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CLIMATE CHANGE ADAPTATION PLANS

Jurisdictions throughout Canada and abroad are developing climate change adaptation plans. This focus on adaptation planning means taking immediate action to help economies, societies, and ecosystems adjust to the anticipated impacts of climate change. This list includes reports, publications, news stories and other resources related to climate change adaptation plans.

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CLIMATE CHANGE ADAPTATION PLANS

Across Canada and abroad, governments and interest groups are drawing up climate change adaptation strategies and frameworks. These plans focus on taking action to adjust to the anticipated impacts of climate change, both for now and in the future. They cover topics such as infrastructure development, public health, agriculture, emergency management, economics, and ecosystem management.

The following list includes reports, journal articles and news stories that relate to climate change adaptation plans.

REPORTS:

British Columbia

Climate Change Adaptation and Biodiversity. Background Report. Eric Kimmel. Simon Fraser University. Adaptation to Climate Change Team. Vancouver: Adaptation to Climate Change Team, 2009.

http://www.sfu.ca/act/documents/ACT_Biodiversity_Background_Report_final.pdf

Climate Change Adaptation and Biodiversity: Transitioning to an Ecosystem-Based Economy in British Columbia. Summary Report. J. O'Riordan. Simon Fraser University. Adaptation to Climate Change Team. Vancouver: Adaptation to Climate Change Team, 2009.

http://www.sfu.ca/act/documents/ACT_Biodiversity_Summary_Recommendations_final.pdf

Climate Change Adaptation: Planning for BC. Deborah Harford, Christine VanDerwill, Amber Church. Victoria: Pacific Institute for Climate Solutions, 2008.

http://www.llbc.leg.bc.ca/public/PubDocs/bcdocs/453683/Adaptation_Priorities.pdf

Climate Change, Impacts and Adaptation Scenarios: Climate Change and Forest and Range Management in British Columbia. David Spittlehouse. British Columbia. Ministry of Forests and Range. Forest Science Program. Victoria: The Ministry, 2008.

<http://www.llbc.leg.bc.ca/public/PubDocs/bcdocs/436750/Tr045.pdf>

Leaders' Roundtable on Climate Change Adaptation in B.C. May 05-06, 2009. British Columbia. Ministry of Environment. Victoria: The Ministry, 2009.

<http://www.llbc.leg.bc.ca/public/PubDocs/bcdocs/458144/index.htm>

Preparing for Climate Change: British Columbia's Adaptation Strategy. British Columbia. LiveSmartBC, 2010.

http://www.llbc.leg.bc.ca/public/pubdocs/bcdocs2010/463327/adaptation_strategy.pdf

Alberta

Climate Change Adaptation Framework Manual. Alberta. Ministry of Sustainable Resource Development. Edmonton: The Ministry, 2010.

<http://www.srd.alberta.ca/MapsFormsPublications/Publications/documents/ClimateChangeAdaptationFrameworkManual-April%202010.pdf>

Manitoba

Beyond Kyoto, Manitoba's Green Future: Next Steps, 2008 Action on Climate Change. Adapting to Climate Change – Preparing for the Future. Manitoba. Department of Science, Technology, Energy and Mines. Climate and Green Initiatives Branch. Winnipeg: The Department, 2008.

http://www.gov.mb.ca/asset_library/en/beyond_kyoto/adapting_to_climate_change.pdf

Saskatchewan

Management and Reduction of Greenhouse Gases and Adaptation to Climate Change Technical Briefing Package. Saskatchewan. Ministry of Environment. Regina: The Ministry, 2009.

<http://www.environment.gov.sk.ca/adx/asp/adxGetMedia.aspx?DocID=1625,1601,104,81,1,Documents&MediaID=1722&Filename=Greenhouse+Gases+Backgrounder.pdf>

Ontario

Adapting to Climate Change in Ontario: Towards the Design and Implementation of a Strategy and Action Plan: The Expert Panel on Climate Change Adaptation Report to the Minister of the Environment. Ministry of the Environment. Expert Panel on Climate Change Adaptation. Toronto: The Ministry, 2009.

<http://www.ene.gov.on.ca/publications/7300e.pdf>

Ahead of the Storm...Preparing Toronto for Climate Change: Development of a Climate Change Adaptation Strategy. Toronto Environment Office. City of Toronto Climate Adaptation Steering Group. Clean Air Partnership. Toronto: The City, 2008.

http://www.toronto.ca/teo/pdf/ahead_of_the_storm.pdf

Northwest Territories

NWT Climate Change Impacts and Adaptation Report. Department of Environment and Natural Resources. Yellowknife: The Department, 2008.

http://www.enr.gov.nt.ca/live/documents/content/NWT_Climate_Change_Impacts_and_Adaptation_Report.pdf

