

Energy/Hydro Policies/Commitments

Analysis/Audit from Manitoba Wildlands Speeches Chart Manitoba Government 1999 – 2006 inclusive

Manitoba Wildlands

January 2007



1999

Quote	Nature of Statement	Speech/Source /Date	Analysis
N/A		Throne Speech November 25, 1999	

2000

Quote	Nature of Statement	Speech/Source /Date	Analysis
Winnipeg has emerged as a centre for the development of alternative fuel vehicles	Declaration	Throne Speech – December 5, 2000	
The Kraus Group is researching applications for hydrogen fuel cell technology. Alternative fuel buses are being developed by Motor Coach Industries and New Flyer Industries.	Declaration	Throne Speech – December 5, 2000	
Your Government is committing to a 10-year tax advantage to promote the production and use of ethanol additives in Manitoba. Ethanol use is better for our environment and a promising economic opportunity for Manitoba farmers and producers.	Specific Commitment	Throne Speech – December 5, 2000	
Your Government sees Manitoba Hydro as a major advantage for or future growth. Hydro represents jobs in Manitoba, quality, long-term jobs in communities throughout the	Declaration	Throne Speech – December 5, 2000	

province.			
Hydro also represents a reliably priced clean energy option which attracts energy-intensive industries to our province.	Declaration	Throne Speech – December 5, 2000	
Sable electricity prices were a decisive factor in developments announced in the past month: The Albchem plant near Virden and the Nexen expansion in Brandon. Together these plants represent an investment of over \$90 million in Manitoba and a major boost to the province's economic diversification strategy.	Declaration	Throne Speech – December 5, 2000	
Hydro is set to play a key role in promoting energy efficiency in Manitoba. This program, the most aggressive conservation program in our history, will have two components: a PowerSmart homes initiative will ensure that all Manitoba arenas, curling rinks, schools, hospitals and personal care homes have a plan for achieving long-term energy savings.	Policy Statement	Throne Speech – December 5, 2000	
Evidence of global warming is spurring rapid development of alternative green energy sources. With our abundance of fresh water and our access to reliable low-cost energy, Manitoba has the opportunity to become a leader in the production of hydrogen fuel.	Declaration	Throne Speech – December 5, 2000	
Your government supports Hydro's increased investment in alternative energy research, including research into the feasibility of micro-hydro projects in Manitoba, wind, solar and geothermal power generation, and the application of micro-turbine waste	Policy Statement	Throne Speech – December 5, 2000	

management in the hog industry.			
My ministers' long-term commitment is to ensure that Manitoba is a leader in energy production and energy conservation.	Policy Statement	Throne Speech – December 5, 2000	

2001

Quote	Nature of Statement	Speech/Source /Date	Analysis
A special focus will be the development of partnerships with First Nations and the Métis community for resource management and development. One model for partnership is the equity and training agreements recently signed by Manitoba Hydro and the First Nations of Split Lake and Nelson House. Other models of resource co-management are being developed with First Nations and Métis organizations.	Specific Commitment	Throne Speech – November 13, 2001	
Your Government is also committed to an alternative energy strategy that seized on the economic opportunities arising from climate change.	Specific Commitment	Throne Speech – November 13, 2001	
Through our Hydro exports, Manitoba has become a regional supplier of alternative fuels such as hydrogen, and new legislation to expand Manitoba Hydro's conservation mandate, our province can be at the forefront of an emerging clean energy economy.	Declaration	Throne Speech – November 13, 2001	
Through new initiatives on ethanol use and production, new research on alternative fuels such as hydrogen, and new legislation to expand Manitoba Hydro's conservation mandate,	Declaration	Throne Speech – November 13, 2001	

our province can be at the forefront of an emerging clean energy economy.			
High water levels generally mean more export revenue for Manitoba Hydro. Too often, however, high water means flooding in other parts of the province.	Declaration	Throne Speech – November 13, 2001	
To help offset the costs of our water strategy and flood protection, including an expanded Red River floodway, we will be raising Water Power Rental rates to Ontario levels, at \$3.341 per megawatt hour	Specific Commitment	Throne Speech – November 13, 2001	
Our plan is to manage Manitoba Hydro for the economic advantage of all Manitobans.	Policy Statement	Throne Speech – November 13, 2001	
we launched a new PowerSmart initiative to give Manitobans access to home audits, and retrofit loans to help address rising heating bills	Past Action	Throne Speech – November 13, 2001	
We are actively exploring new hydro export opportunities, not just tot the south, but to the east, west and north as well	Declaration	Throne Speech – November 13, 2001	
More than 5,000 megawatts can be developed with a minimum of environmental damage, and with the concurrence and participation of local communities	Declaration	Throne Speech – November 13, 2001	
Our plans for hydro development ensure that Aboriginal residents have a greater share in the economic benefits.	General Commitment	Throne Speech – November 13, 2001	
The utility is planning to add natural gas combustion turbine facility in Brandon.	Specific Commitment	Throne Speech – November 13, 2001	
Manitoba Hydro is also planning a \$30 million conversion of the Selkirk thermal plant from coal to natural gas	Specific Commitment	Throne Speech – November 13, 2001	

Manitoba's Water Power Rental rate is being increased. The new rate will be \$3.341 per MW hour...new rates are effective April 1, 2001	Specific Commitment	Throne Speech – November 13, 2001	
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2002

