

Canada-U.K. Colloquium 2016

THE TRANSITION TO A LOW-CARBON ECONOMY



24 Nov - 26 Nov
Fairmont Hotel Macdonald, Edmonton



November 2016

Dear 2016 CUKC Delegates,

I am delighted to welcome you to the 2016 Canada- U.K. Colloquium on a “Transition to a Low-Carbon Economy.” The challenges on this journey are immense in both of our countries. We have much to learn from each other and much to share in terms of contrasting geographic, climactic, political, governance and technological dynamics.



We are extremely grateful that a healthy mix of government, private sector, non-profit organizations and academic institutions in Canada and the U.K. have stepped forward to contribute to this timely dialogue in Edmonton, Alberta.

As always, convening for candid and practical discussion of such strong, interdisciplinary and inter-generational delegations from both countries speaks most highly of the founding purposes of the Canada-U.K. Colloquium. Common pursuit of any challenge, however complex, by Canadians and Britons strengthens our collective capacity for progress.

My colleagues, Prof. Mel Cappe of the School of Public Policy and Governance at the University of Toronto, Dr. Randall Hansen of the Centre for European and Eurasian Studies at the Munk School of Global Affairs, and Tina Park, 2016 CUKC Coordinator, join me in extending our warmest welcome to all of you.

Sincerely,

The Hon. Hugh D. Segal, CM
Master, Massey College, University of Toronto
Co-chair, 2016 Canada-UK Colloquium



PRIME MINISTER · PREMIER MINISTRE

Canada and the United Kingdom (UK) are likeminded allies that enjoy a longstanding robust bilateral relationship built upon strong historic and people-to-people ties. Prime Minister May and I are fully committed to further expanding and deepening this relationship.

The annual Canada-UK Colloquium is one mechanism by which we foster this relationship. This year's event in Edmonton will focus on "The Transition to a Low-Carbon Economy." Delegates will consider ways in which Canada and the UK can cooperate and learn from each other on achieving our targets for greenhouse gas emissions.

Canada is showing leadership in the fight against climate change, along with key partners such as the UK. A clean environment and sustainable economy go hand in hand, and we have an opportunity to innovate and share solutions with the world. Canada has made the transition to a low-carbon economy a priority. Canada is working with provincial and territorial governments to develop a Pan-Canadian Framework for Clean Growth and Climate Change that will help achieve our emission reduction targets and set the country on a path towards low-carbon economic growth. Canada is also working with partners through the Carbon Pricing Leadership Coalition.

We look forward to further international cooperation in this sector and hope your discussions will help to identify potential further symmetries between the UK and Canada.

It is with great pleasure that I welcome all participants of the 2016 Canada-UK Colloquium, and wish you a successful event. I would also like to take this opportunity to welcome you to Edmonton, which in addition to being a gateway to the North, is a leading centre for research and innovation leading towards a low-carbon economy.

Sincerely,



10 DOWNING STREET
LONDON SW1A 2AA

THE PRIME MINISTER

Britain and Canada are natural partners, and Prime Minister Trudeau and I are fully committed to making the most of the strong relationship between our two countries. The Canada-UK Council, with its annual policy conferences, is an important vehicle for this. These meetings not only help to build networks of expertise, but also develop practical policy proposals in specific areas.

This year's meeting, taking place in Edmonton, Alberta, is devoted to 'The Transition to a Low-Carbon Economy'. The UN Paris Agreement on climate change last year was a global breakthrough, but it only set the framework for international action. The focus now shifts to delivery of the "nationally determined contributions" to which each country is committing.

Big questions remain: how, in practice, can Canada and the UK fulfil these commitments in a way that contributes to economic development? What joint initiatives might we take to achieve this? And what successful action in one country might usefully be replicated in the other?

The challenges are formidable but both the UK and Canada are already deeply engaged with this agenda. I have no doubt that we can learn a great deal from one another through the forum of this year's conference.

I wish the 2016 Canada-UK Colloquium every success in exploring even closer cooperation between our two countries as we address these vital, and urgent, questions.

November 2016



CANADA-UK COLLOQUIUM 2016

“The Transition to a Low-Carbon Economy: Alberta’s Innovation through Implementation”
Government of Alberta Briefing Session

Government House
12845 - 102 Avenue NW
Edmonton, Alberta T5N 0M6

<u>THURSDAY, NOVEMBER 24, 2016</u>		<u>ROOM</u>
<p>Master of Ceremonies: <i>Matthew Machielse, Assistant Deputy Minister, Trade and Investment Attraction, Economic Development and Trade</i></p> <p>Moderator: <i>Phil Burke, Senior Director, Intergovernmental Relations, Europe, Economic Development and Trade</i></p>		
8:15 a.m.	Arrival and Registration	
8:15 a.m. to 8:30 a.m.	Continental Breakfast	Primrose Room, 3 rd Floor
8:30 a.m. to 8:45 a.m.	Welcoming Remarks <i>By The Honourable Shannon Phillips, Minister of Environment and Parks and Minister Responsible for the Climate Change Office</i>	Alberta Room, 3 rd Floor
8:45 a.m. to 9:45 a.m.	Alberta’s Climate Leadership Plan (CLP) <i>By Karen Young, Executive Director, Engagement and Intergovernmental Relations, ACCO</i>	Alberta Room, 3 rd Floor
	How Alberta is Demonstrating Climate Leadership <i>By Simon Dyer, Alberta Associate Regional Director, Pembina Institute</i>	
9:45 a.m. to 10:45 a.m.	Economic Opportunities for Indigenous People in a just transition to a low-carbon economy: A Community Perspective <i>By Councillor Brad Rabbit, Montana First Nation and Ms. Vickie Wetchie, General Manager of Green Arrow Renewable Energy Corporation</i>	Alberta Room, 3 rd Floor
	Transitioning the Labour Force to a Low Carbon Economy <i>By Jim Sandercock, NAIT, Alternative Energy Futures</i>	
10:45 a.m. to 11:10 a.m.	Carbon Pricing Across Canada <i>By Chris Ragan, Chair, Canada’s EcoFiscal Commission</i>	Alberta Room, 3 rd Floor

11:10 a.m. to 12:10 p.m.	<p>Alberta's Electricity Overview <i>By Christine Lazaruk, Executive Director, Strategy and Integration Branch, Alberta Energy</i></p> <p>Alberta's Electricity Sector: Supply/Demand Outlook and Renewable Electricity Program <i>By Nicole LeBlanc, Director of Analytics and Forecasting, Alberta Electricity System Operator</i></p>	Alberta Room, 3 rd Floor
12:10 p.m. to 12:15 p.m.	Room Transition	
12:15 p.m. to 1:30 p.m.	<p>Luncheon <i>Keynote Address by The Honourable Rachel Notley, Premier of Alberta.</i></p> <p><i>(Introduced by Mr. Eric Denhoff, Deputy Minister, Alberta Climate Change Office)</i></p>	Dining Room, Main Floor
1:30 p.m. to 1:45 p.m.	Networking Break / Room Transition	
1:45 p.m. to 2:15 p.m.	<p>Alberta's Methane Emissions Reduction <i>By Mark Taylor, Vice President, Climate Policy Assurance, Alberta Energy Regulator</i></p>	Alberta Room, 3 rd Floor
2:15 p.m. to 2:45 p.m.	<p>Investing in Technologies for a Low Carbon Future <i>By Steve Macdonald, Chief Executive Officer, Emissions Reduction Alberta (ERA)</i></p>	Alberta Room, 3 rd Floor
2:45 p.m. to 3:00 p.m.	Health Break	Primrose Room, 3 rd Floor
3:00 p.m. to 3:30 p.m.	<p>The Politics of Climate Action: A Federal/Provincial Perspective <i>By Shawn McCarthy, National Correspondent, Globe and Mail</i></p> <p>Balancing a Clean Energy Economy with Responsible Oilsands Development <i>By Jon Mitchell, Vice President, Environment and Sustainability, Cenovus Energy Inc.</i></p>	Alberta Room, 3 rd Floor
3:30 p.m. to 4:00 p.m.	<p>Closing Remarks <i>Philip Peacock, Chair, Canada-United Kingdom Council</i> <i>Mel Cappe, Professor, University of Toronto</i> <i>Matthew Machielse, Assistant Deputy Minister, Trade and Investment Attraction</i></p>	Alberta Room, 3 rd Floor
4:00 p.m.	Adjournment	