Canada

Adapting to Climate Change: An Introduction for Canadian Municipalities. Bano Mehdi, Charles Mrena, Al Douglas and the Canadian Climate Impacts and Adaptation Research Network. C-CIARN, 2006.

http://www.c-ciarn.ca/pdf/adaptations_e.pdf

Adapting to Climate Change: Canada's First National Engineering Vulnerability Assessment of Public Infrastructure: Appendix B-3, Metro Vancouver, British Columbia. Kerr Wood Leidal Associates. Public Infrastructure Engineering Vulnerability Committee. Engineers Canada. Climate Change Impacts and Adaptation Program. Natural Resources Canada. Ottawa: Public Infrastructure Engineering Vulnerability Committee, 2008.

http://www.pievvc.ca/e/Adapting_to_climate_Change_Report_Final.pdf

Adapting Infrastructure to Climate Change in Canada's Cities and Communities. Research & Analysis Division. Ottawa: Infrastructure Canada, 2006.

http://www.infcc.gc.ca/altformats/pdf/rs-rr-2006-12_02-eng.pdf

Climate Change and Extreme Weather: Designing Adaptation Policy. Dan Henstra and Gordon McBean. Simon Fraser University. Adaptation to Climate Change Team. Vancouver: Adaptation to Climate Change Team, 2009.

http://www.sfu.ca/act/documents/05_09-EWE_Background_Report_WEB.pdf

Climate Change Impacts and Adaptation: A Canadian Perspective. F.J. Warren. Edited by D.S. Lemmen and F.J. Warren. Ottawa: Natural Resources Canada, 2004.

http://adaptation.nrcan.gc.ca/perspective/pdf/report_e.pdf

From Impacts to Adaptation: Canada in a Changing Climate 2007. Edited by D.S. Lemmen, F.J. Warren, J. Lacroix and E. Bush. Ottawa: Natural Resources Canada, 2008.

http://adaptation.nrcan.gc.ca/assess/2007/pdf/full-complet_e.pdf

Prioritizing Climate Change Risks and Actions on Adaptation: A Review of Selected Institutions, Tools and Approaches: Final Report. Mark Brooks, Frédéric Gagnon-Lebrun, Hélène Harvey, Claude Sauvé, ÉcoRessources Consultants. Ottawa: Policy Research Initiative, 2009.

http://epe.lac-bac.gc.ca/100/200/301/pri-prp/2009/prioritizing_climate_change/PH4-49-2009E.pdf

True North: Adapting Infrastructure to Climate Change in Northern Canada. National Round Table on the Environment and the Economy. Ottawa: National Round Table on the Environment and the Economy, 2009.

http://dsp-psd.pwgsc.gc.ca/collection_2009/trnee-nrtee/En134-44-2009E.pdf

International

Economic Commission for Europe: Convention on the Protection and Use of Transboundary Watercourses and International Lakes - Guidance on Water and Adaptation to Climate Change. United Nations. Economic Commission for Europe. New York: United Nations, 2009.

http://www.unece.org/env/documents/2009/Wat/mp_wat/ECE_MP.WAT_30_E.pdf

Facilitating an International Agreement on Climate Change: Adaptation to Climate Change. Global Leadership for Climate Action, 2009.

http://www.unfoundation.org/assets/pdf/adaptation_to_climate_change.pdf

Adapting to Climate Change in Europe – Options for EU Action. Green Paper from the Commission to the Council, the European Parliament, the European Economic and Social Committee and the Committee of the Regions. Commission of the European Communities. Brussels: The Commission, 2007.

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2007:0354:FIN:EN:PDF>

Adapting to Climate Change: Towards a European Framework for Action. White Paper. Commission of the European Communities. Brussels: The Commission, 2009.

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2009:0147:FIN:EN:PDF>

Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Chapter 17: Assessment of Adaptation Practices, Options, Constraints and Capacity. W.N.Adger, et al. Edited by M.L. Parry, et al. Cambridge, UK: Cambridge University Press, 2007.

<http://www.ipcc.ch/pdf/assessment-report/ar4/wg2/ar4-wg2-chapter17.pdf>

2009 California Climate Adaptation Strategy. The California Energy Commission. Sacramento: The Commission, 2009.

<http://www.energy.ca.gov/2009publications/CNRA-1000-2009-027/CNRA-1000-2009-027-F.PDF>

NEWS ARTICLES:

"Adapting to global warming may require higher dams and seawalls, buildings on stilts." Seth Borenstein. *The Canadian Press (Toronto)*, December 3, 2009. Proquest Database Link:

<http://proquest.umi.com/pqdweb?did=1914672321&sid=2&Fmt=3&clientId=58106&RQT=309&VName=PQD>

"Brace for wild B.C. weather in decades ahead." Darah Hansen. *Vancouver Sun*, September 10, 2009: A1.

