**IN THE MATTER OF** the *Ontario Energy Board Act*, 1998, S.O. 1998, c. 15 (Schedule B);

AND IN THE MATTER OF an application by Goldcorp Canada Ltd. and Goldcorp Inc. for an order under section 19 of the *Ontario Energy Board Act, 1998* declaring that certain provisions of the Ontario Energy Board's *Transmission System Code* are *ultra vires* the *Ontario Energy Board Act, 1998* and certain other order.

AND IN THE MATTER OF an application by Langley Utilities Contracting Ltd. for a determination as to whether certain services are permitted business activities for an affiliate of a municipally-owned electricity distributor under section 73 of the *Ontario Energy Board Act*, 1998.

# AFFIDAVIT OF LUC MAJOR sworn December 1, 2011

I, Luc Major, of the Town of Red Lake in the Municipality of Red Lake, province of Ontario, make oath and say as follows:

- I am a consultant to Goldcorp Red Lake Goldmines in respect of its dealings with Hydro
  One Networks Inc. (HONI) respecting electricity facilities and electricity supply for the
  Red Lake, Balmer, and Cochenour gold mining complexes in the Municipality of Red
  Lake and have a personal knowledge of all matters deposed to.
- I hold the qualification of Licensed Electrician Construction and Maintenance. In my career I was chief electrician at Dona Lake Mine, Placer Dome in Pickle Lake for two and a half years. I got transferred to Campbell Mine in 1993 while employed with Placer Dome. I worked at Goldcorp from 2004 to 2007 as Chief Electrician/Project Co-ordinator. Since 2007 I have been involved with Goldcorp's electricity needs as a consultant.
- 3. I have worked on Goldcorp's 115 kV transmission line project since November 2009. On July 20, 2001, the Board in EB-2011-0106 granted Goldcorp leave to construct its

proposed transmission facilities, subject to the conditions of Approval attached as Appendix A to the Board's Order. I will refer to the approved facilities as *Goldcorp's 115* kV line or the *115* kV line.

- 4. In late July, 2011, after receiving the Board's July 20, 2011 order in EB-2011-0106, Curtis Pedwell, Maintenance Manager of Goldcorp assigned me the task of negotiating a Connection and Cost Recovery Agreement (CCRA) with HONI respecting the connection of the 115 kV line to HONI's system and the subsequent transfer of ownership of the 115 kV line from Goldcorp to HONI.
- 5. In late July, 2011 I tried to contact Timo Hakkarainen, Customer Business Relations representative of HONI but he was on vacation. I had to wait approximately three weeks before he finally got back. When I did get a hold of Mr. Hakkarainen he told me that we had to wait until Raj Ghai of HONI also got back from vacation.
- 6. After some time they told me the load forecasts were unrealistic since they were higher than the 41.7 MVA load restriction given by HONI. I then spent some time updating the spreadsheet to show what they wanted but still showing what our actual demand requirements were.
- 7. A while after that HONI came back saying it needed a 15 year forecast rather than a 10 year forecast.
- 8. After some more time HONI came back again saying it did not agree with the philosophy of the details. HONI did not agree with using the combined coincidental peak of sites. Their philosophy was that Cochenour should be separate. We then had a conference call with them and we found it easier to agree with them because we needed to keep the process moving forward.

- Again after some more time HONI asked for me to change the spreadsheet to show kW's rather than kVA. This was curious because the original information HONI sent me was in kVA not kW.
- 10. When I asked them to send me a draft copy for us to get started on the review they replied that would be kind of useless as it would just be a blank template. From Timo Hakkarainen's last e-mail, what they will be sending next month will be a draft and not the final.
- 11. The e-mails that I will mark as exhibits to my affidavit provide greater precision to what I say in paragraphs 5 to 9 and show that HONI has no sense of urgency about completing arrangements to connect Goldcorp's 115 kV line. I am concerned that at the pace reflected in the exhibits to my affidavit below there is a risk that Goldcorp's 115 kV line will not be connected by 2012 Q1 when it is required.
- 12. Until the CCRA has been completed between Goldcorp and HONI, HONI will not connect Goldcorp's 115 kV line to its system or energize it.
- 13. Since Goldcorp has not seen the CCRA, Goldcorp and I are afraid that HONI will insist on including a provision in their draft CCRA requiring that Goldcorp agree to pay bypass compensation and refuse to complete the CCRA or connect Goldcorp's 115 kV line to HONI's system or to energize it until Goldcorp agrees to this provision. I am advised by counsel and believe that HONI's right to do that is created by section 11.2 of the Transmission System Code. Since the validity of that and related provisions is in issue in this proceeding I do not consider it fair that Goldcorp should have to agree to such a requirement, if it is insisted up by HONI before Goldcorp's 115 kV line can be connected to HONI's system and energized.

