

Purewall, Dar OHCS:EX

From: Rotgans, Trudy OHCS:EX
Sent: Wednesday, August 15, 2012 12:58 PM
To: Purewall, Dar OHCS:EX
Subject: FW: Request: Europe Trip (2).docx

Importance: High

From: Rotgans, Trudy OHCS:EX
Sent: Thursday, June 28, 2012 1:09 PM
To: Joyce, Tonja GCPE:EX
Subject: FW: Request: Europe Trip (2).docx
Importance: High

Hi Tonja, You should contact Ben Henzler at Forestry Innovation Investment. He has offered his assistance.
Ben.Henzler@bcfii.ca Thank you.

Best regards,

Trudy Rotgans, MAIBC
Executive Director
Building and Safety Standards Branch

Tel: 250-387-3754

From: Joyce, Tonja GCPE:EX
Sent: Thursday, June 28, 2012 11:55 AM
To: Rotgans, Trudy OHCS:EX
Subject: Request: Europe Trip (2).docx
Importance: High



Europe Trip
(2).docx

Hi Trudy,

The Minister's office has requested a more detailed schedule including all the opportunities for the Europe trip. Are you able to provide some background information on what the opportunity is and who the contact is for the buildings standards opportunities?

Thanks,

Tonja

Possible Meeting	Location	Objective	Ministry/ Lead
British Gas Group headquarters	London	Discuss BG's potential LNG export project in B.C. Understand BG's business model and decision making for international LNG projects	MEM/ Ines Piccinino
Canada's High Commission	London	Diplomatic connection	JTI/ Int'l Marketing & Investment
CIBC world markets, RBC, Deutsche Bank	London	Mining investments, LNG plants, Pipeline Investments, General global fiscal picture, Energy opportunities associated with larger capital expenditure projects, Issues around hydro utility debt management.	Finance
Shell Headquarters	The Hague, The Netherlands (HQ) or London	Discuss Shell's potential LNG export project in B.C. Understand challenges and opportunities they see for B.C. project versus other international LNG export projects Shell is involved in.	MEM/ Ines Piccinino
Statoil and visit to Snohvit LNG Export plant	Norway (Snohvit plant – 37% owned by Statoil)	Understand details around this plant – the only one in the world that runs on electricity (generated using natural gas). Norway has no debt and a large heritage fund from offshore oil/gas revenues, so a talk with Statoil could provide interest insights.	MEM/ Ines Piccinino

LNG-Import plant	There are 21 operating regasification plants in Europe (Italy, Turkey, Spain, UK, France, Netherlands, Greece, Portugal and Belgium) The newest is in France (started up in 2010). Shell has ownership in three terminals in Spain (Barcelona, Cartagena and Huelva) – A visit could likely be arranged.	Tour an LNG regasification plant. Could also open the door to discuss advantages of importing B.C. gas – although distance makes European markets less interesting for Westcoast exports	MEM
EuroZone Update	London	Meet with HSBC executives Spencer Lake, Head of Global Capital Markets and Stephen King, Chief Strategist) for update on Euro capital markets and outlook for Eurozone. Finance felt it was a good opportunity for the onset of the tour	Darshi Klear, Finance
Building Standards	London	Visit Andrew Waugh at Waugh Thistleton Architects - responsible for Murray Grove, and is also working on a 7 storey CLT mixed use project.	Jeff Vasey, Ben Henzler FII
Building Standards	London	Meet with Nic Clark & Matthew Linegar of KLH UK at their London office, and tour the West London Academy, a school project in the finishing stages of construction.	Jeff Vasey, Ben Henzler FII
Building Standards	London	Briefing and visit the 8 storey CLT Bridport House. Engineered by Eurban, constructed by Willmott Dixon.	Jeff Vasey, Ben Henzler FII

Purewall, Dar OHCS:EX

From: Rotgans, Trudy OHCS:EX
Sent: Wednesday, August 15, 2012 12:59 PM
To: Purewall, Dar OHCS:EX
Subject: FW: enquiry re: Minister's visit to Europe

-----Original Message-----

From: Rotgans, Trudy OHCS:EX
Sent: Friday, June 8, 2012 2:43 PM
To: 'Ben Henzler'
Cc: 'Michael Loseth'; Woolley, Paul GCPE:EX; Vasey, Jeff OHCS:EX
Subject: RE: enquiry re: Minister's visit to Europe

Thank you Ben and Michael,

I very much appreciate your advice on this matter.

By copy of this email, I am sending this to Paul Woolley, Communications Director, and Jeff Vasey.

Best regards,

Trudy Rotgans, MAIBC
Executive Director
Building and Safety Standards Branch

Tel: 250-387-3754

-----Original Message-----

From: Ben Henzler [<mailto:Ben.Henzler@bcfii.ca>]
Sent: Friday, June 8, 2012 2:34 PM
To: Rotgans, Trudy OHCS:EX
Cc: Michael Loseth
Subject: Re: enquiry re: Minister's visit to Europe

Hi Trudy – Michael and I discussed and suggest the following:

London is a great city to both talk with some of the key players in timber building today, and also see interesting examples finished or under construction. The ideas below offer a mix of residential, school, and mixed use.

1. Visit Andrew Waugh at WaughThistleton Architects (info@waughthistleton.com, +44 207 613 5727). He was responsible for Murray Grove, and is also working on a 7 storey CLT mixed use project near their offices.
2. Nic Clark & Matthew Linegar of KLH UK. (nic.clark@klhuk.com / matthew@klhuk.com, +44 203 031 8070). They would most likely be happy to organize a briefing at their London office, plus a trip to the West London Academy, a school project in the finishing stages of construction.
3. The 8 storey CLT "Bridport House" (engineered by Eurban, constructed by Willmott Dixon, either of which could give a good briefing on the project and take you to see it).

If the Minister can devote a day or two, a very informative itinerary could be developed.
S22 we would be happy to provide introductions, or help
organize. Let us know.

There are other good examples on the continent, but not sure if the extra travel and time is helpful to your objectives.

Regards,

Ben Henzler
Director, Wood First

Forestry Innovation Investment
604.601.5322
www.naturallywood.com<<http://www.naturallywood.com/>>

From: <Rotgans>, "Rotgans, Trudy" <Trudy.Rotgans@gov.bc.ca<<mailto:Trudy.Rotgans@gov.bc.ca>>>
To: Michael Loeth <loeth@bcfii.ca<<mailto:loeth@bcfii.ca>>>, Bernd Henzler
<ben.henzler@bcfii.ca<<mailto:ben.henzler@bcfii.ca>>>
Subject: enquiry re: Minister's visit to Europe

Hi Michael and Ben,

Please let me know if there are any "must see" timber buildings in UK, or Europe in general, that the Minister may wish to visit on his trip to the UK during the week of July 30th.

I will send this reference:

Cross-Laminated Solid Timber - nine storey cross-laminated timber apartment building in east central London

The Stadthaus apartment building in Murray Grove was made with solid timber walls and floors using the proprietary system of KLH UK Ltd. The architects are Waugh Thistleton and the engineers are Techniker Ltd.

<http://en.wikipedia.org/wiki/Stadthaus>

Thank you.

Best regards,

Trudy Rotgans, MAIBC
Executive Director
Building and Safety Standards Branch

Tel: 250-387-3754

.....

The only details I really have right now are below.

The High Commission is putting on two days of activities - one is a Mining Day and the other is an Energy Day. They are inviting a variety of major players to attend so that we can showcase what opportunities exist in Canada.

Quebec is taking the lead on mining, and Alberta on energy. However, the participants will be there to see and hear about the activities of all provinces. I believe this will be a great opportunity for BC to showcase what we have to offer including the sector strategies. Here is the low-down from the High Commission on the two days.

Monday, July 30th will feature Pan-Canadian Mining Day at Canada House. BC is slated to participate, although the name of the speaker had not yet been confirmed. Other participating provinces are Saskatchewan, Ontario and Quebec (lead organizer). This will involve provincial presentations followed by a networking event.

Tuesday, July 31st will feature Energy Day at Canada House. This event may have a New West Partnership focus, with participating provinces at this point being Alberta (lead organizer), Saskatchewan and BC. As noted, we understand that Premier Redford will participate. Teck Resources is also hosting a reception at the Official Residence in the late afternoon, which could also be of interest.

Smith, Shannon M OHCS:EX

From: Anderson, Maryann GCPE:EX
Sent: Wednesday, August 1, 2012 9:54 AM
To: Smith, Shannon M OHCS:EX
Cc: Moran, Jennifer OHCS:EX; Vasey, Jeff OHCS:EX
Subject: RE: RUSH Meeting Note: Request: Europe Trip (2).docx
Attachments: London_MtgNote_July28_Tall Wood Buildings.docx

Hi,

I have rejected all changes on the final note, except for two (the highlighted bullet on CLT in B.C. – as well as changing the implementation date to 2009).

My note was sent to Minister Coleman last week in time for the meeting. However, I will save this version attached as the final for the trip.

Maryann Anderson

Communications | Ministry of Energy and Mines, Minister Responsible for Housing
p: 250 952-0152
w: www.housing.gov.bc.ca

From: Smith, Shannon M OHCS:EX
Sent: Tuesday, July 31, 2012 11:49 AM
To: Anderson, Maryann GCPE:EX
Cc: Moran, Jennifer OHCS:EX
Subject: FW: RUSH Meeting Note: Request: Europe Trip (2).docx

Hi Maryann – BSSB has reviewed the rush briefing note and sent it forward to Jeff Vasey for review. Can you please advise me of the meeting date?

Thank you.

Shannon Smith

Building and Safety Standards Branch | Phone: 250-387-3133 | Fax: 250-387-8164 | Email: Shannon.Smith@gov.bc.ca

From: Anderson, Maryann GCPE:EX
Sent: Thu, July 26, 2012 9:19 AM
To: Kuan, Steven Y OHCS:EX
Subject: RE: RUSH Meeting Note: Request: Europe Trip (2).docx

Hi Steven,

I just heard back from Andrew Waugh, so have asked Sonya for a note.

The Minister will tour Murray Grove and Bridport House from the outside and Whitmore Road from the inside. Andrew said in his note that they are all close together and the walk from his office is about 20 minutes roundtrip.

I will send the note when I receive it. If we don't get a note from FII, we can just pull the building information from the project description on the architect's website. (Can you confirm that Bridport House is a different architect?)

Maryann Anderson

Communications | Ministry of Energy and Mines, Minister Responsible for Housing
p: 250 952-0152
w: www.housing.gov.bc.ca

From: Kuan, Steven Y OHCS:EX
Sent: Thursday, July 26, 2012 8:28 AM
To: Anderson, Maryann GCPE:EX
Subject: RE: RUSH Meeting Note: Request: Europe Trip (2).docx

Hi Maryann,
Has Fil sent us a meeting note yet?
Steven

Steven Kuan

Building and Safety Standards Branch
Office of Housing and Construction Standards
Ministry of Energy and Mines and Minister Responsible for Housing
Tel: (604) 218-0296

From: Anderson, Maryann GCPE:EX
Sent: Mon, July 23, 2012 11:31 AM
To: Smith, Shannon M OHCS:EX
Cc: Kuan, Steven Y OHCS:EX
Subject: RE: RUSH Meeting Note: Request: Europe Trip (2).docx

Thanks,
We are now waiting for Sonja to get information from Andrew Waugh – it is still unclear which building they are proposing he visit. I will ask Fil to prepare the meeting note – and send it over to Steven for review.

Maryann Anderson

Communications | Ministry of Energy and Mines, Minister Responsible for Housing
p: 250 952-0152
w: www.housing.gov.bc.ca

From: Smith, Shannon M OHCS:EX
Sent: Monday, July 23, 2012 11:06 AM
To: Anderson, Maryann GCPE:EX
Subject: RUSH Meeting Note: Request: Europe Trip (2).docx
Importance: High

Hi Maryann – please see email from Steven Kuan below. He was drafting the Meeting Note we spoke of this morning for the Minister. I understand there has been a mix up... We are now on hold until Tonja advised Steven of the outcome. I will keep you informed.

Shannon Smith

Administrative Assistant, Building and Safety Standards Branch
Phone: 250-387-3133, Fax: 250-387-8164, Email: Shannon.Smith@gov.bc.ca



Office of Housing and
Construction Standards

From: Kuan, Steven Y OHCS:EX
Sent: Mon, July 23, 2012 11:00 AM
To: Nutting, Alison OHCS:EX
Cc: Green, Tracy OHCS:EX
Subject: RE: Request: Europe Trip (2).docx

Alison,

I just talked to Tonja. It appears there's been a mix-up. I'll get in touch with the wrong architect for Minister Coleman. They contacted Andrew Waugh, the architect for the famous Murray Grove building, instead of the architect for the Bridport House. She doesn't know if they can undo the mistake. She's contacting I'll now to see what could be done.

I'm holding off on preparing anything until we hear back from her.

Steven

From: Nutting, Alison OHCS:EX
Sent: Thu, July 19, 2012 3:41 PM
To: Kuan, Steven Y OHCS:EX
Cc: Green, Tracy OHCS:EX; Rotgans, Trudy OHCS:EX
Subject: RE: Request: Europe Trip (2).docx

Steven, it would appear they would like to have a meeting note prepared for a possible meeting between the Minister and the architectural firm that designed the 8 storey CLT "Bridport House" (engineered by Eurban, constructed by Willmott Dixon). Looking at the email train below, I'm guessing Michael Loeth will be setting up the meeting - ?

Would you be able to prepare a short meeting note?

Thanks,
Alison

Alison Nutting
Manager, Policy and Codes Development
Building and Safety Standards Branch
Office of Housing and Construction Standards
Ministry of Energy and Mines and Minister Responsible for Housing
Tel: 250 387-3852
Fax: 250 387-8164

From: Rotgans, Trudy OHCS:EX
Sent: Thursday, July 19, 2012 3:33 PM
To: Nutting, Alison OHCS:EX
Cc: Green, Tracy OHCS:EX; Kuan, Steven Y OHCS:EX
Subject: Fwd: Request: Europe Trip (2).docx

Maybe Steven can talk to tonja? Not sure what is needed

Trudy

Sent from my iPhone

Begin forwarded message:

From: "Joyce, Tonja GCPE:EX" <Tonja.Joyce@gov.bc.ca>
Date: 19 July, 2012 10:46:09 AM PDT
To: "Rotgans, Trudy OHCS:EX" <Trudy.Rotgans@gov.bc.ca>
Cc: "Anderson, Maryann GCPE:EX" <Maryann.Anderson@gov.bc.ca>
Subject: FW: Request: Europe Trip (2).docx

Hi Trudy,

Is it possible for you or someone on your team to put together a meeting note on this opportunity? The template is attached.

Thanks,

Tonja

-----Original Message-----

From: Michael Loseth [<mailto:loseth@bcfii.ca>]
Sent: Wednesday, July 18, 2012 4:50 PM
To: Joyce, Tonja GCPE:EX
Subject: Re: Request: Europe Trip (2).docx

Ben

Maybe Jen or Dave can assist as i know you are done Given it is a completed building - the Architect would likely be the best route. They could meet the minister, talk about CLT and why it was selected and the benefits, then take him to the site.

Michael Loseth
Vice President Operations
loseth@bcfii.ca

Forestry Innovation Investment Ltd.
#1200 - 1130 West Pender Street, Vancouver, BC Canada V6E 4A4
Tel: 604.685.7507 | Fax: 604.685.5373 | www.bcfii.ca | www.naturallywood.com

British Columbia wood. Sustainable by nature. Innovative by design.

On 2012-07-19, at 2:27 AM, "Joyce, Tonja GCPE:EX" <Tonja.Joyce@gov.bc.ca> wrote:

Hi Ben,

Is it possible for you to arrange a meeting/tour for Minister Coleman of the 8 storey CLT "Bridport House" (engineered by Eurban, constructed by Willmott

Dixon)? He is available July 28th. If that date doesn't work he is also available on the 27th or the morning of the 31st (there are other meetings that are also being looked at for these days).

Let me know what works.

Thanks,

Tonja

-----Original Message-----

From: Ben Henzler [mailto:Ben.Henzler@bcfii.ca]

Sent: Thursday, June 28, 2012 2:59 PM

To: Joyce, Tonja GCPE:EX

Cc: Michael Loseth

Subject: FW: Request: Europe Trip (2).docx

Importance: High

Tonja - see below for an excerpt from my note to Trudy Rotgans regarding these visits - contact details are noted for two of the three options. I believe Michael Loseth can tee-up introductions if needed.

There is currently high interest by designers in exploring uses for cross laminated timber. The recent release of the study "The Case for Tall Wood Buildings" by prominent BC architect Michael Green, a number of recently completed mass timber buildings in BC (up to 5 storeys), plus the governments plan to build the Wood Innovation & Design Centre in Prince George, are all evidence of the desirability of recognizing this form of construction in the BC Building Code.

The visits suggested offer the opportunity to understand the UK building code environment under which some of the leading innovations in this type of construction are happening, plus discuss with practitioners where the technology is going (i.e., what is possible, and what we are likely to see in the near future with mass timber).

Ben Henzler

Director, Wood First

Forestry Innovation Investment

604.601.5322

London is a great city to both talk with some of the key players in timber building today, and also see interesting examples finished or under construction. The ideas below offer a mix of residential, school, and mixed use.

