

C A N A D A

PROVINCE DE QUÉBEC  
DISTRICT DE MONTRÉAL

DOSSIERS R-3640-2007

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RÉGIE DE L'ÉNERGIE

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CAUSE TARIFAIRE 2008  
DE TRANSÉNERGIE

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HYDRO-QUÉBEC  
En sa qualité de Transporteur (TransÉnergie)

Demanderesse

-et-

STRATÉGIES ÉNERGÉTIQUES (S.É.)

ASSOCIATION QUÉBÉCOISE DE LUTTE  
CONTRE LA POLLUTION ATMOSPHÉRIQUE  
(AQLPA)

Intervenantes

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**ENVIRONMENTAL BOTTOM LINE: F2007 BC HYDRO/GRI COMPARATIVE INDEX**

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[HTTP://WWW.BCHYDRO.COM/INFO/REPORTS/REPORTS52556.HTML](http://www.bchydro.com/info/reports/reports52556.html)

Déposé par

Stratégies Énergétiques (S.É.)  
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Le 15 octobre 2007



**ENVIRONMENTAL BOTTOM LINE: F2007 BC HYDRO/GRI COMPARATIVE INDEX**  
**ENVIRONMENTAL INDICATORS**

<b>Alignment Key</b>		
	means	<b>Yes, good BC Hydro alignment with GRI</b>
	means	<b>Yes, partial BC Hydro alignment with GRI</b>
	means	<b>No BC Hydro alignment with GRI</b>

New indicators for F2007 appear in **Bold**.

<b>BCH No.</b>	<b>BC Hydro F2007 Performance Measures</b>	<b>GRI Performance Measures</b>	<b>GRI No.</b>
<b>Materials</b>			
EN1(2)	<u>Radioactive Materials Inventory</u>	Total material use other than water, by type.	EN1
EN9(1)	<u>In-Use Inventory and Releases of Ozone Depleting Substances</u>		
EN30(1)	<u>Sulphur Hexafluoride Gas Inventory and Emission Rate</u>		
	Not Tracked, Not Reported	Percentage of materials used that are wastes from external sources.	EN2
<b>Energy</b>			
EN10(1)	<u>Air Emissions and Direct Energy Use</u>	Direct energy use segmented by primary source.	EN3
EN3(4)	<u>Customer Energy Intensity</u>		
EN8(1)	<u>Greenhouse Gas Emissions</u>	Indirect energy use.	EN4
EN3(4)	<u>Customer Electricity Intensity</u>		
EN17(1)	<u>Green Energy Results (formerly Green Gigawatt Hours)</u>	Initiatives to use renewable energy sources and increase energy efficiency.	EN17
EN17(2)	<u>Clean Energy Delivered</u>		
EN17(4)	<u>Demand-Side Management</u>		
EN17(6)	<u>Resource Smart Energy Gains Delivered</u>		
EN17(8)	<u>Green Power Certificates</u>		

EN17(9)	<u>Line Loss and System Use [PDF, 226 Kb] (2007 Annual Report. Total Requirements for Electricity &amp; Sources of Supply, page 120.)</u>		
	Not Applicable to Electricity	Energy consumption footprint (i.e. annualized lifetime energy requirements of major products).	EN18
EN34(1)	<u>Transportation Demand Management</u>	Other indirect (upstream/downstream) energy use and implications, such as travel, product lifecycle management, and use of energy-intensive materials.	EN19
EC2(6)	<u>Demand Growth (with and without Demand-Side Management)</u>		
<b>Water</b>			
EN5(1)	<u>Total Water Use (including discharges)</u>	Total Water Use	EN5
EN7(1)	<u>Status of Water Use Planning</u>	Water sources and related ecosystems/ habitats significantly affected by use of water.	EN20
EN28(1)	<u>Biodiversity, Habitat, and Species-at-Risk</u>		
	Not Reported (No Data)	Annual withdrawals of groundwater and surface water as a percentage of annual renewable quantity of water available from the sources.	EN21
EN5(1)	<u>Total Water Use, Including Discharges</u>		
EN10(1)	<u>Air Emissions (CO<sub>2</sub>, NO<sub>x</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SO<sub>x</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, metals) and Direct Energy Use</u>	Total recycling and reuse of water.	EN22
<b>Biodiversity</b>			
EN6(1)	<u>Total Land Area Owned or Managed by BC Hydro</u>	No. of hectares of land owned, leased or managed in biodiversity-rich habitats.	EN6
EN28(1)	<u>Biodiversity, Habitat, and Species-at-Risk</u>		
EN7(1)	<u>Status of Water Use Planning</u>	Description of the major impacts on biodiversity associated with activities and/or products and	EN7
EN7(2)	<u>Contaminated Sites Management</u>		