- 14. Now shown to me and marked as **Exhibit A** to my affidavit is my e-mail dated August 30, 9:22 to Timo Hakkarainen informing him of my involvement.
- 15. Now shown to me and marked as **Exhibit B** to my affidavit is Timo Hakkarainen's Response e-mail dated August 30, 2011 and enclosures.
- 16. Now shown to me and marked as **Exhibit C** to my affidavit is my e-mail to Timo Hakkarainen of September 14, 2011 following up on voicemails I had left with him respecting preparation of the draft CCRA.
- 17. Now shown to me and marked as **Exhibit D** to my affidavit is Timo Hakkarainen's responding e-mail dated September 14, 2011.
- 18. Now shown to me and marked as **Exhibit E** to my affidavit is Timo Hakkarainen's e-mail to me dated October 4, 2011 and enclosures.
- 19. Now shown to me and marked as Exhibit F to my affidavit is my e-mail dated October 6,2011 replying to Timo Hakkarainen's e-mail dated October 4, 2011 marked as Exhibit E.
- 20. Now shown to me and marked as Exhibit G to my affidavit is Timo Hakkarainen's to me of October 14, 2011 providing me with one year actual meter data for delivery points at Red Lake Mine, Balmer Complex and Campbell Mine and coincident peak for all three delivery points combined and enclosed.
- 21. Now shown to me and marked as **Exhibit H** to my affidavit is Timo Hakkarainen's e-mail to me of October 17<sup>th</sup> and chain respecting power factor.
- 22. Now shown to me and marked as **Exhibit I** to my affidavit is my e-mail to Curtis Pedwell dated October 17, 2011 expressing my frustration at the delays caused by HONI.

- 23. Now shown to me and marked as **Exhibit J** to my affidavit is Timo Hakkarainen's e-mail to me dated October 21, 2011 providing power factor information and enclosures.
- 24. Now shown to me and marked as **Exhibit K** to my affidavit is Timo Hakkarainen's e-mail to me dated November 1, 2011 re how load forecast is progressing.
- 25. Now shown to me and marked as **Exhibit L** to my affidavit is my e-mail to Timo Hakkarainen dated November 3, 2011 providing Goldcorp's load forecast and enclosures.
- 26. Now shown to me and marked as **Exhibit M** to my affidavit is Timo Hakkarainen's e-mail to me of November 4, 2011 requesting clarification on whether Goldcorp is seeking a 10 year or a 15 year CCRA.
- 27. Now shown to me and marked as **Exhibit N** to my affidavit is Timo Hakkarainen's e-mail to Curtis Pedwell of November 7, 2011 informing him that if Goldcorp's load forecast does not materialize during the CCRA terms, then HONI will true up the revenue short fall and invoice Goldcorp for the amount owing during each true up period.
- 28. Now shown to me and marked as **Exhibit O** to my affidavit is Gord Caul of HONI's e-mail of November 9, 2011 to Rich Baggerman of HONI providing Goldcorp's Load assignment for 2011.
- 29. Now shown to me and marked as **Exhibit P** to my affidavit is my e-mail to Timo Hakkarainen of November 10, 2011 attaching Goldcorp's 15 year Load Forecast and enclosures.

- 30. Now shown to me and marked as **Exhibit Q** to my affidavit is Timo Hakkarainen's e-mail dated November 10, 2011 enclosing a spreadsheet showing what the Balmer CTS loads would be if HONI uses a 95% coincident load factor and enclosures.
- 31. Now shown to me and marked as **Exhibit R** to my affidavit is my e-mail replying to Timo Hakkarainen's dated November 10, 2011 replying to his e-mail of same day just marked as **Exhibit Q** to my affidavit.
- 32. Now shown to me and marked as **Exhibit S** to my affidavit is an e-mail from Timo Hakkarainen dated November 14, 2011 enclosing Minutes from a conference call held on November 11, 2011 and enclosures.
- 33. Now shown to me and marked as **Exhibit T** to my affidavit is my e-mail to Timo Hakkarainen of November 16, 2011 re power factor.
- 34. Now shown to me and marked as **Exhibit U** to my affidavit is an e-mail from Raj Ghai of HONI dated November 22, 2011 correcting a spreadsheet as to a duplication of the year "2023" and enclosures.
- 35. Now shown to me and marked as **Exhibit V** to my affidavit is my e-mail of November 22, 2011 in response to Raj Ghai's e-mail of the same dated marked as **Exhibit U** to my affidavit inquiring about when Goldcorp may expect the CCRA.
- 36. Now shown to me and marked as **Exhibit W** to my affidavit is Raj Ghai's e-mail to me dated November 23, 2011 indicating that Goldcorp will not see the CCRA until "next month."

- 37. Now shown to me and marked as **Exhibit X** to my affidavit is my e-mail to Raj Ghai dated November 26, 2011 requesting a draft copy of the CCRA in order to allow Goldcorp to obtain a head start on reviewing it.
- 38. Now shown to me and marked as **Exhibit Y** to my affidavit is Timo Hakkarainen's e-mail of November 28, 2011 indicating that "we are very close to getting a draft CCRA ready to be sent to you for review and consideration.