1. Visit Andrew Waugh at WaughThistleton Architects
(info@waughthistleton.com<<mailto:info@waughthistleton.com>>, +44 207 613 5727). He was responsible for Murray Grove, and is also working on a 7 storey CLT mixed use project near their offices.
2. Nic Clark & Matthew Linegar of KLH UK.
(nic.clark@klhuk.com<<mailto:nic.clark@klhuk.com>> / matthew@klhuk.com<<mailto:matthew@klhuk.com>>, +44 203 031 8070). They would most likely be happy to organize a briefing at their London office, plus a trip to the West London Academy, a school project in the finishing stages of construction.
3. The 8 storey CLT "Bridport House" (engineered by Eurban, constructed by Willmott Dixon, either of which could give a good briefing on the project and take you to see it).

If the Minister can devote a day or two, a very informative itinerary could be developed. S22 we would be happy to provide introductions, or help organize.

From: <Joyce>, "Joyce, Tonja GCPE:EX"
<Tonja.Joyce@gov.bc.ca<<mailto:Tonja.Joyce@gov.bc.ca>>>
To: Bernd Henzler <ben.henzler@bcfii.ca<<mailto:ben.henzler@bcfii.ca>>>
Subject: Request: Europe Trip (2).docx

Hi Ben,

I am putting together a schedule for Minister Coleman's trip to London and Europe. Are you able to provide more information about the opportunities Finance has provided - what the opportunity is and a contact.

Thanks,

Tonja

Tonja Joyce

Senior Public Affairs Officer

Ministry of Energy and Mines

E-mail: Tonja.Joyce@gov.bc.ca <<mailto:Tonja.Joyce@gov.bc.ca>>

Phone: (250) 952-0559

S17

Fax: (250) 952-0627

MEETING NOTE

MEETING WITH: Waugh Thistleton Architects Ltd.

WHO: Andrew Waugh

CONNECTIONS TO BC:

- Tour will include three tall wood buildings. British Columbia introduced mid-rise wood frame residential construction in 2009.

DESIRED OUTCOME:

- An opportunity to tour buildings that exceed the six-storeys permitted under the B.C. Building Code. The buildings are all constructed from Cross-Laminated Timber, which is increasingly being used in residential and commercial buildings in B.C, but is not yet recognized in the BC Building Code.

KEY POINTS:

- B.C. is the only Canadian province to allow wood-frame residential buildings up to six-storeys.
- B.C. submitted the 6 storey residential wood frame project for inclusion in future editions of the National Code and has been working with the national code centre on these proposed changes.

BACKGROUND:

- Under the current BC Building Code and the 2012 edition the Code allows:
 - For residential buildings, wood-frame construction up to 6 storeys (18 metres max.) with a maximum of 7200 sq. metres of floor space (or 1200 sq.m per floor at six-storeys).
 - For mixed use, commercial or academic facilities:
 - Exhibition space, lecture theatre, classrooms: limited to 2 storeys, footprint of 2400 sq.m.
 - Mercantile space for tenants: limited to 2 storeys with a footprint of 3600 sq.m.
 - Administrative and academic offices: limited to 4 storeys.

S22

Whitmore Road, London

Architect: Waugh Thistleton Architects Ltd.

Adjacent to the Whitmore Bridge over Regents Canal, this is a mixed use seven storey building. It provides two floors of office space, a double height photographic studio, and three triplex apartments opening onto generous roof terraces.

The cross-laminated timber structure was erected in five weeks. The building form illustrates the structural capabilities of pre-fabricated timber panels. At the centre of the building, the double height studio spans 9m and stretches to 23m of open column free space. This is achieved by the walls acting as beams and the party walls in the apartments above acting as trusses.

The practice's extensive experience with timber construction has allowed us to push the boundaries of timber design... and so for good measure we then cantilevered the timber building 1.5m over the canal.

The cladding is British Sweet Chestnut, a traditional British barn cladding timber – hard wearing and durable.

Timber reveals give depth to the elevations, and the large windows provide lovely north light and canal views to the studio and offices. The four strong client cooperative are due to inhabit the building in summer 2012.

Further Information/Case Study:

http://eoinc.weebly.com/uploads/3/0/5/1/3051016/murray_grove_case_study.pdf

Murray Grove, London

Architect: Waugh Thistleton Architects Ltd.

The world's tallest modern timber residential building.

Constructed from cross-laminated timber panels from the first floor upwards, Stadthaus is the tallest modern timber structure in the world. The nine-storey building is the first of this height to construct load bearing walls and floor slabs as well as stair and lift cores entirely from timber.

Commissioned by Metropolitan Housing Trust and developed by housebuilder Telford Homes, the tower houses 29 apartments with a neighbourhood office on the ground floor.

The unique structure of the building is a result of the practice's research in reducing the carbon emissions not only of the finished building but of the whole build process.

The production of concrete and steel are very energy intensive, pumping tons of carbon dioxide into the atmosphere. In complete contrast timber stores carbon as it grows, meaning that this building stores 186 tonnes of carbon within its structure for its lifetime.

The entire building was completed within forty-nine weeks.

Upon its completion the building had zero defects and 100% tenants approval successfully demonstrating that solid timber construction is a financially viable, environmentally sustainable and beautiful replacement for concrete and steel in high-density housing.

Bridport House, London, UK

Bridport House marks the first time that cross-laminated timber (CLT) has been chosen in the UK for an entire multi-storey structure, including the ground floor, which is traditionally constructed from concrete.

In Bridport House, solid timber is successfully combined with other building materials such as brick, aluminium and copper, which were used in the architectural details.

Considered one of the tallest residential timber structures in the world, the building replaces an old block of flats built in the 1950s.

Commissioned by the London Borough of Hackney and designed by Karakusevic Carson Architects, Bridport House offers altogether 41 maisonettes and apartments. Generous balconies with excellent daylight are provided in all 33 apartments located on the upper floors. All of the ground-floor family apartments have private patio gardens.

Project facts

Building type: Multi-storey residential building with 41 units

Location: Bridport Place, Hackney, London

Owner: London Borough of Hackney

Architect: Karakusevic Carson Architects

Main Contractor: Willmott Dixon Ltd

Wood construction and assembly: EURBAN Ltd

Quantity of CLT: 1,100 CLT boards, about 1,576 m³, 30 deliveries

Construction time: 12 weeks, from October to November 2010

For more information:

http://www.karakusevic-carson.com/wp-content/uploads/2011/03/120509_Bridport-House-east-London-by-Karakusevic-Carson-Architects--Building-Studies--Building-Design.pdf

Purewall, Dar OHCS:EX

From: Smith, Shannon M OHCS:EX
Sent: Wednesday, August 8, 2012 11:24 AM
To: Kuan, Steven Y OHCS:EX; Rotgans, Trudy OHCS:EX
Subject: RE: Meeting Note

Hi Steven,
As requested.

Here is the version with BSSB's comments (note this is not the version that went forward to the Minister).



I5715 - Tall Wood
Buildings --...

Here is the version that Maryann sent to the Minister



I5715 - Tall Wood
Buildings - ...

Is this the one you required?

Thank you.

Shannon Smith

Building and Safety Standards Branch | Phone: 250-387-3133 | Fax: 250-387-8164 | Email: Shannon.Smith@gov.bc.ca

From: Kuan, Steven Y OHCS:EX
Sent: Wednesday, August 8, 2012 10:27 AM
To: Smith, Shannon M OHCS:EX
Subject: Meeting Note

Hi Shannon,

Could you dig up the meeting note that was prepared a couple of weeks ago for Minister Coleman's meeting with the architect in London? Then send a copy to me and Trudy.

Thanks.

Steven

Whitmore Road, London

Architect: Waugh Thistleton Architects Ltd.

Adjacent to the Whitmore Bridge over Regents Canal, this is a mixed use seven storey building. It provides two floors of office space, a double height photographic studio, and three triplex apartments opening onto generous roof terraces.

The cross-laminated timber structure was erected in five weeks. The building form illustrates the structural capabilities of pre-fabricated timber panels. At the centre of the building, the double height studio spans 9 metres and stretches to 23 metres of open column free space. This is achieved by the walls acting as beams and the party walls in the apartments above acting as trusses.

The practice's extensive experience with timber construction has allowed us to push the boundaries of timber design... and so for good measure we then cantilevered the timber building 1.5 metres over the canal.

The cladding is British Sweet Chestnut, a traditional British barn cladding timber – hard wearing and durable.

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Further Information/Case Study:

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Murray Grove, London

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The world's tallest modern timber residential building.

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Commissioned by the London Borough of Hackney and designed by Karakusevic Carson Architects, Bridport House offers altogether 41 maisonettes and apartments. Generous balconies with excellent daylight are provided in all 33 apartments located on the upper floors. All of the ground-floor family apartments have private patio gardens.

The £6 million Bridport House is the first social housing block to be constructed in the London borough of Hackney for 45 years.

Project facts

Building type: Multi-storey residential building with 41 units

Location: Bridport Place, Hackney, London

Owner: London Borough of Hackney

Architect: Karakusevic Carson Architects

Main Contractor: Willmott Dixon Ltd

Wood construction and assembly: EURBAN Ltd

Quantity of cross-laminated timber: 1,100 cross-laminated timber boards, about 1,576 m³, 30 deliveries

Construction time: 12 weeks, from October to November 2010

MEETING NOTE

MEETING WITH: Waugh Thistleton Architects Ltd.

WHO: Andrew Waugh

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 - Exhibition space, lecture theatre, classrooms: limited to 2 storeys, footprint of 2400 sq.m.
 - Mercantile space for tenants: limited to 2 storeys with a footprint of 3600 sq.m.
 - Administrative and academic offices: limited to 4 storeys.
- Andrew Waugh S22 Michael Green, the Vancouver architect who prepared a report for JTI in 2011 (*The Case for Tall Wood Buildings*) which aimed to "demonstrate that a tall building can effectively and affordably be constructed of mass wood materials without compromising the fundamental principles of the Code"
 - The report focused on Mass Timber construction. Primarily:
 - Cross Laminated Timber (CLT): made from layers of solid wood
 - Laminated Strand Lumber (LSL): made from a matrix of thin chips
 - Laminated Veneer Lumber (LVL): made from thin layers of wood similar to that of plywood

S22

Whitmore Road, London

Architect: Waugh Thistleton Architects Ltd.

Adjacent to the Whitmore Bridge over Regents Canal, this is a mixed use seven storey building. It provides two floors of office space, a double height photographic studio, and three triplex apartments opening onto generous roof terraces.

The cross-laminated timber structure was erected in five weeks. The building form illustrates the structural capabilities of pre-fabricated timber panels. At the centre of the building, the double height studio spans 9m and stretches to 23m of open column free space. This is achieved by the walls acting as beams and the party walls in the apartments above acting as trusses.

The practice's extensive experience with timber construction has allowed us to push the boundaries of timber design... and so for good measure we then cantilevered the timber building 1.5m over the canal.

The cladding is British Sweet Chestnut, a traditional British barn cladding timber – hard wearing and durable.

Timber reveals give depth to the elevations, and the large windows provide lovely north light and canal views to the studio and offices. The four strong client cooperative are due to inhabit the building in summer 2012.

Further Information/Case Study:

http://eoinc.weebly.com/uploads/3/0/5/1/3051016/murray_grove_case_study.pdf

Murray Grove, London

Architect: Waugh Thistleton Architects Ltd.

The world's tallest modern timber residential building.

Constructed from cross-laminated timber panels from the first floor upwards, Stadthaus is the tallest modern timber structure in the world. The nine-storey building is the first of this height to construct load bearing walls and floor slabs as well as stair and lift cores entirely from timber.

Commissioned by Metropolitan Housing Trust and developed by housebuilder Telford Homes, the tower houses 29 apartments with a neighbourhood office on the ground floor.

The unique structure of the building is a result of the practice's research in reducing the carbon emissions not only of the finished building but of the whole build process.

The production of concrete and steel are very energy intensive, pumping tons of carbon dioxide into the atmosphere. In complete contrast timber stores carbon as it grows, meaning that this building stores 186 tonnes of carbon within its structure for its lifetime.

The entire building was completed within forty-nine weeks.

Upon its completion the building had zero defects and 100% tenants approval successfully demonstrating that solid timber construction is a financially viable, environmentally sustainable and beautiful replacement for concrete and steel in high-density housing.

Bridport House, London, UK

Bridport House marks the first time that cross-laminated timber (CLT) has been chosen in the UK for an entire multi-storey structure, including the ground floor, which is traditionally constructed from concrete.

In Bridport House, solid timber is successfully combined with other building materials such as brick, aluminium and copper, which were used in the architectural details.

Considered one of the tallest residential timber structures in the world, the building replaces an old block of flats built in the 1950s.

Commissioned by the London Borough of Hackney and designed by Karakusevic Carson Architects, Bridport House offers altogether 41 maisonettes and apartments. Generous balconies with excellent daylight are provided in all 33 apartments located on the upper floors. All of the ground-floor family apartments have private patio gardens.

Project facts

Building type: Multi-storey residential building with 41 units

Location: Bridport Place, Hackney, London

Owner: London Borough of Hackney

Architect: Karakusevic Carson Architects

Main Contractor: Willmott Dixon Ltd

Wood construction and assembly: EURBAN Ltd

Quantity of CLT: 1,100 CLT boards, about 1,576 m³, 30 deliveries

Construction time: 12 weeks, from October to November 2010

For more information:

http://www.karakusevic-carson.com/wp-content/uploads/2011/03/120509_Bridport-House-east-London-by-Karakusevic-Carson-Architects--Building-Studies--Building-Design.pdf

Musgrove, Kate MEM:EX

From: Hynes, Michelle GCPE:EX
Sent: Friday, July 20, 2012 11:49 AM
To: Morel, David P MEM:EX; Musgrove, Kate MEM:EX
Cc: Joyce, Tonja GCPE:EX
Subject: Anglo-American Meeting Times USE THIS EMAIL

Importance: High

So, so sorry David, about all the time changes!

Below is **DRAFT** schedule for the **27th (Friday)** in London FYI. It was adjusted because of location and logistics. Anglo-American's office is close to Trafalgar Sq and fits in the **1:30-2:30/3:00** meeting times.

The suggested time for the **31st (Tuesday)** is still fine (**after 3:30pm**).

Let me know how you make out and if I can help at all. Apparently MO wants this meeting to happen.

Thanks again!

Michelle

Michelle Hynes
Public Affairs Officer I Government Communications and Public Engagement
Ministry of Energy and Mines
Mailto: Michelle.Hynes@gov.bc.ca

From: Joyce, Tonja GCPE:EX
Sent: Fri, July 20, 2012 11:16 AM
To: XT:Fyne, Rolf JTI:IN
Cc: Hynes, Michelle GCPE:EX
Subject: Calling you on this...

July 27th

Eggborough Power UK: Converting 200MW of coal fired generation assets to 100% biomass firing. Seeking offtake agreements from the province of up to 2 million tonnes/annually implying major expansion of pellet production in the province through Eggborough JVs with B.C. producers. Total biomass demand will be about 6 million tonnes annually.
Possible meeting 9:00 – 10:00a.m.

Location TBC?

HSBC – possible meeting to be confirmed 11 a.m. - 12 p.m. - for update on Euro capital markets and outlook for Eurozone

Location: 8 Canada Square, Canary Wharf

Canada House Reception TBD 12:00 – 1:00 p.m.

Location: Trafalgar Square

Anglo American Corp: Has recently completed the acquisition of Peace River Coal with 1 billion tonnes of metallurgical coal reserves and will be producing 3.5million tonnes/annum by 2015. – **possible meeting after 1:30 – 2:30 p.m. or July 31 3:30 p.m.**

Location: Trafalgar Square

Drax: Plan on 50% biomass co-firing over 4,000MW of coal fired assets. Already using 600,000 tonnes/annum of B.C. pellets and plan on increasing volumes from B.C. Willing to invest in JVs with B.C. pellet producers to secure long-term offtake agreements. Total biomass demand will be around 6 million tonnes annually. **Possible meeting 4:00 – 5:00 p.m.**

Location TBC?

London 2012 opening ceremonies 7:30 p.m. TBC

Musgrove, Kate MEM:EX

From: Hynes, Michelle GCPE:EX
Sent: Friday, July 20, 2012 8:58 AM
To: Morel, David P MEM:EX; Musgrove, Kate MEM:EX
Subject: RE: Anglo-American follow up

When you are talking with him - I will need:

Address/London
Contact Number/London
Date/Time for the meeting

If there are any security details that need to be worked out.

Thanks!
Michelle

Michelle Hynes
Public Affairs Officer I Government Communications and Public Engagement Ministry of Energy
and Mines Mailto: Michelle.Hynes@gov.bc.ca

-----Original Message-----

From: Morel, David P MEM:EX
Sent: Friday, July 20, 2012 8:57 AM
To: Musgrove, Kate MEM:EX; Hynes, Michelle GCPE:EX
Subject: RE: Anglo-American follow up

I can give him a call this am to confirm. What is the number?

