

The Top 100

2008

Canada's Biggest Infrastructure Projects



An Annual Supplement to

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CANADA

The Infrastructure Renewal Magazine

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TREATMENT

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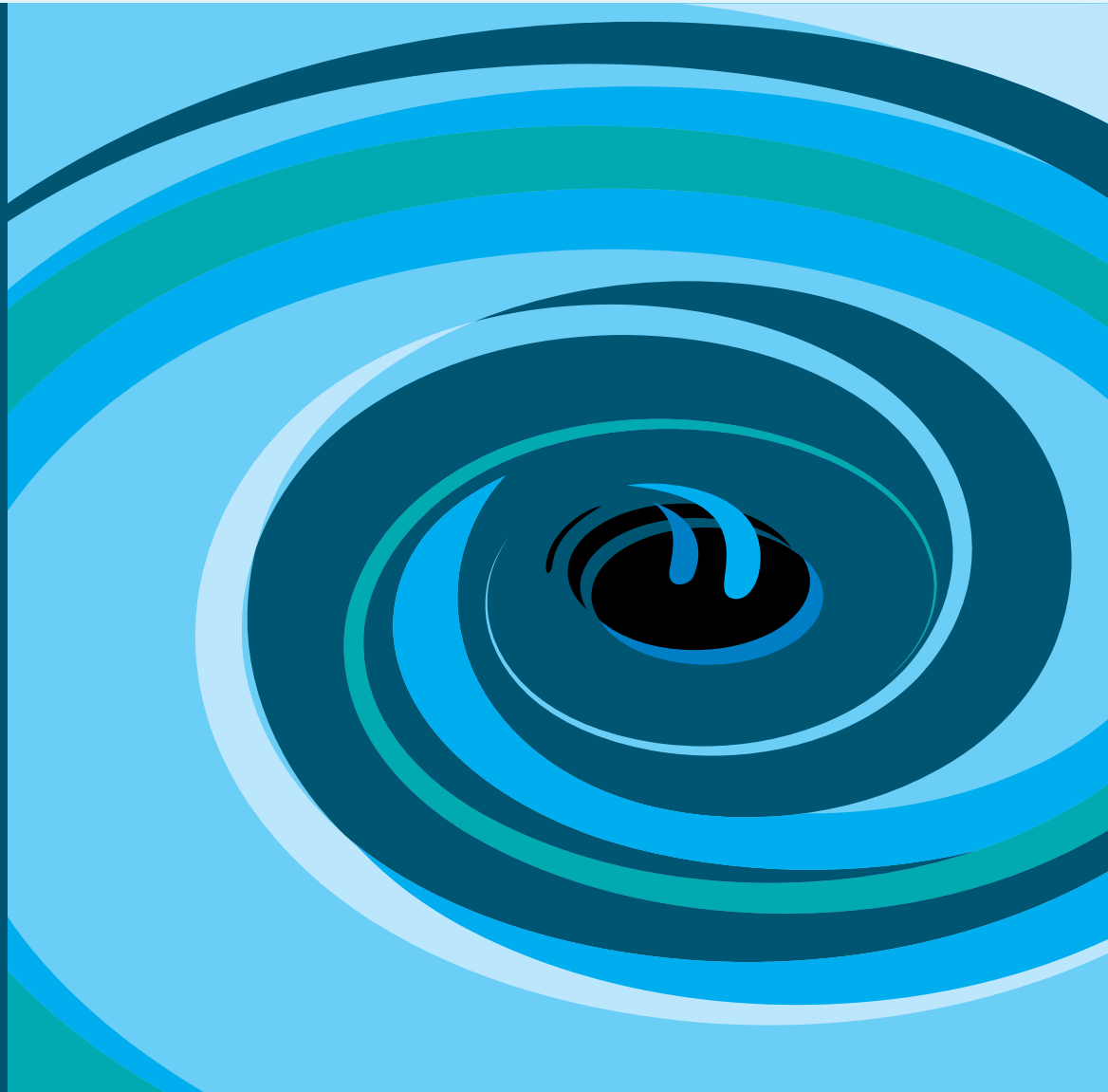
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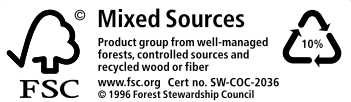
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ReNew Canada, the infrastructure renewal magazine, is distributed nationally to over 10,000 readers. This is our third annual list of the top Canadian infrastructure projects with input from key industry players. This list was compiled by John Leckie and Mira Shenker.



John Leckie is a freelance writer and editor who has written extensively about construction for a variety of newspapers and magazines. He has worked closely with ReNew Canada to produce last year's Top 100 list and the Top 10 for 2006 and 2007.



Mira Shenker is the editor of ReNew Canada magazine. She is working closely with Export Development Canada to produce a list of the Top 50 international projects involving Canadian companies. Look for that supplement in the March/April 2008 issue of ReNew Canada magazine.

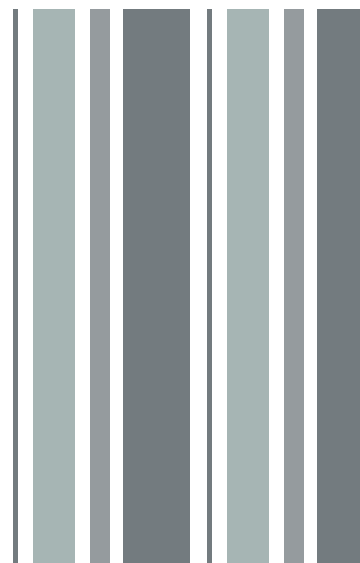
This special supplement

to the January/February 2008 issue (available only to paid subscribers, advertisers and selected VIP readers) contains our annual Top 10 infrastructure list appearing in the regular edition and continues with ninety of the next largest in Canada to comprise the Top 100 infrastructure projects in Canada.

This list is the culmination of hundreds of interviews and twelve months of research to bring our readers the most accurate information—and the most complete list—possible. If a project that appeared on our 2007 list is still underway, you'll still find it on the list. Those that have been completed have been removed.

This updated list represents over \$41 billion in projects that are helping to fill the infrastructure gap in Canada. There are 57 new projects on this year's list. We've ranked them, as usual, based on dollar value. Beyond cost, the overriding philosophy behind project our selection is to showcase the infrastructure that acts as the foundation of the Canadian economy. Depending on the nature of the project, we've listed the details that are most relevant.

When you're done, visit top100projects.ca for an interactive listing of the Top 100 Canadian infrastructure projects. Each project has been listed by date submitted, the user's ranking, ReNew Canada's ranking and the estimated project spending. When rating a project, we encourage users to think of these projects in terms of their size, the innovation applied, value to the community and the number of people the project will serve. Let us know if you think we've missed something. Submit the projects you're involved in and watch the list evolve in real time. Please share your success and excitement with us and with your colleagues by visiting and using this new website.



by PROVINCE

Ontario, Alberta and British Columbia account for 83 per cent of the Top 100.

Ontario

Ajax and Pickering Hospital	23
Algoma Steel Cogeneration Facility	17
Art Gallery of Ontario	13
Ashbridges Bay Treatment Plant Odour Control	16
Bluewater Health	14
Bruce A Nuclear Generating Station Restart	6
Canadian Museum of Nature	16
David Braley Cardiac, Vascular and Stroke Research Institute	20
Durham Consolidated Courthouse	11
Greenfield Energy	8
Henderson General Hospital Redevelopment	13
Highway 7 Expansion	19
Hôpital Montfort	15
Lakeshore West Rail Corridor Improvements	21
Melancthon II Wind Farm	12
Niagara Tunnel Project	7
North Bay Regional Health Centre	9
Ottawa Hospital, General Campus Redevelopment	19
Peterborough Regional Health Centre	15
Portlands Energy Centre	8
Queen Elizabeth Way Widening	16
Queen's University, Queen's Centre Phase 1	19
Quinte Health Care	22
Ripley Wind Power Project	16
Roy McMurtry Youth Centre	20
Sault Area Hospital	11
Sixteenth Avenue Trunk Sewer Tunnel	23
Sudbury Regional Hospital	17
Sunnybrook Health Sciences Centre	17
Toronto Police Training Facility	23
Toronto Power Line	9
Trillium Health Centre	19
Union Station Signalling Contract	12
Windsor Gateway Project	18
York Archives	21

Quebec

Carleton Wind Farm	16
Chute-Allard et des Rapides-des-coeurs	8

Eastmain-1-A and Rupert Diversion	6
Highway 25 Expansion	14
Life Sciences Complex, McGill University	22
Pierre Elliott Trudeau International Airport Expansion	18

Alberta

Alberta Clipper Project	6
Calgary International Airport	11
Calgary Ring Road, Stoney Trail NW	10
Centennial Centre for Interdisciplinary Science, University of Alberta	11
Edmonton Clinic North at University of Alberta	15
Edmonton International Airport	15
Edmonton Remand Centre	9
Foothills Medical Centre McCaig Tower	12
Glenmore and Bears paw Water Treatment Plants Upgrade	13
Health on 12th (Sheldon M. Chumir Centre)	23
Keephills 3 Generating Plant	6
Northwest LRT Extension	13
Peter Lougheed Centre	12
Red Deer College	21
Robbins Pavilion, Royal Alexandra Hospital	15
Royal Alberta Museum	15
SAIT Cohos Commons Parkade	21
South Light-Rail Transit (LRT) Extensions	14
TransMountain Pipeline Expansion	7

British Columbia

Abbotsford Regional Hospital & Cancer Centre	10
Border Infrastructure—Highway 10	20
Border Infrastructure—Highway 15	17
Boundary Bay Airport Redevelopment	20
Britannia Mine Remediation Project	19
Canada Line	6
Cariboo Connector	14
Golden Ears Bridge	7
Gordon M. Shrum Generating Facility	11
Harrison Hydro Project	10
Highway 91A/91	23
Kicking Horse Canyon Phase 2	17

Malaspina University College Expansion	22
Mica Generator Improvements	21
Nanaimo Centre Project/Vancouver Island Conference Centre	14
Olympics—Whistler/Callaghan Valley Olympic Village	19
Peace Canyon Turbine Upgrade	19
Pitt River Bridge and May Hill Interchange	15
Prince Rupert Port Expansion	8
Residential Care and Assisted Capacity Initiative	14
Roberts Bank Container Expansion	12
Sea to Sky Highway Improvement Project	9
Seymour-Capilano Water Utility Projects	10
Toba Montrose Hydroelectric Project	8
UBC-Okanagan Engineering/Management Building	22
University of Victoria Science Building	23
Vancouver Convention Centre Expansion	7
Vancouver Island Transmission Reinforcement	13
William R. Bennett Bridge	16

New Brunswick

Canaport LNG Terminal	8
Point Lepreau Nuclear Generating Station Refurbishment	7

Manitoba

Manitoba Hydro Downtown Office Building	12
Red River Floodway Expansion	8
Winnipeg International Airport Redevelopment	9

Nova Scotia

Colchester Regional Hospital	16
Halifax Harbour Cleanup	11
Halifax Stanfield International Airport Terminal Expansion	20
Nova Scotia Community College	18
Sydney Tar Ponds Cleanup	11

Newfoundland

St. John's Harbour Cleanup	20
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by SECTOR

There are 20 transportation and two public transit projects. There are 21 energy projects, nine of which involve renewables (wind and hydro). Out of 100 projects, 24 are P3 models. Interestingly, the bulk of the healthcare facilities being built or renovated are located in Ontario.