SWORN BEFORE ME at the

Town of Red Lake, in the

Municipality of Red Lake, this

1<sup>st</sup> day of December, 2011.

TORONTO: 281355\1 (96289)

F.O. BOX 307

GED LAKE, ONTARIO

POV 2M0

This is Exhibit "A" referred to in the Affidavit of Luc Major sworn December 1, 2011

Occours

Commissioner for Taking Affidavits (or as may be)

PUCSEL S. SMART
EXEMISTER, SOLICITOR & NOTARY FUELIG
P.O. BOX 307
FIED LAKE, ONTARIO
POV 2M0

From: Luc Major [luc.major@goldcorp.com]

Sent: Tuesday, August 30, 2011 9:22 AM

To: timo.hakkarainen@HydroOne.com

Cc: Curtis Pedwell

Subject: HONI Power Line & Switchyard Take-over

Timo,

Going forward Curtis has asked me to work with you on Goldcorp's behalf towards the power line and switchyard take-over. I will call you shortly to see where you are at with it.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458 This is Exhibit "B" referred to in the Affidavit of Luc Major sworn December 1, 2011

ncom

Commissioner for Taking Affidavits (or as may be)

PHOSEL S. SMART EARRISTER, SOLICITOR & NOTARY PUBLIC P.O. BOX 507
RED LAKE, ONTARIO
POV 2M0

From:

timo.hakkarainen@HydroOne.com

Sent:

Tuesday, August 30, 2011 4:25 PM

To:

Luc Major

Cc:

Curtis Pedwell; raj.ghai@HydroOne.com

**Subject:** 

RE: HONI Power Line & Switchyard Take-over

Attachments: Goldcorp RLGM Line Design Compatibility Review and Connection process information: Goldcorp

RLGM - Study Agreement for design compatibility review of engineering design of 115 kV line

Hi Luc - I look forward to working with you on the Goldcorp Red Lake Gold Mines transmission connection project. As discussed on the phone, I have attached two emails with correspondence with Curtis and Craig regarding the preliminary design review of the transmission line design.

I also noted that our grid operations outage planning folk had gueried me about the feasibility of having an eight hour outage on the E2R in January or February. I believe they are making preliminary plans for construction of the tap structures at Harry's corner and connection of the new transmission line to the E2R line. Could you confirm what dates you are presently looking at having the line ready for connection to the E2R line and if an eight hour outage on the E2R in January or February would be feasible considering all Red Lake TS load would be out for the extended period of time during the cold weather.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

Sent: Tuesday, August 30, 2011 9:22 AM

To: HAKKARAINEN Timo Cc: Curtis Pedwell

Subject: HONI Power Line & Switchyard Take-over

Timo,

Going forward Curtis has asked me to work with you on Goldcorp's behalf towards the power line and switchyard take-over. I will call you shortly to see where you are at with it.

Regards,

Luc Major **Major Consulting** Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

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From: timo.hakkarainen@HydroOne.com

**Sent:** Tuesday, July 19, 2011 2:07 PM

To: craig.prewett@snclavalin.com

Cc: Curtis Pedwell; raj.ghai@HydroOne.com

**Subject:** Goldcorp RLGM Line Design Compatibility Review and Connection process information

Follow Up Flag: Follow up Flag Status: Flagged

Attachments: CDR-COVERCUSTOMERdocumentationrequirements.xls

Hi Craig - regarding our phone conversation this morning. The web link below brings you to a page with information on the Transmission Customer Connection process. Note that normally the design compatibility review and COVER (Confirmation of Verification Evidence Report) occur at the very end of the connection process at the Commissioning Phase 6. This project is still the phase 3 to 4 area so your request to have Hydro One complete a design compatibly review is a bit early in the project.

I understand that since the customer plans to transfer the line to Hydro One you wish to gain a level of comfort on your design to ensure it will be acceptable to Hydro One and as a result you wish to have Hydro One do a design compatibly review of your design at this time. I have sent a Study Agreement to Curtis that when signed would provide the direction for Hydro One to complete a design compatibility review of your design at this time.

If we do a design review at this stage, we will still need to do the complete design compatibility review and COVER process at Phase 6 however any work that is completed during the first review will not be duplicated in the final review. As a result, even though we will still need a PO toward the cost of doing the Design Review and COVER at Phase 6 the scope of work will be reduced by whatever reviews are completed at this time.

http://www.hydroone.com/IndustrialLDCs/ConnectionProcess/Pages/GettingStarted.

The link below contains information on the Design Compatibility Review and OOVER process.

http://www.hydroone.com/IndustrialLDCs/Pages/COVER.aspx

The attached excel spreadsheet lists the type of information we need to do the Design Review and COVER process.