THE 2016 CUKC: “THE TRANSITION TO A LOW- CARBON ECONOMY”

Thursday, 24 November – Saturday, 26 November 2016

Fairmont Macdonald Hotel, Edmonton, Alberta

Chair: The Honourable Jean Charest

In December 2015 the Paris Agreement was adopted by 196 governments at the 21st Conference of the Parties. It limits average global warming to 2°C above pre-industrial global temperatures—and seeks, as an aspirational target, to limiting warming to 1.5°C. The focus now shifts to the efforts of individual countries to make “nationally determined contributions” to the global effort.

The 2016 Canada-UK Colloquium will focus on ways in which Canada and the United Kingdom could cooperate and learn from each other on achieving their “nationally determined contributions.” How does each national economy propose to manage the transition to a low-carbon economy in accordance with the ambitious timetables to which they are committed?

OBJECTIVES

The objectives of the Canada-UK Colloquia have evolved over the years to focus closely on the current policy priorities of our two countries.

Our key objectives include:

- Building up contacts between leading experts in the two countries;
- Contributing to the development of public policy in both countries;
- Identifying ways in which Britain and Canada can work together in an international context to meet their objectives in specific policy areas;
- Finding ways of achieving positive outcomes from the events and encouraging follow-up; and
- Encouraging active participation of promising young people to ensure that the benefits of the exchanges are carried forward into the future.



AGENDA*

Thursday, 24 November 2016

- 7:45am: *Shuttle Bus leaves from the Entrance of the Fairmont Macdonald Hotel*
- 8am – 5pm: **Briefing day at the Government House, Edmonton**
- 5:15pm: *Shuttle Bus leaves from the Entrance of the Government House*
- 6-7pm: **Welcome Reception @Fairmont Macdonald Hotel**
- 7-9pm: **Networking Dinner** (Empire Ballroom)

Friday, 25 November 2016 (Venue: Fairmont Macdonald Hotel)

- 7:00am-8:00am: Breakfast
- 8:00am-8:15 am: **Opening Remarks by the Hon. Hugh Segal & Mr. Philip Peacock**
- 8:15am-8:30am: **Welcome Remarks from the Hon. Jean Charest (Chair)**
- 8:30am-10:00am [Session 1] **Targets and Goals**
- 10:00-10:30am: Coffee/Tea Break
- 10:30am-12:00pm [Session 2] **Carbon pricing and Eco-fiscal policy**
- 12:00pm-1:00pm: Networking Luncheon
- 1:00-2:30pm [Session 3] **Fossil fuels in a low-carbon economy**
- 2:30-3:00pm: Coffee & Tea Break
- 3:00-4:30pm [Session 4] **Break-out groups**
 - 1) *Mobility Energy* (Boardroom)
 - 2) *Financing Policy Initiatives* (Edmonton Room)
 - 3) *Demand Side Policy* (Parlour Room)
 - 4) *Measurement, Management and Transparency* (Drawing Room)
- 6-7pm: **Networking Reception**
- 7-9pm: **Alberta Heritage Dinner & Post-Dinner Informal Panel Discussion by Anthony Cary & Mel Cappe**

Sat, 26 November 2016 (Venue: Fairmont Macdonald Hotel)

- 7:00am-8:00am: Breakfast
- 8:00- 9:30am [Session 5] **Reports from break-out groups (by co-chairs)**
- 9:30- 10:00am: Coffee & Tea break
- 10:00 - 11:30am [Session 6] **Building Public and Political Consensus**
- 11:30 am- 12:30pm: Networking Luncheon
- 12:30pm- 1:45pm: **Summary from the Rapporteur & Interactive Discussion**
- 1:45- 2:00pm: **Closing Remarks from the Hon. Jean Charest (Chair)**

*NB: The Chatham House Rule will be in effect for the full duration of the CUKC.



Overview of sessions

[Session 1] Targets and Goals

- **Canadian speaker: Arlene Strom**
- **British speaker: Tom Burke**

The UK has undertaken that its GHG emissions will be 50% below 1990 levels by 2025. Canada is committed to 30% below 2005 levels by 2030. How should these targets condition policy so that they are more than aspirational? What shorter term targets and goals will be needed to realise the ambitious commitments that have been entered into? It will be a formidable challenge to align policy between the many sectors implicated (as well as between domestic and international actors). How is that task best approached? Might the UK approach of 5-yearly ‘carbon budgets’ be worth considering in Canada? The ‘nationally determined contributions’ agreed so far are insufficient to deliver on agreed warming targets. What are the implications for policy? The intention of this session is to set up the parameters of the conversation for the Colloquium.

“Collaborating with purpose: a close up view of Alberta’s climate policy leadership journey” by Arlene Strom

Arlene Strom, Vice President, Sustainability and Communications at Suncor Energy brings a unique perspective to the 2016 Canada-U.K. Colloquium. An observer at COP21 discussions in Paris and an active voice in the discussions leading up to the launch of Alberta’s Climate Change Leadership Plan, she is now a member of the Oil Sands Advisory Group, a cross-sector advisory group helping to guide environmentally and economically effective development of the province’s oil sands resource. She is pleased to participate in dialogue on “The Transition to a Low-Carbon Economy,” sharing her views on the importance of collaboration in tackling climate change and how Alberta’s experience can serve as a model for future discussions on energy, environment, economy and social well-being.

“Coalition of the Willing and the Capable” by Tom Burke

The fourth industrial revolution – together with ever stronger private sector mobilisation – is creating unprecedented opportunities for the international community to meet ambitious climate change and energy-related goals and targets. These entail much faster pace of technology uptakes, radical efficiency improvements, as well as new avenues for consumer action and other demand side measures. Governments and businesses could take advantage of the opportunities presented by an integrated energy and mobility system through creating and scaling ‘coalitions of the willing and the capable’.



Overview of sessions

[Session 2] Carbon Pricing and Eco-Fiscal Policy

- **Canadian speaker: Dr. Chris Ragan**
- **British speaker: David Nelson**

What fiscal instruments are the two countries using to price carbon into the economy and are these likely to be effective in achieving the targets? If not, what more may be needed with regard both to taxation and emissions trading? How should sub-national differences be taken account of in the development of a coherent national approach? What did the Working Group on carbon pricing mechanisms established at the First Ministers' meeting in Vancouver in March recommend and how should that work be carried forward?

“The Evolving Carbon-Pricing Landscape Across Canada” by Dr. Chris Ragan

Carbon pricing has evolved dramatically in Canada over the past decade. In 2006, no Canadian jurisdiction had a broad-based carbon price. Today, four Canadian provinces have (or will soon have) an economy-wide carbon price, a fifth has committed to doing so and is now in the process of design, and the federal government has announced its intention to fill in the remaining policy gaps. What was once a political “third rail” is now emerging as a policy standard.

“The Role of Carbon Pricing in and Energy Transition” by David Nelson

A 2017 report from the Energy Transitions Commission will identify four strategies needed to transform the energy system and keep global warming well below 2C: 1) Doubling annual energy productivity improvement over historical levels; 2) Decarbonizing power and extending electrification; 3) Decarbonizing sectors which are difficult to electrify; 4) Optimizing fossil fuel use within a carbon budget. This presentation will explore the important, but usually insufficient, role of carbon pricing in each of these transitions, how carbon pricing effectiveness will vary between sectors, and the impact that energy transitions and carbon pricing could have on fiscal policy and national economies.