Quote	Nature of Statement	Speech/Source /Date	Analysis
Hydro construction is proceeding with the full participation of First nations communities.	Declaration	Throne Speech November 27, 2002	
Manitoba Hydro's PowerSmart is about to achieve its goal of building a virtual dam, that is, freeing up for export sale the same amount of energy that would be produced by a new generating station.	Declaration	Throne Speech November 27, 2002	
Energy saved through conservation measures will total 200 megawatts in the coming year. That is equivalent to the annual production from the planned Wuskwatim generation station or to the total power demand for a city the size of Brandon.	Declaration	Throne Speech November 27, 2002	
New PowerSmart programs are being extended to Winnipeg homeowners and businesses. Manitoba hydro has set a new target to triple the conservation of energy in Manitoba over the next decade.	Specific Commitment	Throne Speech November 27, 2002	
[Opportunities in the emerging clean energy economy:] Expanding the power transmission grid to allow increased exports of renewable electricity to the east, west and south	General Commitment	Throne Speech November 27, 2002	

[Opportunities in the emerging clean energy economy:] expanding the production and use of ethanol in gasoline	General Commitment	Throne Speech November 27, 2002	
[Opportunities in the emerging clean energy economy:] developing biomass and wind energy to supplement Manitoba Hydro's clean energy portfolio	General Commitment	Throne Speech November 27, 2002	
[Opportunities in the emerging clean energy economy:] researching hydrogen fuel applications	General Commitment	Throne Speech November 27, 2002	
[Opportunities in the emerging clean energy economy:] increasing the use of geothermal heat pumps to build on the leadership of the Manitoba construction industry and the success of Manitoba Hydro's incentive program	General Commitment	Throne Speech November 27, 2002	
Our vast water resources and our publicly accountable hydro utility are part of a tremendous legacy passed down to us.	Declaration	Budget Speech April 22, 2002 – Our Hydro Advantage	
[Re Wuskwatim:] Apart from ensuring no significant environmental impacts in the project's design, the equity partnership will provide NCN a revenue stream for community and economic development	Declaration	Budget Speech April 22, 2002 – Our Hydro Advantage	
Minnesota, our neighbour to the south, has already mandated a 10 percent blend in all gasoline sold in the state. Our government believes that a similar mandate is desirable and achievable in Manitoba.	General Commitment	Budget Speech April 22, 2002 – Environmental Stewardship	
[Re Ethanol target:] In months to come, we will actively consult Manitobans to determine the most effective way of reaching this goal and maximizing benefits to Manitobans.	Specific Commitment	Budget Speech April 22, 2002 – Environmental Stewardship	
Manitoba is progressing quickly	Declaration	2002 Budget	

in its preparation to ensure the 200 MW Wuskwatim Hydro-Electric Generation Station is available as an option for future decisions.		Paper – The Economy	
Manitoba Hydro is actively negotiation with the Tataskweyak, York Landing, War Lake and Fox Lake Cree Nations to potentially develop the 620 MW Gull hydro-electric site. Community consultations and environmental, engineering and economic studies are also continuing for Gull.	Declaration	2002 Budget Paper – The Economy	
Under the new Energy Development Initiative (EDI), the Government and Manitoba Hydro are seeking strengthened partnerships to promote strategic development of other alternative energy technologies, such as hydrogen and biomass.	Policy Statement	2002 Budget Paper – The Economy – Appendix 2	
The new Energy Development Initiative will continue to put Manitoba at the forefront of renewable energy resource development, Selinger said. The initiative features: <ul style="list-style-type: none"> Public consultations to move towards a mandate of 10 per cent ethanol in all gasoline sold to further promote use and production of ethanol 	Specific Commitment	Press Release – April 22, 2002 – New Incentives and Safeguards to Keep Manitoba Clean and Green	

2003

Quote	Nature of Statement	Speech/Source /Date	Analysis
we stand on the brink of a major opportunity to develop untapped hydro resources through agreements with Manitoba First Nations and Aboriginal citizens and a clean energy partnership with the province of Ontario	Declaration	Throne Speech November 20, 2003	

<p>Continued leadership in clean energy will yield economic as well as environmental benefits for all regions of our province. Major initiatives include the expansion of low-impact hydro-electric generation based on full partnerships with First Nations and northern communities; development of clean energy alternatives, such as wind generation, ethanol and hydrogen fuel; new energy conservation targets, building on the success of Manitoba Hydro's Power Smart Program and Manitoba's leadership in innovations such as geo-thermal heating and home energy-use audits.</p>	<p>Policy Statements</p>	<p>Throne Speech November 20, 2003</p>	
<p>Manitoba is in the process of negotiation bilateral agreements with the federal government and provinces to link our initiatives into a nationwide strategy.</p>	<p>Specific Commitment</p>	<p>Throne Speech November 20, 2003</p>	
<p>One of the major economic opportunities for Manitoba is a proposal to export clean energy to Ontario. An energy contract of this magnitude will lead to the biggest economic project in Manitoba since Limestone, with benefits flowing to northern communities in the form of jobs, training and a share of future revenues. It will also reduce carbon dioxide emissions in Canada by 40 million tonnes a year.</p>	<p>Declaration</p>	<p>Throne Speech November 20, 2003</p>	
<p>Manitoba is committed to working with the federal government to build a new Canadian electricity grid, a clean energy highway that will improve our energy security and foster the development of</p>	<p>Specific Commitment</p>	<p>Throne Speech November 20, 2003</p>	

