



# Clean Energy BC

formerly



## GENERATE 2010 'GETTING IT DONE'

### KEYNOTE SPEAKERS

Generate 2010: 'GETTING IT DONE' is Clean Energy BC's annual fall conference. 'Getting it Done' is our theme this year: **getting it done** with construction projects up and running, **getting it done** with recent EPA's, **getting it done** with the Clean Energy Act.

### Run of River Field Trip and Short Courses

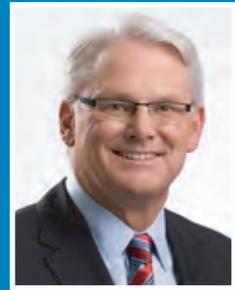
Saturday, November 6 – Sunday, November 7, 2010



### Conference

Sunday, November 7 - Tuesday, November 9, 2010

- **Welcome by Conference Chair**  
*Donald McInnes, Vice Chairman & CEO, Plutonic Power Corporation*
- **Welcome by First Nations**  
*Ian Campbell*
- **Welcome by Clean Energy BC Executive Director**  
*Paul Kariya, Executive Director, Clean Energy BC*
- **Opening Speakers**  
*The Honourable Gordon Campbell, Premier of British Columbia*  
*The Honourable Minister Bill Bennett, Minister of Energy, Mines & Petroleum Resources*



The Honourable Gordon Campbell, Premier of British Columbia



The Honourable Bill Bennett Minister of Energy, Mines and Petroleum Resources



Tom Rand Author, "Kick the Fossil Fuel Habit, 10 Clean Technologies to Save Our World"



Powerex Trading Floor Field Trip Monday Afternoon



Hyatt Regency, Vancouver



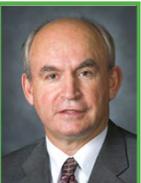
### SPECIAL SESSION

#### PricewaterhouseCoopers Report Update: Q & A Session

Speakers Include:  
John Webster, PricewaterhouseCoopers  
Paul Kariya, Executive Director, Clean Energy BC  
Harvie Campbell, Chair, Clean Energy BC  
David Cobb, President & CEO, BC Hydro (invited)



# Panel, Plenary and Speakers Program

Monday, November 8	Tuesday, November 9
<p><b>8:30 am – 9:15 am</b></p> <p><b>Welcome by Conference Chair</b>  <b>Donald McInnes</b>,  <i>Vice Chairman &amp; CEO, Plutonic Power Corp.</i></p> <p><b>Welcome by First Nations</b>  <b>Chief Ian Campbell</b></p> <p><b>Welcome by Paul Kariya</b>  <i>Executive Director, Clean Energy BC</i></p> <p><b>Opening Speakers</b>  <b>The Honourable Premier Gordon Campbell</b>  <b>The Honourable Bill Bennett</b>  <i>Minister of Energy, Mines and Petroleum Resources</i></p>  <p>Honourable Premier Gordon Campbell</p> 	<p><b>8:30 am – 9:00 am</b></p> <p><b>PricewaterhouseCoopers Report Update: Q &amp; A Session</b></p> <p><b>Speakers Include:</b>  <b>John Webster</b>, <i>PricewaterhouseCoopers</i>  <b>Dan Doyle</b>, <i>Chair, BC Hydro (Invited)</i>  <b>Paul Kariya</b>, <i>Executive Director, Clean Energy BC</i></p>
<p><b>9:15 am – 10:15 am</b></p> <p><b>Plenary 1</b>  <b>CLEAN POWER: CLEAN VISION - WHY NOW?</b></p> <p><b>Moderator:</b> <b>Donald McInnes</b>, <i>Vice Chairman &amp; CEO, Plutonic Power Corporation</i></p> <p><b>Speakers Include:</b>  <b>Tom Rand</b>, <i>Author, "Kick the Fossil Fuel Habit, 10 Clean Technologies to Save Our World"</i>  <b>Bruce Carson</b>, <i>Executive Director, Canada School of Energy &amp; Environment</i></p>  <p>Tom Rand</p>  <p>Bruce Carson</p> <p>This session will explore the evolving power industry and within in it growing prominence of clean power. It will focus on global trends, environmental impacts to energy policy and the growing, inextricable linkage between energy and environment. We have had the stone and industrial age and have now entered the ENERGY AGE. How do we protect and build for our future when populist decisions are counter to securing this economic advantage. What institutions are relevant to deliver prosperity? What changes are required to secure this future?</p>	<p><b>9:15 am – 10:15 am</b></p> <p><b>Plenary 3</b>  <b>CLEAN ENERGY: PERSPECTIVES FROM PRIVATE INTEGRATED UTILITIES</b></p> <p><b>Moderator:</b> <b>John Hunter</b>, <i>P. Eng., President &amp; CEO J. Hunter &amp; Associates Ltd.</i></p> <p><b>Speakers Include:</b>  <b>John Walker</b>, <i>President &amp; CEO, Fortis/Terasen Inc.</i>  <b>Roy Dyce</b>, <i>President &amp; CEO, Pacific Northern Gas</i>  <b>Don Wharton</b>, <i>VP, Sustainable Development, TransAlta Corporation</i>  <b>Gary Weilinger</b>, <i>VP Strategic Development &amp; External Affairs, Spectra Energy (invited)</i></p> <p>Large integrated utilities have been active in Clean Energy for decades. Over that time technologies and environmental preferences have changed, acquisition strategies have evolved, and regulatory impediments shifted. This panel looks at these changing perspectives; take the lessons from the past and see what they can tell us about the road forward.</p>
<p><b>10:15am – 10:45 am</b></p> <p>Networking Coffee Break</p>	<p><b>10:15 am – 10:45 am</b></p> <p>Networking Coffee Break</p>