Energy	
Alberta Clipper Project	6
Algoma Steel Cogeneration Facility	17
Bruce A Nuclear Generating Station Restart	6
Carleton Wind Farm	16
Chute-Allard et des Rapides-des-coeurs	8
Eastmain-1-A and Rupert Diversion	6
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Portlands Energy Centre	8
Ripley Wind Power Project	16
Toba Montrose Hydroelectric Project	8
Toronto Power Line	9
TransMountain Pipeline Extension	7
Vancouver Island Transmission Reinforcement	13
Transportation/Public Transit	
Border Infrastructure—Highway 10	20
Border Infrastructure—Highway 15	17
Calgary Ring Road, Stoney Trail NW	10
Canada Line	6
Cariboo Connector	14
Golden Ears Bridge	7
Highway 7 Expansion	19
Highway 25 Expansion	14
Highway 91A/91	23
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South Light-Rail Transit (LRT) Extensions	14
Toronto Police Training Facility	23
Union Station Signalling Contract	12
William R. Bennett Bridge	16

Windsor Gateway Project	18
Public Building/ Government Offices	
Manitoba Hydro Downtown Office Building	12
Vancouver Convention Centre Expansion	7
York Archives	21
Port/Airport	
Boundary Bay Airport Redevelopment	20
Calgary International Airport	11
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Trillium Health Centre	19
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Edmonton Remand Centre	9
Roy McMurtry Youth Centre	20
Brownfield/Environmental	
Britannia Mine Remediation Project	19
Halifax Harbour Cleanup	11
Red River Floodway Expansion	8
Sydney Tar Ponds Cleanup	11
Social	
Art Gallery of Ontario	13
Canadian Museum of Nature	16
Nanaimo Centre Project/ Vancouver Island Conference Centre	14
Olympics—Whistler/ Callaghan Valley Olympic Village	19
Royal Alberta Museum	15
Water/Wastewater	
Ashbridges Bay Treatment Plant Odour Control	16
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Halifax Harbour Cleanup	11
Seymour-Capilano Water Utility Projects	10
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St. John's Harbour Cleanup	20
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Malaspina University College Expansion	22
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UBC-Okanagan Engineering Management Building	22
University of Victoria Science Building	23



1

**Bruce A Nuclear
Generating Station Restart**
Value: \$5.25 billion

Location: Kincardine, Ontario **Type:** Energy

Key Players: Bruce Power (TransCanada Corporation, BPC Generation Infrastructure Trust—an investment entity of OMERS, the Power Workers' Union and the Society of Energy Professionals) (owner); Amec NCL, Atomic Energy Canada Limited, SNC-Lavalin, Babcock & Wilcox Canada, Siemens, E.S. Fox Ltd. (contractors), ASLF, RCM-Fox, Aecon Group Inc. (balance of plant).

Project Details: Bruce A units 1 & 2 were originally brought into service in 1977 and were taken out of service in 1995 (Unit 2) and 1997

(Unit 1) by Ontario Hydro. Bruce Power Limited, which took over operation of the plant in 2001, is refurbishing and carrying out major maintenance on Units 1 and 2 with the goal of allowing them to operate through 2043. Progress on the original scope of the project has encouraged Bruce Power to extend it by another \$1 billion to install a new steam generator in Unit 4, which will extend its working life to 2036.

Financing: Private

Status: Estimated completion date is 2009.



2

**Eastmain-1-A and
Rupert Diversion**
Value: \$5 billion

Location: Quebec **Type:** Energy

Key Players: Hydro-Québec (owner); Societe d'énergie de la Baie James (project manager).

Project Details: The project, which involves construction of two powerhouses—Eastmain-1-A and Sarcelle—and diversion of part of the Rupert River to Eastmain 1 reservoir will have an installed capacity of 893 megawatts, enough to service 500,000 homes.

Financing: Publicly financed by Hydro-Québec.

Status: Estimated completion date is 2012.



4

Canada Line
Value: \$1.8 billion

Location: Vancouver, British Columbia
Type: Transportation

Key Players: Canada Line Rapid Transit Inc. and the Greater Vancouver Transportation Authority (TransLink) (owner); Canada Line Rapid Transit Inc.—a subsidiary of TransLink—(project management); InTransit BC (a joint venture company owned by SNC Lavalin, the Investment Management Corporation of B.C. and the Caisse de depot et placement du Québec.)

Project Details: This 19.5-kilometre, north-south rapid transit line will link

downtown Vancouver, Richmond City Centre and the Vancouver International Airport. The line has been under construction for more than a year. The full project is expected to be completed by November 2009. A section at the airport will be completed first and used for testing.

Financing: Governments of Canada and British Columbia, the Greater Vancouver Transportation Authority (TransLink) and Vancouver International Airport Authority.

Status: Estimated completion date is 2009.



3

Alberta Clipper Project
Value: \$2 billion

Location: Hardisty, Alberta **Type:** Energy

Key Players: Enbridge, Inc. (owner) and Enbridge Energy Partners (its U.S. subsidiary).

Project Details: Construction of a new 36-inch diameter, 1,590-kilometre pipeline from Hardisty, Alberta to Superior, Wisconsin, to carry an initial 450,000 barrels of crude oil a day, rising eventually as high as 800,000 barrels a day. The Canadian portion of the project will cost about \$1.5 billion while expansion of the 42-inch diameter pipeline from Superior to Chicago will cost about \$800 million.

Financing: Private **Status:** Estimated completion date is 2009.



5

**Keephills 3
Generating Plant**
Value: \$1.6 billion

Location: Keephills, Alberta **Type:** Energy

Key Players: TransAlta and Epcor (owners). Epcor will be responsible for construction while TransAlta will operate the facility. Each firm will market their share of the unit's electrical output.

Project Details: This 450-megawatt coal-

fired generating plant will use supercritical boiler technology featuring higher boiler temperatures and pressures and a high-efficiency steam turbine. Carbon dioxide emissions will be 24 per cent lower for the same amount of power produced by the four generating units at the older, conventional coal fired Wabamum plant, scheduled to be retired by TransAlta in 2010.

Financing: Private

Status: Site preparation began in February 2007 and the project is scheduled for commissioning in 2011.



6

TransMountain Pipeline Expansion
Value: \$1.5 billion

Location: Edmonton, Alberta **Type:** Energy

Key Players: Kinder Morgan and Pembina Pipeline Corp. (owners)

Project Details: The new pipeline will loop Kinder Morgan's existing 1,150-kilometre, 60-centimetre pipeline with a new 76-centimetre pipeline. The project includes building seven new pumping stations and upgrading six existing pumping stations in British Columbia. The project also includes a 243-kilometre section of 30- and 36-inch pipe between Valemount and Kamloops and back to Edmonton. A third phase of the project involves a loop between Kamloops and the Lower Mainland of B.C. The pumping stations portion of the project was completed earlier in 2007 and the overall project is scheduled for completion in 2011.

Financing: Private

Status: Estimated completion date is 2011.



7

Point Lepreau Nuclear Generating Station Refurbishment
Value: \$1.4 billion

Location: Point Lepreau, New Brunswick **Type:** Energy

Key Players: NB Power (owner); Nuclearco, Atomic Energy Canada Limited, Arvin Machine Works Inc., Opron Maritimes Construction, Sunny Corner Enterprises.

Project Details: The project will involve the replacement of key reactor components, including fuel channels and connecting feeder pipes. The plant will be closed down beginning in April 2008 and will remain closed until late 2009. After the work is completed, the plant is expected to be able to operate for another 25 to 30 years.

Financing: Public

Status: Civil construction at the Solid Radioactive Waste Management Facility has been completed. It will be used to store waste generated during the refurbishment and the extended operation. Construction of a new office building is scheduled to be completed this summer. Estimated completion date is 2009.



8

Golden Ears Bridge
Value: \$1.1 billion

Location: Vancouver, British Columbia **Type:** Transportation

Key Players: Greater Vancouver Transportation Authority (owner); Golden Crossing Constructors (joint venture of Bilfinger Berger (Canada) Inc. and CH2M Hill Canada Limited) (design builders); Capilano Highway Services Company (operator).

Project Details: A north-south crossing of the Fraser River, east of Vancouver. The project includes a six-lane bridge and connecting access arterial roads. In total, about 13 kilometres of infrastructure

Financing: Design, build, finance and operate by Golden Crossing General Partnership (a special purpose vehicle set up by Bilfinger Berger BOT Inc., Canadian subsidiary of Bilfinger Berger GmbH), Depfa Bank PLC, Dexia Credit Local (lenders); Computershare Trust Company of Canada (security trustee).

Status: Estimated completion date is 2009.



9

Niagara Tunnel Project
Value: \$985 million

Location: Niagara Falls, Ontario **Type:** Energy

Key Players: Ontario Power Generation (owner); Strabag AG (design-build contractor); ILF Beratende Ingenieure of Austria, Morrison Hershfield of Toronto and Dufferin Construction of Oakville, Ontario (major subcontractors); The Robbins Company of Solon, Ohio (tunnel boring machine supplier).

Project Details: A 10.4-kilometre tunnel under the City of Niagara Falls, Ontario, that will bring an additional 500 cubic metres of water per second to the Sir Adam Beck Generating Complex, allowing the plant to generate an additional 1.6 billion kilowatts annually, enough to power a city twice the size of Niagara Falls.

Financing: Public

Status: Estimated completion date is 2009.



10

Vancouver Convention Centre Expansion
Value: \$883 million

Location: Vancouver, British Columbia **Type:** Public building

Key Players: Province of British Columbia (owner); Musson Cattell Makey Partnership, Downs/Archambault & Partners LMN (architects); RTP 2000 Ltd., Stantec Consulting (project management); JJM Construction Ltd. (civil work); PCL Constructors Westcoast Inc. (construction management services); The Erection Company (structural steel erection planning); Canron Western Constructors Ltd. (structural steel).

Project Details: A 1.1-million-square-foot addition to the existing convention centre. Slated to be the media and broadcast centre for the 2010 Olympic and Paralympic Games. Structural steel work is well under way. Cost estimates rose in July.

Financing: Government of Canada, \$222.5 million; Province of British Columbia, \$272.5 million; Tourism Vancouver, \$90 million; commercial revenues from the site, \$30 million.

Status: Estimated completion date is 2008.

11

**Prince Rupert
Port Expansion**
Value: \$770 million

Location: Prince Rupert, British Columbia
Type: Port

Key Players: Prince Rupert Port Authority (owner); Maher Terminals, CN Rail, Fraser River Pile & Dredge, Western Industrial Contractors, Babco Electric Group, BA Blacktop Ltd./Pennecon Ltd., Ledcor Group of Companies, JACO Powerlines Ltd.

Project Details: Expansion of existing facilities will create a state-of-the-art container terminal occupying 200 acres of land and capable of handling two million TEUs (Twenty-Foot Equivalent Units) a year. The first stage, which involves installation of three 120-metre high super post-panamax cranes to handle 500,000 TEUs is expected to be operational in the fall. Phase 2, which will increase capacity by 1.5 million TEUs is expected to begin in early 2008.

Financing: Public

Status: Estimated completion date is 2008.