renewable energy sources.			
For rural Manitoba, wind power and expanded ethanol production are the best opportunities for participating in the growing clean energy economy.	Policy Statements	Throne Speech November 20, 2003	
Manitoba Hydro is set to proceed with the first wind farm in our province, making a significant addition to the portfolio of renewable energy available to our own consumers and export markets.	Specific Commitment	Throne Speech November 20, 2003	
In the coming weeks, a new biofuels act will be introduced, establishing a framework for the expansion of ethanol production in Manitoba.	Specific Commitment	Throne Speech November 20, 2003	
Building on the success of Manitoba Hydro's Power Smart Program, which is saving consumers 241 megawatts of energy a year, your Government will establish a new one-stop agency to perform home audits and assist Manitobans in saving money and conserving resources.	Specific Commitment	Throne Speech November 20, 2003	
A new model for hydro development has been initiated in advance of the Wuskwatim project, involving full collaboration on dam design and environmental approvals and agreements for job creation and revenue sharing	Policy Statement	Throne Speech November 20, 2003	
With the prospect of a major energy sale to Ontario, hydro development remains the most promising opportunity for northern growth.	General Commitment	Throne Speech November 20, 2003	
The speech outlined the government's major priorities including:... <ul style="list-style-type: none"> expanding low-impact hydro 	Specific Commitment	Throne Speech Press Release – November 20, 2003	

and clean energy alternatives like wind and ethanol;			
<ul style="list-style-type: none"> new one-stop agency to expand conservation and assist Manitobans in saving money through home audits and other innovations 	Specific Commitment	Throne Speech Press Release – November 20, 2003	
<ul style="list-style-type: none"> expanding low-impact hydroelectric generation in full partnership with First Nations and northern communities 	Specific Commitment	Throne Speech Highlights Press Release – November 20, 2003	
<ul style="list-style-type: none"> developing clean energy alternatives like wind, ethanol and hydrogen fuel 	Specific Commitment	Throne Speech Highlights Press Release – November 20, 2003	
<ul style="list-style-type: none"> negotiating agreements with the federal government and other provinces to link our energy initiatives into a nationwide strategy 	Specific Commitment	Throne Speech Highlights Press Release – November 20, 2003	
<ul style="list-style-type: none"> seeking a federal commitment to build a ‘clean energy highway’ to improve energy security and encourage national development of renewable energy 	Specific Commitment	Throne Speech Highlights Press Release – November 20, 2003	
<ul style="list-style-type: none"> increasing wind power and ethanol production to create new opportunities for rural Manitoba in the growing clean energy economy 	Specific Commitment	Throne Speech Highlights Press Release – November 20, 2003	
<ul style="list-style-type: none"> a new Biofuels Act to establish a framework for the expansion of ethanol 	Specific Commitment	Throne Speech Highlights Press Release – November 20, 2003	
Manitoba Hydro is a cornerstone of the Manitoba economy. Its low-cost, renewable, reliable electric power gives every business in Manitoba a competitive edge. Manitobans enjoy the lowest electricity rates	Declaration	2003 Budget speech ‘Building on Our Energy Advantage’	

in North America.			
Manitoba Hydro export sales are at their second highest level in history. Recently, Manitoba Hydro renewed a contract with Xcel Energy in Minnesota that will result in \$1.7 billion in export sales. Discussions are continuing with neighbouring provinces and the federal government on expanding the power transmission to increase exports.	Declaration	2003 Budget speech 'Building on Our Energy Advantage'	
Manitoba Hydro is considering the construction of three new generation stations in Northern Manitoba. Together, these would be the largest construction projects in Manitoba in decades. These mean significant long-term economic benefits for Northern Manitoba.	Declaration	2003 Budget speech 'Building on Our Energy Advantage'	
Manitoba Hydro is working toward partnership agreements with First Nations to ensure that these communities share in the training opportunities, employment, and profits that hydro development brings.	Specific Commitment	2003 Budget speech 'Building on Our Energy Advantage'	
Our publicly owned hydro utility will continue to play an important role in attracting investment to Manitoba, and creating quality jobs for young Manitobans.	Policy Statement	2003 Budget speech 'Building on Our Energy Advantage'	
We are broadening the Manufacturing Investment Tax Credit to include investment by businesses in equipment that uses energy more efficiently, or produces energy for the producer's own consumption from environmentally friendly sources such as windpower.	Specific Commitment	2003 Budget Speech Environmental Stewardship	
Presently, Manitoba Hydro is working closely with northern	Declaration	2003 Budget Papers – The	

Aboriginal communities in respect of potential new generating facilities in their areas. Two such facilities are under active consideration...The combined cost of these two generating projects, as well as the required transmission facilities, is approximately \$4 billion. [Gull & Wuskwatim]		Economy	
Another option under active consideration is the development of the Conawapa site.	Declaration	2003 Budget Papers – The Economy	
In August 2002, Manitoba Hydro signed a 10-year agreement with Xcel Energy, based in Minnesota, for the export of 500 MW of electricity from Manitoba to Minnesota starting in 2005.	Past Action	2003 Budget Papers – The Economy	
In the future, Manitoba Hydro is prepared to play an increasingly important role in meeting more of North America’s electrical energy needs through environmentally desirable hydroelectric resources, and in so doing, will continue to reduce global greenhouse gas emissions. Last year, Manitoba Hydro exports are estimated to have displaced between 7 and 12 mega-tonnes of greenhouse gas emissions in Canada and the U.S.	Declaration / Past Action	2003 Budget Papers – The Economy	
Through its Power Smart programs, Manitoba Hydro remains a leader in energy conservation programs among utilities in North America. Over the past several years, Power Smart initiatives have achieved estimated savings of 185 MW in demand and continue to save Manitobans millions of dollars in energy costs. Manitoba Hydro	Declaration / Past Action	2003 Budget Papers – The Economy	