10:45 am – 12:00 pm

**Panel 1**

**Showcase #1: Clean Energy Projects**

**Moderator:** James Griffiths, *Manager, Wind Development, Sea Breeze Power Corp.*

**Chief Gordon Planes,** *T'Sou-ke Nation*

**Jeff Paquin,** *Business Development, Western Biomass Power Corp.*

**Paul Rapp,** *Project Director, Dokie Wind Project*

What makes Clean Energy Projects successful? Our developers Project Showcase provides a set of presentations about current Clean Energy projects under development, recently commissioned or being bid into a BC Hydro procurement call. The T'Sou-ke First Nation will enlighten us on their community solar success – yes solar on southern Vancouver Island where they have more sunshine than Germany – a country with a burgeoning solar industry! Western Biomass Power Corp and their partners the Tsilhqot'in National Government currently are bidding into Phase II of the biomass call – come hear about their efforts to advance the BC Bioenergy Strategy and the spirit of the new Clean Energy Act as well as dealing with new tenure legislation and securing long term fibre supply. BC's second wind farm, the 144 MW Dokie Wind project is nearing completion and will soon be interconnecting to the provincial grid – come hear an up-to-the minute update on the project status. Our panellists will focus on the 'keys to success' for their projects.

**Panel 2:**

**Financing to Get it Done**

**Moderator:** Nicholas Hann, *Executive Director, Macquarie Capital*

**Speakers Include:**

**Sarah Clark,** *CEO, Partnerships British Columbia*

**Matthew Akman,** *Division Director, Securities Group, Macquarie Capital Markets Canada Ltd.*

**Jamey Burr,** *Director of Business Development, PPP Canada Inc.*

Leading specialists from the public and private sectors in procurement, financing and clean power development will discuss current trends towards increasing financing certainty for BC to capitalize on its energy resource potential. Discussion topics will include increased availability of Federal and Provincial financing support, increased opportunities for First Nations investment participation and greater use of public private partnership models which may change the landscape for developers. The panel will discuss trends in equity and debt availability for projects and the likelihood of further consolidation occurring within the developer community.

10:50 am – 12:00 pm

**Panel 5**

**Showcase #2: Problems and Solutions for Clean Energy Projects**

**Moderator:** Ron Monk, *Sector Leader Energy, Industrial & Mining, Kerr Wood Leidal Associates Ltd.*

What are some of the technical problems on Clean Energy Projects, and how were they solved? Showcase 2 provides a set of presentations that focus on specific technical problems and solutions on Clean Energy Projects, or similar types of projects. Discussions will focus on innovative and proven techniques for solving safety, engineering and environmental problems that are common on Clean Energy Projects.