13

**Portlands
Energy Centre**
Value: \$730 million

Location: Toronto, Ontario **Type:** Energy

Key Players: Ontario Power Generation and TransCanada Energy Ltd. (a subsidiary of TransCanada Corporation) (owner); SNC-Lavalin; Aecon.

Project Details: A 550-megawatt, state-of-the-art, natural-gas-fired plant adjacent to the former R.L. Hearn Generating Station on Toronto's waterfront. The combined-cycle plant will operate at a 56 per cent efficiency rating compared to the 35 per cent efficiency rating of a conventional single-cycle plant. The plant is designed to keep noise to a minimum and take up less space than the Hearn plant. The first 250 megawatts are scheduled to be in service by June 1, 2008 and the final 300 megawatts by 2009.

Financing: Public

Status: Estimated completion date is 2009.

15

**Chute-Allard et des
Rapides-des-Coeurs**
Value: \$680 million

Location: Saint-Maurice River, Quebec
Type: Energy

Key Players: Hydro-Québec (owner).

Project Details: The project will have a total capacity of 138 megawatts.

Financing: Public

Status: Estimated completion date is 2009.



12

Canaport LNG Terminal
Value: \$750 million

Location: Saint John, New Brunswick
Type: Port

Key Players: Canaport LNG (Irving Oil and Repsol YPF) (owner); SNC-CENMC G.P. (SNC-Lavalin Inc. and CENMC Canada Inc., an affiliate of Saipem SpA); Kiewit-Weeks-Sandwell Partnership (a consortium of Peter Kiewit Sons Co of St. John's, Newfoundland & Labrador); Weeks Marine of Cranford, New Jersey; and Sandwell Engineering of Vancouver, British Columbia (offshore facilities, including the receiving pier).

Project Details: The project includes three 160,000-cubic-metre storage tanks, a 350-metre off-loading jetty with mooring facilities for LNG carriers with up to 200,000-cubic-metre capacity and a closed loop unloading system. Construction accelerated on two storage tanks under construction.

Financing: Private. City of Saint John voted to freeze property taxes for the terminal site at \$500,000 for 25 years.

Status: The third will get under way in 2008.

14

Red River Floodway Expansion
Value: \$690 million

Location: Winnipeg, Manitoba **Type:** Environmental

Key Players: Manitoba Floodway Authority (owner); Dillon Consulting Limited, KGS Group, Earth Engineering Inc., First Canadian Engineers, SNC-Lavalin, Barnes & Duncan, Strikivshi Contracting, Nelson House Forest Industries, PCL Constructors Ltd., Erickson Construction, MD Steele, Lafarge Canada Inc., Barkman Concrete Ltd.

Project Details: Work includes excavation of the floodway embankment east of Grande Pointe, excavation of the floodway channel, replacement and upgrading of the PTH 59 South Bridge, replacement and upgrade of the Trans-Canada Highway East Bridge, Construction of the Sprague Railway Bridge, relocation of the City of Winnipeg Aqueduct and extension of the West Dike.

Financing: Public **Status:** Estimated completion date is 2009.

16

Greenfield Energy
Value: \$675 million
Location: Courtright, Ontario
Type: Energy

Key Players: Mitsui & Co., Ltd., Greenfield Energy Centre LP, Calpine Corporation.

Project Details: The Greenfield Energy Centre is a 1,005-megawatt combined cycle power generating facility that will meet the growing demand for electricity in Ontario. The facility will have the capacity to serve the needs of hundred of thousands of homes and businesses in the local region. The facility will be fueled by natural gas.

Financing: Private

Status: Estimated completion date is 2008.

17

**Toba Montrose
Hydroelectric Project**
Value: \$660 million

Location: Powell River, British Columbia
Type: Energy

Key Players: Plutonic Power Corporation; GE Energy Financial Services; Peter Kiewit Sons Co.

Project Details: The project involves the construction of a 196-megawatt run-of-the-river hydroelectric project including development of two powerhouses with intakes, penstocks and transmission lines.

Financing: Private

Status: Estimated completion date is 2010.



18

Sea to Sky Highway Improvement Project
Value: \$625 million

Location: Vancouver, British Columbia

Type: Transportation

Key Players: British Columbia Ministry of Transportation (owner); S2S Transportation Group (Macquarie North America Ltd., Peter Kiewit Sons Co., JJM Group, Hatch Mott MacDonald, ND Lea Consultants Ltd., Miller Paving, Capilano Highway Services).

Project Details: Upgrades include: Four lanes from Horseshoe Bay to Lions Bay; two, three and four lane sections from north of Lions Bay to Murrin Park; four lanes from north of Murrin Park through Squamish; three lanes from Squamish to Whistler.

Financing: S2S Transportation Group has a 25-year design, build, finance, operate contract.

Status: Estimated completion date is 2009.

19

Edmonton Remand Centre
Value: \$620 million

Location: Edmonton, Alberta

Type: Justice

Key Players: Province of Alberta (owner); O'Neill O'Neill Procinsky Architects (architect); Stuart Olson Constructors (construction manager).

Project Details: The 16-hectare site will house 2,000 inmates when it is completed. Site preparation and earthworks have begun and construction is expected to get under way in early 2008. The project involves construction of seven podular three-tier housing units to accommodate both male and female inmates.

Financing: Public

Status: Estimated completion date is 2013.

21

Winnipeg International Airport Redevelopment
Value: \$572 million

Location: Winnipeg, Manitoba **Type:** Airports

Key Players: Winnipeg Airports Authority (owner); Parsons, Wardrop Engineering (program management support); Pelli Clarke Pelli Architects, Stantec Architecture, Marshall Macklin Monaghan, Unison-Maximus, Apple Designs, Earth Tech Canada (design groups); Man-Shield Construction, PCL Constructors Canada, Nelson River Construction, Mulder Construction (contractors).

Project Details: Work includes 51,000 square metres of new terminal space; a four-level parking facility, airside construction and additional aircraft parking apron.

Financing: CIBC World Markets, RBC Capital Markets, TD Securities, Macquarie North America.

Status: Working on airport terminal building (phase 1) from 2006-09. Later work will include a second phase for the airport terminal building.



20

Toronto Power Line
Value: \$600 million

Location: Toronto, Ontario **Type:** Energy

Key Players: Hydro One (owner); Toronto Hydro.

Project Details: The 26-kilometre line would go south from Markham to the Port Lands in Toronto, supplying between 600 and 700 megawatts of power.

Financing: Public

Status: Estimated completion date is 2012.

22

North Bay Regional Health Centre
Value: \$552 million

Location: North Bay, Ontario

Type: Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); North Bay Regional Health Centre (owner); Plenary Health (Plenary Group, Deutsche Bank AG, PCL Constructors Canada and Johnson Controls.)

Project Details: The project will provide new facilities for both the North Bay General Hospital and the Northwest Mental Health Centre. The new hospital facilities will include a larger emergency department with 32 treatment beds, a new consolidated ambulatory

care centre and 275 acute care beds. The mental health facilities will include 52 forensic psychiatry beds; 61 specialized mental health beds; a client services mall, gymnasium, workshops, psychiatric offices, clinical and administrative spaces and outreach services.

Financing: Plenary Health is responsible for the construction, financing, building maintenance, repair and renewal for 30 years. The group will be paid about \$35 million each year over 30 years after construction is complete.

Status: Estimated completion date is 2010.

23

**Harrison
Hydro Project**
Value: \$500 million

Location: British Columbia **Type:** Energy

Key Players: BC Hydro; Cloudworks Energy Inc.; Connor Clark & Lunn Infrastructure Ltd.

Project Details: The project involves six run-of-the-river dams (Douglas Creek, Fire Creek, Stokke Creek, Tipella Creek, Lamont Creek and Upper Stave River) that will serve a new substation being built at the northern end of Harrison Lake. The dams are expected to produce 150 megawatts of power.

Financing: Private

Status: Estimated completion date is 2010.



25

**Calgary Ring Road,
Stoney Trail NW**
Value: \$425 million

Location: Calgary, Alberta

Type: Transportation

Key Players: Alberta Infrastructure and Transportation (owner); UMA Engineering Ltd. (design and construction management); PCL-Maxam, a joint venture, CH2M Hill Canada Limited.

Project Details: The Stoney Trail Expansion Project will connect Highway 1 (Trans-Canada Highway) to Highway 2 (Deerfoot Trail) with a four-lane divided highway. It will extend the Calgary Ring Road from Country Hills Boulevard to Deerfoot Trail through intersections of Sarcee Trail, Shaganappi Trail, Beddington Trail, Panorama Hills Boulevard, Harvest Hills Boulevard and 11 Street NE.

Financing: Public

Status: Estimated completion date is 2008.

24

Seymour-Capilano Water Utility Projects
Value: \$450 million

Location: Vancouver, British Columbia **Type:** Water/Wastewater

Key Players: Greater Vancouver Regional District (owner); Seymour Capilano Filtration Plant—SSBV Consultants Inc. (joint venture of Stantec, Amec and Black & Veatch), NAC Constructors Ltd., Graham Industrial Services Ltd. Capilano Pumping Station—SSBV Consultants Inc., Kingston Construction Ltd. Twin Tunnels—Hatch Mott MacDonald, Bilfinger Berger Canada. Energy Recover Facility/Break Head Tank—Knight Piesold Consulting, Kingston Construction Ltd.

Project Details: New drinking water filtration plant, twin tunnels linking the Seymour and Capilano watersheds, a new communications tower at the Seymour Falls Dam, a seismic upgrade to the Seymour Falls Dam, a new water main twinning the existing main linking the Seymour plant to Burrard Inlet.

Financing: Public

Status: The project is about 60-65 per cent complete. Estimated completion date is 2008.



26

**Abbotsford Regional
Hospital & Cancer Centre**
Value: \$424 million

Location: Abbotsford, British Columbia **Type:** Hospital/Healthcare

Key Players: British Columbia Ministry of Health (on behalf of Fraser Health Authority and Provincial Health Services Authority) (owner); Access Health Abbotsford: the team includes Macquarie North America (finance); ABN AMRO N.V. (finance); PCL Constructors Westcoast Inc. (construction); Musson, Catell Mackey/Silver Thomas Hanley (design); Johnson Controls, Sodexho Inc. (facility management).

Project Details: The project will create a 300-bed acute care regional hospital and cancer centre.

Financing: The Fraser Valley Regional Hospital District is contributing \$71.3 million and the Macquarie Group and ABN AMRO are financing the rest of the project through equity investment and fixed-rate amortizing bonds. The proponents receive a fixed-rate annual service payment and variable repair and replacement payments to cover major maintenance.

Status: Estimated completion date is 2008.

27

Sault Area Hospital
Value: \$408 million

Location: Sault Sainte Marie, Ontario **Type:** Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); Sault Area Hospital (owner); Hospital Infrastructure Partners (Carillion Canada Inc., EllisDon Corporation, Labourers' Pension Fund of Central and Eastern Canada, CIT Financial).

Project Details: The project involves the construction of a new three-storey facility of more than 580,000 square feet. The building will accommodate 289 acute care, rehabilitation, mental health and complex continuing care beds as well as support services and outpatient programs. It will consolidate the services of two existing sites.

Financing: Financing for the construction portion of the project was arranged by CIT Group Securities (Canada) Inc. A one-time payment will be made to Hospital Infrastructure Partners at substantial completion followed by monthly service payments to cover construction, building maintenance, life cycle repair and renewal and project financing.

Status: Estimated completion date is 2010.