is targeting a saving of 356 MW by the end of 2011/12			
Manitobans are ready to benefit from the global shift to more environmentally friendly energy. Investments in hydro, ethanol and energy-related technologies will create jobs, diversify rural economies and increase exports.	Declaration	2003 Budget – Building our Environmental Future	
<ul style="list-style-type: none"> Jobs and opportunities will be created for Manitobans as new generation stations are developed in Northern Manitoba to meet international demands for clean power. 	Declaration	2003 Budget – Building our Environmental Future	
<ul style="list-style-type: none"> The ethanol initiative boosts the environment and our rural economy by encouraging an increase in the production and use of ethanol. 	Declaration	2003 Budget – Building our Environmental Future	
<ul style="list-style-type: none"> Manitoba Hydro is a cornerstone of economic development, with the potential for three new generation stations in Northern Manitoba 	Declaration	2003 Budget – Building our Environmental Future	
<ul style="list-style-type: none"> Discussions continuing with neighbouring provinces and Ottawa on expanding the power transmission grid to increase hydroelectricity exports. 	Declaration	Press Release – April 22, 2003 ‘Budget 2003 At a Glance’	
<ul style="list-style-type: none"> Further development of ethanol, wind, solar power, hydrogen fuel cells and geothermal energy. 	General Commitment	Press Release – April 22, 2003 ‘Budget 2003 At a Glance’	
<ul style="list-style-type: none"> Broadening the Manufacturing Investment Tax Credit to encourage business to invest in energy efficient equipment or environmentally friendly sources. This measure will make firms more 	Specific Commitment	Press Release – April 22, 2003 ‘Budget 2003 At a Glance’	

competitive by cutting energy costs, and reducing pollution.			
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2004

Quote	Nature of Statement	Speech/Source /Date	Analysis
The sixth part of our economic plan is strategic development of our energy sector.	Policy Statement	Throne Speech November 22, 2004	
The Clean Energy Transfer provides the case for proceeding with the 1250 megawatt, run-of-the-river Conawapa dam a project that will generate over 40 000 person years of employment and yield a major revenues stream for northern First Nations. The transfer would also provide a case for adding up to 1000 megawatts from windfarms built in rural Manitoba.	Claim	Throne Speech November 22, 2004	
The first wind farm in Manitoba is being built at St. Leon. At full capacity it will generate 99 megawatts of power, and with \$190 million in capital investment and \$10 million in earnings to local landowners, introduce a significant new economic opportunity to rural Manitoba.	Claim	Throne Speech November 22, 2004	
Part of Manitoba's clean energy portfolio includes the Wuskwatim dam project, which demonstrates a new approach to hydro-electric development. Local First Nations are participating as partners in the project, gaining a comprehensive training and employment package, collaboration in the design of the dam to minimize	Declaration / Past Action	Throne Speech November 22, 2004	

environmental impacts and the opportunity to share in revenues. In addition, through the Wuskwatim licensing process, Manitoba Hydro committed to double its energy savings from conservation and efficiency programs.			
Manitoba and Ontario are now seeking federal government participation to begin developing an east-west transmission grid for Canada.	Specific Commitment	Throne Speech November 22, 2004	
Already Manitoba has become a leader in the installation of ground source heat pumps, with one third of all the installations in Canada, and in the design and manufacture of hybrid buses.	Claim	Throne Speech November 22, 2004	
Under Manitoba Hydro's Power Smart program, energy conservation practices have been made available to consumers and businesses throughout the province, resulting in annual savings of 241 megawatts.	Claim	Throne Speech November 22, 2004	
Manitoba has attracted notice for its application of green building technology, with the award-winning Red River College campus and the planned Hydro headquarters as prime exhibits.	Claim	Throne Speech November 22, 2004	
Our Government is pursuing opportunities to the east in Ontario and to the south in the United States to facilitate further large power sales that could lead to significant hydro-electric development and employment	Policy Statement	Budget Speech April 19, 2004 'Building on our Energy Advantage'	
Manitoba Hydro and other organizations are conducting wind-monitoring tests at more than 16 locations around the province to determine future	Declaration	Budget Speech April 19, 2004 'Building on our Energy Advantage'	

options.			
Through the Manitoba Ethanol Office, we are working to co-ordinate the growth of the industry and encourage the development of made-in-Manitoba ethanol.	Policy Statement	Budget Speech April 19, 2004 'Building on our Energy Advantage'	
We are also taking steps to reduce our energy consumption with a new one-stop agency that will see Manitobans' energy bills reduced by building on the success of Manitoba Hydro's Power Smart program. This agency will free up electricity for lucrative export markets, reduce gas imports, and reduce water usage.	Policy Statement	Budget Speech April 19, 2004 'Building on our Energy Advantage'	
Manitoba Hydro is currently working closely with Northern Aboriginal communities in respect of potential new generating facilities. Two such facilities are under active consideration. [Wuskwatim & Gull]	Declaration	2004 Budget Papers – The Economy	
Construction of the Gull facility would also require the construction of a transmission line to deliver power to Southern Manitoba. The combined cost of these two generating projects [Wuskwatim & Gull], as well as the required transmission facilities, is approximately \$4 billion.	Declaration	2004 Budget Papers – The Economy	
Another option under active consideration is the development of the Conawapa site.	Declaration	2004 Budget Papers – The Economy	
Manitoba Hydro is currently negotiating with an independent wind producer for the purchase of a 99 MW wind farm near St. Leon. These negotiations are expected to be completed in the	Specific Commitment	2004 Budget Papers – The Economy	