-----Original Message-----

From: Musgrove, Kate MEM:EX
Sent: Fri, July 20, 2012 8:51 AM
To: Hynes, Michelle GCPE:EX
Cc: Morel, David P MEM:EX
Subject: RE: Anglo-American follow up

I call AngloAmerican yesterday. Federico left me a message late last night. I have in turn left a message to him this morning. I had indicated the two dates: July 27 or July 31 (morning). David, did you want me to continue this conversation with Federico, or would you prefer to speak directly to him yourself? In his message this morning he indicated they would be pleased to see the Minister, and wanted to tee up the dates, etc.

-----Original Message-----

From: Hynes, Michelle GCPE:EX
Sent: Thursday, July 19, 2012 4:49 PM
To: Musgrove, Kate MEM:EX
Cc: Morel, David P MEM:EX
Subject: Anglo-American follow up

Hi there - any word back about a possible meeting with Anglo-American in London with the Minister?

Can we touch base in the morning?

Thx,
M

Michelle Hynes
Public Affairs Officer, Ministry of Energy & Mines

Sent from my mobile device

Musgrove, Kate MEM:EX

From: Hynes, Michelle GCPE:EX
Sent: Thursday, July 19, 2012 9:37 AM
To: Morel, David P MEM:EX
Cc: Musgrove, Kate MEM:EX
Subject: RE: Olympics events

Please let me know if you hear back from Anglo-American. Or if you need me to help in any way.

Thanks!
M.

Michelle Hynes
Public Affairs Officer I Government Communications and Public Engagement
Ministry of Energy and Mines
Mailto: Michelle.Hynes@gov.bc.ca

From: Morel, David P MEM:EX
Sent: Wednesday, July 18, 2012 4:10 PM
To: Hynes, Michelle GCPE:EX
Cc: Musgrove, Kate MEM:EX
Subject: RE: Olympics events

I can let Vancouver staff know.

David Morel
Assistant Deputy Minister
Mines and Mineral Resources

From: Hynes, Michelle GCPE:EX
Sent: Wednesday, July 18, 2012 3:45 PM
To: Morel, David P MEM:EX
Cc: Musgrove, Kate MEM:EX
Subject: FW: Olympics events

Hi David – MO would like to arrange a meeting with Anglo-American while he is in London. Either July 27 later in the day (not too early as he would have just got in) or July 31 in the morning.

Who would be best to look after this?

Thanks!
Michelle

Michelle Hynes
Public Affairs Officer I Government Communications and Public Engagement
Ministry of Energy and Mines
Mailto: Michelle.Hynes@gov.bc.ca

From: Joyce, Tonja GCPE:EX
Sent: Wednesday, July 18, 2012 3:41 PM
To: Hynes, Michelle GCPE:EX
Subject: FW: Olympics events

Hi Michelle,

Is there anyone in Mining that can help arrange a meeting with Anglo America Corp while he is in London next at the end of July.

Anglo American Corp: Has recently completed the acquisition of Peace River Coal with 1 billion tonnes of metallurgical coal reserves and will be producing 3.5million tonnes/annum by 2015.

The Minister is available:

- July 27 – one to two meetings – not an early start as he will still be jet lagged
- July 31 – one to two morning meetings

I understand that it is late notice, please do what you can.

Thanks,

Tonja

From: Cagic, Nina JTI:EX
Sent: Wednesday, July 18, 2012 2:30 PM
To: Joyce, Tonja GCPE:EX
Cc: Gensey, Guy MEM:EX; Machan, Troy JTI:EX
Subject: RE: Olympics events

Tonja,

- We will reach out to Eggborough and Drax.
- Anglo American – they have a Vancouver office and I will guess that MEM has the best local contacts and can work through them. If there are issues, you can let me know and we can try other routes.
- HSBC and CIBC were proposed by Darshi Klear, Ministry of Finance. They are institutional investors in the province and played host to Minister Falcon in September 2011 during his investor roadshow to Europe – hence, best handled by Finance.

Hopefully this makes sense to all.

Nina

From: Joyce, Tonja GCPE:EX
Sent: Wednesday, July 18, 2012 1:09 PM
To: Cagic, Nina JTI:EX
Cc: Gensey, Guy MEM:EX
Subject: RE: Olympics events

Hi Nina,

That would be good if you could, thanks. I have left you a message about the company/bank opportunities that Minister Coleman is interested in pursuing in London. Are you able to book appointments for the following:

- Anglo American Corp
- Eggborough Power UK
- Drax
- HSBC
- CIBC

The Minister is available:

- July 27 – one to two meetings – not an early start as he will still be jet lagged
- July 31 – one to two morning meetings – booked in the afternoon

I understand that it is late notice and he will not be able to meet with all the companies. Please do what you can. Please call me if you have any questions.

Thanks,

Tonja

From: Cagic, Nina JTI:EX
Sent: Wednesday, July 18, 2012 11:16 AM
To: Joyce, Tonja GCPE:EX
Cc: Gensey, Guy MEM:EX
Subject: FW: Olympics events

Tonja,

Guy asked the other day if we knew of any other general Olympic events/ receptions that the Minister could attend in the timeframe. Susan Haird, who will take over as Managing Director of the BC Trade and Invest office in London in September has advised that UKTI is organizing energy days at their 'British Business Embassy' on 6 August -power/ renewables- and 7 August- extractive.

Let me know if this might be of interest and we can help to get you more details.

On another topic, is there any one company meeting that Minister Coleman is still considering – BG and Arcelor Mittal top the list.

All the best,
Nina

Nina Cagic
Americas and Europe Section
International Trade and Investment Attraction
Ministry of Jobs, Tourism and Innovation

Suite 730 - 999 Canada Place
Vancouver, BC, Canada, V6C 3E1

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Cell: +1 (604) 561-8960
nina.cagie@gov.bc.ca
www.britishcolumbia.ca

Musgrove, Kate MEM:EX

From: Anderson, Maryann GCPE:EX
Sent: Wednesday, July 25, 2012 2:45 PM
To: 'Velasquez, Federico'
Cc: Musgrove, Kate MEM:EX
Subject: RE: Minister's Meeting with AngloAmerican

Hi,
Tobie Myers, the Minister's MA will be with him at the dinner.
I will be able to send you her contact info once we finalize the details.
Thanks again for your help.

Maryann Anderson

Communications | Ministry of Energy and Mines, Minister Responsible for Housing
p: 250 952-0152
w: www.housing.gov.bc.ca

From: Velasquez, Federico [mailto:Federico.Velasquez@angloamerican.com]
Sent: Wednesday, July 25, 2012 2:40 PM
To: Anderson, Maryann GCPE:EX
Cc: Musgrove, Kate MEM:EX
Subject: RE: Minister's Meeting with AngloAmerican

Thank you Maryann,

I'll make the appropriate arrangements given the information provided. Will Min. Coleman bring his Ministerial Assistant to the dinner? If so, may I have his/her contact details?

Kind regards,

Federico G. Velásquez

AngloAmerican
D: +1 604 699 6696
M: +1 604 813 8333

From: Anderson, Maryann GCPE:EX [mailto:Maryann.Anderson@gov.bc.ca]
Sent: July 25, 2012 2:14 PM
To: Velasquez, Federico; Musgrove, Kate MEM:EX
Subject: RE: Minister's Meeting with AngloAmerican

Hi,
Success! Looks like a dinner meeting on the 31st.
Can you please confirm the date still works for you and provide a time (assume around 7:00? but you can let me know for sure).
I am hoping of course that you will select the restaurant... no rush to confirm that today – but for location, he is staying in Central London (Pimlico neighbourhood) – so somewhere in that vicinity is preferred.
Call me if there are any questions.

Thanks so much to both of you for all your help.
Maryann

Maryann Anderson

Communications | Ministry of Energy and Mines, Minister Responsible for Housing
p: 250 952-0152
w: www.housing.gov.bc.ca

From: Velasquez, Federico [mailto:Federico.Velasquez@angloamerican.com]
Sent: Wednesday, July 25, 2012 10:09 AM
To: Musgrove, Kate MEM:EX
Cc: Anderson, Maryann GCPE:EX
Subject: RE: Minister's Meeting with AngloAmerican
Importance: High

Hi Kate,

I just made a number of quick calls and we have Mark coming from Brisbane on the 29th which is the same date I'm arriving. Would the 1st work or any, any, other time on the 31st? Even the afternoon of the 30th would be an option.

We could also arrange a dinner meeting on the 30th or 31st if preferable.

Kind regards,

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From: Musgrove, Kate MEM:EX [mailto:Kate.Musgrove@gov.bc.ca]
Sent: July 25, 2012 9:51 AM
To: Velasquez, Federico
Cc: Anderson, Maryann GCPE:EX
Subject: RE: Minister's Meeting with AngloAmerican

Hi Federico, thank you so much for the information. Is there any possibility that the meeting could be held Friday, July 27 around 1:30 – 2:30? Apparently the 31st is not available.

My apologies.

Best regards,

Kate

From: Velasquez, Federico [mailto:Federico.Velasquez@angloamerican.com]
Sent: Tuesday, July 24, 2012 3:08 PM
To: Musgrove, Kate MEM:EX
Cc: Anderson, Maryann GCPE:EX
Subject: RE: Minister's Meeting with AngloAmerican

Hi Kate,

I was just going to email you. Here' the info requested:

Date and Time:

As per the Minister's Office suggestion we will be having the meeting on Tuesday, July 31st @ 15:30 hrs.

Location:

We will have the meeting at the Anglo American House. Here's the Address (we are minutes away from the Canada House at Trafalgar Square:

Anglo American plc
20 Carlton House Terrace
London SW1Y 5AN
United Kingdom

Presence:

Minister Coleman will be meeting with the following Anglo American senior executives:

1. Mark Heathen – Head Open Cut Operations for Met. Coal, Global
2. Jonathan Samuel - Head of Social Performance, Global
3. Hugh Elliot – Head Government Relations, Global
4. Federico Velasquez – Director of Corporate Affairs, Canada

I assume, Min. Coleman will have support from someone during his visit to our London Corporate Office, if so would you kindly provide me with the name/s, please?

Agenda:

And here's the agenda we are proposing:

1. Introductions
2. Met Coal in BC update (improvement at Trend, Roman EA and importance of NoW)
3. The importance of maintaining our Social License to Operate
4. New business

Are there any other topics that the Min would like to include in the agenda?

Kind regards,

Federico G. Velásquez
Director, Corporate Affairs



E: Federico.Velasquez@angloamerican.com

D: +1 604 699 6696

M: +1 604 813 8333

Skype: Federico_Velasquez

METALLURGICAL COAL

PEACE RIVER COAL INC.

Suite 800 – Pender Place

700 West Pender Street

Vancouver BC, Canada V6E 2E9

www.angloamerican.com

www.peacerivercoal.com

A member of the Anglo American plc group

From: Musgrove, Kate MEM:EX [mailto:Kate.Musgrove@gov.bc.ca]

Sent: July 24, 2012 2:38 PM

To: Velasquez, Federico

Cc: Anderson, Maryann GCPE:EX

Subject: Minister's Meeting with AngloAmerican

Hi Federico, no pressure. Just wondered if you had any word yet on who/what/where for the Minister's meeting.

Best regards,

Kate Musgrove

Executive Assistant to

David Morel, Assistant Deputy Minister

Ministry of Energy and Mines

Mines and Mineral Resources Division

250.952.0470

Musgrove, Kate MEM:EX

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Federico G. Velásquez
Director, Corporate Affairs



E: Federico.Velasquez@angloamerican.com

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Skype: Federico_Velasquez

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Kate Musgrove

Executive Assistant to

David Morel, Assistant Deputy Minister

Ministry of Energy and Mines

Mines and Mineral Resources Division

250.952.0470

Musgrove, Kate MEM:EX

From: Hynes, Michelle GCPE:EX
Sent: Friday, July 20, 2012 11:49 AM
To: Morel, David P MEM:EX; Musgrove, Kate MEM:EX
Cc: Joyce, Tonja GCPE:EX
Subject: Anglo-American Meeting Times USE THIS EMAIL

Importance: High

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Thanks again!

Michelle

Michelle Hynes
Public Affairs Officer I Government Communications and Public Engagement
Ministry of Energy and Mines
Mailto: Michelle.Hynes@gov.bc.ca

From: Joyce, Tonja GCPE:EX
Sent: Fri, July 20, 2012 11:16 AM
To: XT:Fyne, Rolf JTI:IN
Cc: Hynes, Michelle GCPE:EX
Subject: Calling you on this...

July 27th

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Possible meeting 9:00 – 10:00a.m.

Location TBC?

HSBC – possible meeting to be confirmed 11 a.m. - 12 p.m. - for update on Euro capital markets and outlook for Eurozone

Location: 8 Canada Square, Canary Wharf

Canada House Reception TBD 12:00 – 1:00 p.m.

Location: Trafalgar Square

Anglo American Corp: Has recently completed the acquisition of Peace River Coal with 1 billion tonnes of metallurgical coal reserves and will be producing 3.5million tonnes/annum by 2015. – **possible meeting after 1:30 – 2:30 p.m. or July 31 3:30 p.m.**

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Location TBC?

London 2012 opening ceremonies 7:30 p.m. TBC

Musgrove, Kate MEM:EX

From: Hynes, Michelle GCPE:EX
Sent: Wednesday, July 18, 2012 10:22 AM
To: Morel, David P MEM:EX
Cc: Musgrove, Kate MEM:EX; Madu, Bruce MEM:EX
Subject: RE: Following up - Pan-Canadian Mining Day

Minister is speaking..... Bruce apparently already has a technical report and is aware. I just need to make sure that I haven't forgotten any topic that needs to be discussed. I did get a list of topic suggestions from the Canadian Consulate already. So went with this.

JTI is not involved.

Hope this clarifies.

Cheers!
M.

Michelle Hynes
Public Affairs Officer | Government Communications and Public Engagement
Ministry of Energy and Mines
Mailto: Michelle.Hynes@gov.bc.ca

From: Morel, David P MEM:EX
Sent: Wednesday, July 18, 2012 10:19 AM
To: Hynes, Michelle GCPE:EX
Cc: Musgrove, Kate MEM:EX; Madu, Bruce MEM:EX
Subject: RE: Following up - Pan-Canadian Mining Day

Can we clarify, with JTI who is speaking at this event. If it is Minister, Bruce can you take a go through of this speech and make sure it is appropriate for the audience.

Thanks

David Morel
Assistant Deputy Minister
Mines and Mineral Resources

From: Hynes, Michelle GCPE:EX
Sent: Wednesday, July 18, 2012 8:42 AM
To: Morel, David P MEM:EX
Cc: Musgrove, Kate MEM:EX
Subject: Following up - Pan-Canadian Mining Day

Hi David – just following up on the attached speaking notes for the Pan-Canadian Mining Day in London that I sent on Friday. I would like to get these up to the Minister's office today if possible.

Thanks!

Michelle

Michelle Hynes
Public Affairs Officer | Government Communications and Public Engagement
Ministry of Energy and Mines
6th Floor, 1810 Blanshard Street | Victoria, BC V8W 9N3
Phone 250 952-0650
Cel | **Fax** 250 952-0627
Mailto: Michelle.Hynes@gov.bc.ca

Musgrove, Kate MEM:EX

From: Hynes, Michelle GCPE:EX
Sent: Friday, July 13, 2012 9:00 AM
To: Morel, David P MEM:EX
Cc: Musgrove, Kate MEM:EX
Subject: FOR APPROVAL SN_MRC_Pan-CanadianMiningDay_London_July 30 2012drftv2 prgm
Attachments: SN_MRC_Pan-CanadianMiningDay_London_July 30 2012drftv2 prgm.doc

Hi David – as noted the other day here are the speaking notes for the Minister's trip to London and for the Pan-Canadian Mining Day. I have selected some high-level topics which should cover us off and have run this through Stewart and I believe that he has also checked everything off with his group. For your approval.

We are trying to get this to the Minister's office by mid-week next week.

FYI – I am off Monday and Tuesday next week. Let me know if you have any questions.

Thanks!
Michelle

Michelle Hynes
Public Affairs Officer | Government Communications and Public Engagement
Ministry of Energy and Mines
6th Floor, 1810 Blanshard Street | Victoria, BC V8W 9N3
Phone 250 952-0650
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Mailto: Michelle.Hynes@gov.bc.ca

Speaking Notes

**Hon. Rich Coleman
Minister of Energy and Mines and
Minister Responsible for Housing**

Pan-Canadian Mining Day

**Canada House
Trafalgar Square
London, UK**

**July 30, 2012
2:10 p.m.**

Speaking Engagement: What is it?

- Pan-Canadian Mining Day celebration during the 2012 Olympic Summer Games in London, UK
- Canada and the provinces of British Columbia, Ontario and Quebec are having a Canadian mining industry event and reception

Audience: Who will be there?

- Mining industry leaders and representatives
- Canadian Consulate Staff
- Other officials
- Approx 60 guests
- Local (UK) and International media (possibly)

Event Details:

- 20 minute speech at approximately 2:10 p.m.
- Speakers are asked to arrive by 1:30 p.m.
- TBC will M/C the event and introduce the Minister.
- Q&A will take place for 10 minutes after speaking.

