types present. In each of the subcategories the policies were scored. One point was given for policies that were designed explicitly for the clean technology sector and half a point for policies applicable to but not directly designed for the clean technology sector. Each subcategory was then averaged and received a percentage score. The scoring is as follows: little to no policies in place (0 to 33.3% of policies present in subgroup), some policies in place (33.4 to 66.6% of policies present in subgroup),and several policies in place (66.7 to 100% of policies present in subgroup).

External review of data

To verify the data, the Pembina Institute conducted an external review of our research findings with subject matter experts from the appropriate jurisdiction. The reviewers included provincial government and government agency staff, crown corporation staff and cleantech industry and research association staff. A successful review was completed in all jurisdictions except P.E.I., where no reviewers were available. Table 2 summarizes reviewers by jurisdiction and organization.

Table 2: Reviewer jurisdictions and organizations

Jurisdiction	Organization of reviewer
Canada	Crown corporation (SDTC)
Newfoundland and Labrador	Provincial government
Prince Edward Island	No reviewer available
Nova Scotia	Crown corporation (Innovacorp)
New Brunswick	Provincial Government
Quebec	Crown Corporation (SDTC)
Ontario	Cleantech research group (MaRS)
Manitoba	Crown corporation (SDTC)
Saskatchewan	Provincial government
Alberta	Crown corporation (CCEMC)
British Columbia	Provincial government

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