Please contact me if you have questions.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

# Compatibility Design Review/ COVER CUSTOMER Document Requirements Guide

Item Description	Activity				Remarks
	Preliminary Review	Compatibility Design Review	COVER	Extended Design Review - on request by E&CS only	Remarks- note all drawings submitted need to be in in pdf or Autcad 2004 format. Paper copies may be a requirement on request only
items 1-6 are minimum package requirem	ents	eth man and	. 4446;	Mark State Section	
1 Scope Document	X	×	×	ZALISANI SALIMBY	High level desription of work suitable to enable understanding of the project scope. Needs to identify whether or no wiring changes or rewiring are required for like for like changes. Include customer contacts for Engineering, Design and Commissioning
2 Drawing List	X	x	x		Needs to show dwg #, title and revision number
3 Construction Schedule	X	×	x		showing major milestones only
4 Purchase Order		x	×	eri also alecter (80)	Estimate Only -Billed on actual costs
5 Existing and New Detailed Single Line Diagram (SLD) or Schematic 1 line		×	<b>X</b>		SLD should show ratings of high voltage electrical components, CT/VT ratios, generator (if any) & transformer neutral grounding, protection, metering, synchronizing schemes etc.
6 Interface Electrical Equipment Nameplate Data/Data Sheets/ Manufacturers Nameplate/ IESO Equipment Registration Forms	¥n⊃s Israelin — i	X	X		Transformers, CTs, VTs, isolating / disconnect device, HV circuit, breakers, fuses, surge arresters and other interface equipment - required for all installation of new power equipment- also required for TCA
Items Below are optional depending on so	one of work -c	ule of thumb -if:	the equipm	 neat is "touched" it i	s required
7 Commissioning & Verification Procedure and Schedule			×		Required to be Submitted to COVER Cordinator by Customer for COVER Process - does not need to be required until COVER process is entered. Under H1's filed connection procedures the customer must submit no later than 30 days prior
8 Description of Protection Scheme (shall include type/model of relays used)		x	×		Philosophy of tripping for internal & external faults, interaction with the teleprotection signals (if any), islanding and other abnormal conditions- required for changes involving protection setting & design
9 Description of Synchronizing Scheme (if any)		×	×		Generation should be shown on the SLD - required for any embedded generation that can be synchronized to the grid Not required for isosynchronous stand by generation
10 Station DC Single Line Diagram		x	х		Include ratings of circuits batteries and chargers etc. Required for new protection design.
11 General Arrangement/Layout Drawing of Customer CTS Facilities			x	×	
12 Electrical Layout Drawings				x	Drawings showing the arrangement of electrical panels in the electrical room, electrical panel layout etc.
13 Protection AC / 3-Line Schematic EWD	(			x	
14 Breaker and Isolating Device /Disconnecting Switch Control Schematics			x	×	if Requested by COVER Coordinator for WPC requirements . Equipment will be identified as per SLD where operation of that equipment impacts Hydro One system
15 Line Protection DC Schematics / EWD		x	×		IF Requested - Equipment will be identified as per SLD where operation of that equipment impacts Hydro One system
16 Transformer Protection DC Schematics/EWD		×	×		Equipment will be identified as per SLD where operation of that equipment impacts Hydro One system
17 Tele-protection DC Schematic / EWD		×	×		If Any
18 Breaker Failure Protection DC Schematic /EWD		×	×		If Any- only required for Breakers that impact Hydro One system
19 Interface Protection Relay / Fuse Coordination Study Curves and Settings		×			Customer interface protection relay/fuse must co-ordinate with upstream Hydro One protection relay device
20 Relay Logic Diagrams / Tripping Matrix		×	x		
21 Short Circuit and Fault Studies Calculations		×		×	
22 Relay Setting Summaries		×			
23 Detailed Relay Settings		<del> </del>		x	4
24 HV Equipment Operating philosophy			<u> </u>	x	
25 Station Grounding Design/GPR calculation				×	

From:

timo.hakkarainen@HydroOne.com

Sent:

Monday, July 18, 2011 2:45 PM

To:

**Curtis Pedwell** 

Cc:

raj.ghai@HydroOne.com

Subject:

Goldcorp RLGM - Study Agreement for design compatibility review of engineering design of

115 kV line

Follow Up Flag: Follow up Flag Status: Flagged

Attachments:

Goldcorp RLGM Line Design Compatibility Review - Study Agreement Jul 18 fd.doc; Template

- Study - Standard\_Study\_Agreement\_TC\_(V4\_December 2010)[1].pdf

Curtis – as discussed on the phone on several occasions. SNC Lavalin has asked us to do a line design compatibility review of their engineering design for the new 10.7 km of customer built transmission line to ensure its acceptability for transfer to Hydro One. Attached is a Study Agreement with Terms and Conditions for Hydro One to complete this design review. Note the study agreement and the cost estimate to do the work of \$40,000 is made up of two portions; the line design review at \$25,000; and review of the environmental assessment documentation at \$15,000.

If you do not wish to have the review of the environmental documentation, we ca re-write the agreement and take out the environmental documentation requirements and reduce the cost by \$15,000. Both reviews will eventually be done so any work done at this stage will save on the amount of work at the final design review and COVER process when the project nears completion.