Program

14:00 – 14:10	Introduction – Brian Parrott, Senior Trade Commissioner, High Commission of Canada
14:10 – 14:55	British Columbia: Opportunities to Explore Honourable Rich Coleman, Minister of Energy and Mines, Government of British Columbia
14:55 – 15:40	Mineral Exploration and Development in Ontario Michael Stewart, Counsellor, Commercial, Ontario International Marketing Centre
15:40 – 16:00	Break for networking
16:00 – 18:00	Québec: The Plan Nord Québec Government Representative Dr. Matthew Coon Come, Grand Chief of the Grand Council of the Crees (Eeyou Istchee) Ghislain Poirier, Vice-President, Public Affairs, Stornoway Diamond Corporation
18.00 – 20:00	Reception, featuring Julie Payette, Canadian Astronaut, introduced by Gordon Campbell, Canadian High Commissioner

- Premier

Introduction to Mining

- BC has some of the best mining products in the world
- Mineral exploration and mining industry are important economic drivers in B.C.
- Currently have 19 operating major mines – 9 metal and 10 coal

- Mining is one of B.C.'s safest heavy industries
- Latest stats show no mining-related fatality in BC since September 2009 which is the longest period of time without fatalities since 1898
- In 2011 the production value of the mining industry rose by 20 per cent over the previous year to \$8.6 billion.

- In May PricewaterhouseCoopers reported a 25 per cent increase in gross mining revenues, up \$2 billion to \$9.9 billion in 2011 from \$7.9 billion in 2010

Mining – Jobs Plan

- In 2011, 29,000 people were employed in mineral exploration, mining and related sectors mostly in rural B.C.

- More than 15,000 job openings are expected in mineral exploration and mining sector by 2020

- Plan commits eight new mines will open and nine will expanded by 2015. This results in:
 - an increase annual mine-operation revenue by \$1.6 billion;
 - Approximately 2,000 construction jobs;
 - 2,000 new direct jobs and 3,000 indirect jobs;
 - sustain 12,500 existing jobs (5,000 direct and 7,500 indirect); and

- over \$150 million annually in government revenue.
- In addition to Copper Mountain Mine, which began production in June 2011, one new mine recently began production, another is under construction and two more have been permitted with construction expected to start this year:
 - Mt Milligan Copper-Gold Mine, expected to begin production in the second half of 2013
 - New Afton Copper-Gold-Silver Mine, has now begun production

- Bonanza Ledge Gold Mine is now moving forward with construction
- Treasure Mountain Silver Mine just recently received its Mines Act permit
- Since the Jobs Plan was released, the Province has approved 5 major expansions of existing mines:
 - Highland Valley Copper Mine
 - Huckleberry Copper-Molybdenum Mine
 - Quinsam Coal Mine
 - Elkview Coal Mine
 - Endako Molybdenum Mine

Mining - Numbers

- B.C.'s exports of base metals worldwide have increased
- Export of mineral products to countries like China and India are on the rise...

- Mining revenues to government in 2011 were a record \$805 million – up \$114 million from 2010 levels
- Employment rose almost 14 per cent
- On our way to additional economic opportunities and thousands of new direct and indirect jobs

Mining - Foreign Investment

- Premier Christy Clark recently returned from second Jobs and Trade Mission to Asia – this time to Japan, Korea and the Philippines
- Trade Missions focus on strengthening relationships, opening doors and setting stage for opportunities
- During the stop in Japan, our mining sector had a couple significant announcements

- JX Nippon and Xstrata Coal announced a \$35 million pre-feasibility study of the Suska Coal Project, located in northern B.C. (Tumbler Ridge and Chetwynd)
- Sumitomo Metal Mining Co. and Imperial Metals Corporation revealed a three-year extension of an existing copper concentrate agreement between the two companies worth \$150 million

- Investments show confidence in our economy, skilled workforce and infrastructure

Mining – Skilled Workforce:

- B.C. has world's largest concentration of professional geoscientists and over 850 mineral exploration and development companies
- As exploration increases, we need more workers for high-paying jobs in mining

- Government is responding to training needs by delivering over \$520 million in labour-market programming to support development of skills needed
- Provided the Association for Mineral Exploration British Columbia (AME BC), the Mining Association of British Columbia, the Aggregate Producers Association of British Columbia and industry partners with \$1 million to develop and implement

human resource strategies to meet the increasing demand for skilled labour

- This funding will help ensure that B.C. has the human resources needed to support growth and sustainability of mining

Mining – Transportation Gateway:

- Important that B.C. mining companies are first in line to deliver product to the growing markets in Asia

- B.C. is Canada's Pacific Gateway to Asia
- \$22 billion already committed, our Pacific Gateway Transportation Strategy 2012-2020 targets another \$25 billion in total investment by 2020. This includes:
 - \$3.1 billion for major road and rail capacity, including new investment of \$700 million in major trade corridors and the Prince Rupert Road, Rail Utility Corridor announced in the BC Jobs Plan

- \$222 million to increase access to natural resources in rural B.C.
- \$3.8 billion to increase bulk and container terminal capacity at ports including the Province's \$50 million commitment to Deltaport Terminal, Road and Rail Improvement Project

Mining – BC is Open for Business

- Our government is making it more efficient to do business in B.C.

- Mineral Titles Online will be upgraded to include coal tenure capabilities
- In 2012 the Province will revise regulations to exempt low-risk exploration and mining activities from requiring Mines Act permits
- The Province and the federal government are working to develop a single, effective environmental assessment process while maintaining the highest standards

- Strategic Agreements with B.C. First Nations will be negotiated to establish response times, shared understanding of decision making and effective engagement for projects
- As the first province in Canada to share mineral tax revenues for new or expanded mines with First Nations, discussion of revenue sharing will commence early in the development of new mines and major expansions

- Our government will work with the Aboriginal Business and Investment Council to facilitate partnerships between the Province, First Nations, and the mineral exploration and mining industry
- B.C. has royalty programs and tax incentives including a federal-provincial corporate tax of 25 per cent, the lowest of the G7 countries

Conclusion

- Number of good reasons why B.C. is a safe, secure place to invest:
 - Triple A credit rating proves that BC is a safe harbour for foreign investment
 - B.C. is Canada's gateway to the Pacific and is strategically located to reach growing global markets
 - Offer attractive tax rates and programs
 - Excellent geological databases, consistently rated among the best in the world
 - BC mining industry is recognized as a world leader in environmental protection

- BC Jobs Plan is a clear commitment to the mining sector
- Revenue generated supports the services we depend on
- Thousands of jobs depend on this industry – which means thousands of families depend on this industry

- Mining helped build this province and will be building our future

-30 -

Not Responsive

From: Jon Kieran [<mailto:Jon.Kieran@edf-en.ca>]
Sent: Friday, July 27, 2012 12:18 PM
To: Bonnyman, Sue MEM:EX; Cutler, Scott MEM:EX
Cc: Cory Basil
Subject: EDF EN Canada Invitation to the Minister to Attend Olympic Events on August 7

Folks,

Just wanted to close the loop with you on this matter.

EDF EN was able to find the Minister a ticket at the last minute, but his schedule can't accommodate the itinerary.

Nevertheless, we look forward to the Minister meeting with EDF EN's President and CEO, Antoine Cahuzac, on August 6 in Paris.

Kind regards,

Jon

Jon W. Kieran, MSc.
Director, Development



EDF EN Canada Inc.
53 Jarvis Street, Ste 300
Toronto, Ontario M5C 2H2
T: 416-216-5881
T: 416.363.8380
F: 416.363.7959
C: 647-993-4411

www.edf-en.ca

From: Anderson, Maryann GCPE:EX [<mailto:Maryann.Anderson@gov.bc.ca>]
Sent: July-27-12 2:30 PM
To: Jon Kieran
Subject: RE:: EDF EN Canada Invitation to the Minister to Attend Olympic Events on August 7

Hi Jon,
Thank you again for the generous offer. Unfortunately, the Minister must send his regrets as he is unable to change his travel arrangements.
He sends his appreciation and is looking forward to meeting with Mr. Antoine Cahuzac in Paris on August 6th.

Thanks again,
Maryann

Maryann Anderson

Communications | Ministry of Energy and Mines, Minister Responsible for Housing
p: 250 952-0152
w: www.housing.gov.bc.ca

From: Jon Kieran
Sent: July-27-12 7:41 AM
To: 'Anderson, Maryann GCPE:EX'
Cc: Al Kurzenhauser (al.kurzenhauser@edf-en.ca); Cory Basil (Cory.Basil@edf-en.ca); Scott.Cutler@gov.bc.ca
Subject: EDF EN Canada Invitation to the Minister to Attend Olympic Events on August 7

Maryann,

It is my pleasure to confirm that EDF EN Canada has secured an invitation for the Minister to attend Olympic events in London on August 7.

The Minister's host in London will be EDF EN President and CEO Antoine Cahuzac, who will meet the Minister in Paris on August 6 at 11:00 am.

The itinerary of the "Olympic day" on August 7 is as follows:

9h30 – Meeting point
10h00 – 10h30 – London eye experience

11h00 – 13h00 – Lunch cruise
14h00 – 18h30 – Olympic Park (free time, EDF events, dinner)
19h00 – 21h30 – Athletics at Olympic Stadium
23h00 – Back to London.

On behalf of EDF EN Canada, we would be delighted if the Minister can attend this exciting and historic day of Olympic events!

Maryann, please let me know the status of the Minister's availability for this itinerary ASAP.

Additional details will be forwarded to the Minister's Office pending confirmation.

Sincere regards,

Jon

Jon W. Kieran, MSc.
Director, Development



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www.edf-en.ca

This email is confidential and may contain privileged information. If you are not an intended recipient, please delete this email and notify us immediately. Any unauthorized use or disclosure is prohibited.

From: Anderson, Maryann GCPE:EX [<mailto:Maryann.Anderson@gov.bc.ca>]
Sent: July-26-12 3:35 PM
To: Jon Kieran
Subject: RE: Paris

Hi Jon,

The Minister is travelling back to London that day – he should be arriving in London in the early afternoon. I don't have access to his schedule for that day right now.

If you can let me know what time the event and meeting are, I will put it forward and see if we can arrange.

Thanks Jon

Maryann Anderson

Communications | Ministry of Energy and Mines, Minister Responsible for Housing

p: 250 952-0152

w: www.housing.gov.bc.ca

From: Jon Kieran [<mailto:Jon.Kieran@edf-en.ca>]
Sent: Thursday, July 26, 2012 12:21 PM
To: Anderson, Maryann GCPE:EX
Subject: RE: Paris

Maryann,

It appears EDF EN may be able to secure a ticket for the Minister to attend an Olympic event on Tuesday, August 7.

Before I explore this option in more detail, could you please advise whether the Minister is available to meet with senior EDF EN management in London on August 7?

A reply at your earliest convenience would be appreciated.

Regards,

Jon



Canada and the provinces of
British Columbia, Ontario and Quebec
invite you to a Canadian mining industry event and reception

Monday, 30th July, 2012 at 2:00pm
Canada House, Trafalgar Square, SW1Y 5BJ
Please refer to the attached programme

RSVP BY 16 JULY, QUOTING 'MINING' IN THE SUBJECT LINE
LDN.2012@INTERNATIONAL.GC.CA

DRESS: BUSINESS ATTIRE



ONTARIO
CANADA

Québec

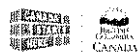




Le Canada et les provinces de la
Colombie-Britannique, de l'Ontario et du Québec
ont le plaisir de vous inviter à une journée et une réception
sur l'industrie minière canadienne

Le lundi 30 juillet 2012 à 14 h
À la Maison du Canada, Trafalgar Square, SW1Y 5BJ

PRIÈRE DE CONFIRMER VOTRE PRÉSENCE PAR COURRIEL À L'ADRESSE SUIVANTE:
LDN.2012@INTERNATIONAL.BC.CA (EN INDIQUANT « MINING » COMME OBJET)
RÉPONSE SOUHAITÉE AVANT LE 16 JUILLET.
TENUE DE VILLE



ONTARIO CANADA Québec



PAN CANADIAN MINING DAY
 July 30th
 Canada House
 Quebec Office
 Primary Contact:
 LAST MODIFIED: 18/07/2012

Yes	No	Event	Title	First Name	Last Name	Organisation	Job Title
1				François-Philippe	Champagne	AMEC plc	
1		Mr.		Duncan	Guy	AMEC plc	Head of Governmental Relations
1				Omar	Davis	Bank of America Merrill Lynch	Director of Mining Investment Banking
1				Caoimhe	Buckley	BHP Billiton	Head of Public Affairs, Europe
1		Mr.		Mark	Florman	British Private Equity & Venture Capital Association	Chief Executive Officer
1				Julie	Payette	Canadian Astronaut	
1		Mr.		Stephen	Meadowcroft	Costain	Operations Director - Tunnels
1				Daniel	Raguenez	Credit Agricole	Managing Director, Global Head of Structured Commodity Finance
1				Nigel	Bacon	CUKCC	Executive Director
1				Wanda	Cutler	Cutler McCarthy	
1				Paul	Fletcher	Deloitte LLP	Practice Senior Partner/ Private Markets
1		Dr.		Richard	Tipper	Ecometrica	CEO
1		Mr.		Thierry	Rodier	EDF	
1		Mr.		Andy	Camfield	Environcorp	
1		Mr.		Mark	Camilleri	Fasken Martineau	Partner
1				Ray	Ingram	Fasken Martineau	
1				Jodi	Katz	Fasken Martineau	Partner
1				Peter	Villani	Fasken Martineau DuMoulin SENCRL/LLP	
1		Ms.		June	Paddock	Fasken Martineau	Partner
1		Ms.		Helen	Sutcliffe	Fasken Martineau	Trainee Solicitor
1		Mr.		Paul	Airley	Flaggate LLP	Partner
1				Richie	Clark	Fox Williams LLP	Partner
1		Ms.		Sophia	Pickles	Global Wintess	
1				Luke	Alexander	GMP Europe	
1		Hon.		Rich	Coleman	Government of British Columbia	Minister of Energy & Mines
1				Tobie	Myers	Government of British Columbia	Ministerial Assistant to the Minister of Energy & Mines
1		Hon.		Bruce	Northrup	Government of New Brunswick	Minister of Natural Resources
1				Sam	McEwan	Government of New Brunswick	Assistant Deputy Minister
1				Charles	Bond	Gowlings	Partner
1				Mark	Ledwell	Gowlings	Managing Partner
1				Dominic	Prentis	Gowlings	Partner
1				Abel	Bosum	Grand Council of the Crees (Eeyou Istchee)	
1		Dr.		Matthew	Coon Come	Grand Council of the Crees (Eeyou Istchee)	Grand Chief
1				John	Hurley	Grand Council of the Crees (Eeyou Istchee)	
1				Marcel	Aubut	Heenan Blaikie	Partner
1		H.E.		Gordon	Campbell	High Commission of Canada	High Commissioner
1				Allison	Goodings	High Commission of Canada	
1		Mr.		Brian	Parrott	High Commission of Canada	Minister-Counselor (Commercial-Economic)
1				Pam	Whittaker	High Commission of Canada	
1				David	McFarlane	Investissement Quebec	Director, London Office
1				Adam	Hart	London Bridge Capital	
1				Elliot	Mannis	London Bridge Capital	Principal
1		Mr.		Robert	Mahalski	Mahalski Partners	
1		Mr.		Tony	Mahalski	Mahalski Partners	
1				Robert J.	Brant	McCarthy Tetrault	Managing Partner
1		Mr.		Achal	Kapila	McCarthy Tetrault	
1				Aleya	Karim	McKinsey & Compagnie	
1		Mr.		Steve	Karpef	Metal Bulletin Focus	Associate Editor
1		Mr.		Lawrence	Williams	Mineweb	Editorial Director
1				Dominic	Mercer	Mining Journal	Deputy editor
1		Mr.		Gareth	Tredway	Mining Journal	Features Editor
1				Jane	Isaacs	Mining World & Coal International	Editor
1				Chris	McMonagie	Mott MacDonald	
1				Lucia	Baldino	Mouvement Desjardins	Directrice
1				Peter	Adams	Murray & Roberts United Kingdom Limited	Chairman
1		Mr.		Ian	Bliss	Northernshield Resources Inc.	President, CEO
1				Amanda	van Dyke	Ocean Equities Ltd	
1				Michael	Stewart	Ontario International Marketing Centre	Senior Economic Officer
1				Andrew	Thompson	Ontario International Marketing Centre	
1		Mr.		Paul	Austin	Pelican Worldwide Ltd.	Partner
1				Isabelle	Blondin	Quebec Government Office	
1				Pierre	Boulanger	Quebec Government Office	
1				David	Brulotte	Quebec Government Office	
1				Tamara	Mehdi	Quebec Government Office	
1				Caroline	Normandin	Quebec Government Office	
1		Ms.		Isabelle	Mignault	Québec International	
1		Mr.		Chad	Molleken	Rainmaker Global Business Development	Managing Director
1		Mr.		Richard	Horrocks-Taylor	RBC Capital Markets	Head of European Mining & Metals Investment Banking
1		Mr.		Jean-Francois	Turgeon	Rio Tinto	Managing Director, Iron and Titanium
1				John	Flexer	Scotia Bank	Managing Director
1				William	Swords	Scotia Bank	MD, Co-Head, corporate Banking Europe
1				Jacques	Daoust	Speaker	
1				Sylvie	Bernier	Speaker (TBC)	
1		Mr.		Grant	Feast	Sprung Structures Ltd	Business Development Manager
1		Mr.		Derek	Linfield	Stikeman Elliot	Manager
1				Ghislain	Poirier	Stornoway Diamond Corporation	Vice-President, Public Affairs
1				Daniel	Belchers	Threadneedle	Commodities - Fund Manager
1				Paul	Chutter	UBS Limited	Associate Director, Equity Sales
1				John	Welch	UKTI	Senior Country Manager, USA/Canada
1				Marcus	Grubb	World Gold Council	Managing Director, Investment