Overview of sessions

[Session 3] Fossil Fuels in a Low Carbon Economy

- **Canadian speaker: David Paterson**
- **British speaker: Jeremy Nicholson**

What will be the place of fossil fuels both during the transition, and in the new equilibrium of a low carbon economy? How will the economies of fossil fuel producing regions (Alberta, Saskatchewan, Newfoundland, Nova Scotia and North Sea/UK Continental Shelf) have to adapt? How are fossil fuels currently subsidised, and how can these subsidies best be phased out? Governments need to work with big business during the transition, drawing on the experience, research and capital available in the private sector. How will it be possible to avoid a confrontational dynamic (of the kind promoted by some NGOs?)

“The Future of Mobility” by David Paterson

Light duty vehicles are responsible for 12% of Canada's annual GHG total. New affordable, long range electric vehicles are just one part of a much broader transformation in personal mobility that will reduce carbon emissions. The future of the automobile will be increasingly electric, connected, autonomous and shared. The pace of carbon reduction from light duty vehicles on our roads today will depend on how jurisdictions approach consumer behaviour, new technologies and smarter infrastructure. It will also depend on their willingness to accelerate the retirement of older vehicles. Winning jurisdictions will be those willing to examine new approaches and drive economic growth through innovation.

“Fossil Fuels in a Low-Carbon Economy” by Jeremy Nicholson

Fossil fuels provide three quarters of the world's energy and will retain a dominant role for decades as economies decarbonise. Hydrocarbons remain an essential feedstock for the chemical industry, and vital for certain industrial processes where electrical heating is impractical. Some fossil fuel use may also need to be retained in power generation to balance intermittent renewables and inflexible nuclear, though storage and demand response may reduce this need. A successful decarbonisation strategy should focus on encouraging gas substitution for coal and liquid fuels, and support development of carbon capture for industrial processes where fossil fuel use cannot be avoided.



Overview of sessions

[Session 6] Building Public and Political Consensus

- **Canadian speaker: Velma McColl**
- **British speaker: Emma Howard Boyd**

What more could be done to build public consensus for the transformation that is required? Do people accept a responsibility to act despite ‘the tragedy of the commons’? Because the time-lags are so long between what we are doing today and its consequences for the planet, it is necessary to act on the basis of risk rather than scientific certainty. Is this widely understood? What is the role of NGOs in promoting consensus? How should sub-national entities (cities, provinces, etc.) contribute to the necessary consensus? What is the responsibility of individuals?

How is it possible to sustain long-term political commitment when (as is inevitable) the going gets tough, and carbon/climate policy is blamed for rising prices and/or job losses and other economic pain? Has the UK Climate Change Act succeeded in taking the issues out of partisan politics? Has too much weight been placed on GHG reductions to limit global warming and climate change, when there are equally important links to species extinction and other consequences of current policies?

The purpose of the Colloquium is to present the two governments with policy initiatives both to help them make the contributions to which they are committed under the Paris Agreement, and to assist broader global efforts to achieve the 1.5°C limit.

“Building Public and Political consensus” by Velma McColl

In order to advance the Paris Agreement over the next ten to twenty years, the public and political dynamics in North America will shape how far individual governments and the region will move in implementing policies, regulations and carbon pricing. Following COP22 in Marrakech and the US election, the discussion will look at the implications and opportunities for Canada in the transition to a low-carbon world.

“Building Public and Political consensus” by Emma Howard-Boyd

The United Kingdom has demonstrated global leadership on climate change, notably with the Climate Change Act (2008), which has provided a legal framework for action. This includes long-term carbon reduction targets, five year carbon budgets, development of a national adaptation plan and an independent Committee on Climate Change to both advise and scrutinise government action. By drawing on the UK and the Environment Agency’s experience - as the environmental regulator for greenhouse gas emissions, flooding and drought - the talk will outline both successes and ongoing challenges, especially in the current context of a dynamic national and international political climate.



2016 Canada-UK Colloquium: Participants

The Canadian Delegation

- **Mr. James Auld**, Senior Manager, Corporate Development, Canadian National Railway
- **Ms. Elizabeth Beale**, Commissioner, Canada's Ecofiscal Commission
- **Mr. Grant Bishop**, Associate Consultant, McKinsey & Company
- **Ms. Jennifer Bonder**, Ph.D. Candidate, History Department, University of Toronto
- **Dr. Paul Boothe**, Managing Director, Trillium Network for Advanced Manufacturing
- **Mr. Phil Burke**, Senior Director, Intergovernmental Relations, Europe, Middle East, India and Africa, Alberta Economic Development and Trade, Government of Alberta
- **Prof. Mel Cappe**, School of Public Policy and Governance, University of Toronto & 2016 CUKC Co-Chair
- **The Hon. Jean Charest**, Former Premier of Quebec & Deputy Prime Minister; 2016 CUKC Presiding Chair
- **Ms. Karen Clarke-Whistler**, Chief Environment Officer, TD Canada Trust
- **Dr. Steve Dew**, Provost & Vice-President (Academic), University of Alberta
- **Ms. Linda Duncan**, Member of Parliament (NDP), Edmonton-Strathcona, Government of Canada
- **The Hon. John Godfrey**, Special Advisor for Climate Change, Government of Ontario
- **Dr. Larry Kostiuk**, Associate Vice-President (Research), University of Alberta
- **Mr. Brian Livingston**, Executive Fellow, School of Public Policy, University of Calgary
- **Mr. Shawn McCarthy**, National correspondent, *The Globe & Mail*
- **Ms. Velma McColl**, Managing Principal – Ottawa, Earnscliffe Strategy Group
- **Mr. Dan McDougall**, Assistant Deputy Minister for Environment and Climate Change Canada
- **Mr. Jon Mitchell**, VP of Environment & Sustainability, Cenovus
- **Prof. Kim Nossal**, Professor, Centre for International and Defence Policy, Queen's University
- **Ms. Tina Park**, Executive Director, Canadian Centre for the Responsibility to Protect & CUKC Project Manager
- **Mr. David Paterson**, Vice President, Corporate & Environmental Affairs, General Motors
- **Ms. Bianca Ponziani**, Junior Fellow, Massey College
- **Prof. Nicholas Rivers**, Institute of the Environment, University of Ottawa
- **Prof. Stephen Scharper**, School of Environment, University of Toronto
- **Mr. Patrick Steadman**, Junior Fellow, Massey College
- **Dr. Chris Ragan**, Chair, Canada's Ecofiscal Commission
- **Ms. Kim Scott**, Director of Research & Policy Coordination, Assembly of First Nations
- **The Hon. Hugh Segal**, Master of Massey College & 2016 CUKC Co-Chair
- **Ms. Arlene Strom**, VP Sustainability & Communications, Suncor Energy Inc.
- **Mr. Scott Vaughan**, President and CEO, International Institute for Sustainable Development
- **Ms. Karen Young**, Executive Director, Engagement & Intergovernmental Relations, Alberta Climate Change