EN28(1)	<u>Biodiversity, Habitat, and Species-at-Risk</u>	services in terrestrial, freshwater and marine environments.	
EN6(1)	<u>Total Land Area Owned or Managed by BC Hydro</u>	Total amount of land owned, leased or managed for production activities or extractive use.	EN23
	Not applicable due to very small fraction of total area (<1%)	Amount of impermeable surface as a percentage of land purchased or leased.	EN24
EN25(1)	<u>Status of Reservoir Archaeology Management Plans</u>	Impacts of activities and operations on protected and sensitive areas.(e.g., IUCN protected area categories 1-4, world heritage sites and biosphere reserves).	EN25
EN28(1)	<u>Biodiversity, Habitat, and Species-at-Risk</u>	Changes to natural habitats resulting from activities and operations and percentage of habitat protected or restored. (Identify type of habitat affected and its status.)	EN26
		Objectives, programs and targets for protecting and restoring native ecosystems and species in degraded areas.	EN27
		Number of IUCN Red List species with habitats in areas affected by operations.	EN28
		Business units currently operating or planning operations in or around protected or sensitive areas.	EN29
<b>Emissions, Effluents and Waste</b>			
EN8(1)	<u>Greenhouse Gas Emissions</u>	Greenhouse gas emissions.	EN8
EN10(1)	<u>Air Emissions (CO<sub>2</sub>, NO<sub>x</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SO<sub>x</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, metals) and Direct Energy Use</u>		
EN30(1)	<u>Sulphur Hexafluoride Gas Inventory and Emission Rate</u>		

EN9(1)	<u>In-Use Inventory and Releases of Ozone Depleting Substances</u>	Use and emissions of ozone depleting substances.	EN9
EN10(1)	<u>Air Emissions (CO<sub>2</sub>, NO<sub>x</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SO<sub>x</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, metals) and Direct Energy Use</u>	NO <sub>x</sub> , SO <sub>x</sub> , and other significant emissions by type.	EN10
EN11(2)	<u>Insulating Oil Reused</u>	Total amount of waste, by type and destination.	EN11
EN11(3)	<u>Resources Recovered and Solid Waste</u>		
EN31(1)	<u>Hazardous Wastes Shipped</u>		
EN5(1)	<u>Total Water Use, Including Discharges</u>	Significant discharges to water, by type.	EN12
EN13(1)	<u>Spills and Unintended Releases</u>	Significant spills of chemicals, oil or fuels, by total number and total volume.	EN13
EN16(1)	<u>Warning Letters Received from Regulators</u>		
EN13(3)	<u>Environmental Regulatory Compliance</u>		
EN30(1)	<u>Sulphur Hexafluoride Gas Inventory and Emission Rate</u>	Other relevant indirect greenhouse gas emissions. (CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFCs, PFCs, SF <sub>6</sub> ).	EN30
EN10(1)	<u>Direct Energy Use and Air Emissions (CO<sub>2</sub>, NO<sub>x</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SO<sub>x</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, metals)</u>		
EN31(1)	<u>Hazardous Wastes Shipped</u>	All production, transport, import or export "hazardous" waste.	EN31
EN5(1)	<u>Total Water Use, Including Discharges</u>	Water sources and related ecosystems/habitats significantly affected by discharges of water and runoff.	EN32
EN3(2)	<b>Reservoir Storage</b>		
EN7(1)	<u>Status of Water Use Planning</u>		
EN28(1)	<u>Biodiversity, Habitat, and Species-at-Risk</u>		
<b>Suppliers</b>			
EN33(1)	<u>Use of Eco-Logo</u>	Performance of suppliers relative to environmental components of program and procedures.	EN33
EN33(2)	<u>Environmental Purchasing Clause in Tender Documents</u>		
EN33(3)	<u>Procurement Clause in Social Responsibility Policy</u>		

	Not Applicable to Electricity	Percentage of the weight of products sold that is reclaimable at the end of the products useful life and percentage that is actually reclaimed.	EN15
<b>Compliance</b>			
EN13(1)	<u>Spills and Unintended Releases</u>	Incidents/fines for non-compliance with all applicable international declarations, conventions, treaties and national, sub-national, regional and local regulations associated with environmental issues.	EN16
EN13(3)	<u>Environmental Regulatory Compliance</u>		
EN16(1)	<u>Warning Letters Received from Regulators</u>		
<b>Transport</b>			
EN34(1)	<u>Transportation Demand Management</u>	Significant environmental impacts of transportation used for logistical purposes.	EN34
EN8(1)	<u>Greenhouse Gas Emissions (under "Fleet")</u>		
EN10(1)	<u>Air Emissions (CO<sub>2</sub>, NO<sub>x</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SO<sub>x</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, metals: under "Fleet") and Direct Energy Use</u>		
<b>Overall</b>			
	Measure not considered relevant without common definition	Total environmental expenditures, by type.	EN35

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