29

Sydney Tar Ponds Cleanup
Value: \$400 million

Location: Sydney, Nova Scotia **Type:** Environmental

Key Players: Sydney Tar Ponds Agency (owner); Earth Tech, CBCL Ltd., Jacques Whitford Ltd., ADI Limited, AMEC Ltd.

Project Details: The project involves cleanup of contamination left behind on four sites as the result of 100 years of steel and coke production—the tar ponds, the former coke ovens property, the old dump and the stream that carried contaminants from the coke ovens to the tar ponds. More than a million tonnes of material requires cleanup.

Financing: Public **Status:** Estimated completion date is 2014.

31

Halifax Harbour Cleanup
Value: \$330 million

Location: Halifax, Nova Scotia **Type:** Water/wastewater

Key Players: Halifax Regional Municipality (owner); Dexter Construction Company Limited (sewage collection); D&D Water Solutions Inc. (Dexter Construction Company Limited and Degrèmont SA) (treatment plants); SGE Acres Limited (biosolids treatment plant).

Project Details: Three treatment plants in Halifax, Dartmouth and Herring Cove as well as collection systems throughout the regional municipality. The treatment plant and the collection system in Halifax is complete. Dartmouth was expected to be complete later in 2007 and Herring Cove in 2008.

Financing: Federal government, \$60 million; Nova Scotia, \$30 million; \$2 million in donated land; Halifax Regional Municipality, balance of cost.

Status: Estimated completion date is 2008.

28

Calgary International Airport
Value: \$407 million

Location: Calgary, Alberta **Type:** Airports

Key Players: Calgary Airport Authority (owner); UMA/AECOM Ltd. (project management consultant); Cohos Evamy Integrated Design (prime design consultant). Earth Tech Inc. (electrical and mechanical consultant).

Project Details: There will be an addition to the existing terminal and extensive renovations within the existing terminal to address projected passenger levels for both transborder and international travel. Renovations will involve baggage, inspection and pre-boarding screening facilities.

Financing: Public **Status:** Design is under way with construction scheduled to start in early 2008. Estimated completion date is 2013.

30

Durham Consolidated Courthouse
Value: \$334 million

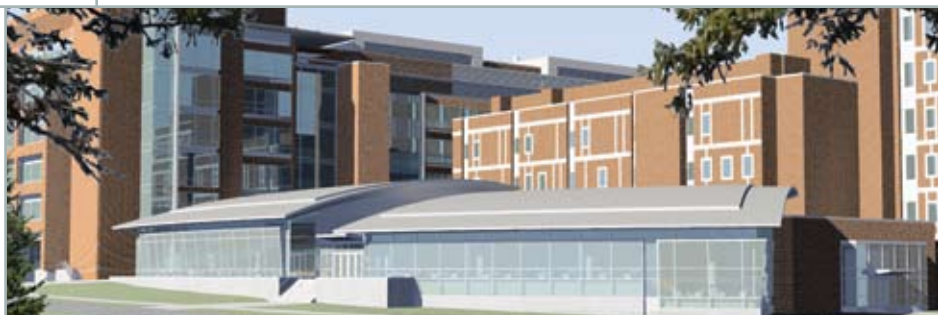
Location: Oshawa, Ontario **Type:** Justice

Key Players: Infrastructure Ontario (provincial government); Ontario Ministry of the Attorney General (owner); Access Justice Durham (Babcock & Brown Infrastructure Group, PCL Constructors Canada Inc., Johnson Controls LP and WZMH Architects).

Project Details: The project will consolidate justice services provided in eight different locations across the region. The new facility will have 33 courtrooms, three motions rooms, two conference/settlement rooms and related justice services.

Financing: Financing for the project was underwritten by Babcock & Brown Infrastructure Group. Access Justice Durham is responsible for financing construction and capital costs for the project and providing facility management and life cycle maintenance for the facility for 30 years. Annual payments of \$19.75 million (paid on a monthly basis) will begin upon completion of construction.

Status: Estimated completion date is 2009.



32

Centennial Centre for Interdisciplinary Science, U of A
Value: \$312 million

Location: Edmonton, Alberta **Type:** Educational Institution

Key Players: University of Alberta (owner); Stantec Consulting Ltd. (project manager); PCL Construction Management, Hazco, Canem Systems Ltd., DMI Services (contractors); Stantec Consulting, Hemisphere Engineering, Read Jones Christofferson, Theakston Environmental (consultants).

Project Details: Phase 1 is a 4,373-square-metre, two-storey, basement structure while Phase 2 is a 52,227-square-metre, multi-storied building that will replace the existing Physics Building and V-Wing at the north end of the university's quad and serve as the central focus for the Faculty of Science.

Financing: Public **Status:** The \$17-million Phase 1 is complete. Phase 2 is scheduled for completion in November 2009.

33

Foothills Medical Centre McCaig Tower
Value: \$300 million

Location: Calgary, Alberta
Type: Hospital/Healthcare

Key Players: The Calgary Health Region (owner); Cohos Evamy Integrated Design (architect); EllisDon (construction manager).

Project Details: The new tower, part of an extensive renovation of existing facilities, will provide a new west entrance to the hospital complex and will house an all-new intensive care unit, new medical laboratories and in-patient units. New construction will include a 615-space underground parkade. Renovations and additions to existing buildings will include emergency department renovations and expansion; alterations to admissions, the blood gas lab and the rehabilitation department; new waste handling and loading docks; power plant and pump house additions; and a new grounds maintenance building.

Financing: Public

Status: Estimated completion date is 2008.

34

Union Station Signalling Contract
Value: \$280 million

Location: Toronto, Ontario
Type: Transportation

Key Players: GO Transit (owner); Siemens Canada Limited (contractor)

Project Details: The project involves the design, supply, installation and commissioning of a new state-of-the-art control signals system for Union Station, replacing the system that has been in place since 1920. The benefits of the project include the possibility of bringing more trains in and out of Union Station, more reliable operation of trains, improved communications and increased scheduling flexibility.

Financing: The federal government will contribute \$90 million and the provincial government the remainder.

Status: Estimated completion date is 2014.

37

Melancthon II Wind Farm
Value: \$265 million

Location: Shelburne, Ontario **Type:** Energy

Key Players: Canadian Hydro Developers Inc. (owner); Stantec Consulting Ltd.

Project Details: The project involves construction of a 110 megawatt wind farm with 88 1.5-megawatt General Electric turbine units.

Financing: Private

Status: Estimated completion date is 2008.

35

Manitoba Hydro Downtown Office Building
Value: \$278 million

Location: Winnipeg, Manitoba
Type: Government Offices

Key Players: Manitoba Hydro (owner); Kuwabara Payne McKenna Blumberg Architects (design architect); Smith Carter Architects and Engineers Inc. (architect of record); PCL Constructors Canada Inc. (construction manager); Earth Tech (Canada) Inc. (electrical/mechanical consultant); Crosier Kilgour & Partners Ltd./Halcrow Yolles (structural consultant); Wardrop Engineering Inc. (civil consultant); UMA Engineering Ltd./Dyregrov Consultants (geotechnical engineering).

Project Details: The new building will accommodate about 1,800 employees in about 600,000 square feet of space. The building is designed for energy efficiency and sustainability aiming for LEED Gold certification. It is designed for a 60 per cent reduction in energy usage compared to the Model National Energy Code for Buildings. Projected cost for the project has gone up by \$20 million and completion has been delayed until May 2008. Reasons for the delay include availability of skilled workers, unexpected soil conditions and severe price increases for materials such as cement, steel and copper.

Financing: Public

Status: Estimated completion date is 2008.



36

Roberts Bank Container Expansion
Value: \$272 million

Location: Vancouver, British Columbia **Type:** Port

Key Players: Vancouver Port Authority (owner); Deltaport Constructors Ltd.

Project Details: The expansion involves two projects — one at Roberts Bank Terminal and the other at Deltaport Terminal — to increase capacity to 1.3 million TEUs (Twenty-Foot Equivalent Units) from the current 900,000. The project includes constructing a third berth at the Deltaport Container Terminal as well as dredging and filling.

Financing: Public **Status:** Estimated completion date is 2009.

38

Peter Lougheed Centre
Value: \$260 million

Location: Calgary, Alberta **Type:** Hospital/Healthcare

Key Players: Calgary Health Region (owner); HOK and Marshall Tittlemore Architects in collaboration (architect).

Project Details: This major redevelopment of the Peter Lougheed Centre hospital involves both new construction and renovation. The new addition of 37,000 square metres and the renovation of 10,000 square metres will be built to LEED Silver standards.

Financing: Public **Status:** Estimated completion date is 2008.

39

**Henderson General Hospital
Redevelopment**
Value: \$259 million

Location: Hamilton, Ontario **Type:** Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); Hamilton Health Sciences (owner); EllisDon (contractor); Pacific & Western Bank of Canada (financing)

Project Details: The redevelopment project consists of about 400,000 square feet of new construction and more than 25,000 square feet of renovations. It will provide a full range of active in-patient and ambulatory care services supporting cancer care and patients from the Juravinski Cancer Centre. Oncology and critical care beds will be added and more capacity will be developed for emergency services, surgery, diagnostic services, outpatient clinics and support areas.

Financing: EllisDon is committed to build and finance the expansion and redevelopment project for \$198.1 million. The total cost of the project includes demolition of 70 Wing South and other design, furniture and equipment costs.

Status: Estimated completion date is 2012.

40

Art Gallery of Ontario
Value: \$254 million

Location: Toronto, Ontario **Type:** Social

Key Players: Province of Ontario (owner); Gehry International, Architects, Inc. (architectural design); Yolles Engineering Solutions (structural engineering); H. H. Angus & Associates (mechanical engineering); Mulvey + Banani International Inc. (electrical engineering); Trow Associates Inc. (geotechnical engineering); EllisDon (pre-construction manager).

Project Details: The addition will increase the galleries viewing space for art by 47 per cent. There will be a new entrance, a new, glass-enclosed sculpture gallery, a Centre for Contemporary Art and a new meeting space which will include a two-level gift and book shop, a fine-dining restaurant, a casual café, the members lounge, a lecture/film theatre and a free space for contemporary art projects accessible from the street.

Financing: Government of Canada, \$48 million; Province of Ontario, \$63 million.

Status: Estimated completion date is 2008.



41

**Vancouver Island
Transmission Reinforcement**
Value: \$248 million

Location: British Columbia **Type:** Energy

Key Players: BC Transmission Corp. (owner).

Project Details: Replacement of existing overhead transmission lines running through Tsawwassen to service the power needs of Vancouver Island and the Gulf Islands. New overhead and underground lines and cables will carry nearly double the voltage.

Financing: Public

Status: Construction is under way and is expected to be completed by October 2008. A submarine cable contract has been approved.



42

**Glenmore and
Bearsaw
Water Treatment
Plants Upgrade**
Value: \$235 million

Location: Calgary, Alberta **Type:** Water/Wastewater

Key Players: City of Calgary (owner); PCL-Maxam, a Joint Venture (contractor); Associated Engineering Alberta Ltd. (primary consultant).

Project Details: The project involves two water treatment plant upgrades, one a 500 million-litre-per-day plant and the other 400 million litres per day. The work includes pretreatment and residuals treatment facilities, filter rehabilitation, air scour systems, sodium hypochlorite facility, carbon dioxide systems, activated carbon and UV disinfection.