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Pan-Canadian Mining Day



30th July 2012, Canada House

- 14:00 – 14:10 Introduction – Brian Parrott, Senior Trade Commissioner, High Commission of Canada
- 14:10 – 14:55 British Columbia: Opportunities to Explore
Honourable Rich Coleman, Minister of Energy and Mines, Government of British Columbia
- 14:55 – 15:40 Mineral Exploration and Development in Ontario
Michael Stewart, Counsellor, Commercial, Ontario International Marketing Centre
- 15:40 – 16:00 Break for networking
- 16:00 – 18:00 Québec: The Plan Nord
Québec Government Representative
Dr. Matthew Coon Come, Grand Chief of the Grand Council of the Crees (Eeyou Istchee)
Ghislain Poirier, Vice-President, Public Affairs, Stornoway Diamond Corporation
- 18.00 – 20:00 Reception, featuring Julie Payette, Canadian Astronaut,
introduced by Gordon Campbell, Canadian High Commissioner

Energy Day

Logistics:

DATE/TIME:	July 31, 2012 12:00 PM – 3:15 PM
	Minister has no formal role
LOCATION:	Canada House, Trafalgar Square, SW1Y 5BJ
ACCOMPANIED BY:	Tobie Myers, Ministerial Assistant
SECURITY:	Minister and Tobie are on the security list
DRESS CODE:	Business
DIGNITARIES:	High Commissioner Campbell and Premier Redford
MEDIA:	Yes, invited to all the Pan Canadian Days
STAFF SUPPORT:	Bruce Madu
	Contact information TBD
GIFT:	No, it is a relatively formal lunch event

Event Information

EVENT:	Canada and the provinces of British Columbia, Ontario and Quebec are hosting a Canadian energy industry event and reception
KEY EVENT OBJECTIVE:	To communicate the opportunities and good news from B.C. - why it is a good time to invest.
KEY MESSAGES:	<ul style="list-style-type: none">• B.C. is open for business
THEIR INTERESTS:	Investment in B.C. energy

Itinerary:

Time	Details
12:00 – 12:30 PM	Arrival and Reception, Canada Business Club, Canada House
12:40 – 1:30 PM	Luncheon, High Commissioner's Salon, Canada House
1:30 – 1:35 PM	Welcoming remarks: Mr. Gordon Campbell, High Commissioner for Canada
1:35 – 1:50 PM	The Honourable Alison Redford, Q.C., Premier of Alberta speaks
1:50 – 2:05 PM	Mr. Greg Schmidt, President, Energy Council of Canada speaks
2:05 – 2:20 PM	Dr. Vicki Sharpe, President of Sustainable Technology Development Canada speaks
2:20 – 2:30 PM	Panel Q&A's to be moderated by High Commissioner Gordon Campbell
2:30 – 3:15 PM	Coffee and tea served at Networking Reception, Canada Business Club, Canada House

3:15 PM	END of program
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MEETING NOTE:

MEETING WITH ISSEANE Waste Treatment Centre operated by TIRU Group and SITA France

WHO:

ADDRESS AS:

ISSEANE Waste Treatment Centre, Issy-les-Moulineaux, France

- ISSEANE is a multi-stream waste treatment centre part of SYCTOM, the local authority for household waste treatment for Paris and its suburbs.
- The centre includes a 50,000 tonnes recycling centre linked to waste-to-energy (WTE) plant capable of processing 460,000 tonnes of waste.
- The WTE plant generates 200 tonnes/hour of steam, at 50 bars pressure and 400 degrees C and supplies district heating for 182,000 inhabitants in the Paris region.
- The plant has an electrical capacity of 50 MW and generated over 87,000 MWh of electricity in 2011.
- The plant is widely known for its innovative design, as it has been built partially underground and the chimney has been designed in such a way that no large stack is visible on the Paris skyline.
- In 2006 SYCTOM awarded a consortium held by TIRU Group (60%) and SITA France (40%) the contract to operate the ISSEANE facility. The 13-year operating contract is estimated to be €250 million (C\$310 million).

CONNECTIONS TO BC:

- In British Columbia, electricity generated from municipal organic waste used to fuel a WTE facility is considered to be clean or renewable.
- As of April 2012, BC Hydro purchases electricity from 74 clean energy projects: one municipal solid waste project, one energy recovery project, nine biomass projects, and four biogas (landfill gas) projects, along with two wind power projects and numerous hydropower projects.
- BC Hydro has an additional 52 electricity purchase agreements in place for projects that are in development, including: a municipal solid waste project, an energy recovery project, eight biomass projects, and two biogas projects.
- Local governments across British Columbia are considering WTE facilities as a more sustainable alternative to landfills. A major WTE contract is anticipated for Metro Vancouver's solid waste.

DESIRED OUTCOME:

- Advance additional knowledge and investment by French industry and quasi-government groups into British Columbia's and Canada's clean, renewable (WTE) sector.
- Enable British Columbia to maintain and enhance its profile as a leader in clean, renewable energy production and promote broader (Canadian) interests as a willing and able trading partner and a safe, secure investment target.

THEIR POSSIBLE INTEREST:

- Opportunity to learn about investment and information/knowledge exchange opportunities for British Columbian projects.
- Exposure to elected Provincial government.

BACKGROUND:

- SYCTOM currently holds eight facilities that treat and recover the waste of 5.7 million people in 84 member municipalities in greater Paris.
- The TIRU Group (51% held by EDF Group) is one of the leading operators in waste processing in Europe. Backed by experience gained in the market since 1922, the TIRU Group designs, builds and operates waste treatment facilities in France, the United Kingdom, Spain and Canada.
- SITA in France, a subsidiary of SUEZ Environment, has a workforce of more than 18,400 people serving 3,000 local authorities and 55,000 industrial and commercial customers. Its activities cover every type of waste stream, including collection, sorting, the recovery and treatment of non-hazardous and hazardous waste (except for nuclear waste), solid and liquid waste, as well as industrial maintenance and wastewater services.
- EDF Group, one of the three largest energy companies in Europe, holds 51% of TIRU Group. EDF Group's activities include generation, trading, transmission, distribution, supply and other energy services. It has over 38 million customers in Europe, with over 28 million of these in France. It has key business interests in Germany and Italy as well as France and the UK. EDF was founded in 1946. EDF became a public limited company (EDF SA) on November 19, 2004.

PREPARED BY:

Scott Cutler
250-952-0887

REVIEWED AND APPROVED BY:

ADM: Les MacLaren
ADM Office: 250-952-0204
DM: Steve Carr, Deputy Minister

MEETING NOTE:

MEETING WITH BRITISH GAS GROUP PLC (BG GROUP) HEADQUARTERS IN READING, BERKSHIRE, UNITED KINGDOM

WHO: Mr. Rich Coleman and Senior Management of BG Group (Unconfirmed)

ADDRESS AS: Honorable Rich Coleman, Minister of British Columbia (BC)
Ministry of Energy and Mines

- BG Group used to be an active player in BC. In 2004, the company was the 12th largest producer of natural gas in BC with its core operations in the Bubbles, Ojay and Copton/Lynx areas in North Eastern BC (NEBC)
- In 2007, BG Group sold some of its Canadian assets to Progress Energy Limited. After that, BG Group holds 80,233 hectares in the Foothills regions of NEBC
- BG Group participated in two installments of the Infrastructure Royalty Credit Program in 2008 and 2009. The company had two projects approved of which one project was cancelled and the other project was transferred to Canadian Natural Resources Limited
- Presently, BG Group is proposing a liquefied natural gas (LNG) export plant in Prince Rupert, BC. BG Group has entered into an agreement with the Prince Rupert Port Authority to determine the viability of such a project

DESIRED OUTCOME:

- Attract BG Group's investment into BC for the natural gas sector, particularly into LNG facilities and infrastructure
- Promote BC as a global leader in secure and sustainable natural gas investment, development and export through implementing the *Natural Gas Strategy* and *LNG Strategy*
- Learn from BG Group's experience and expertise regarding LNG operations and their interactions with regulatory agencies

THEIR INTERESTS:

- To investigate the potential of developing a LNG export plant in Prince Rupert, BC in order to take advantages of the Province's vast natural gas resources and high Asian prices
- To learn about BC government's strategies in facilitating the LNG development

DISCUSSION:

- LNG feed gas for the potential LNG export project in Prince Rupert would be sourced from North Eastern British Columbia via production in the Horn River and/or Montney basins. Since BG Group has been less active in upstream operations in BC for the past five years, the company is likely to enter into

agreements with other producers in the near future

- This potential LNG export project will require a dedicated pipeline (including compressor stations) to connect to producing fields, and BG Group is currently evaluating alternative route options
- BC is facilitating LNG development by carrying on the *BC Jobs Plan* and implementing the *Natural Gas Strategy* and *LNG Strategy*. The Province is encouraging investment into LNG infrastructure. The proposed new policies will ensure the maximum benefit of all

BACKGROUND:

- BG Group is a global natural gas business. Active on five continents in 25 countries, it operates four business segments - Exploration and Production, LNG, Transmission and Distribution and Power
- BG Group was a leading supplier of Atlantic Basin LNG into the Pacific Basin in 2009. It has supplied 22 of the 22 LNG importing countries and sourced LNG from 10 different supplier countries
- BG Group pursues a number of options to create a diversified supply portfolio worldwide. These options include buying LNG from third parties as well as from BG Group equity LNG liquefaction projects in Egypt, and Trinidad and Tobago. The portfolio has a variety of contract periods and shipping arrangements. BG Group's current contracted LNG supply is around 13 million tonnes per year (Mtpa)
- BG Group is also the largest international oil company operator of LNG ships
- BG Group is listed on the London Stock Exchange and is a constituent of the FTSE 100 Index. As of 6 July 2012, it was the 7th largest company on the FTSE, with a market capitalization of £44.9 billion

PREPARED BY:

Jiali Leng

250-953-3799

REVIEWED AND APPROVED BY:

Ines Piccinino, Executive Lead
Brian Hansen, ADM
Steve Carr, DM

MEETING NOTE:

TOUR OF AFVAL ENERGIE BEDRIJF IN AMSTERDAM

WHO: Judith Baguley, Trade Commissioner, Canadian Embassy

AFVAL ENERGIE BEDRIJF (AEB):

- The Waste and Energy Company, AEB, is part of the City of Amsterdam.
- AEB is a world leader in the sustainable conversion of waste into energy and valuable, reusable raw materials.
- Largest single-location waste processor in the world.
- 99% of over 1.4 million tonnes of annually processed waste is recycled.
- The innovative plant has set a new global standard for electricity efficiency and maximizing products from waste.
- Over 300 employees in four divisions: Waste-to-Energy (WTE) Plant; Hazardous Waste Depot; Regional Sorting Centre; Waste Collection Points
- Every day, 600 trucks and a number of freight trains deliver 4,400,000 kilograms of waste to the WTE plant (equivalent to about 500,000 garbage bags).
- Waternet's sewage treatment plant is adjacent to AEB's facility. AEB uses Waternet's waste products to produce renewable electricity. In return, Waternet's plant receives heat and electricity.
- Valuable raw materials are recovered from the incinerator flue-gas, e.g. sulphur recovered is used to produce gypsum board for the building industry.
- Precious metals are recovered from the bottom ash remaining after incineration, and the leftover residue is used to produce granulate and artificial sand for use in the construction industry.
- AEB is working to develop an installation that can convert the last traces of bottom ash into higher quality materials, i.e. raw materials for the manufacture of concrete and asphalt.
- AEB may now start to import waste for processing. Even taking into account the transport required, the resulting carbon dioxide (CO₂) emissions are lower than if the foreign authorities were to dump the waste locally in landfill sites, given that methane gas (CH₄) is released when waste is dumped.

CONNECTIONS TO BC:

- Like the Netherlands, British Columbia has embraced a courageous vision, which includes: achieving electricity self-sufficiency; generating 93% of electricity from clean or renewable energy resources; employing demand-side management and energy conservation to reduce electricity demand by at

least 66% by 2020; and reducing waste by encouraging the use of waste heat, biogas and biomass.

- In British Columbia, electricity generated from municipal organic waste used to fuel a WTE facility is considered to be clean or renewable.
- As of April 2012, BC Hydro, purchases electricity from 74 clean energy projects: one municipal solid waste project, one energy recovery project, nine biomass projects, and four biogas (landfill gas) projects, along with two wind power projects and numerous hydropower projects.
- BC Hydro has an additional 52 electricity purchase agreements in place for projects that are in development, including: a municipal solid waste project, an energy recovery project, eight biomass projects, and two biogas projects.
- Local governments across British Columbia are considering WTE facilities as a more sustainable alternative to landfills. A major WTE contract is anticipated for Metro Vancouver's solid waste.

DESIRED OUTCOME:

- Advance additional knowledge and investment by Netherland's industry and quasi-government groups into the clean, renewable (WTE) sector in British Columbia and Canada.
- Enable British Columbia to maintain and enhance its profile as a leader in clean, renewable energy production and promote broader (Canadian) interests as a willing and able trading partner and a safe, secure investment target.

THEIR POSSIBLE INTEREST:

- Opportunity to learn about investment and information/knowledge exchange opportunities for British Columbian projects.
- Exposure to elected Provincial government.

BACKGROUND:

NOTE: Attire required: Everyone must wear ankle length trousers, long sleeves (no t-shirts) and flat, closed shoes. Not for anyone who suffers from heights as there are open-grid floors and stairways on the tour.

PREPARED BY:

Heather Johnstone
250-952-0887

REVIEWED AND APPROVED BY:

ADM: Les MacLaren
ADM Office: 250-952-0204
DM: Steve Carr, Deputy Minister

MEETING NOTE:

MEETING WITH CEO and President of EDF Energies Nouvelles

WHO: Mr. Antoine Cahuzac

EDF Energies Nouvelles, Paris, France

- Mr. Antoine Cahuzac is the President and CEO of EDF Energies Nouvelles (EDF EN).
- EDF EN develops, installs and operates renewable electricity power plants in Europe and North America. The company primarily develops wind energy and solar photovoltaics but is also involved in the biogas, biomass, biofuels, and marine energy sectors. EDF EN is a subsidiary of EDF Group.
- As of December 2011, EDF EN has a gross installed capacity of over 4,100 MW and over 1,700 MW in additional gross capacity under construction.
- EDF EN is active in renewable energy development worldwide having dedicated subsidiaries in France, Portugal, Spain, Italy, Turkey, Bulgaria, the United Kingdom, Greece, Mexico, the United States and Canada. 65% of their installed capacity is located in Europe with the remainder located in North America.
- EDF EN Canada was incorporated in 2008 and has focused on solar and wind energy development with installations located in Ontario and Quebec. Currently, EDF EN Canada has an installed solar capacity of 72 MW. Hydro Quebec has contracted EDF EN Canada to build several wind projects that will exceed 1,000 MW once fully built-out. All projects are expected to be completed by 2015.
- EDF EN does not have any projects completed nor pending in British Columbia.

CONNECTIONS TO BC:

- The Clean Energy Act sets out 16 Provincial Energy Objectives that support renewable energy development in British Columbia. These objectives include: achieving electricity self sufficiency and ensuring that at least 93 percent of the electricity generated in British Columbia is from clean or renewable resources.
- As of April 2012, BC Hydro purchases electricity from 74 clean energy projects: one municipal solid waste project, one energy recovery project, nine biomass projects, and four biogas (landfill gas) projects, along with two wind power projects and numerous hydropower projects.

- BC Hydro has an additional 52 electricity purchase agreements in place for projects that are in development, including: six wind energy projects, a municipal solid waste project, an energy recovery project, eight biomass projects, and two biogas projects.
- British Columbia is currently working with companies interested in building Liquefied Natural Gas plants near Prince Rupert and Kitimat. As part of Government's approach to working with LNG companies, electricity is the preferred approach to liquefying natural gas for export. High-efficiency natural gas generators are likely to supply the majority of LNG electricity needs. However, there may be opportunities for renewable energy developers to supply additional electricity in addition to natural gas generation.

DESIRED OUTCOME:

- Advance additional knowledge and investment by French industry and quasi-government groups into British Columbia's and Canada's clean energy sector.
- Enable British Columbia to maintain and enhance its profile as a leader in clean, renewable energy production.

THEIR POSSIBLE INTEREST:

- Opportunity to learn about investment and information/knowledge exchange opportunities for British Columbian projects.
- Exposure to elected Provincial government.

ADDITIONAL: BACKGROUND:

- EDF Group, one of the three largest energy companies in Europe, and is the parent company of EDF EN. EDF Group's activities include generation, trading, transmission, distribution, supply and other energy services. It has over 38 million customers in Europe, with over 28 million of these in France. It has key business interests in Germany and Italy as well as France and the UK. EDF was founded in 1946. EDF became a public limited company (EDF SA) on November 19, 2004.