Please review and sign the agreement and return it along with a Purchase Order and we will complete the design review of the documentation provided to us by SNC Lavalin. Also please add the PO number to the agreement and remove the comment in section V (b) on the final signed copy.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

# Line Design Compatibility Review Study Agreement - Red Lake Gold Mines Supply System Expansion

(Goldcorp Inc.) (the "Customer") has requested and Hydro One Networks Inc. ("Hydro One") has agreed to perform the Work described below to determine the feasibility, impact and/or estimated cost of the Proposed Project defined below and to undertake the Work (as defined in the Scope of Work attached hereto as Schedule "A"), under the Standard Study Agreement Terms and Conditions v. 4 (December 2010) attached hereto as Schedule "B" and both forming a part hereof (the "Agreement").

### I. Proposed Project

The Customer intends to build 10.7km of new 115 kV transmission line from a new Customer-owned Transformer Station called Balmer TS ("Balmer TS") and will connect the new line to Hydro One's transmission system at Hydro One's E2R line 5.0 km South of Hydro One's Red Lake Transformer Station. The Customer will design and build the 10.7 km of new 115 kV transmission line in accordance with the Hydro One functional and design standards that were provided by Hydro One. The Customer intends to transfer the 10.7 km of new 115 kV transmission line to Hydro One under the contestability section of the Transmission System Code. The Customer is requesting Hydro One to perform a design compatibility review of the engineering design for the new 10.7 km of 115 kV line to ensure its acceptability for transfer to Hydro One.

### II. Information Requirements

The Customer shall provide Hydro One with the following information:

#### A) Line Design

- 1) PLS-Cadd, PLS-Pole backup file, if any
- 2) Line Plan and Profile drawings
- 3) Hardware drawings
- 4) Insulator drawings
- 5) Line design summary sheet
- 6) Line crossing drawings, if any
- 7) Any approvals the Customer has from MOE or MTO etc.
- 8) All drawings for various line structures
- 9) Line structure loading criterion calculations
- 10) Foundation design and drawings, if any
- 11) Conductor sag and tension calculations
- 12) Origin of material sources for line hardware etc.
- 13) What would be the minimum clearance for this line

### B) Environmental Assessment:

- 1. A summary of all environmental permit and approvals acquired and associated regulatory/community consultation
- 2. Copies of all such approvals plus any associated terms and conditions that would apply post construction
- 3. A summary of any commitments made in the EA to post construction remediation, community consultation, effects monitoring, regulatory reporting etc; and

v. 4 (December 2010)

4. An agreement to cover the cost of any permits potentially missed by the Customer's consultants and associated remedial action.

#### C) General:

- 1) All information to be provided electronically. This work involves only review of Customer line design.
- Where any of the Environmental Assessment information identified above is available on a website, a link should be provided
- [where applicable], a completed Impact Assessment Application for System Impact Assessment by the IESO and Customer Impact Assessment by Hydro One, available at www.ieso.ca
- 4) If available, any regulatory approvals for the proposed line.

### III. Completion Date:

Hydro One shall complete the Work by no later than sixty (60) Business Days after the latest of:

- (a) the Customer executing this Agreement;
- (b) the Customer paying Hydro One the amount specified below in (b) under the heading "Costs";
- (c) the Customer providing the information described above under the heading "Information Requirements"; and
- (d) the Customer providing Hydro One with a copy of the IESO System Impact Assessment for the Proposed Project.

# IV. Impact of Subsequent Changes to the Information Provided by Customer or to the IESO System Impact Assessment

If:

- (a) the Customer makes any changes to the information provided by the Customer as described above under the heading "Information Requirements" after Hydro One has commenced the Work; or
- (b) the IESO makes any changes to the IESO System Impact Assessment;

and any of the changes in (a) or (b):

- (i) results in an increase in the cost of Hydro One performing the Work, then, notwithstanding the payments contemplated below under the heading "Costs", the Customer shall make such further payment(s) as may be required by Hydro One in the time specified by Hydro One; and
- (ii) otherwise affects any other provision of this Agreement, including (but not limited to) the time required for completion of the Work, the parties shall negotiate and agree upon the required amendments to this Agreement, and Hydro One shall be under no obligation to resume performance of the Work until such time as the parties agree in writing on such amendments.

v. 4 (December 2010)

### V. Costs

- (a) The Customer shall pay Hydro One's Actual Cost of performing the Work, which amount is estimated to be \$40,000.00 plus applicable Taxes.
- (b) Within 90 days after the completion of the Work, Hydro One shall provide the Customer with a final invoice for the Actual Cost of performing the Work. Within 30 days after the said final invoice is rendered by Hydro One, the actual amount (plus applicable Taxes) shall be paid by the Customer. Hydro One agrees to reference Purchase Order # |XXXXXXXX| in the invoice.

Comment [TK1]: PO # to be provided in advance.