<http://proquest.umi.com/pqdweb?did=1858058031&sid=2&Fmt=3&clientId=58106&RQT=309&VName=PQD>

"Climate change adaptation not optional." Dale Marshall. *Vancouver Sun*, August 31, 2009: A11.
<http://proquest.umi.com/pqdweb?did=1852161941&sid=2&Fmt=3&clientId=58106&RQT=309&VName=PQD>

"Council considers climate change plan; Preparation will help mitigate expected impact, group says." Jake Rupert. *Ottawa Citizen*, July 3, 2008: C1.
<http://proquest.umi.com/pqdweb?did=1505785701&sid=1&Fmt=3&clientId=58106&RQT=309&VName=PQD>

"History is about to repeat itself as a result of global warming." Kevin McCort. *Vancouver Sun*, June 10, 2009: A11.
<http://proquest.umi.com/pqdweb?did=1745753681&sid=2&Fmt=3&clientId=58106&RQT=309&VName=PQD>

"Insurance chief worried about climate change; Bureau CEO says Canada needs a plan to deal with severe weather." Scott Simpson. *Times Colonist (Victoria)*, May 16, 2008: B6.
<http://proquest.umi.com/pqdweb?did=1481307441&sid=1&Fmt=3&clientId=58106&RQT=309&VName=PQD>

"Prairies get climate adaptation funds." *Star Phoenix (Saskatoon)*. July 21, 2010: C7.
<http://proquest.umi.com/pqdweb?did=2089841651&sid=1&Fmt=3&clientId=58106&RQT=309&VName=PQD>

JOURNAL ARTICLES:

"Adaptation to Climate Change: Assessing the Costs." Martin Parry, Nigel Arnell, Pam Berry, David Dodman, et al. *Environment* 51, no. 6 (2009): 29. Proquest Database Link:
<http://proquest.umi.com/pqdweb?did=1974300801&sid=4&Fmt=3&clientId=58106&RQT=309&VName=PQD>

"Beyond Mitigation." Charles W. Schmidt. *Environmental Health Perspectives* 117, no. 7 (2009): A306-A309. EBSCO Database Link:
<http://search.ebscohost.com/login.aspx?direct=true&db=aph&AN=43302064&site=ehost-live>

"Policy & Practice: Responding to the Risks Posed by Climate Change: Cities Have No Choice but to Adapt." Lawrence Susskind. *The Town Planning Review* 81, no. 3 (2010): 217. Proquest Database Link:
<http://proquest.umi.com/pqdweb?did=2067988371&sid=4&Fmt=3&clientId=58106&RQT=309&VName=PQD>

“Climate Change and Health in British Columbia: Projected Impacts and a Proposed Agenda for Adaptation Research and Policy.” Aleck Ostry, et al. *International Journal of Environmental Research and Public Health* 7, no. 3 (2010): 1018. Proquest Database Link:

<http://proquest.umi.com/pqdweb?did=2006856651&sid=4&Fmt=3&clientId=58106&RQT=309&VName=PQD>

“Community-Based Adaptation to Climate Change: Strengthening Resilience through Development.” Jessica Ayers, Tim Forsyth. *Environment* 51, no. 4 (2009): 23. Proquest Database Link:

<http://proquest.umi.com/pqdweb?did=1973116111&sid=4&Fmt=3&clientId=58106&RQT=309&VName=PQD>

“Cultural Ecology: Adaptation - Retrofitting a Concept?” Lesley Head. *Progress in Human Geography* 34, no. 2 (2010): 234-242. EBSCO Database Link:

<http://search.ebscohost.com/login.aspx?direct=true&db=aph&AN=48965448&site=ehost-live>

“Drinking Water and Potential Threats to Human Health in Nunavik: Adaptation Strategies under Climate Change Conditions.” Daniel Martin, et al. *Arctic* 60, no. 2 (2007): 195-202. EBSCO Database Link:

<http://search.ebscohost.com/login.aspx?direct=true&db=aph&AN=25494932&site=ehost-live>

WEBSITES:

"Adaptation." British Columbia Ministry of Environment. Climate Action Secretariat. www.env.gov.bc.ca/cas/adaptation/index.html (accessed July 27, 2010).

"Adaptation Case Studies." Natural Resources Canada. Climate Change Impacts and Adaptation Division. http://adaptation.nrcan.gc.ca/case/index_e.php (accessed July 27, 2010).

"Adaptation to Climate Change." United Nations Development Programme. www.undp.org/climatechange/adapt/ (accessed July 27, 2010).

"Climate Change Adaptation Resource Kit - Elkford BC." Columbia Basin Trust. <http://cbtadaptation.squarespace.com/elkford-bc/> (accessed July 27, 2010).

"Prairie Adaptation Research Collaborative." PARC. <http://www.parc.ca/> (accessed July 27, 2010).

"UNDP Adaptation - Adaptation Policy Frameworks for Climate Change." United Nations Development Programme. <http://www.undp.org/climatechange/adapt/apf.html> (accessed July 27, 2010).