near future.			
Manitoba has been successful in employing demand-side management programs to meet energy needs. Since its inception in 1991, the Power Smart program has promoted a wide variety of energy efficient programs, products and services. In 2002, the program was providing annual energy savings equal to the energy output of the 77 MW Point Du Bois generating stations	Past Action	2004 Budget Papers – The Economy	
Manitoba has become a Canadian leader in developing a number of these proposals and projects – in new hydro, hydrogen, new buildings, ethanol, transmission, heat pumps and wind. These projects will help to boost Manitoba’s energy self-sufficiency, speed its move away from fossil fuels, and enable the creation of a renewable energy hub – where generation, transmission, efficiency and expertise will meet.	Declaration	2004 Budget Papers – The Economy Appendix 2	
The fact that 95% of our power is generated through renewable hydro-electricity also means that it generates less CO2 per kilowatt-hour than another utility in North America.	Claim	2004 Budget Papers – The Economy Appendix 2	
<ul style="list-style-type: none"> All new Manitoba Hydro projects will be designed so that flooding is substantially reduced or virtually eliminated. 	Policy Statement	2004 Budget Papers – The Economy Appendix 2	
<ul style="list-style-type: none"> Manitoba has ensured that Aboriginal communities – which historically have borne a significant share of the hardship associate with past projects – are not only 	Policy Statement	2004 Budget Papers – The Economy Appendix 2	

consulted, but enabled to become active, direct financial partners in these new [Manitoba Hydro] projects.			
Manitoba has developed and promoted the concept of a "National Clean Energy Grid." Nationally, existing east-west interconnection between Manitoba and Ontario are able to carry only 300 MW (compared to 2,250 MW North-South to the U.S.) which leaves in question Canada's ability to secure a reliable and sufficient energy supply. In addition, Canada needs increased investment in east-west transmission capacity to carry clean energy to Canadian markets.	Declaration	2004 Budget Papers – The Economy Appendix 2	
A Clean Energy Grid could also be designed to accommodate wind power in Northern Ontario which, due to lack of transmission, is currently "stranded".	Declaration	2004 Budget Papers – The Economy Appendix 2	
Landowners will obtain revenues from the sale of wind power and access rights. Local communities will gain a new source of proper taxation. Young people seeking employment will have access to a growing, innovative and sustainable industry. In the longer term, Manitoba can look forward to jobs in spinoff industries.	Claim	2004 Budget Papers – The Economy Appendix 2	

<p>In Manitoba, the wider bioproducts sector is already beginning to bloom.</p> <ul style="list-style-type: none"> • Manitoba is already home to the Dow BioProducts "Woodstalk" product – a building material made from straw – with plant production rising rapidly in recent years. • Manitoba's first major anaerobic digester (AD) for hog manure was recently constructed by DGH Engineering, at a 6,000-head hog feeder farm owned by Cook Feedlot in Teulon. The "Bio-Terre" system is a commercial prototype of a widely heralded Canadian design intended to capture the usual benefits of such systems (generation methane to heat farm buildings with reduction in odours, air emissions and GHGs, and soluble COD in the slurry) while overcoming the difficulties traditionally facing such technology in cold climates. • Engineering studies are under way at Winnipeg's Brady landfill, with preliminary work highlighting the possibility of capturing enough methane from the decaying organic material to produce 7 MW of electricity, while reducing GHG emissions by 500,000 tonnes annually. 		<p>2004 Budget Papers – The Economy Appendix 2</p>	
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Manitoba's most obvious opportunity, however, is in ethanol and biodiesel.	Declaration	2004 Budget Papers – The Economy Appendix 2	
Increased ethanol production will also be needed to meet the demand coming from the rising sales of flexi-fuel vehicles (FFVs) – vehicles designed to take up to 85% ethanol.	Declaration	2004 Budget Papers – The Economy Appendix 2	
Manitoba Hydro found that geothermal heat pumps can still reduce annual heating bills by \$4400 to \$800 compared with natural gas; by \$600 compared with all—electric heating; and by \$700 to \$1,800 compared with heating oil and propane.	Claim	2004 Budget Papers – The Economy Appendix 2	
<p>For Manitoba Hydro, there are additional benefits from expanding geothermal installations.</p> <ul style="list-style-type: none"> • Electrical energy "freed up" by geothermal can be resold at higher prices for export. • Geothermal usage can reduce Manitoba Hydro's winter and summer peak loads. • Additional diversity is added to a 95% hydro-based system. • Geothermal can be added incrementally, and rapidly • On the gas side, ratepayers maybe be able to avoid the costly extension of gas infrastructure into less populated areas. 	Declaration	2004 Budget Papers – The Economy Appendix 2	
Manitoba Hydro has increased its marketing and communications support for geothermal, added incentives and on-bill financing for residential purchasers, and increased the training and	Past Action	2004 Budget Papers – The Economy Appendix 2	