### VI. HST Registration Information

The HST registration number for Hydro One is 87086-5821 RT0001 and the HST registration number for the Customer is 85 600 078 RT 0001.

# VII. No Commitment to Back Feed and Ready for Service Dates for the Proposed Project Until CCRA Execution

The Customer acknowledges and agrees that Hydro One cannot agree to be bound to a ready for service date or a back feed date for the Proposed Project until such time as Hydro One and the Customer have executed a Connection and Cost Recovery Agreement for the Proposed Project.

[Signature Page Follows]

### VIII. Term

Except as expressly set out in this Agreement, this Agreement shall be in full force and effect and binding on the parties upon the date that this Agreement was executed by Hydro One and shall expire on the date that is after the latest of:

- (a) Hydro One performing all of the Work; and
- (b) the Customer paying all amounts required to be paid by the Customer under the terms of this Agreement.

Termination of this Agreement for any reason shall not affect the liabilities of either party that were incurred or arose under this Agreement prior to the time of termination. Termination of this Agreement for any reason shall be without prejudice to the right of the terminating Party to pursue all legal and equitable remedies that may be available to it including, but not limited to, injunctive relief.

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed by the signatures of their proper officers, as of the Execution Date written below.

### **HYDRO ONE NETWORKS INC.**

Brad Colden

Manager Customer Business Relations

Execution Date:

I have the authority to bind the Corporation

### GOLDCORP INC.

Curtis Pedwell

Maintenance Manager

I have the authority to bind the Corporation

SCHEDULE "A": Scope of Work – Line Design Compatibility Review

### **General Description:**

Hydro One will review Customer line design in terms of

- I. The line design should meet all Hydro One technical and functional specifications provided to Customer earlier and especially the line is being built to required clearances and right of way requirements.
- II. The material being specified can meet the ambient temperature, wind and precipitation of the
- III. Line construction methods, if available.
- IV. Line already meets all regulatory and environmental requirements.

Customer is still responsible for meeting all functional and technical specifications provided to them by Hydro One on completion of the line.

### 1. Definitions

In the Agreement, unless there is something in the subject matter or context inconsistent therewith, the following words shall have the following meanings:

- "Actual Cost" means Hydro One's charge for equipment, labour and materials at Hydro One's standard rates plus Hydro One's standard overheads and interest thereon.
- "Applicable Laws" means any and all applicable laws, including environmental laws, statutes, codes, licensing requirements, treaties, directives, rules, regulations, protocols, policies, by-laws, orders, injunctions, rulings, awards, judgments or decrees or any requirement or decision or agreement with or by any government or government department, commission, board, court or agency.
- "Business Day" means a day that is not a Saturday, Sunday, statutory holiday in Ontario or any other day on which the principal chartered banks located in the City of Toronto are not open for business during normal banking hours.
- "Code" means the *Transmission System Code*, the code of standards and requirements issued by the OEB on July 25, 2005 that came into force on August 20, 2005 as published in the Ontario Gazette, as it may be amended, revised or replaced in whole or in part from time to time.

### "Confidential Information" means:

- (i) the terms of the Agreement and the operations and dealings under the Agreement;
- (ii) all information disclosed by a party to the other party under the Agreement or in negotiating the Agreement which by its nature is confidential to the party disclosing the information, including, but not limited to, Hydro One's transmission system design and system specifications.; and
- (iii) all interpretative reports or other data generated by a party that are based in whole or in part on information that is made Confidential Information by clauses (i) and (ii).
- "Connection Agreement" means the form of connection agreement appended to the *Code* as Appendix 1, Version A or B, as appropriate to the Customer.
- "Customer's Facilities" has the meaning set forth in the Code, and includes, but is not limited to any new, modified or replaced Customer's Facilities.
- "IESO" means the Independent Electricity System Operator.

- "Good Utility Practice" has the meaning set forth in the Code.
- "Lender" means a bank or other entity whose principal business is that of a financial institution.
- "OEB" means the Ontario Energy Board.
- "OEB-Approved Connection Procedures" means Hydro One's connection procedures as approved by the OEB from time to time.
- "Person" shall include individuals, trusts, partnerships, firms and corporation or any other legal entity.
- "Representative" means (i) a person controlling or controlled by or under common control of a party and each of the respective directors, officers, employees and independent contractors of a party and such party's Representative, (ii) any consultants, agents or legal, financial or professional advisors of a party or such party's Representative and (iii) in the case of Customer, any institution providing or considering providing financing for the Proposed Project, including such institution's directors, officers, employees and independent contractors or its consultants, agents or legal, financial or professional advisors.
- "Taxes" means all property, municipal, sales, use, value added, goods and services, harmonized and any other non-recoverable taxes and other similar charges (other than Taxes imposed upon income, payroll or capital).
- "Work" means the work to be conducted in accordance with the Scope of Work attached to the Agreement as Schedule "A".