Financing: Public **Status:** Estimated completion date is 2012.



43

**Northwest
LRT Extension**
Value: \$230 million

Location: Calgary, Alberta

Type: Public Transit

Key Players: City of Calgary (owner); PCL (contractor); PNR Railworks (track); Enmax (electrical); Lafarge (interchanges).

Project Details: The northwest extension involves the construction of two interchanges a station and parking facilities.

Financing: Public

Status: Estimated completion date is 2008.



44

South Light-Rail Transit (LRT) Extensions
Value: \$228 million

Location: Edmonton, Alberta **Type:** Transportation
Key Players: City of Edmonton (owner); PCL Construction Management Inc. (construction manager).
Project Details: Several contracts on the South LRT involve some complex tunnelling and construction of several transit stations.
Financing: Public **Status:** Estimated completion date is 2009.

45

Nanaimo Centre Project/Vancouver Island Conference Centre
Value: \$220 million

Location: Nanaimo, British Columbia **Type:** Social
Key Players: City of Nanaimo (owner); Triarc International Inc.
Project Details: Phase one includes a conference centre; 20-storey, 140-room Marriott hotel, 225-seat auditorium and museum. Phase two includes development of former foundry and civic arena sites into twin condominium high-rises containing 300 units and two ice arenas.
Financing: Public and private financing are involved in the project.
Status: Estimated completion date is 2009.

46

Bluewater Health
Value: \$214 million

Location: Sarnia, Ontario **Type:** Hospital/Healthcare
Key Players: Infrastructure Ontario (provincial government); Bluewater Health (owner); EllisDon (contractor); Pacific & Western Bank of Canada (financing).
Project Details: The project will add 325,000 square feet of new space, expanding existing emergency facilities, consolidating the maternal infant child program by putting labour, birthing and pediatric care services on one floor and boosting the number of hospital beds by 18 per cent.
Financing: EllisDon is committed to build and finance the project for \$214,080,285. Construction financing was arranged by Pacific & Western Bank of Canada. A portion will be repaid at completion of the new building and the remainder will be paid at substantial completion of the total project.
Status: Estimated completion date is 2011.

47

Highway 25 Expansion
Value: \$210 million

Location: Montreal, Quebec **Type:** Transportation
Key Players: Quebec Ministry of Transportation (owner); Concession A25 S.E.C.—Macquarie Group (financing); Kiewit-Parsons (design-build construction); Miller Paving (long-term maintenance); St. Lawrence Cement; Genivar (engineering); TransCore (tolling).
Project Details: A 7.2 kilometre four-lane extension to Highway 25 will unite Highway A-440 at Laval and Henri-Bourassa Boulevard in Montreal. A new six-lane, 1.2 kilometre bridge linking Laval and Montreal Island across Riviere des Prairies is also included.
Financing: A 35-year design, build, maintain contract with the consortium paid through construction and availability payments. The government will collect tolls to cover those payments.
Status: Estimated completion date is 2011.

48

Residential Care and Assisted Capacity Initiative
Value: \$210 million

Location: Vancouver Island, British Columbia **Type:** Hospital/Healthcare
Key Players: Partnerships BC, British Columbia Ministry of Health, Vancouver Island Health Authority, The Ahmon Group, Baptist Housing Society of BC, the Capital Region Housing Corporation and Beckley Farm Lodge Society, Good Samaritan Canada, Jones Development Corporation and inSite, New Horizons Care Corporation, Retirement Concepts, Spoke Elderly Citizen's Housing Society and West Coast Native Health Care Society.
Project Details: This project is intended to deliver 1,050 new units (795 long-term care beds and 255 assisted living units) by 2008 and the capability of delivering an additional 180 units (65 long-term care beds and 115 assisted living units by 2010). They are located in Campbell River, Courtney/Comox, Duncan, Nanaimo, Parksville, Port Alberni, Sooke and Victoria.
Financing: The individual concessionaires will design, construct, finance and operate the facilities. The Vancouver Island Hospital Authority and BC Housing will fund each facility at an agreed-upon amount for a 20-year operating term.
Status: Estimated completion date is 2008.

49

Cariboo Connector
Value: \$200 million

Location: Prince George, British Columbia **Type:** Transportation
Key Players: British Columbia Ministry of Transportation (owner); Peter's Bros. Construction Ltd. (Fletchers); Integrated Contractors Ltd. (Plett Road).
Project Details: The first five-year phase of this program to widen the 460-kilometre section of Highway 97 from Cache Creek to Prince George got under way in 2005. The eventual cost of the total program will be \$2 billion. The Simon Fraser Bridge four-laning contract was issued in 2007 with completion

in spring 2009; four-laning from the bridge to Sintich Road will begin in 2008 with completion in fall 2009; Prince George weigh-scale relocation and associated four-laning will be tendered in February 2007 with completion in late 2007; Horse Lake Road intersection improvement is under design; Fletchers four laning was completed in 2005 and Plett Road was completed in fall 2006.

Financing: Public **Status:** Estimated completion date is 2009.

50

Edmonton International Airport
Value: \$200 million

Location: Edmonton, Alberta Type: Airports

Key Players: Edmonton Airports (owner).**Project Details:** Edmonton's most recent expansion, costing \$280 million, was expected to provide enough capacity until 2015 when it was completed two years ago but passenger volumes have soared, moving the need for expansion ahead significantly. The airport now plans to spend \$200 million in the next five years in order to meet the airport's needs until sometime between 2015 and 2020. Among the improvements will be an expansion to 21 gates from the current 17, enhancement of the transborder area, adding a new concourse and expanding aprons and constructing new de-icing pads. Work is under way on the expansion of the airport parkade, adding 1,000 stalls.**Financing:** Public **Status:** Operations are scheduled to begin in December 2007 and project completion is scheduled for 2008.

53

**Robbins Pavilion,
Royal Alexandra Hospital**
Value: \$190 million

Location: Edmonton, Alberta Type: Hospital/Healthcare

Key Players: Capital Health (owner); The Cohos Evamy Partners (architect); EllisDon (general contractor).**Project Details:** The project will have two medical-surgical floors, a women's health centre and a teaching facility for the University of Alberta's Faculty of Medicine and Department of Obstetrics and Gynecology contained in the 33,450 square metres of the building. There will be a total of 254 beds.**Financing:** Public **Status:** Estimated completion date is 2008.

55

Royal Alberta Museum
Value: \$180 million

Location: Edmonton, Alberta Type: Social

Key Players: Government of Alberta (owner); Cohos Evamy + Lundholm Associates Architects (architect); Reich + Petch Design International (exhibit master plan).**Project Details:** Phase I of the project will include a 250,000-square-foot addition to accommodate new galleries, collections storage, offices and lab spaces, a number of new galleries, underground parking for 300 vehicles and modifications to the existing building to ensure it can support museum operations in the future.**Financing:** \$170 million, Government of Alberta; \$30 million, federal government; \$50,000, City of Edmonton.**Status:** Estimated completion date is 2011.

51

Pitt River Bridge and May Hill Interchange
Value: \$198 million

Location: Port Coquitlam, British Columbia Type: Transportation

Key Players: BC Ministry of Transportation (owner); Peter Kiewit Sons Co., ND Lea Inc and Associated Engineering (B.C.) Ltd.**Project Details:** The new six-lane bridge, with an additional truck lane, will replace two existing bridges linking Pitt Meadows and Port Coquitlam.**Financing:** \$90 million from federal government; design-build project.**Status:** Estimated completion date is 2009.

52

Peterborough Regional Health Centre
Value: \$197 million

Location: Peterborough, Ontario Type: Hospital/Healthcare

Key Players: Peterborough Regional Health Centre (owner); Stantec Architecture Ltd. (architect); EllisDon (contractor).**Project Details:** The 750,000-square-foot, seven-storey structure will accommodate up to 494 beds and a number of additional medical services. The new building will consolidate two local hospitals into one site and, once the new facility is completed, the existing facilities will be demolished.**Financing:** Public **Status:** Estimated completion date is 2008.

54

**Edmonton Clinic North
at University of Alberta**
Value: \$185 million

Location: Edmonton, Alberta Type: Hospital/Healthcare

Key Players: Capital Health (owner), University of Alberta, HOK and Stantec Architecture in association (architect).**Project Details:** The clinic will be an 80,000-square-metre, student-focused teaching and research centre operated by the University of Alberta. The project will be designed to LEED Silver standard.**Financing:** Public **Status:** Estimated completion date is 2012.

56

Hôpital Montfort
Value: \$177 million

Location: Ottawa, Ontario Type: Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); Hôpital Montfort (owner); EllisDon (contractor); Stantec/Murphy Hilgers Architects (architect).**Project Details:** The project will more than double the size of the existing hospital, adding 420,000 square feet. The new hospital will have 289 acute care beds. Two new wings will be added on the west side of the existing hospital, a new main and emergency entrance will be added and a new six-storey tower will be added on the east side which will provide a new location for the Canadian Forces Health Services Group.**Financing:** Financing of the of construction portion of the project was arranged through a syndicate led by BMO Bank of Montreal and including Caisse centrale Desjardins and RBC Capital Markets. EllisDon is committed to building the facilities for a maximum price of \$172,995,000 which will be paid at substantial completion of the project.**Status:** Construction got under way in May 2006. The new addition was completed in 2007 and the renovation of existing space is scheduled for completion in 2009.

57

Ripley Wind Power Project
Value: \$176 million

Location: Ripley, Ontario **Type:** Energy

Key Players: Acciona Wind Energy Canada/Suncor Energy Products Inc.

Project Details: The project includes 38 two-megawatt Enercon wind turbines, a transmission line and two electrical substations on the eastern shore of Lake Huron. It will generate enough electricity to power 24,000 homes.

Financing: Private **Status:** Estimated completion date is 2008.

58

Carleton Wind Farm
Value: \$170 million

Location: Carleton-sur-Mer, Quebec **Type:** Energy

Key Players: Cartier Wind Energy Inc. (TransCanada Corp. and Innerfex II Income Fund).

Project Details: Total capacity of 109.5 megawatts with 73 turbines providing enough power for 21,000 households. Part of an overall \$1.1-billion wind energy investment on the Gaspé Peninsula.

Financing: Private **Status:** Estimated completion date is 2008.

59

William R. Bennett Bridge
Value: \$170 million

Location: Okanagan Lake, British Columbia

Type: Transportation

Key Players: British Columbia Ministry of Transportation (owner); Okanagan Lake Concession Limited Partnership (SNC-Lavalin Constructors (Pacific) Inc. and CMIR OKB Holdings Ltd.).

Project Details: The five-lane pontoon bridge will replace the existing bridge linking Kelowna and Westbank, across Lake Okanagan.

Financing: Design, build, finance and operate.

Status: Estimated completion date is 2008.



60

Queen Elizabeth Way Widening
Value: \$167 million

Location: St. Catharines, Ontario

Type: Transportation

Key Players: Ontario Ministry of Transportation (owner); Dufferin Construction.

Project Details: Widening of 9.4 kilometre to six lanes from Seventh Street South to the Garden City Skyway.

Financing: Public

Status: Estimated completion date is 2011.

61

Colchester Regional Hospital
Value: \$159 million

Location: Truro, Nova Scotia

Type: Hospital/Healthcare

Key Players: Colchester East Hants Health Authority (owner); WHW Architects Ltd. and Farrow Partnerships Architects Ltd. (architect); EllisDon (construction manager); Eastin Projects Ltd. (project manager).

