

THE NEW 2006-2012 CLIMATE CHANGE ACTION PLAN: *QUÉBEC AND CLIMATE CHANGE: A CHALLENGE FOR THE FUTURE* GHG AVOIDANCE AND REDUCTION POTENTIAL

Avoidance or reduction actions ⁽¹⁾	Total avoidance/reduction potential in 2012 ⁽²⁾ (CO ₂ equivalent)	Total cost of actions for the 2006-2012 period (\$'000)	Departments/ organizations responsible
1. Implement a financing program aimed at energy efficiency for individuals, industries, institutions, companies and municipalities in Québec	990 kt	185,000	AEÉ
2. Amend Québec's building code to improve the energy performance of new buildings and homes built in Québec as of 2008	50 kt	-	AEÉ
3. Adopt the necessary mechanisms to require manufacturers of light-duty vehicles sold in Québec to meet a GHG emissions standard starting in 2010	1,700 kt	-	MDDEP, MTQ
4. Aim to have gas distributors include a minimum 5% of ethanol in their total fuel sales by 2012	780 kt	30,000	MRNF
5. Support Québec's municipalities for the purpose of creating municipal inventories of GHG emissions, drawing up plans to fight climate change and adopting legislation to offset the effects of idling motors	460 kt	14,200	MDDEP
6. Encourage the development and use of public transportation	100 kt	720,000	MTQ
7. Encourage the development and use of transportation alternatives	30 kt	60,000	MTQ
8. Encourage the implementation of intermodal projects for the transportation of merchandise	80 kt	60,000	MTQ
9. Implement a support program for the marketing of technological innovations in energy efficiency in the merchandise transportation sector	1,050 kt	45,000	AEÉ, MTQ
10. Adopt legislation requiring mandatory use of speed limiting devices on all trucks and setting the maximum speed for these vehicles at 105 km/hr.	330 kt	-	MTQ
11. Negotiate voluntary agreements for the reduction of GHGs in Québec's industrial sector	940 kt	1,200	MDDEP
12. Implement the Regulation respecting halocarbons	700 kt	-	MDDEP
13. Implement the Regulation respecting the landfilling and incineration of residual materials	500 kt	-	MDDEP
14. Financial support for the capture of biogas from landfill sites not subject to the Regulation	3,700 kt	38,000	MDDEP

1) All actions that do not incur costs are financed through the regular budgets of the departments and organizations or as part of Québec's energy strategy.

2) Evaluations of avoidance/reduction potential are provided for information purposes and constitute forecasts.

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15. Implement an aid program for waste treatment and energy recovery of agricultural, forest and residual material biomass	1,800 kt	124,000	AEÉ, MAPAQ, MDDEP, MDEIE, MRNF
16. By 2010, improve energy efficiency of public buildings by 10% to 14% under the 2003 level and reduce the fuel consumption of government departments and public organizations by 20%	150 kt	-	AEÉ
17. Require each government department to develop a program by 2008 to reduce GHG emissions generated by employees commuting to work	20 kt	9,000	MDDEP, MTQ
Sub-total	13,380	1,286,400	
Awareness raising and partnership actions	Total avoidance/reduction potential in 2012 ⁽²⁾ (CO ₂ equivalent)	Total cost of actions for the 2006-2012 period (\$'000)	Departments/organizations responsible
18. Support various public awareness raising and partnership initiatives	100 kt	31,480	MDDEP
19. Implement a training program for Québec companies and organizations on the different CO ₂ credit systems	-	3,000	MDEIE
Sub-total	100 kt	34,480	
Actions in research, development and deployment of technologies	Total avoidance/reduction potential in 2012 ⁽²⁾ (CO ₂ equivalent)	Total cost of actions for the 2006-2012 period (\$'000)	Departments/organizations responsible
20. Implement a program to support technological research and innovation for the reduction and sequestration of GHGs	1,100 kt	135,000	AEÉ, MDDEP, MDEIE, MRNF
Sub-total	1,100 kt	135,000	

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Adaptation actions		Total avoidance/reduction potential in 2012⁽²⁾ (CO₂ equivalent)	Total cost of actions for the 2006-2012 period (\$'000)	Departments/organizations responsible
21.	Introduce mechanisms to allow for preventing and mitigating the impacts of climate change on health and public security	-	34,000	MSP, MSSS
22.	Consolidate the monitoring networks for climate, water resources, underground water and air quality	-	24,000	MDDEP
23.	Realize evaluations and research related to climate change impacts and adaptation with regard to the melting permafrost and coastal erosion	-	6,620	MTQ
24.	Determine the vulnerability of Québec's forests and forest industry to climate change and integrate the anticipated impacts into forest management practices	-	6,000	MRNF
25.	Bolster water and air quality management modes	-	12,400	MDDEP
26.	Support Ouranos consortium programming	-	10,000	MDDEP
Sub-total			93,020	
Expenses related to coordinating implementation of measures, development and follow-up on financing mechanisms and accountability		-	1,000	MDDEP
Total		14,580 kt	1,549,900	