### 2. Representations and Warranties

Each party represents and warrants to the other that:

- (a) it is duly incorporated, formed or registered (as applicable) under the laws of its jurisdiction of incorporation, formation or registration (as applicable);
- (b) it has all the necessary corporate power, authority and capacity to enter into the Agreement and to perform its obligations hereunder;
- (c) the execution, delivery and performance of the Agreement by it has been duly authorized by all necessary corporate and/or governmental and/or other organizational action and does not (or would not with the giving of notice, the lapse of time or the happening of any other event or condition) result in a violation, a breach or a default under or give rise to termination, greater rights or increased costs, amendment or cancellation or the acceleration of any obligation under

- (i) its charter or by-law instruments; (ii) any material contracts or instruments to which it is bound; or any laws applicable to it:
- (d) any individual executing the Agreement, and any document in connection herewith, on its' behalf has been duly authorized by it to execute The Agreement and has the full power and authority to bind it;
- (e) the Agreement constitutes a legal and binding obligation on it, enforceable against it in accordance with its terms:
- (f) it is registered for purposes of Part IX of the Excise Tax Act (Canada); and
- (g) no proceedings have been instituted by or against it with respect to bankruptcy, insolvency, liquidation or dissolution.
- 3. The Customer and Hydro One shall perform their respective obligations outlined in the Agreement in a manner consistent with Good Utility Practice and in compliance with all Applicable Laws.
- 4. Except as provided herein, Hydro One makes no representation or warranty, express, implied, statutory or otherwise, including, but not limited to, any representation or warranty as to the merchantability or fitness of the Work or any part thereof for a particular purpose.

### 5. Customer Covenants

The Customer acknowledges and agrees that:

- (a) Hydro One has informed the Customer that the OEB-Approved Connection Procedures apply to the Proposed Project;
- (b) should the Proposed Project proceed, an agreement must be executed by the Customer and Hydro One to address the terms and conditions (which may include terms with respect to capital contributions required to be made) of Hydro One performing the work required in order to provide for the connection of the Customer's Facilities prior to Hydro One initiating any modifications to Hydro One's facilities or purchasing any equipment;
- (c) the Customer will be responsible for ensuring that the Proposed Project complies with all Applicable Laws;
- (d) if the Customer is a Generator Customer (as that term is defined in the Code), the Customer shall rectify at its expense, any negative impacts that the connection of the Customer's generation facility and operation of the generation facility following connection may have on Hydro One's transmission system in accordance with the terms of the

- Connection Agreement, the Code and any applicable reliability standards;
- (e) if the Customer is a Generator Customer (as that term is defined in the Code), the Customer is responsible for:
  - providing the IESO with the modeling and studies to show the acceptable dynamic behavior of the generators as specified in the IESO Assessment; and
  - ii. any resulting requirements that come from the IESO's review of dynamic studies that were or are not part of the IESO's System Impact Assessment including, but not limited to changes required to be made to the Work as a consequence of such review;
- (f) the Customer shall obtain all applicable approvals required by the IESO for the connection of the Proposed Project;
- (g) all right, title and interest, including copyright ownership, to all information and material of any kind whatsoever (including, but not limited to the work product developed as part of the Work) that may be developed, conceived and/or produced by Hydro One during the performance of the Agreement is the property of Hydro One, and the Customer shall not do any act that may compromise or diminish Hydro One's interest as aforesaid;
- (h) if the Work involves Hydro One preparing a Customer Impact Assessment, the Customer consents, notwithstanding any term to the contrary in the Agreement, to Hydro One releasing the completed Customer Impact Assessment Report to be prepared by Hydro One to the IESO, the Ontario Electrical Safety Authority and customers connected to Hydro One's transmission system in the vicinity of the Proposed Project that may be affected by the Proposed Project;
- (i) if the Work involves Hydro One preparing a Customer Impact Assessment, it may provide a deposit to the IESO for the IESO studies in relation to the Proposed Project. In the event that the IESO refunds part of the deposit to Hydro One, Hydro One will refund such funds to the Customer within 30 days of receipt by Hydro One. In the event that the IESO studies cost more than the deposit, the Customer agrees that it will pay the additional costs of such studies as invoiced to Hydro One by the IESO; and
- (j) Hydro One performs the Work based on the known and anticipated system conditions at the time the Work is performed, should there be any changes to system conditions, including, anticipated system

conditions, between the time that Hydro One completes the Work and when the Customer proposes to connect the Proposed Project, the Work may have to be revised at the Customer's expense at that time.

### 6. Code Revisions and Amendments

This Agreement is subject to the *Transmission System Code* and the OEB-Approved Connection Procedures. If any provision of this Agreement is inconsistent with the:

- (a) Transmission System Code, the said provision shall be deemed to be amended so as to comply with the Transmission System Code; or
- (b) OEB-Approved Connection Procedures the said provision shall be deemed to be amended so as to comply with the OEB-Approved Connection Procedures.