Project Details: The new 124-bed facility will provide surgical, medical, mental health, intensive care, maternal child services, diagnostic and ambulatory care services, expanded urology services, a new palliative care unit, a range of ambulatory care services, a helipad and enhanced privacy and infection control.

Financing: Public

Status: Estimated completion date is 2011.

62

Canadian Museum of Nature
Value: \$152 million

Location: Ottawa, Ontario **Type:** Social

Key Players: Government of Canada (owner); Barry Padolsky Associates Inc. Architects; Kuwabara Payne McKenna Blumberg Architects, Gagnon, Letellier, Cyr Architect (architects in a joint-venture consortium); PCL Constructors Canada Inc. (contractor).

Project Details: Renovation of the Victoria Memorial Museum Building.

Financing: Public

Status: Estimated completion date is 2009.

63

Ashbridges Bay Treatment Plant Odour Control
Value: \$150 million

Location: Toronto, Ontario

Type: Water/Wastewater

Key Players: City of Toronto (owner); Earth Tech Canada Ltd., Stantec.

Project Details: Detailed design is under way for one building and two pumping stations. Biofilters and bioscrubbers to capture and treat existing odours are being used.

Financing: Public

Status: Estimated completion date is 2008.

64

Sunnybrook Health Sciences Centre
Value: \$142 million

Location: Toronto, Ontario **Type:** Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); Sunnybrook Health Sciences Centre (owner); Vanbots Construction (contractor).

Project Details: Expansion of the Centre M-Wing will create four additional floors above the existing clinical services wing. Two of the floors will be the home of Sunnybrook's Perinatal and Gynecology Program. These floors will provide 68 beds, 48 bassinets and accommodation for 4,250 births a year.

Financing: Vanbots Construction Corporation is committed to a maximum price contract for the project. Construction financing was arranged by Stonebridge Financial Corporation with payment at substantial completion.

Status: Estimated completion date is 2010.

65

Algoma Steel Cogeneration Facility
Value: \$135 million

Location: Sault Ste Marie, Ontario **Type:** Energy

Key Players: Algoma Energy LP (a wholly owned limited partnership of Algoma Steel.)

Project Details: Algoma Energy LP will construct and operate a new 70-megawatt cogeneration power facility at Algoma Steel's plant site, supported by a 20-year power purchase agreement with Ontario Power Authority. The new facility will be fueled by blast furnace and coke oven gases from Algoma's steel plant operations and will generate electricity and process steam.

Financing: Private.

Status: Estimated completion date is 2009.

66

Sudbury Regional Hospital
Value: \$132 million

Location: Sudbury, Ontario **Type:** Hospital/Healthcare

Key Players: Infrastructure Ontario, Hôpital régional de Sudbury Regional Hospital (owner), EllisDon Corporation (contractor), Royal Bank of Canada (financing).

Project Details: The project includes a new emergency department, 17 operating rooms, an expanded intensive care unit, modernized medical equipment, new dialysis stations, an expanded cardiac catheterization lab and cardiac rehabilitation services and enhanced rehabilitation services. The project will consolidate three sites into one.

Financing: Construction of the project was funded through a bond offering of senior secured bonds underwritten by RBC Capital Markets. EllisDon is committed to a guaranteed maximum price and the financing will be repaid at substantial completion.

Status: Estimated completion date is 2009.

68

Border Infrastructure — Highway 15
Value: \$130 million

Location: Lower Mainland, British Columbia
Type: Transportation

Key Players: BC Ministry of Transportation (owner).

Project Details: Upgrading Highway 15 between 32nd Avenue and 88th Avenue to four lanes, intersection improvements, a bridge widening and rail overpass improvements.

Financing: Joint federal-provincial funding.

Status: Estimated completion date is 2008.



67

Kicking Horse Canyon Phase 2
Value: \$130 million

Location: Golden, British Columbia **Type:** Transportation

Key Players: BC Ministry of Transportation (owner); Trans-Pak Highway Group (Bilfinger Berger BOT Inc.; Flatiron Constructors Canada; Parsons Overseas Company of Canada; HMC Services Inc.).

Project Details: This is a 26-kilometre segment of the Trans-Canada Highway running from Highway 95 in Golden to the western boundary of Yoho National Park. The second phase involves replacement of the Park Bridge and upgrading and reconfiguration of 5.8 kilometres of highway approaches to the new bridge.

Financing: Design, build, finance, operate, maintain.

Status: Estimated completion date is 2008.



69

Windsor Gateway Project
Value: \$128 million

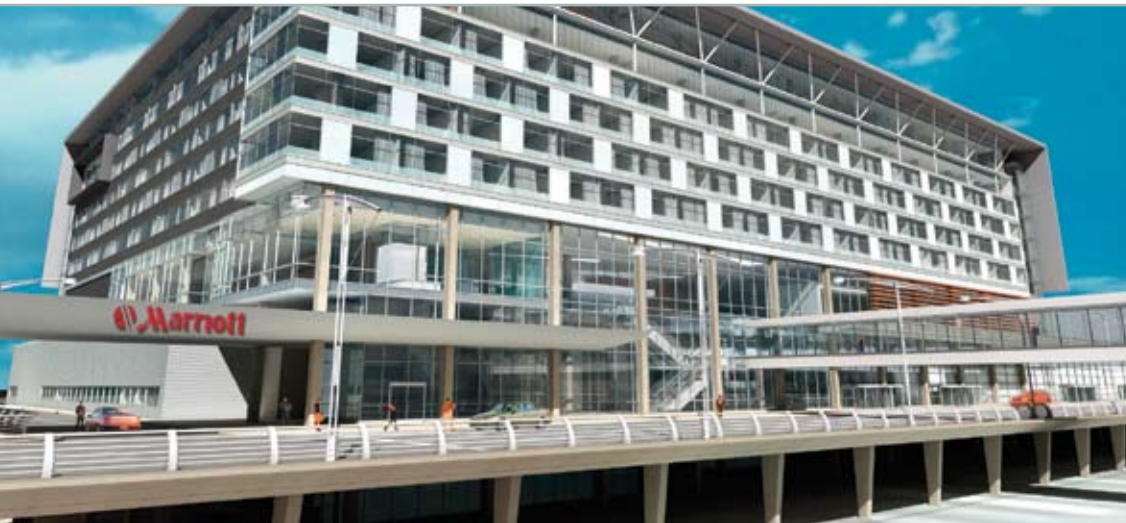
Location: Windsor, Ontario **Type:** Transportation

Key Players: Ontario Ministry of Transportation (owner).

Project Details: The Windsor-Detroit border is one of the busiest connections between Canada and the United States but the infrastructure on the Canadian side leads to constant delays. The entrance to the Detroit-Windsor tunnel is located in a congested area in downtown Windsor while access to the Ambassador Bridge is by a non-controlled-access arterial road. Ontario is committed to a new river crossing, access road and inspection plaza by 2013. Recently completed projects include intersection improvements, a pedestrian bridge on Huron Church Road and installation of a camera-monitoring system. Under construction are a grade separation at Walker Road and the CPR rail line and improvements to Manning Road.

Financing: Federal, provincial and municipal contributions.

Status: Estimated completion date is 2013.



71

Pierre Elliott Trudeau International Airport Expansion
Value: \$120 million

Location: Montreal, Quebec **Type:** Airports

Key Players: Aéroports de Montréal (owner); Société en commandite Adamax Immobilier Groupe Axor, Marriott International, institutional investor.

Project Details: Relocate the airport's transborder departure area and build a high-end, 275-room hotel, with one floor accommodating the airport authority's head office.

Financing: Finance, design, build and operate. **Status:** Estimated completion date is 2008.

70

Nova Scotia Community College
Value: \$123 million

Location: Several locations in Nova Scotia

Type: Educational Institution

Key Players: Nova Scotia Community College (owner); Barrie & Langille Architects Ltd., Moriyma and Teshima Architects and William & Associates Limited (architects); Eastin Projects Ltd. (project manager); Costello Fitt Consulting and Fairwyn Developments Ltd. (development consultants); EllisDon Corporation (construction managers).

Project Details: The college has 14 individual projects at various stages of development. The largest of these, a new campus on the Dartmouth waterfront is divided into two phases, the first \$50 million and the second \$29 million. Phase One, now complete, accommodates about 1,800 students in a 267,000-square-foot, LEED-designated building. Construction of Phase Two is expected to be completed by 2009.

Financing: Public

Status: Estimated completion date is 2009.

72

Queen's University, Queen's Centre Phase 1
Value: \$115 million

Location: Kingston, Ontario
Type: Educational Institution

Key Players: Queen's University (owner); Bregman + Hamann, Sasaki Associates Inc., Shoalts and Zaback (architects); PCL (contractors).

Project Details: The Queen's Centre (Phase 1) includes four buildings with a total area of 48,865 square metres (Buildings D to G).

Financing: Public

Status: Estimated completion date is 2009.

73

Peace Canyon Turbine Upgrade Value: \$112 million

Location: Hudson Hope, British Columbia **Type:** Energy

Key Players: BC Hydro (owner); Mitsubishi, VA Tech.

Project Details: Upgrading the turbines of units 1 through 4 and refurbishing generator units 1 to 4.

Financing: Public

Status: Estimated completion date is 2010.

74

Highway 7 Expansion Value: \$106 million

Location: Ottawa, Ontario
Type: Transportation

Key Players: Ontario Ministry of Transportation.

Project Details: Highway 7 from Ottawa to Carleton Place will be widened to four lanes. The roadwork will also include four interchanges, one new bridge, and two new park'n'ride lots.

Financing: Public

Status: The first phase from Highway 417 to Jinkinson Road began in 2006. Phase II is to begin as soon as property acquisition and design work are completed. Estimated completion date is 2011.

75

Ottawa Hospital, General Campus Redevelopment Value: \$105 million

Location: Ottawa, Ontario
Type: Hospital/Healthcare

Key Players: The Ottawa Hospital (owner); Lowry Otto Erskine Williams Architects Inc. (architect); EllisDon (contractor).

Project Details: Most of the work on the 372,000 square feet of new additions and 95,000 square feet of renovations is completed except for a few finishing touches. Construction is still going on in the critical care portion of the hospital, which is expected to be completed early this year.

Financing: Public

Status: Estimated completion date is 2008.

76

Trillium Health Centre Value: \$104.1 million

Location: Mississauga, Ontario
Type: Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); Trillium Health Centre (owner); EllisDon (contractor); RBC Capital Markets (financing).

Project Details: The Mississauga project includes a new cardiac catheterization lab, an operating room for cardiac surgery, additional cardiovascular intensive care beds, additional coronary care beds and diagnostic and support services for an increase of up to 135 in-patient beds. The West Toronto project includes expansion of the ambulatory surgical care facilities, redevelopment and expansion of the Urgent Care Centre, creation of a cancer detection and treatment facility, creation of healing gardens and expansion of a new south entrance.

Financing: Financing for construction was arranged by RBC Capital Markets. EllisDon has committed to a guaranteed maximum price contract. Payments will be linked to the two portions of the project. For the West Toronto portion of the project, a portion of the financing will be repaid at interim completion in the summer of 2008 with final payment at substantial completion in late 2008. For the Mississauga portion, an interim payment will be paid at interim completion in early 2009. The remaining amount will be paid at substantial completion in the summer of 2009.