PREPARED BY:

Scott Cutler
250-952-0887

REVIEWED AND APPROVED BY:

ADM: Les MacLaren
ADM Office: 250-952-0204
DM: Steve Carr, Deputy Minister

MEETING NOTE:

MEETING WITH ANGLO AMERICAN DURING LONDON OLYMPICS

WHO: Federico Velasquez

- Anglo American recently met with the Ministry of Energy and Mines to discuss a number of Notice of Work applications for exploration permits associated with the Roman coal project.
- PRC submitted two Notice of Work (NOW) applications for exploration on the Roman site in April and May of 2011. They were advised to provide a Caribou Mitigation and Monitoring Plan to address impacts on Northern Caribou. This plan is currently under review by FLRNO. MRM's Senior Inspector of Mines requires confirmation from FLNRO that the plan meets the requirements of the Peace Northern Caribou Interim Guidelines before making a decision on these two applications.
- PRC also submitted two NOW applications for exploration on the Roman Mountain site in January and February of 2012. These two applications also require a Caribou Mitigation and Monitoring Plan. The referral and First Nations consultation period for these applications ended on July 13th, 2012.
- All of PRC's mining interests in the northeast are located in core caribou habitat.
- The Environmental Assessment Office (EAO) review of the Roman Project is expected to conclude in July or August of 2012. At that time, the EAO will forward an information package and recommendations to the Ministers of Environment and Energy and Mines, after which the Ministers are expected to make a decision on the proposed project within the subsequent 45-day period.
- If approved, Roman Coal Mine will employ over 250 people for 15 years and will produce over 3 million tonnes of coal per year. The estimated capital cost of this project is \$250 million.

THEIR INTEREST:

- PRC currently operates Trend Mine, a 2 million tonne per year coal mine 25 km south of Tumbler Ridge.
- PRC also has interests in the following:
 - Belcourt and Saxon coal properties, located southeast of Tumbler Ridge. These properties are in the exploration stages. PRC has a 50% interest in this partnership with Walter Energy Western Coal.

- Roman coal project, located immediately south of the Trend Mine. This project is currently under review in the BC environmental assessment process.
- Horizon coal project, located west of Trend Mine. This project is currently in the exploration stage.

KEY POINTS:

- Northern caribou management continues to be the primary challenge facing new mine developments in the northeast.
- The Peace Northern Caribou Management Plan is currently under development. Until it is finalized, interim guidelines have been created to guide proponents in the design and implementation of projects in caribou habitat.

PREPARED BY:

Sara Bose
250-387-5491

REVIEWED AND APPROVED BY:

ADM: David Morel, July 23, 2012
ADM Office: 250-952-0473

Itinerary

London 2012/Paris/Amsterdam: Minister Rich Coleman

LONDON	
Friday, July 27	
9 – 10 a.m.	Meeting: HSBC <i>Location: 8 Canada Square, Canary Wharf</i> Update on Euro capital markets and outlook for Eurozone
12 to 1 p.m.	Reception: Canada House <i>Location: Canada House, Trafalgar Square</i>
Saturday, July 28	
12:00 p.m.	Host Nation Reception <i>Location: Canada House, Trafalgar Square</i>
2:00 p.m. – 4:00 pm	Tour: Tall Wood Buildings: Murray Grove/Bridport House (outside); Whitmore Road (inside). <i>Location: 74 Paul Street, London</i> <i>Contact: Andrew Waugh, Waugh Thistleton Architects Ltd.</i>
Sunday, July 29	
Monday, July 30	
9:00 – 10:30 am	Meeting: British Gas Group <i>Location: 100 Thames Valley Park Drive, Faraday Building - Board Room</i> <i>BG Headquarters Reading, Berkshire</i> 0900-1000 Rob Macaire Rob Macaire (Group Head of Government Affairs) and Ramanie Kunanayagam (Group Head of Social Performance) 1000-1030 Visit to ICE room (Integrated Collaborative Environment) Hosted by Chris Pearson – ICE Manager, accompanied by Rob/Ramanie
1:30 – 8:00 pm	Mining Day <i>Location: Canada House, Trafalgar Square</i> (2:10 to 2:55 p.m. Minister speaks on 'British Columbia: Opportunities to Explore')
Tuesday, July 31	
10:00 – 11:15 a.m.	Meeting: CIBC World Markets <i>Location: 150 Cheapside, London EC2V 6ET</i>
11:30 a.m. – 3:15 p.m.	Energy Day <i>Location: Canada House, Trafalgar Square</i>
4:00 p.m. – 5:00 p.m.	Meeting: Drax Power Limited Mathew Rivers, Director of Biomass Business <i>Location: Canada High Commission, Macdonald House, 1 Grosvenor Square</i> <i>Contact: Rolf Fyne, Director Business Development Europe, International Trade and Investment Representative Office Europe, Government of British Columbia;</i>
5:30 p.m. – 7:15 p.m.	Meeting: Anglo American Corp Seamus French, CEO; Federico G. Velásquez, Director of Corporate Affairs, Canada; Jonathon Samuel, Head of Social Performance, Global
9:30 p.m. – 12:30 a.m.	Conference Call: Legislative Assembly Management Committee

NETHERLANDS

Wednesday, August 1

11:55 a.m.	Depart London
2:05 p.m.	Arrive Amsterdam, British Airways #434

Thursday, August 2

9:30 a.m.	Tour: Afval Energie Bedrijf A waste to energy company, part of the City of Amsterdam www.amsterdam.nl/aeb/english 9.45am Presentation about AEB 10.45am Tour of plant <i>Location: Australiehavenweg 21, 1045 BA Amsterdam</i>
11:30 a.m.	TRAVEL Depart AEB, drive to The Hague
2:00 – 2:40 p.m.	Meeting: Mr. Chris Buijink, Secretary General, Ministry of Economic Affairs, Agriculture and Innovation Meeting requested by the Dutch Consulate General in Vancouver <i>Location: Bezuidenhoutseweg 20, 2594 AV The Hague</i>
3:00 p.m. – 4:30 p.m.	Meeting: Mr. De La Rey Venter, Global Head of LNG, Shell <i>Location: Shell HQ, Sophialaan 7, 2514 JP The Hague</i>
5:00 p.m. – 6:00 p.m.	Meeting: Ambassador James Lambert, Canadian Ambassador to the Netherlands <i>Location: Canadian Embassy, Sophialaan 7, 2514 JP The Hague</i>
6:00 p.m.	TRAVEL Return to Hotel in Amsterdam arrive Hotel at 7:30

Friday, August 3

9:30 a.m. – 11:00 a.m.	Tour: Salvation Army Homeless Shelter The Instroomhuis (one of the newest shelters in Amsterdam). Meet some of the 48 people who live there; have a presentation about the homeless policy in Amsterdam.
2:30 p.m. – 5:00 p.m.	Tour: Villa Flora, an “energy neutral” office block <ul style="list-style-type: none"> • Welcomed by Mr C H C (Kees) van Rooij, Mayor of Horst aan de Maas. • Welcome in the Atrium of the Innovatoren by Mr Sven Stimac, Project Director Floriade 2012 and Mr Dzingisz Gábor, Commissioner-General of the Floriade 2012. • Words of welcome by Mr Sven Stimac. 3.15pm Depart Innovatoren for the Villa Flora 3.30pm Arrival Villa Flora, tour led by Mr Fred Koiter, Project Leader, Villa Flora 4.30pm Depart Villa Flora to the Innovatoren 4.40pm Farewell at Innovatoren: Mr Gábor, Mr Stimac, Mr van Rooij and Mr Koiter. <i>Location: Venlo, Netherlands (approx 2.5hr drive east of Amsterdam)</i>
5:00 p.m.	TRAVEL Return to Hotel in Amsterdam at 7:30 p.m.

Saturday, August 4

8:30 a.m.	TRAVEL to Arnhem
10:00 a.m. – 11:00 a.m.	Arnhem Oosterbeek War Cemetery & Airborne Museum “Hartenstein” http://en.wikipedia.org/wiki/Arnhem_Oosterbeek_War_Cemetery Minister met by Mr J P Gebben, Mayor of Municipality of Renkum
11:00 a.m.	TRAVEL Depart Oosterbeek for Rotterdam , Thalys # 9352 Arrive Paris at 4:30 p.m.

PARIS	
Sunday August 5	
Monday, August 6	
9:00 a.m.	Tour of ISSEANE <i>Location: Issy-les-Moulineaux, Hauts-de-Seine, Ile-de-France</i>
10:30 a.m.	TRAVEL: Leave ISSEANE, travel to EDF meeting.
11:00 a.m. to 1:30 p.m.	Meeting Antoine Cahuzac, President and CEO of EDF Energies Nouvelles
1:30 p.m.	TRAVEL to EDF EN's Chemin d'Ablis wind project
2:30 p.m.	TOUR: Chemin d'Ablis wind site
3:45 p.m.	TRAVEL: Return to Paris
4:45 p.m.	Arrive at Hotel
Tuesday, August 7	
10:15 a.m.	TRAVEL Paris to London

Mining Day

Logistics:

DATE/TIME:	July 30, 2012 2:00 PM – 6:00 PM Minister speaks from 2:10 p.m. – 2:55 p.m. Reception to follow 6:00 p.m. – 8:00 p.m.
LOCATION:	Canada House, Trafalgar Square, SW1Y 5BJ
ACCOMPANIED BY:	Tobie Myers, Ministerial Assistant
SECURITY:	Arrive by 1.30pm they have a boardroom where speakers can congregate before the seminar. There will be security guards at the entrance to Canada House, all participants have been asked to bring a photo identity piece with them and their name should be on the list. <i>Note - Please advise Allison Goodings Allison.Goodings@international.gc.ca of any other government officials arriving with the Minister so their names can be included. (Note we already have Tobie Myers, Ministerial Assistant on the list).</i>
DRESS CODE:	Business attire
DIGNITARIES:	No. High Commissioner Campbell will not be able to attend the start of the day due to other commitments but will be there at the reception.
MEDIA:	Yes, invited to all the Pan Canadian Days
NUMBER OF INVITEES:	80 see below
STAFF SUPPORT:	Bruce Madu Contact information TBD
GIFT:	No, do not hand out pins etc during the speaking portion of the program
SET UP:	Room set up theatre style - podium and tables for five

Event Information:

EVENT:	Pan Canadian Mining Day
KEY EVENT OBJECTIVE:	To communicate opportunities and good news from B.C. - why it is a good time to invest.
KEY MESSAGES:	<ul style="list-style-type: none">• Insert
THEIR INTERESTS:	Opportunities for mining exploration and investment in B.C.
BACKGROUND:	Canada and the provinces of British Columbia, Ontario and Quebec are hosting this Canadian mining industry event and reception event

Comment [tj1]: Insert KMs

Itinerary:

Time	Details
1:30 PM	Arrive
2:00 – 2:10 PM	Introduction – Brian Parrott, Senior Trade Commissioner, High Commission of Canada
2:10 – 2:55 PM	British Columbia: Opportunities to Explore - Honourable Rich Coleman, Minister of Energy and Mines, Government of British Columbia
2:55 – 3:40 PM	Mineral Exploration and Development in Ontario - Michael Stewart, Counsellor, Commercial, Ontario International Marketing Centre
3:40 – 4:00 PM	Break for networking
4:00 – 6:00 PM	Québec: The Plan Nord - Québec Government Representative, Dr. Matthew Coon Come; Grand Chief of the Grand Council of the Crees (Eeyou Istchee); and Ghislain Poirier, Vice-President, Public Affairs, Stornoway Diamond Corporation
6:00 – 8:00 pm	Reception, featuring Julie Payette, Canadian Astronaut, introduced by Gordon Campbell, Canadian High Commissioner

Corporate Profiles of Mining Day Attendees:

- François-Philippe Champagne, **AMEC plc**
- Duncan Guy, **AMEC plc**, Head of Governmental Relations
- Omar Davis, **Bank of America Merrill Lynch**, Director of Mining Investment Banking
- Caoimhe Buckley, **BHP Billiton**, Head of Public Affairs, Europe
- Mark Florman, **British Private Equity & Venture Capital Association**, Chief Executive Officer
- Julie Payette, **Canadian Astronaut**
- Stephen Meadowcroft, **Costain**, Operations Director - Tunnels
- Daniel Raguenez, **Credit Agricole**, Managing Director, Global Head of Structured Commodity Finance
- Nigel Bacon, **CUKCC**, Executive Director
- Wanda Cutler, **Cutler McCarthy**
- Paul Fletcher, **Deloitte LLP**, Practice Senior Partner/ Private Markets
- Dr. Richard Tipper, **Ecometrica**, CEO
- Thierry Rodier, **EDF**
- Andy Camfield, **Environcorp**
- Mark Camilleri, **Fasken Martineau**, Partner
- Ray Ingram, **Fasken Martineau**
- Jodi Katz, **Fasken Martineau**, Partner
- Peter Villani, **Fasken Martineau DuMoulin SENCRL/LLP**
- June Paddock, **Fasken Martineau**, Partner
- Helen Sutcliffe, **Fasken Martineau**, Trainee Solicitor
- Paul Airley, **Fladgate LLP**, Partner
- Richie Clark, **Fox Williams LLP**, Partner
- Sophia Pickles, **Global Wintess**
- Luke Alexander, **GMP Europe**
- Hon. Bruce Northrup, **Government of New Brunswick**, Minister of Natural Resources
- Sam McEwan, **Government of New Brunswick**, Assistant Deputy Minister

- Charles Bond, **Gowlings**, Partner
- Mark Ledwell, **Gowlings**, Managing Partner
- Dominic Prentis, **Gowlings**, Partner
- Abel Bosum, **Grand Council of the Crees** (Eeyou Istchee)
- Dr. Matthew Coon Come, **Grand Council of the Crees** (Eeyou Istchee), Grand Chief
- John Hurley, **Grand Council of the Crees** (Eeyou Istchee)
- Marcel Aubut, **Heenan Blaikie**, Partner
- H.E. Gordon Campbell, **High Commission of Canada**, High Commissioner
- Allison Goodings, **High Commission of Canada**
- Brian Parrott, **High Commission of Canada**, Minister-Counsellor (Commercial-Economic)
- Pam Whittaker, **High Commission of Canada**
- David McFarlane, **Investissement Quebec**, Director, London Office
- Adam Hart, **London Bridge Capital**
- Elliot Mannis, **London Bridge Capital**, Principal
- Robert Mahalski, **Mahalski Partners**
- Tony Mahalski, **Mahalski Partners**
- Robert J. Brant, **McCarthy Tetrault**, Managing Partner
- Achal Kapila, **McCarthy Tetrault**
- Aleya Karim, **McKinsey & Compagnie**
- Steve Karpel, **Metal Bulletin Focus**, Associate Editor
- Lawrence Williams, **Mineweb**, Editorial Director
- Dominic Mercer, **Mining Journal**, Deputy editor
- Gareth Tredway, **Mining Journal**, Features Editor
- Jane Isaacs, **Mining World & Coal**, International Editor
- Chris McMonagle, **Mott MacDonald**
- Lucia Baldino, **Mouvement Desjardins**, Directrice
- Peter Adams, **Murray & Roberts United Kingdom Limited**, Chairman
- Ian Bliss, **Northernshield Resources Inc.**, President, CEO
- Amanda van Dyke, **Ocean Equities Ltd**
- Michael Stewart, **Ontario International Marketing Centre**, Senior Economic Officer
- Andrew Thompson, **Ontario International Marketing Centre**
- Paul Austin, **Pelican Worldwide Ltd.**, Partner
- Isabelle Blondin, **Quebec Government Office**
- Pierre Boulanger, **Quebec Government Office**
- David Brulotte, **Quebec Government Office**
- Tamara Mehdi, **Quebec Government Office**
- Caroline Normandin, **Quebec Government Office**
- Isabelle Mignault, **Québec International**
- Chad Molleken, **Rainmaker Global Business Development**, Managing Director
- Richard Horrocks-Taylor, **RBC Capital Markets**, Head of European Mining & Metals Investment Banking
- Jean-Francois Turgeon, **Rio Tinto**, Managing Director, Iron and Titanium
- John Flexer, **Scotia Bank**, Managing Director
- William Swords, **Scotia Bank**, MD, Co-Head, corporate Banking Europe
- Jacques Daoust, **Speaker**
- Sylvie Bernier, **Speaker** (TBC)

- Grant Feast, **Sprung Structures Ltd**, Business Development Manager
- Derek Linfield, **Stikeman Elliot**, Manager
- Ghislain Poirier, **Stornoway Diamond Corporation**, Vice-President, Public Affairs
- Daniel Belchers, **Threadneedle Commodities** - Fund Manager
- Paul Chutter, **UBS Limited**, Associate Director, Equity Sales
- John Welch, **UKTI**, Senior Country Manager, USA/Canada
- Marcus Grubb, **World Gold Council**, Managing Director, Investment

Canadian Energy Luncheon



Tuesday, July 31, 2012

12:00 noon

Canada House

Trafalgar Square

SW1Y 5BJ

The High Commission of Canada is pleased to host three keynote speakers who will provide their perspective of Canada's diverse energy sector from coast to coast. As a responsible energy producer, the Canadian Energy luncheon will promote Canada as a clean energy super power with diverse resources and a nation which should be looked to during these complex times for energy security.