2016 Canada-UK Colloquium: Participants

The UK Delegation

- **Dr. Chris Anastasi**, Special Adviser, Engie
- **Mr. Tom Burke**, Chair e3g
- **Mr. Anthony Cary**, Hon. President, CUKC
- **Ms. Anjou Dargar**, Head of Public Policy & Emerging Markets, Thomson Reuters
- **Mr. James Donald**, Graduate Research Assistant, University of Victoria
- **Mr. Jonathan Flint**, Former CEO, Oxford Instruments
- **Mr. Lucien Georgeson**, Post-graduate student, UCL
- **Mr. Robert Gould**, Head of Programme Management Office, International Climate and Energy Directorate
- **Mr. Tom Heap**, Journalist, BBC News
- **Ms. Emma Howard-Boyd**, Chair, UK Environmental Agency & Vice-Chair, Future Cities Catapult
- **Ms. Zoe Knight**, Head of Climate Change Centre of Excellence, HSBC Investment Bank
- **Mr. Nicolas Maclean**, CUKC Member
- **Dr. Alastair Martin**, Founder & Chief Strategy Officer, Flexitricity Ltd.
- **Sir Mark Moody-Stuart**, Chair of Hermes Equity Ownership Services & former Chair of Shell
- **Mr. David Nelson**, Executive Director, Energy Finance, Climate Policy Initiative
- **Mr. Jeremy Nicholson**, Director, Energy Intensive Users' Group
- **Prof. Matthew Paterson**, School of Social Sciences, University of Manchester
- **Mr. Philip Peacock**, Chair, CUKC
- **Mr. Adrian Rimmer**, CEO European Environmental Markets
- **Ms. Caroline Saunders**, British Consul-General, Calgary
- **Dame Fiona Woolf**, DBE DL Partner CMS Cameron McKenna & former Lord Mayor of the City of London



2016 CUKC Participant Bios: Canadian Delegation

Arlene Strom is the Vice President Sustainability & Communications at Suncor Energy Inc., a position she has held since March, 2013. She is responsible for Stakeholder and Aboriginal relations, reputation and brand, communications and issues management. She is also responsible for Suncor's sustainability and outreach strategy, climate change strategy, environmental excellence support and for the management of the Suncor Energy Foundation.

Bianca Ponziani is a JD/MBA Candidate at the University of Toronto and a Resident Junior Fellow at Massey College. She earned a Joint Honours Environment and Political Science degree from McGill University and later worked in Europe, including at Bayer HealthCare, the World Health Organization and the High Commission of Canada to the United Kingdom. Bianca will join the New York office of Paul Hastings LLP for the summer of 2017.

Brian Livingston is currently an Executive Fellow with the School of Public Policy at the University of Calgary. He has done work in the area of carbon pricing and the supply of electricity in Alberta. Prior to this, Mr. Livingston served as vice-president, general counsel and corporate secretary of Imperial Oil Limited before retiring in December of 2013. As general counsel, Mr. Livingston had a wide variety of legal and business experience in climate change, tax, commercial, litigation, regulatory and First Nations matters.

David Paterson leads Communications, Government and Environmental Relations at General Motors Canada and he works as part of GM's global Public Policy and Communications teams. David is also the Immediate Past Chair of the Board of Directors of the Canadian Chamber of Commerce.

Dr. Chris Ragan is an Economics professor at McGill University since 1989. Dr. Ragan was the Special Advisor to the Governor of the Bank of Canada, 2004-05 and Clifford Clark Visiting Economist at Finance Canada, 2009-10. He was the President of the Ottawa Economics Association, 2010-2012 and Research fellow at the C.D. Howe Institute. He currently serves as the Chair of Canada's Ecofiscal Commission.

Dr. Kim Nossal is a Professor in the Department of Political Studies and the Centre for International and Defence Policy at Queen's University, Kingston, Ontario. He has served as editor of International Journal, the quarterly journal of the Canadian International Council, Canada's institute of international affairs (1992-1997) and president of the Canadian Political Science Association (2005-2006). He served as the former organizer on the Canadian side for CUKC (2013-2015).



Dr. Larry Kostiuk received his PhD in Engineering from Cambridge University and was Post-Doctoral Fellow at the Lawrence Berkeley National Laboratory in California before joining the University of Alberta. He served as Chair of Mechanical Engineering before becoming an Associate Vice-President (Research). His research specializations are in chemical reacting flows, combustion, pollutant formation and control, thermodynamics, micro- and nano-fluidics, and energy conversion systems.

Dr. Mel Cappe is Professor in the School of Public Policy and Governance. From 2006-2011 he was President of the Institute for Research on Public Policy. Prior to that for four years he was High Commissioner for Canada to the United Kingdom. Before that he served as Clerk of the Privy Council, Secretary to the Cabinet and Head of the Public Service in Ottawa. Earlier in his career he held senior economic and policy positions in the Departments of Finance and Industry. He was Deputy Secretary to the Treasury Board, Deputy Minister of the Environment, Deputy Minister of Human Resources Development, Deputy Minister of Labour and Chairman of the Employment Insurance Commission.

Dr. Nic Rivers is a professor and Canada Research Chair in Climate and Energy Policy at the University of Ottawa. His research focuses on the quantitative evaluation of public policies aimed at improving environmental quality.

Dr. Paul Boothe is the Managing Director for the Trillium Network for Advanced Manufacturing. He recently retired as Professor and Director of the Lawrence National Centre for Policy and Management at the Ivey Business School, Western University. His work experience has included university research and teaching, acting as an independent consultant to Canadian and international organizations, and serving as a senior public servant in provincial and federal governments. At the provincial level, he served as Saskatchewan's Deputy Minister of Finance and Secretary to Treasury Board. At the federal level, his appointments include Associate Deputy Minister of Finance and G7 Deputy, Senior Associate Deputy Minister of Industry and, most recently, Deputy Minister of the Environment. He retired from the federal public service in July 2012.

Dr. Stephen Scharper is an associate professor at the School of the Environment and the Department for the Study of Religion at the University of Toronto. He is also cross-appointed in the department of anthropology at the University of Toronto Mississauga campus, and is associate faculty with the Toronto School of Theology. A Senior Fellow of Massey College and a Fellow of Trinity College, his research and teaching are in the areas of environmental ethics, worldviews and ecology, liberation theology, as well as nature and the city.



Dr. Steven Dew is in his first term as provost and vice-president (academic) at the University of Alberta. An experienced administrator, and award-winning professor and researcher, Dr. Dew has been associate dean (research and planning) in the Faculty of Engineering since 1999, and a professor in electrical and computer engineering since completing his PhD in electrical engineering at the U of A in 1992. He has published more than 175 papers and is co-editor of *Nanofabrication Techniques and Principles* (2011). He is a recipient of the Killam Annual Professorship (2002), the McCalla Professorship (1998) and the Douglas R. Colton Medal for Research Excellence (1994).

Elizabeth Beale is an economist and was head of the Atlantic Provinces Economic Council (APEC) from 1996 to 2015. She is currently a director of two Canadian corporations and contributes to public policy as a member of Canada's Ecofiscal Commission, the Trudeau Foundation, the National Statistics Council and the Board of Economic Advisors for the government of Prince Edward Island.

Grant Bishop joined the Calgary office of McKinsey & Company as an Associate Consultant in January 2016. Prior to this role, he served as a judicial law clerk at the Federal Court of Appeal in Ottawa, articulated with Davies Ward Phillips & Vineberg LLP in Toronto, and contributed to economic policy research in roles at the Bank of Canada, the World Bank, Toronto-Dominion Bank and C.D. Howe Institute. Grant's expertise include law, economics and geological engineering.

James Auld joined Canadian National Railway in November 2013, after 26 years in the oil and gas sector focused on midstream assets. He works on CN's strategic initiatives and serves as an Energy Subject Matter Expert for CN, based out of CN's Calgary Logistics Park. Mr. Auld holds an MBA from Nova Southeastern University and has completed CN's Railroad MBA program.

Jennifer L. Bonder is a doctoral candidate at the University of Toronto studying Canadian foreign policy, specializing in trade and investment. An internship with Global Affairs Canada highlighted for her the importance of learning from the policy experiments of the past. Throughout Massey College's fiftieth anniversary year, Jennifer served as its elected Don of Hall and represented students to the public and administration. Jennifer is a Junior Fellow at the Bill Graham Centre for Contemporary International History, Munk School of Global Affairs. She speaks English & French.