<p>certification of new installers. The Province has negotiated federal incentives for homes converting to geothermal.</p>			
<p>In order to accelerate efficiency efforts across Manitoba, and to ensure that savings are captured across all resources – electricity, gas, oil and propane, water, waste and transport "Efficiency Manitoba" was announced last December. This independent agency, building on the success of Manitoba Hydro's Power Smart program, is designed to cut bills for electricity and all other fuels and resources; to expand activity to rectify increasingly costly efficiency "gaps" in such areas as natural gas, and water and sewer; to use a customized, community-based approach rather than a one-size-fits-all approach; to lever in additional federal funding; and to defer or eliminate the need for expensive new infrastructure expansion (such as sewer and water).</p>	<p>Past Action</p>	<p>2004 Budget Papers – The Economy Appendix 2</p>	

2005

Quote	Nature of Statement	Speech/Source /Date	Analysis
<p>A Manitoba Home Heating Strategy will be introduced to protect consumers from rate shock on their winter gas bills... Our goal is to ensure here is only on rate increase for households in the winter of 2005/06, and that rate increases over the next two winters are manageable.</p> <p>The Strategy reflects new</p>	<p>Specific Commitment</p>	<p>Throne Speech October 27, 2005</p>	

<p>guidelines issued by the Public Utilities Board, and builds on the sound hedging practices Manitoba Hydro has developed to mitigate the impact of price increases. The Board has signaled it will revise its previous order and allow Manitoba Hydro the ability to defer gas price increases. Legislation will be introduced to support this change.</p>			
<p>The Manitoba Strategy includes an expanded initiative to reduce home heating bills by saving energy, including ...</p> <ul style="list-style-type: none"> • New incentives to support insulation and weatherization upgrades for older homes; purchases of high-efficiency furnaces; and installation of heat pumps; targeted initiatives to promote energy saving upgraded by low-income households. 	Specific Commitment	Throne Speech October 27, 2005	
<p>Budget 2005 continues the commitment to protect our water and natural resources now and in the future...</p> <ul style="list-style-type: none"> • More parkland and upgraded park facilities 	Specific Commitment	Budget 2005 In Brief	
<p>Manitoba has been in negotiations with potential customers to the east, the south and the west, to sell more than half a billion dollars in clean energy exports over the next six years. During this session or government will report to the Legislature on the outcome of these negotiations, and their implications for the construction of new generation facilities in Manitoba.</p>	Specific Commitment	Throne Speech October 27, 2005	
Energy conservation measures	Claim	Throne Speech	

undertaken through Hydro's PowerSmart program save over 250 megawatts of power annually – power which is made available for export sales.		October 27, 2005	
The coming year will see the completion of Manitoba's first wind farm at St. Leon – a project that adds almost 100 megawatts of emission-free electricity to Manitoba's supply base, invests \$210 million in new capital and generates a total of \$9 million in landholder payments.	Specific Commitment / Claim	Throne Speech October 27, 2005	
The province and Manitoba Hydro will take the next major step in our wind development strategy this fall by requesting proposals for new projects that will total up to 1,000 megawatts of wind generation over the next decade. The estimated capital investment for these projects is over \$2 billion	Specific Commitment	Throne Speech October 27, 2005	
Manitoba's Clean Energy Strategy also includes initiatives to expand the production of biofuels.	Specific Commitment	Throne speech October 27, 20005	
This week, construction is beginning on Husky Oil's new ethanol production plant in Minnedosa. Husky is investing \$145 million in the plant, which will increase ethanol production in Manitoba from 10 million to 120 million liters a year. The project was made possible by a federal support program and the introduction of Manitoba's Ethanol Mandate in 2003.	Declaration	Throne Speech October 27, 2005	
Achieving the mandate for 10 per cent blends of gasoline in Manitoba will cut vehicle emissions by 135,000 tonnes – the equivalent of taking 10,000	Claim	Throne Speech October 27, 2005	

cars off the road			
Another biofuel initiative is a strategy to rump up biodiesel production in Manitoba, with a development program designed to support the construction of several community-based production facilities.	Specific Commitment	Throne Speech October 27, 2005	
Taken together, they hydro, wind and biofuel developments announced today are worth over \$3 billion to the Manitoba economy.	Specific Commitment	Throne Speech October 27, 2005	
Manitoba's Agri-Energy Office is working with rural communities and investors to develop new opportunities for wind generation, ethanol and biodiesel generation.	Policy Statement	Throne Speech October 27, 2005	
A promising new development is the discovery of additional oil reserves in southwestern Manitoba, which will lead to a \$200 million investment in new pipeline and separation facilities.	Declaration	Throne Speech October 27, 2005	
New partnerships have been forged with Manitoba First Nations to pursue opportunities in energy development and natural resources.	Policy Statement	Throne Speech October 27, 2005	
Our government is examining plans that could see up to 1,000 megawatts of wind power developed over the next decade.	Declaration	Budget Speech 'The Clean Energy Province'	
In 2005, we will see the final stages of pre-development for the Wuskwatim Hydro Dam.	Specific Commitment	Budget Speech 'The Clean Energy Province'	
We were pleased to see that our strong statement of Manitoba's case has resulted in the federal government's commitment, in its 2005 budget, to invest in a national grid, linking clean energy markets to the east and	Specific Commitment	Budget Speech 'The Clean Energy Province'	