This luncheon will also highlight investment opportunities, innovation, and sustainable development, while stressing sustainable energy production, water and emissions management.

12:00 – 12:30	Arrival and Reception, Canada Business Club, Canada House
12:30 – 12:40	Call to luncheon
12:40 – 13:30	Luncheon, High Commissioner's Salon, Canada House
13:30 - 13:35	Welcoming remarks: Mr. Gordon Campbell, High Commissioner for Canada
13:35 – 13:50	The Honourable Alison Redford, Q.C., Premier of Alberta
13:50 – 14:05	Mr. Greg Schmidt, President, Energy Council of Canada
14:05 – 14:20	Dr. Vicki Sharpe, President of Sustainable Technology Development Canada
14:20 – 14:30	Panel Q&A's to be moderated by High Commissioner Gordon Campbell
14:30 – 15:15	Coffee and tea served at Networking Reception, Canada Business Club, Canada House
15:15	END of program

MEETING NOTE

MEETING WITH: Ferdinand van der Velde

WHO: Manager Salvation Army Amsterdam

TIME: 9:30 am – 11:00 am

LOCATION: Zeeburgerdijk 215

Phone: +31 20 462 63 60

The Salvation Army in British Columbia is a significant provider of services to homeless individuals and families.

Minister will meet some of the 48 people who live at the shelter and will receive information and a presentation about the homeless policy in Amsterdam. Local political representation is still in progress.

- Current issues include:
 - Stagnation of housing production
 - Stagnation in housing market
 - Shortage for middle income groups
 - Shortage for large low income households
 - Housing stock not suitable for care at home or other specific needs

BACKGROUND:

- In the Netherlands, the number of homeless people is estimated to be around 30,000, which is a relatively low 0.2 percent of the population. During the last decade, a growing number of women and young people have been using homeless in shelters (in 1999 about 26% of shelter clients were women and 10% under the age of 18).

Homeless people are mostly seen as people that are not able to live on their own and that need care. Prevalent problems are addiction and also psychological problems. Many lack a social support network, have no jobs, and consequently a low income. The problem of homelessness is generally not related to the existing housing shortage. More and more attention is paid to trying to reintegrate the homeless into society: participating in social activities, having a (part-time) job or living on their own with institutionalized care or outreach. Housing associations and service providers cooperate in establishing schemes in which independent housing and care are integrated.

The national government's budget for service provision and shelters grew significantly during the last few years. Many decisions on service provisions are taken on the local or regional level. The main task of the national government in this field is providing funding. Also, at the national level developments in the social care sector are monitored, new policies proposed and innovative practices stimulated. A public debate on poverty, in which incomes are rising for most people while a permanent part (some 10%) of the population does not share in the prosperity, played a part lead to the decision to increase the budget. In this respect, it is also important to point to the aspect of people sleeping rough: probably not much more than 1,000 persons. Since public acceptance of this explicit visible problem has lessened, local governments pleaded for a higher budget and decided to increase the number of shelter beds.

The development of the 'National Strategy Plan for Social Relief' in the Netherlands:

In 2006 the four major cities of the Netherlands (Amsterdam, Rotterdam, Utrecht and The Hague, known as the 'G4') signed an agreement with the government on addressing homelessness in major cities. Under this agreement, the parties committed themselves to bringing homelessness to an end over a period of eight years.

Four years after the strategy was launched, 10,000 homeless people have been brought into provision in the G4. The number of facilities has been extended, especially for the most serious category of clients. The number of people placed in care for homeless people has dropped by 30% (whereas the number of people placed in care outside the G4 is rising). There are scarcely any homeless people sleeping rough anymore. In addition, harassment and petty crime caused by homeless people has been reduced by more than half.

The G4 and the central government are currently engaged in consultation on the second phase of the strategy. Four years ago, the driving force was the righteous indignation that people were sleeping rough without the necessary care. The wish now is to guarantee the results of the strategy and to prevent a new generation of homeless people from emerging. In addition, the G4 realise that it is inadmissible to have people ostracised from society to such an extent that they end up on the street. The ultimate purpose must be that scarcely anyone ends up on the street.

Meeting: HSBC**Attendees:**

- Spencer Lake, Co-Head of Global Markets
- William Stevens, MD, Global Head of Upstream Oil & Gas
- Sue Sharpe, Co-Head of Global Markets

Meeting Date: July 27, 2012**Time:** 9:00am – 10:00am**Location:** Level 4, 8 Canada Square at Canary Wharf (go to Main Reception for security pass)**HSBC Contact:** Sue Sharpe, Executive Assistant to Spencer LakeEmail: Susan.sharpe@hsbcgroup.com

Phone: +44 20 7992 4107

MEETING**BACKGROUND**

HSBC Securities is Canada's largest foreign-owned full-service brokerage. It is a subsidiary of HSBC Bank Canada, and a member of HSBC Group – an international financial services organization with more than 9,500 offices in 85 countries and territories worldwide.

HSBC Bank Canada, headquartered in Vancouver, is one of the largest private sector employers in BC and is Canada's largest foreign bank, with over 260 offices, including 140 branches.

HSBC Securities is a member of the Province's domestic bond syndicate as a banking group member. HSBC Bank Canada has recently entered into an agreement with the province allowing them to be a derivatives counterparty with the province.

HSBC Securities has participated in US dollar global bond offerings by British Columbia and covers the province on the euro and sterling markets. HSBC was promoted to joint lead manager in the province's 10-year US dollar global deal in September 2011 and its 5-year US dollar global deal in April 2012. HSBC also arranged the province's Euro 40 million (about \$56 million Canadian) private placement last October – the province's first issue launched in euros - following the Minister's investor tour to Europe. Very recently, the firm assisted the province on its investor tour of Asia.

HSBC has recently been implicated in a money laundering scheme. A US Senate committee will be asking senior executives about the bank's dealings with embassy accounts, transactions with Iranian firms, and money laundering at its Mexican operations.

While not specifically named in the ongoing Libor scandal, HSBC is one of a dozen banks that submit Libor rates on a daily basis (the rate is a benchmark for \$360 trillion of securities worldwide). The banking community is under investigation for claims that

the Libor submissions were purposely manipulated.

PURPOSE OF MEETING:

The purpose of the meeting is two-fold:

- Provide the bank's assessment of the European and global economic and financial outlook, including risks and opportunities; and,
- Supply the bank's outlook for the energy and mining sector.

The meeting presents an opportunity to gauge how global factors may impact Canada and especially the outlook for British Columbia's energy and mining sector.

Expect that the bank will be interested to hear about progress with LNG development in British Columbia.

Recommend that the Minister acknowledge the bank's important relationship with the province and encourage officials to keep British Columbia's favourable story (economy, fiscal and credit) before their investors.

PREPARED BY:
Tim Pierce
Debt Management Branch
Provincial Treasury

REVIEWED AND APPROVED BY:
ADM: Jim Hopkins, July 23, 2012

<p>Meeting: CIBC</p> <p>Attendees:</p> <ul style="list-style-type: none"> - Michael (Mick) Oliver, MD & Head of Investment Mining - Jeremy Stretch, Head of Foreign Exchange Strategy - Karl Wildi, MD & Head of Capital Markets of Europe - Stephen Redding, MD & Head of Corporate Credit Products - Manuel Santiago, MD & Head of Oil & Gas Investment Banking <p>Meeting Date: July 31, 2012</p> <p>Time: 10:00am – 10:50am</p> <p>Location: CIBC Office, 150 Cheapside, London (check-in with ground floor security then go to CIBC reception on 2nd floor)</p> <p>CIBC Contact: Joanne Wilkinson-Collings</p> <p>Email: Joanne.Wilkinson-Collings@cibc.co.uk</p> <p>Phone: 020 7234 6125</p>	<p>MEETING</p>
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BACKGROUND

CIBC World Markets (CIBC WM) is the wholesale banking arm of the Canadian Imperial Bank of Commerce. It employs approximately 3,000 people worldwide with offices across Canada.

CIBC WM, alone among the Canadian banks, had significant losses as a result of exposure to the U.S. subprime mortgage market (\$US 3.2 billion).

The firm is in the management group of the Province's domestic syndicate and is a member of the Province's Canadian promissory note program. In 2003, CIBC WM was the first Canadian dealer to jointly lead a BC US dollar global issue. In 2004, CIBC WM was added to the Province's Euro Debt Issuance Programme group. In 2010, 2011 and 2012, CIBC WM was a joint lead manager in the province's 3 successful US dollar global bond issues.

CIBC WM was advisor to the BC Rail Group of companies regarding the operating asset partnership. The firm has been selected by B.C. Ferry Services Inc. as its principal financial advisor and arranger. CIBC WM was selected as the successful proponent for a financial advisory role pertaining to the Waneta Expansion Project (WAX), and in 2010 CIBC WM was selected as the financial advisor/arranger in structuring and raising the needed capital from the Arrow Lakes Project Corporation to fund the WAX project by Columbia Power Corporation and Columbia Basin Trust.

PURPOSE OF MEETING:

The purpose of the meeting is two-fold:

- Provide the bank's assessment of the European and global economic and financial outlook, including risks and opportunities; and,
- Supply the bank's outlook for the energy and mining sector.

The meeting presents an opportunity to gauge how global factors may impact Canada and especially the outlook for British Columbia's energy and mining sector.

Expect that the bank will be interested to hear about progress with LNG development in British Columbia.

Recommend that the Minister acknowledge the bank's important relationship with the province and encourage officials to keep British Columbia's favourable story (economy, fiscal and credit) before their investors.

PREPARED BY:
Tim Pierce
Debt Management Branch
Provincial Treasury

REVIEWED AND APPROVED BY:
ADM: Jim Hopkins, July 23, 2012

Bios: CIBC

Jeremy Stretch

Head of FX Strategy at CIBC

S22

S22

Karl Wildi

Managing Director and Head of Capital Markets in Europe

S22

S22

Mr Michael Oliver

Managing Director in the Investment Banking Division of CIBC World Markets, based in London,

S22

Stephen Redding

Managing Director and Head of Corporate Credit Products – Europe.

S22

Manuel Santiago

Managing Director

S22

Ed Dodig

Managing Director, Head of CIBC's European Region and acting Head of the Asia Pacific Region,

S22

MEETING NOTE:

TOUR OF Villa Flora Office Block

WHO: Judith Baguley, Trade Commissioner, Canadian Embassy, Paul Beck, Director of Floriade

Villa Flora Building, City of Venlo, Netherlands

- The Villa Flora Building is an energy-neutral and carbon-neutral building.
- The building was designed by architect Jon Kristinsson.
- Including the design phase, the building was developed and built within 26 months, with a budget of 17.5 million Euro.
- The Villa Flora has variety of sustainable technologies and systems. These include using geothermal energy for heating, cooling and ventilation, using rainwater for on-site water needs, and capturing gas from sewage to be consumed as part of the heating system.

CONNECTIONS TO BC:

- Since 2007, Government has required that all new public sector buildings target LEED Gold certification.
- A 2011 amendment to the BC Building Code requires high water efficiency toilets in new residential construction, in addition to a new regulation allowing local governments to require new single family homes to be built “solar hot water ready.”
- For future Building Code updates, BC is considering harmonization with national proposals for increased energy efficiency for both large, complex buildings and housing/small buildings.
- Relevant statistics and examples of similar technology used in BC:
 - As of April 2011, there were 96 Leadership in Energy and Environmental Design (LEED) building projects in BC.
 - As of 2010, there were 188 Building Owner and Managers Association BEST certified buildings in British Columbia.
 - In Business in Vancouver’s “2008 Book of Lists”, 11 of the top 19 largest architectural firms in B.C., employing over 773 staff, with over \$63 million in architectural fees, listed themselves as sustainable or green service providers.
- BC Case Studies:
 - Harmony House opened in Burnaby BC in December 2011 by Canada

Mortgage and Housing Corporation. Harmony House is one of two EQuilibrium™ homes built in British Columbia.

- Dockside Green: a greenhouse gas neutral residential development located in Victoria, BC, which uses a biomass gasification system.
- UniverCity Child Care Centre, Simon Fraser University is the first day care worldwide to meet the Living Building Challenge. The facility will generate as much energy as it uses, recycle or collect as much water as it consumes, be free of toxic materials and obtain the majority of its materials within a 500 kilometre radius.

DESIRED OUTCOME:

- Advance additional knowledge and investment by Dutch industry and quasi-government groups into British Columbia's sustainable and green building sector.
- Enable British Columbia to maintain and enhance its profile as a leader in green building construction and promote broader (Canadian) interests as a willing and able trading partner and a safe, secure investment target.

THEIR POSSIBLE INTEREST:

- Opportunity to learn about investment and information/knowledge exchange opportunities for British Columbian projects.
- Exposure to elected Provincial government.

BACKGROUND:

- The Venlo region is one of the Netherlands' largest greenhouse horticulture areas, second only to the Westland area. The Venlo region has been designated as one of the Netherlands' Green spots.
- Venlo was the first region in the world to embrace the cradle-to-cradle philosophy, a concept for sustainability based on the reuse of raw buildings materials that are completely from recyclables and waste.
- Villa Flora Municipality has developed a 2020 policy framework, indicating that all new buildings will be energy neutral and current buildings will need to reduce energy consumption by 30%.

PREPARED BY:

Jean Yan
250-387-0265

REVIEWED AND APPROVED BY:

ADM: Les MacLaren
ADM Office: 250-952-0204
DM: Steve Carr, Deputy Minister

Drax Power Limited bilateral (60 mins)

DATE/TIME:	31 July 2012 4:00 PM - 4:45 PM
LOCATION:	Canada House 5 Trafalgar Square SW1Y 5
MEETING WITH:	Matthew Rivers, Director Biomass Business, Drax Power Limited
STAFF SUPPORT:	Rolf Fyne, B.C. Trade and Investment Representative +44 7900-673906

Meeting Information:

MEETING EVENT:	Meeting with Drax Power Limited
SIGNIFICANCE:	<ul style="list-style-type: none">• Drax have a base wood pellet requirement for 1 million tonnes annually as coal-replacement strategy in firing their 4,000 megawatt generators.• Drax's target is to achieve 50% biomass co-firing by 2020. In order to secure long-term supply, Drax are considering co-investing in pellet production in B.C. and on Canada's East coast.
KEY MEETING OBJECTIVE:	<ul style="list-style-type: none">• To highlight British Columbia as a key exporter of wood pellets to Europe.• To highlight British Columbia's fibre supply and its potential to play a key role in satisfying the biomass requirements by the European utilities, legislated through the <i>EU 20/20/20 Renewable Energy Directive</i> (see 'Background' section for more detail).
BACKGROUND:	<ul style="list-style-type: none">• Drax is a major purchaser of wood pellets from British Columbia. Drax is using ~600,000 tonnes/year of B.C. pellets and plan on increasing volumes from the province. Drax may be willing to invest in JVs with B.C. pellet producers to secure long-term off take agreements.• In July 2011, members of the Drax Executive Committee visited B.C. to meet with Pinnacle Renewable Energy to discuss the basis for on-going collaboration and contracts for pellet deliveries to Drax over the next five years. Up to 2 million tonnes in prospect. <p>Drax Power is also exploring off take agreement for 250,000 tonnes/year of wood pellets with Atco Wood Products. The contact was made through the European TIR during Atco's mission to the EU in March 2012.</p> <p><u>Company overview:</u> Drax Power Limited is the operating subsidiary of Drax Group plc and the owner and operator of Drax Power Station, the largest, cleanest and most efficient coal-fired power station in the UK.</p> <p>The output capacity of their six generators is 4,000 megawatts, making Drax nearly twice the size of the next largest coal-fired power station in the UK. Drax currently provides enough power to meet 7% of the UK's electricity needs.</p> <p>As well as being an important strategic asset nationally, Drax is also vital to the local economy. Drax Power employs some 760 people and supports many other local jobs indirectly.</p>

Drax Power Station is already the largest, cleanest and most efficient coal-fired power station in the country. In 2010, Drax commissioned the largest biomass co-firing project in the world, in which renewable biomass is burnt alongside coal to produce electricity. The multi-million pound facility provides Drax with the capability to produce 12.5% of their power generation from co-firing.

EU Renewable Energy Directive background:

Europe's climate and energy goals call for an average of 20 percent of all the continent's power to come from renewable sources by 2020, with the target percentage for individual countries varying considerably.

Adopted in late 2008 and known collectively as the 20-20-20 directive, the European Union's (EU) renewable energy plan for the year 2020 sets three primary goals,

- A cut in greenhouse gases of at least 20 percent below 1990 levels;
- A 20 percent reduction in overall primary energy use; and
- 20 percent of energy to come from renewable sources.

Biomass – already a dominant renewable-energy source across the EU – is likely to be used in increasing amounts. One type of biomass, wood pellet fuel, will play a particularly important role, as it can be used for residential heating, district heating and electricity generation.