Status: Estimated completion date is 2009.



78

Olympics — Whistler/ Callaghan Valley Olympic Village Value: \$95 million

Location: Whistler, British Columbia **Type:** Social

Key Players: Vancouver Olympic Committee (owner).

Project Details: Development of accommodation facilities for 2,700 athletes and team officials in 554 dwelling units in the Callaghan Valley, 13 kilometres from Whistler. After the Olympics, 216 rooms will be dedicated to an athlete training and accommodation centre.

Financing: Public **Status:** Estimated completion date is 2009.

77

Britannia Mine Remediation Project Value: \$99 million

Location: Britannia Beach, British Columbia
Type: Brownfield Redevelopment

Key Players: British Columbia Ministry of Agriculture and Lands (owner); MacDonald Development Corp., BC Mining Museum, Golder Associates, AMEC, SRK/Klohn Crippen, Water Management Consultants, URS, EPCOR Water Services Inc.

Project Details: Creation of a major mining technology centre, a tourist destination and a single-family residential development as part of the remediation of a mining community. A water treatment plant has been completed and a small hydroelectric facility may be rebuilt. Parts of the planned development await funding.

Financing: Public-private partnership.

Status: Project began in 2004 and completion is expected in 2010.

79

Roy McMurtry Youth Centre

Value: \$93.2 million

Location: Brampton, Ontario **Type:** Justice

Key Players: Infrastructure Ontario (provincial government); Ontario Ministry of Children and Youth Services (owner); Bird Construction (contractor).

Project Details: The project involves the construction of a 192-bed facility on the Invictus Youth Centre site and includes demolition, new construction and renovation of existing facilities. Eight new buildings will be constructed while two of the existing buildings will be renovated and the remainder will be demolished. The project will total about 206,000 square feet.

Financing: Financing for the project was arranged by CIT Group Securities (Canada) Inc. with Bird Construction agreeing to a guaranteed maximum price. The financing will be repaid at substantial completion of the project.

Status: Estimated completion date is 2009.

80

St. John's Harbour Cleanup

Value: \$93 million

Location: St. John's, Newfoundland **Type:** Water/wastewater

Key Players: City of St. John's (owner); Olympic Construction Ltd., G.J. Cahill & Co. 1979 Ltd., Modern Paving Ltd.

Project Details: Phase I, including collection, redirection and screening of sewage flows from the Waterford Valley drainage basin, construction of a diffused outfall on the south side of the harbour and construction of a pumping station, has been completed. Phase II includes construction of a primary treatment plant, expansion of the pumping station, construction of a harbour interceptor sewer and additions to the existing diffused outfall.

Financing: Federal government \$31 million; Newfoundland and Labrador government \$31 million; City of St. John's, City of Mount Pearl and Town of Paradise, \$31 million (Phase II).

Status: Estimated completion date is 2008.



81

Border Infrastructure — Highway 10

Value: \$93 million

Location: Surrey, British Columbia **Type:** Transportation

Key Players: British Columbia Ministry of Transportation (owner); UMA Group.

Project Details: Upgrading of Highway 10 to four lanes between 122nd and 172nd Street.

Financing: Joint federal/provincial. **Status:** Estimated completion date is 2008.

82

Boundary Bay Airport

Redevelopment

Value: \$90 million

Location: Vancouver, British Columbia

Type: Airports

Key Players: Alpha Aviation Inc. (owner); DGBK Architects; Pryde Schropp McComb; Rush Contracting; ND Lea Inc.

Project Details: The development will include a new terminal building and aviation-related commercial development on a 150-acre site. Construction has been completed on a new 48,000-square-foot hangar and CHC Helicopters has built a maintenance facility. The 40,000-square-foot terminal building is expected to be complete by late 2008.

Financing: Public-private partnership.

Status: Estimated completion date is 2008.

83

David Braley Cardiac, Vascular and Stroke Research Institute

Value: \$90 million

Location: Hamilton, Ontario **Type:** Hospitals/Healthcare

Key Players: Hamilton Health Services (owner); Parkin Architects Limited (Toronto) in partnership with McCallum Sather Architects (Hamilton) (architect); ABE - A Joint Venture of AMEC, Black and McDonald and EllisDon (contractor).

Project Details: The six-storey building will provide 165,000 square feet of research space, housing the existing Population Health Research Institute and the Henderson Research Centre.

Financing: Public **Status:** Estimated completion date is 2010.

84

Halifax Stanfield International Airport Terminal Expansion

Value: \$88 million

Location: Halifax, Nova Scotia

Type: Airport

Key Players: Halifax International Airport Authority (owner); PCL (construction manager).

Project Details: Additions and renovations to the Halifax Stanfield International Airport.

Financing: Public

Status: Estimated completion date is 2008.

85

Lakeshore West Rail Corridor Improvements
Value: \$88 million

Location: Mississauga, Ontario **Type:** Transportation

Key Players: Ontario Ministry of Transportation, Transport Canada, GO Transit (proponents); AGM Program Managers, Canadian National Railway.

Project Details: Addition of a third mainline track between the Port Credit Station in Mississauga and Kerr Street in Oakville. Bridge upgrades will be made at Credit River, Southdown Road, Mississauga Road, Joshua Creek and 16 Mile Creek. Platforms will be extended at Oakville, Port Credit and Clarkson stations to accommodate 12-car trains.

Financing: Federal government, \$29.3 million; Ontario government, \$29.35 million and the balance from municipalities. Part of the GO Transit Rail Improvement Program, which is funded through the Canada Strategic Infrastructure Fund.

Status: Estimated completion date is 2009.

86

York Archives
Value: \$85 million

Location: Toronto, Ontario **Type:** Government Building

Key Players: York University, Plenary Group, Morguard Investments, PCL.

Project Details: The new home for the Archives of Ontario, this new, self-contained facility, located at York University, will meet the highest international archival standards and will more than double the size of their current public reference area, providing better public services and enhanced access to the province's history. It is an integrated, multi-use, three-storey podium building that contains the Archives and an expansion of existing retail space, as well as incorporates access to the new subway. A seven-storey "research tower" will be set back on the podium, containing additional academic and research space.

Financing: Design, build, finance and operate.

Status: Estimated completion date is 2009.

87

Gordon M. Shrum Generating Facility
Value: \$78 million

Location: Hudson Hope, British Columbia

Type: Energy

Key Players: BC Hydro (owner); Alstom Canada Inc.

Project Details: Replacement of stators in units 1 to 4 beginning with units 3 and 4.

Financing: Public

Status: Estimated completion date is 2010.

88

Mica Generator Improvements
Value: \$77 million

Location: Revelstoke, British Columbia

Type: Energy

Key Players: BC Hydro (owner).

Project Details: Improvements to the generators in a four-unit, 1,792-megawatt, earthfill dam facility. Stators will be installed in each of the four generating units over a four-month period each year with completion by October 2009.

Financing: Public

Status: Estimated completion date is 2009.

89

Red Deer College
Value: \$77 million

Location: Red Deer, Alberta

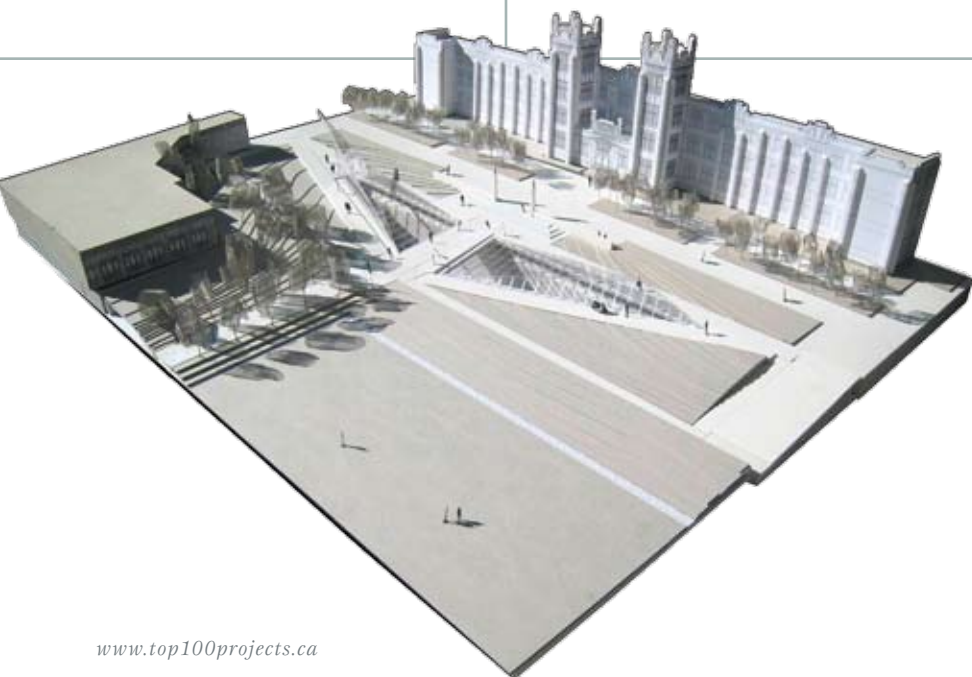
Type: Educational Institution

Key Players: Red Deer College (owner).

Project Details: Centres for trades, technology, innovation and manufacturing under way. This is the first stage of the project and is more than 50 per cent over original cost estimates. Phase 2: centres for sports and health education.

Financing: Public

Status: Estimated completion date is 2010.



90

SAIT Cohos Commons Parkade
Value: \$75 million

Location: Calgary, Alberta **Type:** Educational Institution

Key Players: Southern Alberta Institute of Technology (owner); Bing Thom Architects (primary consultant); PCL Construction Management Inc. (contractor).

Project Details: The Cohos Commons Parking Garage will be located in the heart of the Southern Alberta Institute of Technology (SAIT) Polytechnic's main campus. This three-level tiered cast-in-place parkade with green roof will be built into the existing hillside to achieve a low impact finish consistent with the surrounding green spaces.

Financing: Public **Status:** Estimated completion date is 2009.

91

**UBC-Okanagan
Engineering/
Management Building**
Value: \$74 million

Location: Kelowna, British Columbia
Type: Educational Institution

Key Players: University of British Columbia (owner).

Project Details: A 200,000-square-foot engineering building will include various laboratories, classroom and conference space.

Financing: Public

Status: Estimated completion date is 2008.



93

Quinte Health Care
Value: \$72 million

Location: Belleville, Ontario
Type: Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); Quinte Health Care (owner); M. Sullivan & Son (contractor); Stonebridge Financial Corporation (project financing).

Project Details: The project includes construction of a new wing at Belleville General Hospital, expansion of the complex continuing care and rehabilitation units, a small addition to expand the intensive care unit, redeveloping support services such as food services, new facilities for the Children's Treatment Centre and an increase in overall hospital capacity by 77 beds.

Financing: M. Sullivan & Son Limited has agreed to build the facility for \$72.2 million with construction financing arranged by Stonebridge Financial Corporation. Payment will be made upon completion of the project.

Status: Began construction in March 2007 and scheduled for completion in 2010.

92 **Life Sciences Complex,
McGill University**
Value: \$73 million

Location: Montreal, Quebec
Type: Educational Institution

Key Players: McGill University (owner); Diamond Schmitt & Provencher Roy Architects (architect); Pageau Morel & Associates (mechanical and electrical engineers); Saia Deslauriers Kadanoff (structural engineers); Decarel Consultants Inc. (project manager).