Jon Mitchell is the Vice-President, Environment and Sustainability at Cenovus. He is responsible for leading a team that provides strategic advice, guidance and support to Cenovus on key environment and sustainability issues. As part of his current portfolio, Jon also leads Cenovus's environment subject matter experts, involving work on climate change, air emissions, water, land, and biodiversity strategies. Jon joined Cenovus's predecessor company in 2004 and has worked in the fields of sustainable development; environment, health and safety management systems; stakeholder engagement; land use planning; species at risk and greenhouse gas management for nearly 20 years.



Karen Clarke-Whistler has served as the Chief Environment Officer of TD Bank Group since 2008. In this role, Karen is responsible for developing TD's environmental strategy. Prior to joining TD, she spent more than 15 years working as an environmental consultant to a diverse base of clients in North and South America, Europe and Africa. Karen's was recognized as one of the 2012 Clean50, and one of the 2014 Clean16 (national leader in their sector).

Karen Young has held a wide variety of positions with the Government of Alberta and holds an MBA from the University of Alberta. Karen likes to bring an innovative and lean management approach to the public sector, learning from other jurisdictions and helping to improve public policy in Alberta. Currently, Karen is an Executive Director with the Climate Change Office, focusing on engagement and intergovernmental relations.

Kim Scott is founder and principal investigator of Kishk Anaquot Health Research (KAHR) and AKI Resources (Earth Resources). Her career spans a broad spectrum of activity related to public health, international and community development, governance, comprehensive sustainability planning and renewable energy advancement. She is currently the Director of Research and Policy at the Assembly of First Nations. She is keenly interested in amplifying the necessary nexus between human health, energy and sustainability in a way that advances triple bottom line accountability.

Linda Duncan M.P. is the Federal NDP Critic for Environment and Climate Change. She served as a senior legal advisor to Indonesia, Bangladesh and Jamaica on environmental enforcement and held a senior portfolio as the Chief of Enforcement for Environment Canada. She taught environmental law at Dalhousie University (Schulich School of Law). She founded the Alberta Environmental Law Centre.

Patrick Steadman is a MD-PhD student at the University of Toronto and Junior Fellow at Massey College. His Ph.D. research focuses on mechanisms of memory formation and remembrance. He has been involved in health advocacy and science policy development at the national level, including work on a national pharmacare proposal and privacy issues on mental health information.

Phil Burke is a senior director with the Alberta government with over 28 years of experience, primarily in the areas of constitutional reform, Indigenous health and intergovernmental relations.

Tina J. Park is a co-founder and executive director of the Canadian Centre for the Responsibility to Protect. Tina has advised over thirty governments, the Inter-Parliamentary Union, and the UN Secretary-General on R2P-related policies. She is currently completing her Ph.D. on a century of Canadian-Korean relations at the University of Toronto. She is a Director & Vice-President of the NATO Association of Canada.



Scott Vaughan is IISD President and CEO. He has been Canada's Commissioner of the Environment and Sustainable Development; Director, Department of Sustainable Development, Organization of American States (OAS); Visiting Scholar, Carnegie Endowment for International Peace; Head of Economics, NAFTA Environment Commission; and Counsellor, World Trade Organization (WTO). At the United Nations Environment Programme (UNEP), Vaughan initiated the UNEP Finance Initiative and UNEP's work on trade and environment.

Shawn McCarthy is the global energy reporter for Canada's Globe and Mail newspaper. In that role, he covers policy and economics on energy and climate change. He has written on oil and gas markets, clean-tech innovation, and Canada's climate debate, and reported from the UN climate summits. Prior to that role, he served as parliamentary bureau chief and New York correspondent.

The Hon. Jean Charest, the Chair of 2016 Canada-U.K. Colloquium, has served as the Deputy Prime Minister of Canada and Premier of Québec. The Charest government has been best known for a major initiative for the sustainable development of Northern Québec called "Plan Nord". Under his leadership, Québec experienced a sustained period of economic prosperity despite a global economic crisis. For the International arena, the Charest government initiated an unprecedented labour mobility agreement between France and Québec, and convinced Canada and the European Union to negotiate a broad economic partnership.

The Honourable Hugh D. Segal is the fifth Master of Massey College and a Senior Fellow of the Munk School of Global Affairs. This was preceded by four decades of service in the public and private sectors which included being Chief of Staff to a Prime Minister, Associate Cabinet Secretary for Federal/Provincial Affairs in Ontario and senior negotiator on the repatriation of the Constitution with the Charter of Rights and Freedoms in 1983.

The Honourable John Godfrey was appointed as the special advisor for climate change and chair of the Ontario government's new climate action group in spring 2015. He is a former university professor and president, newspaper editor, researcher, Member of Canadian Parliament, federal cabinet minister (Infrastructure and Communities) and headmaster.

Velma McColl is the Managing Principal of Earnscliffe Strategy Group in Ottawa. She blends her deep understanding of business, government and policy to create opportunities for her clients. She works on a range of economic and social issues and specializes in energy, environment and green technologies. Velma advised Federal Cabinet Ministers on political strategy, policy and communications before joining Earnscliffe. Through her career, she has focused on Canada's competitiveness and innovation opportunities, climate change, energy, technology and sustainable development.



Participant Bios: British Delegation

Dr. Chris Anastasi was until very recently Special Advisor for ENGIE Energy UK (previously GDF SUEZ). He had previously held the post of Head of Government Affairs, Policy and Regulation with ENGIE, having joined the Company in April 2010. His experience includes extensive knowledge of the energy sector and climate change and other environmental issues. He has acted as an expert and adviser in industry and the corporate sector, most recently with EDF Energy and before that with Shell International. He has worked in academia, first as Senior Lecturer at the University of York and then Visiting Professor at the University of Maastricht. Chris has been a member of a number of Government Committees and Advisory Boards in the UK and elsewhere. Until very recently, he was Vice-Chair of the Emissions Trading Group and was a member of DECC's Projections Advisory Board and UKERC's Advisory Board.

Tom Burke is the Chairman of E3G, Third Generation Environmentalism, and a Visiting Professor at both Imperial and University Colleges, London. He is a Senior Associate at the Cambridge Institute for Sustainability Leadership. He is Chairman of the China Dialogue Trust and a Trustee of Black-E Community Arts Project, Liverpool.

Anthony Cary served as British High Commissioner to Canada (2007-10). Previous diplomatic postings included Berlin, Kuala Lumpur, Washington DC and Stockholm. He served twice on secondment to the European Commission. He is currently a Commonwealth Scholarship Commissioner in the UK, and Hon President of the Canada-UK Council.

Anjou Dargar focuses on intellectual property and data protection policy issues and also works to promote the work Thomson Reuters is doing around sustainability and transparency. In addition, Anjou represents Thomson Reuters on various government and private sector advisory groups involved in the emerging markets. Prior to Thomson Reuters, she was at the US Chamber of Commerce where she was leading the US-India regulatory agenda in the financial services and real estate sectors.

James Donald is a Graduate Research Assistant and PhD candidate in the Institute for Integrated Energy Systems at the University of Victoria. He is part of the 2060 energy research project which is investigating technology pathways to energy de-carbonisation in Canada. Prior to this he worked for 10 years in the UK renewable energy industry on the development of major wind power projects.

Jonathan Flint recently retired after serving eleven years as the C.E.O. of Oxford Instruments, a leading UK technology Company. He has a BSc in Physics from Imperial College and an MBA from Southampton University. He is a fellow of the Institute of Physics, the Royal Academy of Engineering and the Institution of Engineering and Technology.

Lucien Georgeson is a Doctoral Researcher in the Department of Geography at University College London. His research focuses on redefining and measuring the global green economy using transactional data. He also has research interests in the development and implementation of the SDGs, and city- and national-level responses to climate change and sustainable development challenges.