west. We will move quickly to seize this opportunity which lays the foundation for the future development of Conawapa.			
Since 2000, Manitoba Hydro's Power Smart program has saved more than 240 megawatts, enough energy to power Steinbach, Dauphin, Carman, Neepawa and Morden. Manitoba Hydro offers the best energy efficiency programming in Canada, according to the Canadian energy Efficiency Alliance.	Claim	Budget Speech 'The Clean Energy Province'	
<ul style="list-style-type: none"> Continuing to work for the construction of an east-west power grid in Canada, building on the federal government's recent commitment. 	Specific Commitment	Press Release – March 8, 2005 'Budget 2005 At A Glance'	
<ul style="list-style-type: none"> Preparing for the potential Wuskwatim development in northern Manitoba and pursuing other opportunities such as the proposed Conawapa dam. 	Specific Commitment	Press Release – March 8, 2005 'Budget 2005 At A Glance'	
<ul style="list-style-type: none"> Launching a new initiative to co-ordinate energy efficiency programs for Manitobans. 	Specific Commitment	Press Release – March 8, 2005 'Budget 2005 At A Glance'	
<ul style="list-style-type: none"> Examining biodiesel as another clean, alternative energy source. 	Specific Commitment	Press Release – March 8, 2005 'Budget 2005 At A Glance'	
<ul style="list-style-type: none"> Supporting new energy developments such as the new wind farm in St. Leon, currently under construction. 	Specific Commitment	Press Release – March 8, 2005 'Budget 2005 At A Glance'	
The value of Manitoba electricity sales, which accounted for 66.0% of the total, increased 4.9% in 2004. Total gross exports, which accounted for the remainder of sales,	Declaration	2005 Budget Papers – The Economy	

increased by 28.3% after declining for two years. The value of export sales had more than doubled between 1997 and 2001, driven by strong increased in exports to the United States and good water flows.			
Manitoba Hydro is currently working closely with Northern Aboriginal communities in respect of potential new generation facilities. Two such facilities are under active consideration. [Wuskwatim & Gull]	Declaration	2005 Budget Papers – The Economy	
Construction of the Gull facility, which would be located on the Nelson River near Gillam, also requires the construction of a transmission line to deliver power to Southern Manitoba. The combined cost of these two generating projects, as well as the required transmission facilities, is approximately \$4 billion. Another option under active consideration is the development of the Conawapa site.	Declaration	2005 Budget Papers – The Economy	
By the end of 2005, 63 new wind turbine generators will be installed at what will become one of Canada’s largest wind farms. [St. Leon]	Specific Commitment	2005 Budget Papers – The Economy	

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Quote	Nature of Statement	Speech/Source /Date	Analysis
Construction of the Wuskwatim dam is now underway, in partnership with Nelson House First Nation, Manitoba Hydro has just announced a new, 10 year power sale arrangement with Northern States Power in	Past Action	Throne Speech November 15, 2006	

Minnesota, worth over \$2 billion. The new agreement will run from 2015 to 2025.			
Today we are proud to announce that we will build the Conawapa dam. Energy projection for export and domestic markets indicate the time is right for Manitoba Hydro to move forward with another major generation station. As with Wuskwatim, the components of the Conawapa project will be submitted for public review by independent regulators	Claim	Throne Speech November 15, 2006	
We are committed to ensuring that Manitoba Hydro and its assets remain owned by Manitobans, for the benefit of Manitobans.	Policy Statement	Throne Speech November 15, 2006	
Manitoba Hydro will be issuing a request for proposals this winter to develop another 300 megawatts of wind power – the next step towards our target of 1,000 megawatts.	Specific Commitment	Throne Speech November 15, 2006	
The next step in our bio-fuels strategy is expansion of biodiesel production in rural Manitoba. The Biofuels Act will be updated to ensure fuel quality for consumers. Or government will work with industry to ensure that biodiesel blends are available throughout Manitoba.	General Commitment	Throne Speech November 15, 2006	
This year Manitoba will also introduce a green energy manufacturing tax credit, to promote development and manufacture of clean energy technology in Manitoba.	General Commitment	Throne Speech November 15, 2006	
The province's Climate Change Action Plan, adopted in 2003, called for Manitoba to become a leader in geo-thermal installations, wind power,	Claim	Throne Speech November 15, 2006	

hydrogen development, bio-fuels and the provision of clean, renewable power to neighbouring jurisdictions.			
A new phase of this program (Hydro's Power Smart) will target specific communities, including First Nations in the Island Lake area, and the Centennial community in Winnipeg, for special retrofiting projects.	General commitment	Throne Speech November 15, 2006	
Budget 2006 expands resources for clean energy development.	General Commitment	Budget Speech – Clean Energy for a Green Economy	
Hydro exports have increased from \$363 million in 1999, to an all-time high of \$818 million in 2005 – that's growth of 125%. With the potential to double our existing energy capacity, Manitoba Hydro is well-positioned to take advantage of growing export markets to the east, west and south.	Declaration	Budget Speech – Clean Energy for a Green Economy	
Advancing the development of Conawapa to capture export markets will provide enormous community and economic benefits for Northern Manitoba and the province as a whole, including more than 40,000 person years of employment.	Claim	Budget Speech – Clean Energy for a Green Economy	
Manitoba is leading the push for an expanded east-west energy grid to increase interprovincial energy sales and improve national energy security.	Policy Statement	Budget Speech – Clean Energy for a Green Economy	
We are also moving forward on our hydrogen strategy, making advancements in research and development, production, refueling and value-added manufacturing.	Policy Statement	Budget Speech – Clean Energy for a Green Economy	
Manitoba is a leader in ground-	Claim	Budget Speech	