London 2012 and Visit to Europe – Minister Rich Colman
July 28th – August 7, 2012
DRAFT 2 (Updated July 4, 2012)

Opportunities/Commitments:

Date/Time	Opportunity	Contact	Note
LONDON			
Thursday, July 26	Arrive in London		
Friday, July 27	London 2012 opening ceremonies Details to follow	TBD	
Saturday, July 28	<p>Possible meeting with HSBC executive for update on Euro capital markets and outlook for Eurozone – recommended as a good briefing to launch UK/Europe visit</p> <p>Contacts: Spencer Lake, Head of Global Capital Markets and Stephen King, Chief Strategist</p> <p>Possible meeting with CIBC world markets, RBC, Deutsche Bank</p> <p>Opportunity:</p> <ul style="list-style-type: none"> • Mining investments, LNG plants, • Pipeline Investments, • General global fiscal picture, • Energy opportunities associated with larger capital expenditure projects, • Issues around hydro utility debt management. 	<p>Darshi Klear Executive Director Debt Management Branch Ministry of Finance – can arrange a meeting</p>	<p>HSBC has not been contacted about this opportunity</p> <p>CIBC has not been contacted about this opportunity</p> <p>Briefing note TBC</p>
Sunday, July 29	<p>Possible Housing meeting/tour options in London:</p> <ol style="list-style-type: none"> 1. WaughThistleton Architects - Murray Grove, and is also working on a 7 storey CLT mixed use project near their offices 2. KLH UK - briefing at their London office, plus a trip to the West London Academy, a school project in the finishing stages of 	<ol style="list-style-type: none"> 1. Andrew Waugh info@waughthistleton.com, +44 207 613 5727 2. Nic Clark & Matthew Linegar nic.clark@klhuk.com and matthew@klhuk.com, +44 203 	<p>None of these companies have been contacted about this opportunity yet</p> <p>Briefing note TBC</p>

London 2012 and Visit to Europe – Minister Rich Colman

July 28th – August 7, 2012

DRAFT 2 (Updated July 4, 2012)

	<p>construction</p> <p>3. The 8 storey CLT "Bridport House" (engineered by Eurban, constructed by Willmott Dixon) – briefing and tour</p>	<p>031 8070</p> <p>3. Contact TBC</p>	
<p>Monday, July 30 2:00 p.m.</p>	<p>Mining Day <i>Location:</i> Canada House, Trafalgar Square</p> <p>2:10 – 2:55 pm Minister speaks on British Columbia: Opportunities to Explore</p>	<p>Pam Whittaker, Trade Commissioner Oil, Gas & Mining, High Commission of Canada Tel : +44 (0)20 7258 6361 Pam.whittaker@international.gc.ca</p>	<p>Speaking notes</p>
<p>Tuesday, July 31</p>	<p>Energy Day <i>Location:</i> Canada House, Trafalgar Square</p> <p>No formal role for MRC – guest only</p>	<p>Daniel Tibbetts Daniel.Tibbetts@international.gc.ca</p>	<p>Briefing note TBC</p> <p>Mr. Gordon Campbell, High Commissioner for Canada is speaking as well as reps from Premier Redford and reps from Energy Council of Canada and Sustainable Technology Development Canada</p>
Europe			
<p>Wednesday, August 1</p>	<p><i>Travel</i></p>		
<p>Thursday, August 2</p>			
<p>Friday, August 3</p>			
<p>Saturday, August 4</p>	<p>Possible visit – Villa Flora, an “energy neutral” greenhouse part of Floriade 2012 – a horticultural exhibition</p> <p><i>Location:</i> Venlo, Netherlands</p>	<p>Johannes Vervloed Consul General of the Netherlands</p>	<p>Briefing note TBC</p> <p>Invite from the Consul General of the Netherlands</p>
<p>Sunday August 5</p>	<p><i>Travel</i></p>		
London			
<p>Monday, August 6</p>	<p>Possible meeting with British Gas Group at their headquarters</p>	<p>Ministry’s North American contact (located in the US)</p>	<p>British Gas has not been contacted about</p>

London 2012 and Visit to Europe – Minister Rich Colman
July 28th – August 7, 2012
DRAFT 2 (Updated July 4, 2012)

	<p><i>Location:</i> Reading, Berkshire (30 – 60 minute drive from London)</p> <p><i>Opportunity:</i></p> <ul style="list-style-type: none"> • BG is proposing an LNG export plant in Prince Rupert, B.C. • BG has an existing agreement with the Prince Rupert Port Authority to determine the viability of such a project. • BG has extensive world-wide experience in LNG exports, imports and commercialization. • BG is headquartered in Berkshire, UK – about 1 hour outside of London. 	Mr. David Keane, Vice President, Policy and Corporate Affairs.	<p>this opportunity yet</p> <p>Briefing note TBC</p>
Tuesday, August 7	<p>Possible tour of the Dragon LNG facility</p> <p><i>Location:</i> Pembrokeshire, Wales – 340 kilometres from London</p> <ul style="list-style-type: none"> • Dragon’s liquefied natural gas terminal consists of: a jetty, storage tanks and regasification facilities combined with gas export capabilities for 365 days per year continuous operation. <p>http://www.dragonlng.co.uk/</p>	Ines Piccinino Ministry of Energy and Mines	<p>Dragon LNG has not been contacted about this opportunity yet</p> <p>Briefing note TBC</p>

Frankl, Dave MEM:EX

From: Joyce, Tonja GCPE:EX
Sent: Monday, July 16, 2012 11:22 AM
To: Nash, Laurel MEM:EX
Cc: Tudela, Nicole MEM:EX; Woolley, Paul GCPE:EX; Koncohrada, Karen MEM:EX
Subject: RE: Request: London 2012/Europe Trip Information/Background

Thanks

From: Nash, Laurel MEM:EX
Sent: Monday, July 16, 2012 11:20 AM
To: Joyce, Tonja GCPE:EX
Cc: Tudela, Nicole MEM:EX; Woolley, Paul GCPE:EX; Koncohrada, Karen MEM:EX
Subject: RE: Request: London 2012/Europe Trip Information/Background

Will do
Thanks

Laurel Nash
Executive Lead
Titles and Corporate Relations Division
Ministry of Energy and Mines
(t) 250 356-9569 (S17

From: Joyce, Tonja GCPE:EX
Sent: Monday, July 16, 2012 11:17 AM
To: Nash, Laurel MEM:EX
Cc: Tudela, Nicole MEM:EX; Woolley, Paul GCPE:EX
Subject: Request: London 2012/Europe Trip Information/Background

Hi Laurel,

We are still waiting for feedback on the options for the Minister's trip to London and Europe. However, we do have confirmation from the Minister's Office that he will be attending the opening ceremonies for London 2012, Mining Day (where he has a speaking role) and Energy Day (no formal role that we are aware of).

In the interests of time, we need to start pulling some background information/notes for the Minister's trip on the three confirmed events. I spoke with Guy and I understand a formal ask through the DM's office and a template for the background is required. Unfortunately, we don't anticipate a formal ask and at this late date we believe that we will need to develop our own template that would include – contact information, security information, dress code, brief background on the meeting/event, information on how this ties into MEM's policy/programs and MEM's policy/program direction.

I have included the background that I have below. Are you able to get the ball rolling on the background/information notes on these three events?

Latest version of the London 2012/Europe options:

<< File: MRC London 2012 and Europe_opportunities_draft 5_july 16 12.docx >>

IGRS Contacts (Opening Ceremony):

Marc-Andre Ouellette
Executive Director and Chief of Protocol
IGRS
250 387-4304
Marc.Andre.Ouellette@gov.bc.ca

Don Haney
Advisor to the Deputy Minister's Office and
Executive Director, Economic Policy and Asia Pacific Relations
Intergovernmental Relations Secretariat
250 387-5628
donald.haney@gov.bc.ca

Mining Day contact and background:

Pam Whittaker
Trade Commissioner
Oil, Gas & Mining
High Commission of Canada
Tel : +44 (0)20 7258 6361
Fax : +44 (0)20 7258 6384
Pam.whittaker@international.gc.ca

<< File: IB_LDN-#164621-v1-AGENDA - Pan Canadian Mining Day - FINAL - 2012 06 19.docx >> << File: Mining-
invitation-revised.pdf >>

- Please note that we are putting together the speaking notes for this event.

Energy Day contact and background:

Daniel Tibbetts
Daniel.Tibbetts@international.gc.ca

<< File: IB_LDN-#165103-v1-2012 06 25 Agenda_ Pan Cdn Energy Luncheon.DOCX >>

- Our understanding is that High Commissioner Campbell is speaking and Minister Coleman does not have a formal role.

Thanks,

Tonja

Tonja Joyce
Senior Public Affairs Officer
Ministry of Energy and Mines
E-mail: Tonja.Joyce@gov.bc.ca
Phone: (250) 952-0559
Cell: S17
Fax: (250) 952-0627

Frankl, Dave MEM:EX

From: Koncohrada, Karen MEM:EX
Sent: Monday, June 11, 2012 5:00 PM
To: Gensey, Guy MEM:EX
Subject: RE: London - Mining and Energy Sessions, July 30, 31

Hi Guy - It wasn't clear that you were to compile the list. Is that what you read from this too? If so, you will need to find out from Laurel what ideas the ADMs have given her.

From: Gensey, Guy MEM:EX
Sent: Monday, June 11, 2012 4:56 PM
To: Koncohrada, Karen MEM:EX
Subject: FW: London - Mining and Energy Sessions, July 30, 31

From: Nash, Laurel MEM:EX
Sent: Monday, June 11, 2012 4:44 PM
To: Gensey, Guy MEM:EX
Cc: Tudela, Nicole MEM:EX
Subject: FW: London - Mining and Energy Sessions, July 30, 31

Laurel Nash
Executive Lead
Titles and Corporate Relations Division
Ministry of Energy and Mines
(t) 250 356-9569 S17

From: Symes, Leslie MEM:EX
Sent: Monday, June 11, 2012 4:03 PM
To: Madu, Bruce MEM:EX
Cc: Morel, David P MEM:EX; Musgrove, Kate MEM:EX; Nash, Laurel MEM:EX
Subject: FW: London - Mining and Energy Sessions, July 30, 31

Bruce, the Minister is planning to be in London/Europe and attend these 2 sessions, in addition to other meetings/opportunities until August 5; however, at this point no flight/accommodation arrangements have been made by the Minister's office.

Laurel Nash's division (through Guy Gensey) is compiling a list suggested meetings/events for the Minister to participate in. I have copied her on this email so she is aware of your involvement.

Regards,

Leslie Symes
Executive Coordinator
Deputy Minister's Office
Ministry of Energy and Mines
Phone: 250 952-0683

From: Symes, Leslie MEM:EX
Sent: Friday, June 8, 2012 1:43 PM
To: Madu, Bruce MEM:EX
Cc: Morel, David P MEM:EX; Musgrove, Kate MEM:EX
Subject: RE: London - Mining and Energy Sessions, July 30, 31

Hi Bruce, I will know more about this trip early next week and will let you know. It was just brought to my attention; therefore, I will be discussing it with the DM and ADMs next week.

Leslie Symes
Executive Coordinator
Deputy Minister's Office
Ministry of Energy and Mines
Phone: 250 952-0683

From: Madu, Bruce MEM:EX
Sent: Friday, June 8, 2012 11:26 AM
To: Symes, Leslie MEM:EX
Subject: London - Mining and Energy Sessions, July 30, 31

Hi Leslie,

I have been earmarked to attend to Mining session at Canada House in London on July 30. My travel will be covered by JTI. They called me a few moments ago to share with me news that Minister Coleman is anticipated to attend as well. I have a Travel Authorization submitted already and have bookings in place for accommodations and soon flights. I will

S22

Can you confirm with the Minister's office his planned attendance? I need to understand how this might impact my arrangements.

Bruce Madu, P.Geo.
Director, Mineral Development Office
BC Geological Survey
Ministry of Energy and Mines

300 - 865 Hornby Street, Vancouver, BC, V6Z 2G3
Phone (604) 660-3332
FAX (604) 660-2653

www.empr.gov.bc.ca/Mining/investors/Pages/vmdo.aspx

Frankl, Dave MEM:EX

From: Turner, Geoff J MEM:EX
Sent: Wednesday, July 4, 2012 4:36 PM
To: Cutler, Scott MEM:EX
Subject: RE: European Suggestions

I'm 90 percent sure but it's probably best to double check with Paul if he's around in the next couple of days.

From: Cutler, Scott MEM:EX
Sent: Wednesday, July 4, 2012 4:34 PM
To: Turner, Geoff J MEM:EX
Subject: RE: European Suggestions

Ok, will suggest this to Tonja. Are you certain Afval Energie Bedrijf is the correct group or should I double-check with Paul? I did a quick check of your files but could not see anything so searched online and found Afval Energie Bedrijf.

From: Turner, Geoff J MEM:EX
Sent: Wednesday, July 4, 2012 4:30 PM
To: Cutler, Scott MEM:EX
Subject: RE: European Suggestions

If the Minister ends up wanting to tour the plant, I'd suggest we approach them through the Dutch Consulate in Vancouver who made the initial arrangements for the meeting.

From: Cutler, Scott MEM:EX
Sent: Wednesday, July 4, 2012 4:29 PM
To: Turner, Geoff J MEM:EX
Subject: RE: European Suggestions

Great, thanks. I'll ask Paul on the correct pronunciation :)

From: Turner, Geoff J MEM:EX
Sent: Wednesday, July 4, 2012 4:25 PM
To: Cutler, Scott MEM:EX
Subject: RE: European Suggestions

Yes – I believe that it was.

From: Cutler, Scott MEM:EX
Sent: Wednesday, July 4, 2012 4:16 PM
To: Turner, Geoff J MEM:EX
Subject: FW: European Suggestions

S22 otherwise I would ask him. Was it Afval Energie Bedrijf that you met with?

<http://www.amsterdam.nl/aeb/english/>

From: Joyce, Tonja GCPE:EX
Sent: Wednesday, July 4, 2012 2:47 PM
To: Larson, Janice AVED:EX; Cutler, Scott MEM:EX

Cc: Turner, Geoff J MEM:EX; Green, Dan L MEM:EX
Subject: FW: European Suggestions

Hi Janice and Scott,

Minister Coleman is visiting England and Europe (likely around the Netherlands or countries close by). I remembered that Senator Neufeld visited Europe and wondered if there were any clean energy operations that might be worthwhile to visit. I am putting together some options for him.

Scott, are you able to provide the name of the company?

Janice, do you know the names of the biorefining companies in Norway? I can check with Bioenergy BC if that is easier.

Geoff --- thanks again for all of your help on this.

Thanks again,

Tonja

From: Green, Dan L MEM:EX
Sent: Wednesday, July 4, 2012 2:08 PM
To: Joyce, Tonja GCPE:EX
Subject: FW: European Suggestions

Here are Geoff's suggestions...anything look appealing?

From: Turner, Geoff J MEM:EX
Sent: Wednesday, July 4, 2012 1:51 PM
To: Green, Dan L MEM:EX
Subject: European Suggestions

Hi Dan,

A couple of thoughts further to our discussion over the lunch hour.

On the waste to energy side of things, I'd suggest visiting a facility in Amsterdam (particularly if the Minister is going to be in the Netherlands to talk to Shell on LNG). In January last year the Dutch Consulate in Vancouver arranged for Paul and I to meet with a company that had just completed the first "4th generation" waste to energy facility using a technology under consideration by Metro Vancouver. I can't recall the name of the facility or the company but I left the materials from that meeting in my waste to energy files (which I believe Scott C has now) so that should be straight forward to work out (Paul may also recall the name of the company).

In the UK I think there are a couple of opportunities on the marine side – the Wave Hub in Cornwall installed their first device in April of this year (<http://www.wavehub.co.uk/>), there is also EMEC in Scotland which provides a test site for tidal and wave energy devices (<http://www.emec.org.uk/>). I had the chance to visit the Pelamis factory and headquarter: S22 - they are quite impressive and the company is usually willing to have visitors in for a tour although my contact there has moved on to another company now (<http://www.pelamiswave.com/>).

The UK also has a large pumped storage facility called Dinorwig Power Station in Wales which is used to provide quick responses to load peaks. If I recall the IRP identified pumped storage as a technology BC Hydro plans to look at in the future so a visit there might be of interest.

A Norwegian company (Statkraft) has developed a power generation technology that works based on the salinity difference between salt water and fresh water – the technology is being demonstrated at a small plant in Tofte just outside of Oslo. Coastal pulp mills are seen as a key market for this technology due to their large freshwater effluent streams which are generally flushed into the ocean.

On the biorefining side of things, I know that there are a number of interesting facilities operating in Norway, however, I don't have a lot of detail on them to hand anymore. Janice may know some good options off the top of her head, you could also try contacting the folks at the BC bioenergy network as they tend to keep fairly current on the most recent technology developments in that area.

Another thought on bioenergy is that the Netherlands (the port at Rotterdam if I recall) is a key point of entry for BC wood pellets into Europe. Not sure if that's something worth highlighting to the Minister or not.

A final thought would be the possibility of a visit to a building (or even better a whole development) constructed to the Passivhaus standard – Chris Frye can provide you with more details on this, but in a nutshell it's a hyper-efficient building standard pioneered in Germany designed to maximize solar heat gain and minimize the need for external energy sources.

Hope this is helpful.

Cheers,
Geoff