Robert Gould has worked at Whitehall on domestic and international climate issues. He spent the last four years in the International Climate Team where he held a number of different roles, including for the last couple of years working in the team in London on the annual UN climate negotiations.



Tom Heap is the reporter on the UK's most watched factual programme - Countryfile - investigating environment, farming and rural affairs stories. He also presents the national radio environment documentary Costing the Earth and has made a number of documentaries on the troubled transition to low-carbon energy.

Emma Howard-Boyd has spent her 25-year career working in financial services, initially in corporate finance, and then in fund management, specialising in sustainable investment and corporate governance. As Director of Stewardship at Jupiter Asset Management until July 2014, Emma was integral to the development of their reputation in the corporate governance and sustainability fields. Emma is currently Chair of the Environment Agency and serves on various boards and advisory committees including, ShareAction (Chair of Trustees), Future Cities Catapult (Vice Chair), Menhaden Capital PLC the Aldersgate Group, and the Executive Board of the Prince's Accounting for Sustainability Project and the Carbon Trust Advisory Panel.

Zoë Knight is a Managing Director and Head of the Climate Change Centre of Excellence at HSBC. She joined HSBC in 2010 and has been an investment analyst at global financial institutions since 1997, initially focusing on Pan European small-cap equity strategy and subsequently moving into socially responsible investing, covering climate change issues. Since joining HSBC Zoë has co-authored reports on low-carbon opportunities in bond and equity markets, as well as long-term carbon and water risks. The Climate Change Centre of Excellence produces reports on 2°C finance, climate policy and climate impacts which are aimed at institutional investors.

Nicolas Maclean CMG. During a career in finance with Schrodgers, Samuel Montagu, HSBC, and Prudential Corporation, he served as elected Chairman of the Project and Export Finance Committee for Britain's investment banks and in 1983 invented the Public Private Partnership financing technique. He was responsible for financing energy-related projects around the world and once he had moved to a Public Finance advisory role, worked on energy-saving projects in Africa, Asia and the Caribbean. He now runs his own consultancy company and is a longstanding member of the Canada-UK Council. He was awarded the CMG in 2002 for his freelance diplomatic activities.

Dr. Alastair Martin is a professional energy engineer with experience ranging from gigawatt-scale coal and nuclear power stations, through industrial efficiency, to small wind, solar, biomass and hydro generators. Alastair founded Flexitricity in 2004 after formulating the core Flexitricity concepts of aggregated load management and flexible generation.

Sir Mark Moody-Stuart is the Former Chairman of the Royal Dutch/Shell Group and of AngloAmerican plc. Current board member of Saudi Aramco and on advisory board of Envision Energy, a Chinese renewable energy company. Engaged with the UN Global Compact since its foundation.

David Nelson is the Executive Director, Energy Finance at Climate Policy Initiative. Before joining CPI, David Nelson worked as an investor and strategic advisor to energy and utilities companies and their regulators in Europe, Asia, North America, South America and Australia for more than 20 years. Most recently, David was senior vice president and global sector leader for Energy, Utilities, and Commodities at Alliance Bernstein, where he managed research for the Bernstein Value portfolio and the commodity hedge fund. He also led the Global Energy research team and was the analyst covering global utilities (ex-North America).



Jeremy Nicholson is Director of the Energy Intensive Users Group, which campaigns for secure, competitive energy supplies for UK industry. He trained as a civil engineer working for water and energy utilities and their regulators. He is a Board member of IFIEC Europe (the International Federation of Industrial Energy Consumers) and a Fellow of the Energy Institute.

Dr. Matthew Paterson has researched the politics of climate change for the last 27 years. He has worked in particular on the international negotiations, on carbon markets, and on transnational governance initiatives. He was a Lead Author for the Intergovernmental Panel on Climate Change's Fifth Assessment Report (2014), working on the chapter on international cooperation.

Philip Peacock is the Chair of the Canada-United Kingdom Council which is the British organising arm of the annual Canada-UK Colloquia, and before that he was for some years its treasurer. He is also a longstanding Member of the Canada-United Kingdom Chamber of Commerce. Philip is a solicitor and formerly a Consultant in the City firm Radcliffes Lebrasseur and was previously a partner in Lovell, White & King (now Hogan Lovells) in London and the Middle East. He has acted for Canadian banks, investment houses, IT, manufacturing and business organisations for many years and has advised corporate clients in a wide variety of business activities, including mergers and acquisitions, banking, satellite telecommunications, power generation and healthcare innovation. Much of his time is now spent in providing pro bono advice to specific charities and NGOs in such areas as tax, charity law, copyright licensing, property redevelopment and corporate governance.

Adrian Rimmer has over a decade of experience across environmental finance and markets. He supported renewables and clean tech clients at ABN AMRO and RBS, then as CEO of the Gold Standard Foundation, Adrian led a focus on impact measurement, reporting and verification in health, water, sustainable land-use and cities. He is currently CEO of European Environmental Markets and President of the Climate Markets & Investment Association.

Caroline Saunders is a career diplomat. She is currently the representative of the UK for Alberta, Saskatchewan and Manitoba focused on trade and investment promotion. She has served as the Head of Global Low Carbon Growth in the Foreign Office tasked with promoting the economic case for climate action in the run up to COP 21 in Paris. Her previous postings include Australia, Malaysia and India.

Dame Fiona Woolf DBE is an energy lawyer who has worked on major reforms of the electricity industry in over 40 countries including the implementation of markets, infrastructure projects and regulatory regimes where the triple objectives have been decarbonisation, affordability and security of supply.



2016 CUKC
Break-out
sessions

Location Session	BOARDROOM Session 1	EDMONTON ROOM Session 2	PARLOUR ROOM Session 3	DRAWING ROOM Session 4
Title	Mobility Energy	Financing Policy Initiatives	Demand Side Policy	Measurement, Management & Transparency
Canadian co-chair	Brian Livingston	Dr. Paul Boothe	The Hon. John Godfrey	Kim Scott
British co-chair	Dr. Chris Anastasi	Adrian Rimmer	Dr. Alastair Martin	Zoe Knight
Rapporteur	James Donald	Bianca Ponziani	Patrick Steadman	Lucien Georgeson
Participants	Philip Peacock	Caroline Saunders	Prof. Matthew Paterson	Anjou Dargar
	Dame Fiona Woolf	Jeremy Nicholson	Phil Burke	Robert Gould
	Velma McColl	David Nelson	Karen Clarke-Whistler	Anthony Cary
	Arlene Strom	Grant Bishop	Shawn McCarthy	Emma Howard Boyd
	The Hon. Hugh Segal	Linda Duncan, M.P.	Prof. Kim Nossal	Prof. Mel Cappe
	David Paterson	Jennifer Bonder	Dr. Chris Ragan	Scott Vaughan
	Dr. Steven Dew	Jonathan Flint	Dr. Larry Kostiuik	Dr. Nicholas Rivers
	Mr. James Auld	Tom Burke	Elizabeth Beale	Dr. Stephen Scharper
	Sir Mark Moody-Stuart	Nicholas Maclean	Tom Heap	Karen Young
	Lady Judy Moody-Stuart			
Tina Park				
Drop-in	The Hon. Jean Charest	The Hon. Jean Charest	The Hon. Jean Charest	The Hon. Jean Charest

Break-out session #1: Mobility Energy (Boardroom)

- **Canadian Co-chair: Mr. Brian Livingston**
- **British Co-chair: Dr. Chris Anastasi**

How will mobility, in particular autos, but also trains, planes and ships, adapt to the low carbon economy? What is the role of public policy in accelerating the decarbonisation of transportation? What balance needs to be struck between infrastructural investment and the new technologies that will thrive when it is in place? How will autonomous vehicles alter the adaptation? How is the public to be brought along?

