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FORUM

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INNOVATION SHOWCASE

CANADIAN MUSEUM OF HISTORY
Tuesday, November 1

17:00-20:00

Networking & Innovation Profiles

18:00-18:35

Welcome & Speeches

E. Shirt (Emissions Reduction Alberta) & *J. Marrone* (BioFuelNet Canada)
G. Mason, Natural Resources Canada
D. Cardinal, Douglas Cardinal Architect

PLENARY DAY

EY CENTRE
Wednesday, November 2

8:30

Opening Remarks

B. Kenny (Emissions Reduction Alberta) & *D. Smith* (BioFuelNet Canada)

8:40

P1: The Challenge - Greenhouse Gas Ambitions in Canada

MOD: *B. Kenny*, Emissions Reduction Alberta
M. Jones, Environment and Climate Change Canada
K. Sullivan, International Emissions Trading Association
M. Giridhar, Enbridge

9:50

HEALTH BREAK

10:10

P2: BioCleantech to Meet Canada's Economic and Climate Goals

MOD: *C. Johnstone*, Innovation, Science & Economic Development Canada
S. Wood-Bohm, Alberta Innovates/Emissions Reduction Alberta
J. Stephen, TorchLight Bioresources (on behalf of Alberta Innovates)
W. Mabee, Queen's University

11:10

P3: Panel on Managing BioCleantech Risks

MOD: *Z. Rahme*, Sustainable Development Technology Canada
PANELISTS: *J. Jacobs* (Ensyn), *N. Schmitz* (Global Risk Assessment Services),
J. Solomon (Ecostrat), *B. Wortzman* (Greenfield Specialty Alcohols)

12:15

LUNCH

MOD: *C. Krywiak*, Ontario Centres of Excellence
A. Potts, Parliamentary Assistant, Ontario Minister of the Environment & Climate Change

13:20

P4: Large-Scale BioCleantech Examples from Around the World

MOD: *F. Des Rosiers*, Natural Resources Canada
D. Keedy, Drax Power
H. Antila, Fortum
M-H. Labrie, Enerkem

14:40

HEALTH BREAK

15:00

P5: BioCleantech as the Basis for a Sustainable Economy

MOD: *G. Meredith*, Agriculture & Agri-Food Canada
B. Young, National Aboriginal Forestry Association
N. Schmitz, International Sustainability & Carbon Certification

16:10

MOD: *S. Wood-Bohm*, Alberta Innovates
K. Rudd, Parliamentary Secretary, Minister of Natural Resources

17:00-21:00 > **Networking & Innovation Profiles**

18:00-19:30 > **Dinner & Address**

MOD: *R. Cumming*, LafargeHolcim

Supporting Innovation in the BioCleantech Sector - *S. Price*, Alberta Innovates

SECTOR DAY

EY CENTRE
Thursday, November 3

8:30 > **1A: Biomass Firing in Existing Coal-Fired Power Plants**

MOD: *G. John*, Alberta Energy

D. Campbell, Nova Scotia Power

W. Strauss, FutureMetrics

K. Flick, Valmet

J. Holmes, Zilkha Biomass

1B: Bioheat for District Energy and Distributed Systems

MOD: *M. Wiggin*, Pub. Serv. & Procurement Can.

S. Madrali, Natural Resources Canada

M. Leblanc, ACFOR

J. Manson, FVB Energy

M. Kennedy, Ramboll

1C: Growing the Biofuel and Biorefinery Sector

MOD: *E. Burack*, Transport Canada

B. Wortzman, Greenfield Specialty Alcohols

B. Duniece, Permolex

G. Skogstad, University of Toronto

I. Thomson, Advanced Biofuels Canada

1D: Meeting the Process Heat Demands of Heavy Industry

MOD: *J. Matthews*, COSIA

R. Cumming, LafargeHolcim

F. Preto, Natural Resources Canada

C. Norman, SysEne Consulting

A. Kumar, University of Alberta

9:50 HEALTH BREAK

10:20 > **2A: The Role of Biopower in Provincial Grids and Microgrids**

MOD: *R. Sinclair*, Ind. Electricity Sys. Operator

J. Arsenault, Wood Pellet Assoc. Canada

I. Peretti, Turboden

R. Albers, West Fraser

D. St. George, Manitoba Hydro

2B: Renewable Natural Gas: Leveraging Existing Infrastructure

MOD: *R. McMonagle*, City of Toronto

J. Green, Canadian Biogas Association

P. Cheliak, Canadian Gas Association

D. Beverly, Gaz Métro

H. Thunman, Chalmers University

2C: Integration of BioCleantech with Canada's Oil Industry

MOD: *M. Sheikhzadeh*, Lambton College

M. Salib, Air Canada

D. Bressler, University of Alberta & Forge

J. Chen, Natural Resources Canada

J. Jacobs, Ensyn

2D: Biocarbon for Green Steel and Alternatives

MOD: *T. Eastman*, Ontario MNDM

KW Ng, Natural Resources Canada

T. Todoschuk, ArcelorMittal Dofasco

H. Suopajarvi, University of Oulu

T. Echterhof, RWTH Aachen University

11:40 LUNCH MOD: *W. Mabee*, Queen's University

Biological Solutions to Climate Change: An Energy Systems Perspective - *D. Layzell*, University of Calgary

Clean Technology in Canada's Natural Resource Sectors - *F. Des Rosiers*, Natural Resources Canada

13:00 > **3A: BioCleantech in Carbon Accounting Systems**

MOD: *A. Bambrick*, Alberta Environment & Parks

M. Rahimi, CSA Group

M. Leering, CSA Group

C. Schuh, le-ef.com Consulting

M. Rensing, BC Ministry of Energy & Mines

3B: Strategies for Successful Project Development

MOD: *G. Tauvette*, WestJet

M. McLaughlin, Bioindustrial Innovation Can.

P. Milley, Halifax Global

R. McCurdy, Pinnacle Renewable Energy

TBD

3C: Effective Biomass Supply Chain Design and Operation

MOD: *S. Price*, Alberta Innovates

J. Solomon, Ecostrat

M. Ebadian, Biomass Supply Chain Cons.

T. Lysiak, CN

J. Linkewich, LinksEdge

3D: Sustainability Certification and Social License

MOD: *C. St. Croix*, AAFC

E. Bélanger, Forest Products Assoc. Can.

G. Bull, University of British Columbia

M. Luckert, University of Alberta

J. Peters, Silvacom

14:20 HEALTH BREAK

14:40 > **4A: Life Cycle Assessment of Bioenergy and Biofuels**

MOD: *G. Assefa*, University of Calgary

D. O'Connor, (S&T)2 Consultants

D. Hooper, Advanced Biofuels Canada

B. Saville, University of Toronto

B. Rabik, Alberta-Pacific Forest Industries

4B: Job Creation and Regional Development Impacts

MOD: *C. Cobden*, Cobden Strategies

C. Egger, OÖ Energiesparverband

J. Grey, IGPC Ethanol

D. Mackett, Whitesand First Nation

J. Kozij, Natural Resources Canada

4C: Partnerships and Stakeholder Engagement

MOD: *Reg Renner*, Atticus Financial

S. Ferguson, Conifex Timber

C. Felske, City of Edmonton

J. Goetsch, Daishowa-Marubeni International

X. Bi, University of British Columbia

4D: Environmental Criteria and Indicators

MOD: *R. Aspinall*, Amazon Reg. U. IKIAM

E. Thiffault, Université Laval

C. Gaudreault and I. Lama, NCASI

W. Mabee, Queen's University

A. Bali, Competitive Green Technologies