source heat pumps...The number of home heat pumps has quadrupled over the past four years in Manitoba		– Clean Energy for a Green Economy	
Manitoba Hydro has launched expanded Power Smart programs for residential, commercial and industrial users, promoting customer savings through more efficient use of energy. Over 23,000 residential customer loans, totaling over \$78 million, have been approved to date	Past Action	Budget Speech – Clean Energy for a Green Economy	
Today’s budget increases resources for...sustainable resource management priorities, including the Island lake energy efficiency retrofit pilot project	Specific Commitment	Budget Speech – Natural Areas and Environmental Stewardship	
Manitoba’s first wind farm, a \$210 million project in St. Leon, will be in full production this year, generating \$9 million in land lease payments to farmers in rural Manitoba over the life of the project.	Specific Commitment	Budget Speech – Rural Manitoba	
Proposals for wind developments of up to 1,000 MW over 10 years are presently being reviewed. Developing 1,000 MW is expected to generate \$2 billion in investment and \$100 million in wind-rights payments to land owners.	Claim	Budget Speech – Rural Manitoba	
Manitoba’s legislation to mandate the use of ethanol, along with federal funding, is supporting Husky Oil’s \$145 million investment to expand Minnedosa’s ethanol plant. With increased production to 130 million litres per year, Husky’s plant expansion provides the possibility of an additional \$80 million per year in income for farmers who sell their crops for	Claim	Budget Speech – Rural Manitoba	

the manufacture of this cleaner fuel.			
We are partnering with the federal government to deliver a \$1.5 million Biodiesel Production Program to promote the development of smaller, community-based production facilities supplying biodiesel to local and regional markets.	Specific Commitment	Budget Speech – Rural Manitoba	
Over 800 trainees have already benefited from the \$60 million pre-project training partnership between Canada, Manitoba and Manitoba Hydro for northern hydro developments.	Past Action	Budget Speech – Northern Manitoba	
Today’s budget provides new funding to engage Aboriginal communities in mineral resource activities.	General Commitment	Budget Speech – Northern Manitoba	
<ul style="list-style-type: none"> A \$1.5 million federal-provincial program will promote community-based biodiesel production facilities – the year’s budget also removed fuel and sales tax from biofuel. 	Specific Commitment	Budget 2006 In Brief – A Green and Growing Economy	
<ul style="list-style-type: none"> Following the success of the St.-Léon wind farm, more projects are planned and are expected to generate \$2 billion in investment and \$100 million in wind-rights payments for landowners. 	Claim	Budget 2006 In Brief – A green and Growing Economy	
[T]he value of Manitoba Hydro’s sales increased 25.3% in calendar year 2005 to \$1.8 billion – a historical high	Declaration	Budget Paper A. – The Economy	
In 2005, Manitoba and Ontario agreed to a major upgrade in the transmission capacity between the two provinces. The existing 200 MW transmission line connecting the two provinces will be upgraded to 400 MW by 2009.	Past Action	Budget Paper A. – The Economy	

Manitoba Hydro is currently working closely with northern Aboriginal communities to develop new generating facilities. There are two new facilities under active consideration. The first is the proposed Wuskwatim generating station...A referendum on the project by the Nisichawayasihk Cree First Nation is pending.	Declaration	Budget Paper A. – The Economy	
Another option under active consideration is the development of the Conawapa site. This ,250 MW generating facility project...would assist in meeting the needs of out-of-province customers who would contract for the delivery of power from Manitoba Hydro.	Declaration	Budget Paper A. – The Economy	
In December 2004, construction began on a new 99 MW wind energy project near St. Leon. The @210 million project...was facilitated by a 20-year power purchase agreement with Manitoba Hydro. At the completion of the project in early 2006, 63 new wind turbine generators will be installed at what will become on of Canada’s largest wind farms.	Declaration	Budget Paper A. – The Economy	
The provincial government and Manitoba Hydro are committed to further harvest Manitoba’s potential for clean, affordable energy with plans to develop up to 1,000 MW of wind power over the next 10 years.	Policy Statement	Budget Paper A. – The Economy	
Manitoba Hydro continues to strengthen its position as a leader among Canadian utilities in voluntarily reducing greenhouse gas emissions. The wind energy project in St. Leon has the potential to displace	Claim	Budget Paper A. – The Economy	

400,000 tonnes of CO2 emissions from the thermal coal plants.			
Manitoba Hydro and Northern First Nations are working on establishing partnerships to undertake the development of new run-of-the-river hydro generation projects, to take advantage of growing energy export opportunities.	Policy Statement	Budget Paper F. – Community Economic Development	
Manitoba’s first wind farm, a \$210 million, 99 MW project at St. Leon, is now fully operational, supplying emission-free power directly into the power grid.	Declaration	Budget Paper F. – Community Economic Development	
Manitoba’s legislation to mandate the use of ethanol and the federal government’s “ethanol support program” have supported Husky Oil’s decision to invest \$145 million in expanding their ethanol plant in Minnedosa. With production increasing from 10 million litres to 130 million litres, Husky Oil’s plant expansion provides potential \$80 million per year for farmers who sell their crops.	Claim	Budget Paper F. – Community Economic Development	
Manitoba has established a dedicated biodiesel office to work with producers and communities and we are partnering with the federal government to deliver a \$1.5 million Biodiesel Production Program for Manitoba biodiesel producers.	Specific Commitment	Budget Paper F. – Community Economic Development	
[W]orking with Island Lakes communities and Manitoba Hydro to use locally produced materials and support local training and employment to retrofit homes with a focus on energy efficiencies.	Specific Commitment	Budget Paper F. – Community Economic Development	