Key questions by the co-chairs:

- Are the greenhouse gas emission reduction targets for the sector realistic?
- What is the right balance between standards and incentives?
- What are the key enablers Government should focus on to help the sector decarbonise?
- What are the key partnerships?
- How will policy makers encourage the reduction of greenhouse gas emissions in large delivery trucks and buses?
- Should governments continue to give incentives to buyers of hybrid cars?
- Should governments continue to give incentives to buyers of electric cars?
- What other incentives, 'soft' and 'hard', would encourage the sector to decarbonise further?

Break-out session #2: Financing Policy Initiatives (Edmonton Room)

- **Canadian Co-chair: Dr. Paul Boothe**
- **British Co-chair: Mr. Adrian Rimmer**

How should R&D, demonstration and deployment of renewables be funded?

Do the same considerations apply to other non-traditional technologies (including geoenvironmental initiatives)? What about nuclear? Are innovative financing instruments required, and what has been the UK experience with the Green Investment Bank?

What are the respective roles for different levels of government and markets/private financing initiatives in stimulating the transition? How is the public to be brought along?

Key questions by the co-chairs:

- What initiatives should be considered for funding and what should be incentivized through carbon pricing, regulation or other means
- What sources of funds should be used - general revenues, carbon pricing revenues, environmental fines and penalties, private finance with government support?
- What should be the structure of financing - commercial loans, conditional loans, guarantees, grants, tax abatements?
- What type of capacity building is required - and among which stakeholder groups - to ensure that the right choices are made to deliver funding i.e. understanding the approach and risk appetite of different sources of funds to then deliver the most suitable pitch and supporting information? What types of supporting organisation are needed e.g. World Bank, GGGI?
- How do we ensure that private sector finance is not 'crowded out' and can be leveraged to best effect?
- What lessons can be learned from the successes and failures of various policies to date in driving innovation and investment e.g. CDM for catalysing private sector investment, green infrastructure funds, green bonds
- What if anything is the role for philanthropic / impact investors in technology (as opposed to project-level) investments?
- How should the success/impact of funding deployed be measured to ensure accuracy and consistency that can be used to determine future investment decisions (i.e. \$ per tonne mitigated, other socio-economic value, financial return, combinations thereof etc.)

Break-out session #3: Demand Side Policy (Parlour Room)

- **Canadian Co-Chair: The Hon. John Godfrey**
- **British Co-Chair: Dr. Alastair Martin**

What mechanisms are being used to shift consumption patterns? Are there examples of best practice that might be adopted by either country from the other? Building regulations? Smart metering? Can incentives be devised so that energy companies have an interest in seeking to reduce sales per customer? What is the best approach towards energy intensive sectors such as cement, steel and agriculture, where it may be very difficult to reduce demand?

Key questions by the co-chairs:

- What policies have governments deployed in managing energy demand and promoting a low-carbon economy in the United Kingdom and Canada?
- How have the markets and consumers responded?
- How have policies evolved over time in both countries?
- How effective have they been?
- What can we learn from each other?
- What future developments might alter current arrangements?

Break-out session #4: Measurement, Management and Transparency (Drawing Room)

- **Canadian Co-Chair: Ms. Kim Scott**
- **British Co-Chair: Ms. Zoe Knight**

How will progress be measured and communicated in each country? Is it possible to use transparency to encourage competition and promote best practice, identifying those areas in which there is most opportunity for gain during the transition? What will be the implications of the climate risk disclosure rules being prepared by the Bloomberg Taskforce under G20? Can transparency allow the regulatory and investment communities, as well as the general public, to have a greater real-time sense of where progress is being made, and where it is not?

Key questions by the co-chairs:

- Where might a greater transparency be needed?
- What is clearly absent?
- Where is convergence clear?
- What will be the most enrolling hallmarks of a just transition?

MEETING LOCATIONS

Thursday, Nov 24th

- 7:30-7:45am: Meet at Hotel Lobby for the Bus to the Government House
- 8am-5pm: *Briefing day at the Government House*
- 6pm-9pm: **Wedgewood Room** (Reception & Dinner)

Friday, Nov 25th

- 7am: Breakfast at Empire Ballroom Foyer
- 8am-12pm: **Empire Ballroom**
- 12-1pm: Lunch at Empire Ballroom Foyer
- 1-3pm: **Empire Ballroom**
- 3:00-4:30pm: Break-out sessions
 - [Session 1] Mobility & Energy (**Boardroom**)
 - [Session 2] Financing Policy Initiatives (**Edmonton Room**)
 - [Session 3] Demand Side policy (**Parlour Room**)
 - [Session 4] Measurement, Mgmt & Transparency (**Drawing Room**)
- 6pm-9pm: **Wedgewood Room** (Reception & Dinner)

Saturday, Nov 26th

- 7am: Breakfast at Empire Ballroom Foyer
- 8am-11:30am: **Empire Ballroom**
- 11:30am-12:30pm: Lunch at Empire Ballroom Foyer
- 12:30-2pm: **Empire Ballroom** // conclusion of the CUKC
- 2-4pm: *Cavanagh Room for the CUKC Organizing Committee Meeting*

Useful contacts

- Emergency contact: Tina Park +1 416 828 2361 (park.tina@gmail.com)
- Prestige Transportation: +1 780 463 5000
- Edmonton International Airport Flight Information: <http://flyeia.com/>
- Fairmont Royal Service: Brittany + 1 780 424 5181 www.fairmont.com/macdonald

The final report from the 2016 CUKC will be published online in early spring 2017 at <http://publicpolicy.utoronto.ca/events/the-canada-uk-colloquium/>



FAIRMONT HOTEL MACDONALD

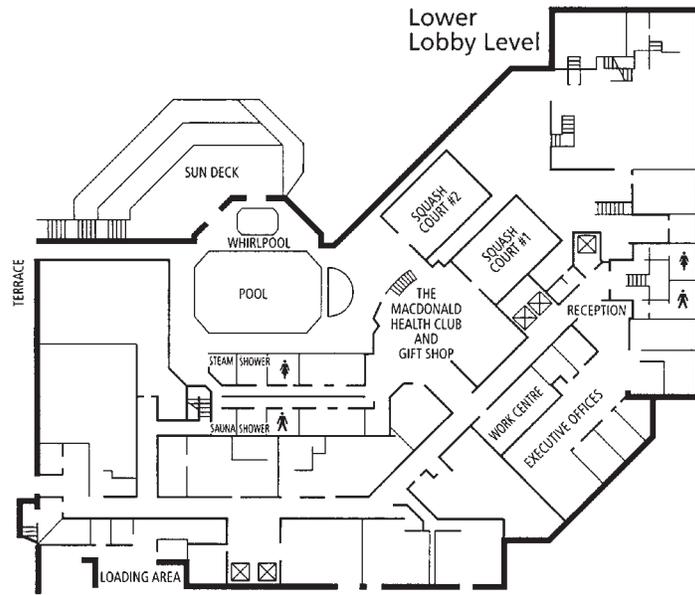
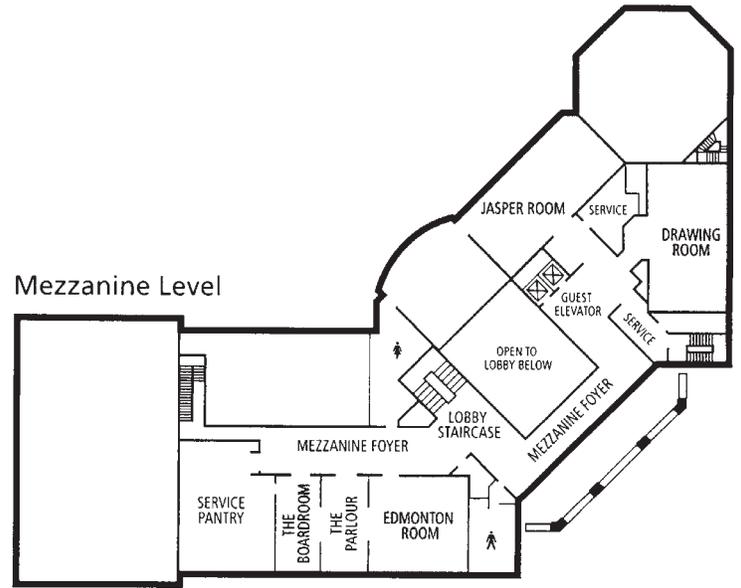
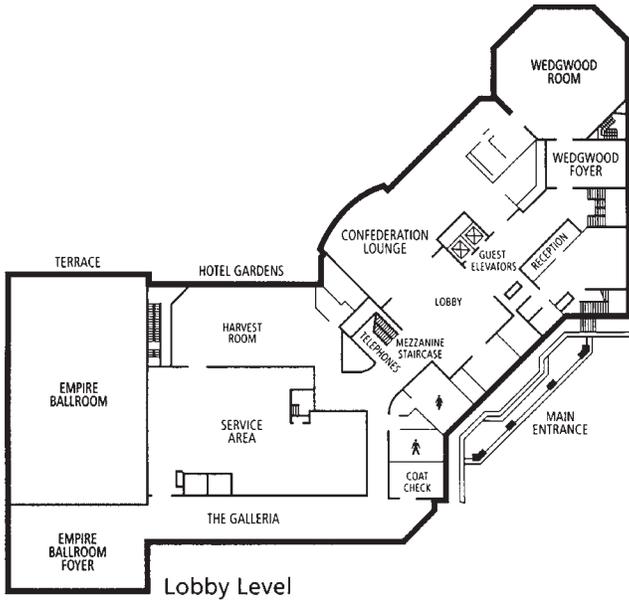
hotelmacedonald@fairmont.com