**Panel 6:**

**Environmental Impact Assessment: Getting It Done Ethically**

**Moderator:** Susan Wilkins, *VP Operations, Pottinger Gaherty Environmental Consultants*

**Speakers Include:**

**Matthias Jacob,** *Geoscientist, BGC Engineering*

**Stewart Guy,** *Manager of Environmental & Economic Initiatives, Ministry of the Environment*

**Diana Valiela,** *Lawyer*

**Jonathan Lok,** *General Manager, Strategic Group*

**Pam Ryan,** *President, Lucent Strategies*

**Adam Lewis,** *President, ECOFISH Research*

**Pamela Zevit,** *President, Association of Professional Biologists*

Panel discussion exploring the roles that ethics play in guiding professional conduct within the Environmental Impact Assessment process, where expectations of general compliance and due diligence are represented by people responsible to their profession, employers, legal obligations, investors, and to society as a whole.

<p><b>12:00 pm – 1:30 pm</b></p> <p><b>Luncheon Keynote Speaker</b>  <b>Nick Parker</b>, <i>Executive Chairman, Cleantech Group LLC</i></p>  <p>Nick Parker</p> <p>Or  Exhibitor Hall Lunch</p>	<p><b>12:00 pm – 1:30 pm</b></p> <p>Keynote Speaker Luncheon  Or  Exhibitor Hall Lunch</p>
<p><b>1:30 pm – 2:45 pm</b></p> <p><b>Plenary 2</b>  <b>THE BIG SWITCH: WHAT DOES IT TAKE TO SWITCH TO CLEAN POWER</b></p> <p><b>Moderator:</b> James Tansey, <i>President, Offsetters</i></p> <p><b>Speakers Include:</b></p> <p><b>Robert Gifford</b>, <i>Professor, Department of Psychology, University of Victoria</i>  <b>Dennis DesRosiers</b>, <i>Founder, DesRosiers Automotive Consultants Inc.</i>  <b>Darrell Desjardin</b>, <i>Director Environmental Programs, Port Metro Vancouver</i>  <b>David Harris</b>, <i>General Manager, Forrest Kerr, AltaGas</i></p> <p>Jurisdictions all over the world are focusing on making the switch from fossil fuels to renewables. Our BIG SWITCH Plenary Panel delivers our environmental psychologists' presentation identifying critical factors affecting our switching to clean energy.</p> <p>Our BIG SWITCH Plenary Panel also brings you up to date with some examples of current clean energy BIG SWITCHES being made as well as some coming our way. AltaGas, operators of Bear Mountain, BC's first wind farm have a strategy to shift their power generation almost entirely to renewables and eliminate coal fired generation capacity from their portfolio, a remarkable story.</p> <p>And, did you know the Port of Vancouver plans to be electricity neutral by 2020? Come hear how this could be accomplished. When will we see electric vehicle sales eclipse today's gas models? Come hear Canada's preeminent automobile commentator Dennis DesRosier's vision.</p>	<p><b>1:30 pm – 2:45 pm</b></p> <p><b>Plenary 4</b>  <b>EXPORT MARKETS: PROSPECTS &amp; REALITY</b></p> <p><b>Moderator:</b> Brian Moghadam, <i>BC Export Business Development Manager, Powerex</i></p> <p><b>Speakers Include:</b></p> <p><b>David Mills</b>, <i>Director, Energy Supply &amp; Planning, Puget Sound Energy</i>  <b>Martin Merritt</b>, <i>former Alberta Market Surveillance Administrator, VP Engage Energy</i>  <b>Paul Manson</b>, <i>CEO, Sea Breeze Power Corp.</i></p> <p>BC has rich renewable electricity resources in wind, ocean, hydro, biomass, landfill gas, geothermal and more. The new BC Clean Energy Act has set forth proactive government policy to grow British Columbia into a clean energy powerhouse.</p> <p>This panel will match buyers and sellers of renewable energy and look what it would take to bridge the gap for BC sellers of clean energy to enter into long term contracts with US buyers.</p>
<p><b>2:45 pm – 3:00 pm</b></p> <p>Networking Coffee Break</p>	<p><b>2:45 pm – 3:00 pm</b></p> <p>Networking Coffee Break</p>

