

What Gets Measured Gets Done: Challenges in Monitoring Water, Energy, and Food Security in Northern Canada

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APPENDIX

TABLE A1. Global (GIF) and Canadian (CIF) indicator frameworks (SDG 2, 6, and 7).

SDG 2 – End hunger, achieve food security and better nutrition, and promote sustainable agriculture	
GIF	<ul style="list-style-type: none">2.1.1 • Prevalence of undernourishment.2.1.2 • Prevalence of moderate or severe food insecurity in the population based on the Food Insecurity Experience Scale (FIES).2.2.1 • Prevalence of stunting (height for age < 2 standard deviation from the median of the World Health Organization (WHO) Child Growth Standards) among children under 5 years of age.2.2.2 • Prevalence of malnutrition (weight for height > 2 or < 2 standard deviation from the median of the WHO Child Growth Standards) among children under 5 years of age by type (wasting and overweight).2.3.1 • Volume of production per labour unit by classes of farming/pastoral/forestry enterprise size.2.3.2 • Average income of small-scale food producers by sex and Indigenous status.2.4.1 • Proportion of agricultural area under productive and sustainable agriculture.2.5.1 • Number of plant and animal genetic resources for food and agriculture secured in either medium or long-term conservation facilities.2.5.2 • Proportion of local breeds classified as being at risk, not-at-risk, or at unknown level of risk of extinction.
CIF	<ul style="list-style-type: none">2.1.1 • Prevalence of food insecurity (moderate or severe).2.2.1 • Index of agri-environmental sustainability for water, soil, air, and biodiversity.
SDG 6 – Ensure availability and sustainable management of water and sanitation for all	
GIF	<ul style="list-style-type: none">6.1.1 • Proportion of population using safely managed drinking water services.6.2.1 • Proportion of population using safely managed sanitation services, including handwashing with soap and water.6.3.1 • Proportion of wastewater safely treated.6.3.2 • Proportion of bodies of water with good ambient water quality.6.4.1 • Change in water use efficiency over time.6.4.2 • Level of water stress: freshwater withdrawal as a proportion of available freshwater resources.6.5.1 • Degree of integrated water resources management implementation (0-100).6.5.2 • Proportion of transboundary basin area with an operational arrangement for water cooperation.6.6.1 • Change in the extent of water-related ecosystems over time.
CIF	<ul style="list-style-type: none">6.1.1 • Number of long-term drinking advisories on public systems on First Nations reserves.6.2.1 • Percentage of municipalities across Canada with sustained drinking water advisories.6.3.1 • Water use growth rate.6.4.1 • Water quality in Canadian rivers.
SDG 7 – Ensure access to affordable, reliable, sustainable, and modern energy for all	
GIF	<ul style="list-style-type: none">7.1.1 • Proportion of population with access to electricity.7.1.2 • Proportion of population with primary reliance on clean fuels and technology.7.2.1 • Renewable energy share in the total final energy consumption.7.3.1 • Energy intensity measured in terms of primary energy and gross domestic product.
CIF	<ul style="list-style-type: none">7.1.1 • Annual energy savings resulting from adoption of energy efficiency codes, standards, and practices.7.2.1 • Total energy consumption per capita.7.3.1 • Proportion of electricity generated from renewable and non-greenhouse gas emitting sources.

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