

ReNew

January/February 2011

C A N A D A

The Infrastructure Renewal Magazine

The Top 100: Energy Focus

- How Green is Run-of-River?
- How Long Can Our Nuclear Fleet Last?
- Why Traditional Transmission Won't Cut It



INFRANORMOUS

Supercolossal Investments: The Top 100 Projects for 2011

ReThink. ReBuild. ReNew.
renewcanada.net

Exclusive
Roundtable: The Next
Frontier for P3s

Bridge
Owners'
Troubled Waters

Calgary-Edmonton HSR:
Real Project
Or Pipe Dream?

\$9.00

FEATURES

- 33 The Pan Am Plan** Why Toronto's Athletes' Village won't become yet another condo wasteland post-Games.

TOP 100 PROJECTS

- 14 Infrastructure Snapshot** What this year's Top 100 list of Canada's biggest infrastructure projects says about the industry as a whole.
By Mira Shenker, with files from Monika Warzecha

SPECIAL INSERT

- Top 100 2011** Our fifth annual report on Canada's biggest infrastructure projects.

TRANSIT

- 20 Time to Take a Fast Train?**
Alberta's potential high-speed rail connection.
By Kerry Freck
- 22 Deh Cho Woes**
The longest one-kilometre bridge in Canada.
By Monika Warzecha

ENERGY

- 24 Run-of-River** Blue gold or boondoggle?
By Lia Grainger
- 26 Long-Haul, High-Voltage** How to incorporate newly generated power into an aging grid.
By Alexander Ginsberg
- 30 Half-Life** Extending the life of existing nuclear plants raises questions about safety and waste.
By Mira Shenker

DEPARTMENTS

- 4 Editor's Note** Politics trumps reason.
By Mira Shenker
- 5 Letters** *James McKellar* on what's holding back Canadian companies.
- 6 ReLocate** Jobs gained and lost in the industry.
- 8 ReThink** Industry leaders join us to discuss deal flow for P3 projects, plum opportunities, and the credit crunch.
- 32 The LEED List** Two new LEED certifications in Canada.
- 35 ReImagine** Kitchener, Ontario's tannery turned high-tech space.
- 36 ReEvents** RemTech, Canadian Brownfields 2010, CCPPP, Toronto Forum for Global Cities, and more.
- 41 Community Profile** Norfolk County, one of Canada's best places to invest.
- 42 Closing Shot** A lack of coordination.
By Todd Latham



14



30



24



8



41

ABOUT THE COVER

This year's Top 100 report (inserted in this issue) represents over \$96 billion in investments. BC Place's revitalization (the centre's new roof is seen here at night) is number 54 on the list.



Credit: BC Pavilion Corporation/Parco