Please find below a summarized list of the various amenities and services offered within the hotel as well as their hours of operation where applicable:

- **Health Club**
 - ❖ Saltwater pool/hot tub/steam room/sauna – 5:30am – 11:00pm, Monday-Saturday; 5:30am – 7:30pm on Sundays
 - ❖ Gym – 24 hours daily
 - ❖ Squash court – must book – between hours of 5:30am -7:30pm
- **The Harvest Room – fine dining restaurant**
 - ❖ Breakfast – 6:30am – 11:00am (buffet until 10:00am) during weekdays; On weekends – 7:00am – 12:00pm (including buffet)
 - ❖ Lunch – served daily from 11:00am – 2:00pm
 - ❖ Dinner – served daily from 5:30pm – 9:00pm
 - ❖ *Please note Harvest Room is closed between 2:00pm and 5:30pm*
- **The Confederation Lounge – casual all day dining**
 - ❖ Open daily from 11:00am – 11:00pm
- **Business Center**
 - ❖ 24 hours – equipped with two computers and a printer
- **In-Room Dining**
 - ❖ Available 24 hours daily – reduced menu after 11:00pm (cold items only)

Other Services/Amenities:

- Shoe shining (complimentary)
- Fairmont Fit (request at check-in with sizes; shirt, shorts, socks, and shoes provided)
- Bicycles (complimentary)
- Dry cleaning/laundry services (cost associated – varies)
 - ❖ If sent out before 8:00am, will be returned to the room by 6:00pm the same day
 - ❖ Available Monday-Saturday
 - ❖ Not Available Sundays or holidays
- Valet Service (\$45/night)
- Turndown service



ROOM	METRIC	STANDARD	SQUARE FEET	METRIC	STANDARD	BOARD ROOM	CLASS ROOM	THEATRE	HOLLOW SQUARE	U-SHAPE	DINNER DANCE	BANQUET	RECEPTION
Empire Ballroom	13.8 X 23.7 m	46' x 79'	3600	6.3	21'	-	200	350	-	-	250	280	350
Empire Ballroom Foyer	8.4 x 15 m	28' x 50'	1400	3.9	13'	-	-	-	-	-	-	-	150
Empire Ballroom Terrace*	13.6 x 18.8 m	45' x 62'	2790	-	-	-	-	-	-	-	-	-	175
Wedgwood Room	13.5m Diam.	45' Diam.	1500	6.0	20'	40	70	160	35	32	100	130	150
Wedgwood Room Foyer	4.2 x 8.1 m	14' x 27'	380	3.0	10'	-	-	-	-	-	-	-	-
Jasper Room	6.9 x 14.7 m	23' x 49'	1120	3.0	10'	30	40	60	30	25	50	60	60
Drawing Room	7.2 x 13.5 m	24' x 45'	1080	3.0	10'	30	50	60	40	30	50	60	60
Edmonton Room	8.1 x 9 m	27' x 30'	810	3.0	10'	20	30	50	24	20	40	40	50
The Boardroom	4.2 x 8.1 m	14' x 27'	380	3.0	10'	15	-	-	-	-	-	-	-
The Parlour	4.2 x 8 m	14' x 22'	308	3.0	10'	-	-	-	-	-	-	-	20

*Seasonal Use Only



LOGISTICAL INFORMATION

THE 2016 CANADA-U.K. COLLOQUIUM (CUKC)
 "THE TRANSITION TO A LOW- CARBON ECONOMY"
 Thursday, 24 November – Saturday, 26 November 2016

Chair: The Honourable Jean Charest

MEETING AND ACCOMMODATION

SCHEDULE	The official program for CUKC starts at 8am on Fri, Nov 25 th and concludes at 2pm on Sat, Nov 26.
BRIEFING DAY	The Government of Alberta is hosting a briefing day on Nov 24 th featuring a keynote address by Premier Rachel Notley
VENUE	Briefing Day (Nov 24): Government House, Edmonton CUKC (Nov 25-26): Fairmont Macdonald Hotel Address: 10065 100 St NW, Edmonton, AB T5J 0N6 Phone: (780) 424-5181 http://www.fairmont.com/macdonald-edmonton/
REGISTRATION	Please pick up your delegate's package upon check-in at the hotel. If you are not staying at the hotel, there will be a registration desk in front of Empire Ballroom on the morning of Nov 25 th .
HOTEL CONFIRMATION	"CUKC – Your full name" is the confirmation ID for the hotel. Please prepare to provide your credit card for incidentals upon check-in, as well as Fairmont President's Club card if you wish.
MEALS	If you made any special dietary requests on the online registration page, we have made arrangements for you. (Vegeterian/gluten-free)

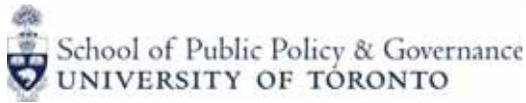
TRAVEL & TRANSPORTATION

FROM AIRPORT TO HOTEL	Prestige Transportation will pick you up upon arrival at the Edmonton airport (The driver will be waiting with your name sign) <i>** Please notify Tina if you experience any major flight delays</i>
BRIEFING DAY (Nov 24)	CUKC Shuttle Bus will depart at 7:45am in front of the hotel and will pick you up at 5:10pm in front of the Government House
FROM HOTEL TO AIRPORT	Prestige Transportation will pick you up 3 hours prior to your flight departure from the hotel lobby (More details in the delegate's pkg)
ON-SITE CONTACT	Tina Park +1-416-828-2361 Park.tina@gmail.com @jiwontina
WEATHER	The average temperature in Edmonton, Alberta in November is slightly cold at -4.2 °C. Overnight temperatures are generally cold with an average low of -8.4 °C.
TIME ZONE	Edmonton: Mountain Time Zone (UTC-07:00)



2016 Canada-U.K. Colloquium

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