3:00 pm – 4:15 pm

### Panel 3

#### Emerging Energy Technologies: Powering Tomorrow

**Moderator:** Kip Morison, Chief Technology Officer, BC Hydro  
**Speakers Include:**

**Clayton Bear**, President/CEO, New Energy Corporation  
**John Lacy**, Account Executive – Power Industry, OSISoft  
Western Canada  
**Michael Goldstein**, Chief Commercial Officer, Ballard  
Power Systems

The session will kick-off with an overview of the Feed In Tariff Program for emerging technology and summary of the recent consultation process. This will follow with brief presentations from a panel of experts working in emerging technology and then an interactive panel discussion on how these technology applications are expected to play an increasing role in BC's future energy mix. Panelists will provide technology and demonstration project updates on the following emerging technologies: Fuel Cells, Tidal, Geothermal, Smart meters, and more broadly the process of new technology development, commercialization and system integration.

### Panel 4: Can It Be Built?

**Moderator:** Sam Mottram, Manager Hydro Power Services, Knight Piesold Consulting

#### Speakers Include:

**Ross Beaty**, CEO and Chairman of Magma Energy Corp  
**Les Gelber**, Partner, Caithness Development (invited)  
**Sam Mottram**, Manager Hydro Power Services, Knight Piesold Consulting  
**Mark Tonner**, Managing Director, GE Energy Financial Services

This session will highlight some of the largest clean energy projects in the world that are getting built. The projects highlighted by the presenters will include 1,334 MW Pumped Storage Project in South Africa, Large Wind Farm Development in the USA, Proposed 1,000 MW Saltwater Pumped Storage Development combined with 1,800 MW of Wind in Ireland. The topics discussed will include development hurdles and how they were overcome, environmental constraints and issues, financing, innovative project designs and integration to the grid.

3:00 pm – 4:15 pm

### Panel 7

#### Construction & Contracting

**Moderator:** Paul Wearmouth, Hydro Area Sponsor, Western Canada District, Kiewit Infrastructure Group

#### Speakers Include:

**Brent Bergland**, Construction Executive, Renewable Energy Groups, Mortenson Canada Corporation  
**Glenn McDonnell**, Sigma Engineering/Synex Energy  
**Iain Cuthbert**, Barkley Project Group  
**Chris Dandurand**, Project Manager, Plutonic Hydro and Transmission Line, Peter Kiewit Sons Co. Ltd.

The construction of independent power projects has become more complex and costly over the years due to a number of factors including the process of obtaining the myriad of approvals before construction can take place. This panel will investigate how the process of obtaining approvals and working with regulators and government agencies could be improved by streamlining processes, by earlier contractor engagement and by how developers permit their projects. The panel consists of a wide spectrum of contractors and construction managers who engage in large and small hydro power projects, transmission line projects and wind power projects. They will provide their lessons learned on how better value can be introduced into the process of project construction approvals.

### Panel 8: Cumulative Effects – Different Perspectives

**Moderator:** George Hoberg, Professor, University of British Columbia

#### Speakers Include:

**George Hegmann**, Principal, Environmental Management, Stantec  
**Kathy Eichenberger**, Project Assessment Director, Environmental Assessment Office  
**Jon O'Riordin**, Strategic Water Policy Advisor at POLIS, former Deputy Minister of the Ministry of Sustainable Resource Management  
**Josh Paterson**, Staff Lawyer, West Coast Environmental Law  
**Merran Smith**, Director, Tides Canada Energy Initiative

Panel discussion focused on how to effectively utilize cumulative effects assessment in an environmental impact assessment. Also cover the difference between the Provincial and Federal assessments; what are thresholds and do they exist; expectations on what a cumulative effects assessment is from regulatory, the public, the proponent; what do you measure and what does it actually mean; the difference between regional planning and cumulative effects assessment.

<b>4:00 – 5:30 pm</b>	<b>4:00 – 5:30 pm</b>
Tradeshow Floor Reception	Tradeshow Floor Reception
<b>5:30 – 6:30 pm</b>	
Awards Dinner Reception, Georgia Ballroom	
<b>6:30 – 9:30 pm</b>	
Awards Dinner, Plaza Ballroom	