Project Details: The complex consists of two linked pavilions, the Bellini Building, which is five storeys, four of which are dedicated to research

groups under the Faculty of Science and Medicine (the fifth will house mechanical systems) and the Cancer Building, which is seven storeys, three of which will have an Animal Facility Centre to support the research on campus. The next three floors will be devoted to the Centre for Cancer Research and the final floor will also house mechanical systems.

Financing: Public

Status: Estimated completion date is 2008.

94 **Malaspina University
College Expansion**
Value: \$67 million

Location: Nanaimo, British Columbia
Type: Educational Institution

Key Players: Malaspina College (owner).

Project Details: The project includes expansion and renovation of the library; new student residences; a Faculty of Management Building; expansion of the Centre for Physical

Activity Wellness; a Science Centre and redevelopment of the western campus.

Financing: Public

Status: The library, residence and management projects are complete. Construction is under way with the science centre and western campus projects. Estimated completion date is 2008.

95

University of Victoria Science Building
Value: \$67 million

Location: Victoria, British Columbia
Type: Educational Institution

Key Players: University of Victoria (owner); Stuart Olson (contractor).

Project Details: An 11,000-square-metre facility to include two lecture theatres.

Financing: Public

Status: Estimated completion date is 2008.

96

Highway 91A/91
Value: \$66 million

Location: New Westminster, British Columbia
Type: Transportation

Key Players: British Columbia Ministry of Transportation (owner).

Project Details: Upgrades to the Highway 91A/Queensborough Bridge north interchange, a new Howe Street interchange and safety improvements to the Queensborough Bridge.

Financing: Joint federal/provincial funding.

Status: Estimated completion date is 2009.



98

Toronto Police Training Facility
Value: \$65 million

Location: Toronto, Ontario **Type:** Justice

Key Players: Toronto Police Services (owner); Shore Tilbe Irwin & Partners(architect); Eastern Construction (construction management).

Project Details: The new facility will have about 280,000 square feet of new building space and parking for 700 vehicles on 16 acres of land in Etobicoke. It will have a new college with classrooms, office and administrative support space, officer safety training, firearms and tactical training, gymnasium/fitness and parade/auditorium space, There will also be a substation for 22 Division.

Financing: Public

Status: Estimated completion date is 2009.

97

Sixteenth Avenue Trunk Sewer Tunnel
Value: \$65 million

Location: Markham, Ontario **Type:** Water/Wastewater

Key Players: Regional Municipality of York (owner); Marshall Macklin Monaghan, MacViro (engineering); Aecon Constructors and McNally International Inc. (joint-venture contractors).

Project Details: Construction of a 7.2-kilometre, 3.5-metre diameter trunk sewer line.

Financing: Public **Status:** Estimated completion date is 2008.

99

Health on 12th (Sheldon M. Chumir Centre)
Value: \$65 million

Location: Calgary, Alberta **Type:** Hospital/Healthcare

Key Players: The Calgary Health Region (owner); Gibbs Gage Partnership (architect); EllisDon (construction management).

Project Details: The eight-storey, 285,000-square-foot Community Health Services Building includes a 180,000-square-foot underground parkade for 438 vehicles. Phase I of the project involved temporarily relocating services from an existing facility which was then demolished (Phase II) to allow construction of the new facility. The new building will provide treatment for urgent/primary care, chronic disease, mental health and also provide clinical and non-clinical support. The exterior of the building is a unitized curtainwall system with high-efficiency glass.

Financing: Public **Status:** Estimated completion date is 2009.

100

Ajax and Pickering Hospital
Value: \$64 million

Location: Pickering, Ontario
Type: Hospital/Healthcare

Key Players: Infrastructure Ontario (provincial government); Rouge Valley Health System (owner); Aecon Buildings (contractor); Stonebridge Financial Corporation (financing).

Project Details: The project will add more than 75,000 square feet of new construction and 65,000 square feet of renovations.

Financing: Aecon is committed to deliver the project for \$63, 941,270. Financing, arranged by Stonebridge Financial Corporation, will be repaid at substantial completion.

Status: Estimated completion date is 2010.

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Sort By: Rank | Date Submitted | Year Rating | Estimated Project Spending
 Total Projects: 14 Showing Projects: 1 - 10. Ordered By Rank Ascending
 Pages: (Prev) 1 2 3 4 5 6 7 8 9 (Next)

Bruce A Nuclear Generating Station Restart
 Project Description: Bruce Units 1 & 2 were originally brought into service in 1977 and were taken out of service in 1984 and 2002. Bruce Power's Bruce Power Limited, which took over ownership of the plant in 2001, is refurbishing and carrying out major maintenance on Units 1 and 2 with the goal of allowing both to operate through 2014. Progress on the original scope of the project has accelerated since Bruce Power is expected to withdraw 3 billion from a new green conversion in 2004, which is... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 1 Est. Project Spending: \$5.27 Billion User Rating: 6.0/10

Eastmain-1-A and Rupert Diversion
 Project Description: The project, which involves construction of two powerhouses—Eastmain-1-A and Rupert—and diversion of part of the Rupert River to Eastmain-1. The project will have an estimated capacity of 640 megawatts, enough to service 950,000 homes. Financing: Public. Financed by Hydro-Québec... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 2 Est. Project Spending: \$5 Billion User Rating: 5.0/10

Alberta Clipper Project
 Project Description: Consists of Trans' Commission of a new 50-mile (80km) 1,850-kilowatt pipeline from Ponchaix, Alberta to Superior, Minnesota. It runs on a 400,000-acre site of about 40 miles, mostly as high as 900,000 barrels a day. The completion point of the pipeline will be about 5.1 miles into the pipeline in 2010. Estimated pipeline from Superior to Chicago will cost about \$100 million. Financing: Private... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 3 Est. Project Spending: \$3 Billion User Rating: No the first to vote!

Canada Line
 Project Description: The 18.5-kilometre, north-south rapid transit line will link downtown Vancouver, Richmond Life Centre and the Vancouver International Airport. The line has been under construction for more than a year. The first section is expected to be completed by November 2009. A section of the line will be completed first and used for testing. Financing: Government of Canada and British Columbia. The Greater Vancouver Transportation Authority (TransLink) and Vancouver International Airport Authority... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 4 Est. Project Spending: \$1.9 Billion User Rating: 4.3/10

Keppells 3 Generating Plant
 Project Description: Consists of three 450-megawatt coal-fired generating plants using supercritical boiler technology which includes higher boiler temperatures and pressures and a high-efficiency steam turbine. Carbon dioxide emissions will be 20 per cent lower for the same amount of power produced by the new generating units in the area. Construction cost: \$1.2 billion. Project scheduled to be online by late 2010. Site preparation began in February 2007 and is expected to be completed by late 2008... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 5 Est. Project Spending: \$1.9 Billion User Rating: No the first to vote!

TransMountain Pipeline Expansion
 Project Description: The new pipeline will take Kinder Morgan's existing 1,150-kilometre (600-mile) pipeline with a new 75-kilometre pipeline. The project includes building a new 200-kilometre pipeline and upgrading the existing pipeline to 24-inch diameter. The project also includes a 245-kilometre section of 20- and 24-inch gas pipeline between Vancouver and Kamloops and back to Edmonton. A third phase of the project includes a new pipeline between Kamloops and the coast between B.C. The pipeline is already under construction... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 6 Est. Project Spending: \$1.9 Billion User Rating: No the first to vote!

Point Lepreau Nuclear Generating Station Refurbishment
 Project Description: The project will involve the replacement of key reactor components, including fuel channels and connecting lower pipes. The work will be done about beginning in April 2009 and will be completed about late 2010. The work is scheduled. The plant is expected to be able to operate for another 20 to 25 years, and for another 20 to 25 years. Financing: Civil construction of the 2000兆瓦核能发电站。该电站已于2007年完工。该电站已于2007年完工。该电站已于2007年完工... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 7 Est. Project Spending: \$1.7 Billion User Rating: No the first to vote!

Golden Ears Bridge
 Project Description: A high-level viaduct will be built from the west of Vancouver. The project includes a concrete bridge and connecting access viaduct, 14.4 km, about 13 kilometers of viaduct. Financing: Design, build, finance and operate by Golden Ears Bridge Limited Partnership. The bridge is expected to be built by Billings Bridge BCT Co. Construction scheduled by Billings Bridge Limited Partnership. Design, build, finance and operate by Golden Ears Bridge Limited Partnership. The bridge is expected to be built by Billings Bridge BCT Co. Construction scheduled by Billings Bridge Limited Partnership... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 8 Est. Project Spending: \$1.1 Billion User Rating: 7.5/10

Niagara Tunnel Project
 Project Description: A 1.6-kilometre tunnel under the City of Niagara Falls, Ont. that will bring an additional 500 cubic metres of water per second to the Sir Adam Beck Generating Complex, allowing the plant to generate an additional 1.6 kilowatts hourly enough to power 100 homes. The City of Niagara Falls, Financing: Public... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 10 Est. Project Spending: \$851 Million User Rating: 1.0/10

Vancouver Convention Centre Expansion
 Project Description: A 1.1-million-square-foot addition to the existing convention centre. Planned to be the media and broadcast centre for the 2010 Olympic and Paralympic Games. Under construction scheduled for completion in late 2009. Structural steel work is well under way. Cost: \$275 million. Financing: Government of Canada, \$222 million. Province of British Columbia, \$275 million. Toronto Vancouver, \$30 million. Commercial realtors from the site: \$30 million... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 11 Est. Project Spending: \$851 Million User Rating: No the first to vote!

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The Top 100 Canada's Biggest Infrastructure Projects **ReNew**
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Inside you'll find information on Canadian infrastructure projects in every possible category from coast to coast. Each project has been listed to include location, your ranking, our ranking and the estimated project spending. The year rating we encourage you to fill in for those projects already by their time, but also by the innovative technologies used and the number of people they will serve—the same criteria we used. Final ratings will appear in our annual Top 100 supplement included in the annual February issue of ReNew Canada (free); the supplement is available in subscription only. To subscribe click [here](#).

If you are planning on a project in Canada, we encourage you to submit a project to our website. Please share your success and involvement with us!

Featured Projects:

Portlands Energy Centre
 Project Description: A 300-megawatt steam-of-the-air industrial gas-fired plant adjacent to the former B.C. Pulp Mill Generating Station on Toronto's waterfront. The construction cost will approach a \$1 per kilowatt (including utility components) the 30 per cent efficiency rating of a conventional single cycle plant. The plant is designed to meet more than a megawatt and has up to 100,000 tonnes per year. The 300 MW plant is scheduled to be in service by June 1, 2009 and has 300 megawatts by 2010... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 14 Est. Project Spending: \$730 Million User Rating: No the first to vote!

Eastmain-1-A and Rupert Diversion
 Project Description: The project, which involves construction of two powerhouses—Eastmain-1-A and Rupert—and diversion of part of the Rupert River to Eastmain-1. The project will have an estimated capacity of 640 megawatts, enough to service 950,000 homes. Financing: Public. Financed by Hydro-Québec... [View Details](#)
 Submitted On: November 26, 2007
 Rank: 2 Est. Project Spending: \$5 Billion User Rating: 5.0/10

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- Source key players in Canada