### 7. Liability and Force Majeure

PART III: LIABILITY AND FORCE MAJEURE and Sections 1.1.12 and 1.1.17 of the Connection Agreement are hereby incorporated in their entirety by reference into, and form an integral part of the Agreement. Unless the context otherwise requires, all references in PART III: LIABILITY AND FORCE MAJEURE TO "the Agreement" shall be deemed to be a reference to the Agreement and all references to the "the Transmitter" shall be deemed to be a reference to Hydro One.

For the purposes of this Section 7, the Parties agree that the reference to:

- (i) the Transmitter in lines 3 and 4 of Section 15.1 of the Connection Agreement means the Transmitter or any party acting on behalf of the Transmitter such as contractors, subcontractors, suppliers, employees and agents; and
- (ii) the Customer in lines 3 and 4 of Section 15.2 of the Connection Agreement means the Customer or any party acting on behalf of the Customer such as contractors, subcontractors, suppliers, employees and agents.

The parties agree that the aggregate liability of Hydro One under the Agreement and in particular under this Section 7 shall at no time exceed the Actual Cost of the Work.

This Section 7 shall survive the termination of the Agreement.

## 8. Events of Default

8.1 Each of the following events shall constitute an "Event of Default" under the Agreement:

- (a) failure by the Customer to pay any amount due under the Agreement;
- (b) breach by the Customer or Hydro One of any term, condition or covenant of the Agreement; or
- (c) the making of an order or resolution for the winding up of the Customer or Hydro One or of their respective operations or the occurrence of any other dissolution, bankruptcy or reorganization or liquidation proceeding instituted by or against the Customer or Hydro One.

8.2 Upon the occurrence of an Event of Default by the Customer hereunder (other than those specified in Subection 8.1(c) of the Agreement, for which no notice is required to be given by Hydro One), Hydro One shall give the Customer written notice of the Event of Default and allow the Customer 15 calendar days from the date of receipt of the notice to rectify the Event of Default, at the Customer's sole expense. If such Event of Default is not cured to Hydro One's reasonable satisfaction within the 15 calendar day period, Hydro One may, in its sole discretion, exercise the following remedy in addition to any remedies that may be available to Hydro One under the terms of the Agreement, at common law or in equity: deem the Agreement to be repudiated and, after giving the Customer at least 10 calendar days' prior written notice thereof, recover, as liquidated damages and not as a penalty, the sum of the amounts payable by the Customer less any amounts already paid by the Customer under the terms of the Agreement.

8.3 Upon the occurrence of an Event of Default by Hydro One hereunder (other than those specified in Subection 8.1(c), the Customer shall give Hydro One written notice of the Event of Default and shall allow Hydro One 15 calendar days from the date of receipt of the notice to rectify the Event of Default at Hydro One's sole expense. If such Event of Default is not cured to the Customer's reasonable satisfaction within the 15 calendar day period, the Customer may pursue any remedies available to it at law or in equity, including at its option the termination of the Agreement.

8.4 All rights and remedies of Hydro One and the Customer provided herein are not intended to be exclusive but rather are cumulative and are in addition to any other right or remedy otherwise available to Hydro One and the Customer respectively at law or in equity, and any one or more of Hydro One's and the Customer's rights and remedies may from time to time be exercised independently or in combination and without prejudice to any other right or remedy Hydro One or the Customer may have or may not have exercised. The parties further agree that where any of the remedies provided for and elected by the non-defaulting party are found to be unenforceable, the non-defaulting party shall not be

precluded from exercising any other right or remedy available to it at law or in equity.

#### 9. Confidential Information

### 9.1 Disclosures of Confidential Information

Pursuant to the terms and conditions contained herein, a party may disclose Confidential Information to the other party solely for the purpose of the Proposed Project or the Work. Notwithstanding such disclosure the Confidential Information shall remain the sole and exclusive property of the disclosing party and as such shall be maintained in confidence by the receiving party using the same care and discretion to avoid disclosure as the receiving party uses with its own similar information that it does not wish to disclose. The receiving party may disclose Confidential Information to Representatives pursuant to Section 9.3 below but may not use or disclose it to others without the disclosing party's prior written consent. Notwithstanding the generality of the foregoing, all intellectual property rights which may subsist in the Confidential Information shall remain with the disclosing party. The receiving party shall not use the confidential information for any purposes other than the Proposed Project or the Work without the disclosing party's prior written consent.

### 9.2. Information that is not Confidential

Confidential Information shall not include information which:

- (a) is previously known to or lawfully in the possession of the receiving party prior to the date of disclosure as evidenced by the receiving party's written record;
- (b) is independently known to or discovered by the receiving party, without any reference to the Confidential Information;
- (c) is obtained by the receiving party from an arm's length third party having a bona fide right to disclose same and who was not otherwise under an obligation of confidence or fiduciary duty to the disclosing party or its Representatives;
- (d) is or becomes publicly available through no fault or omission of, or breach of this Schedule "B" by, the receiving party or its Representatives;
- (e) is disclosed by the disclosing party to another entity without obligation of confidentiality;
- (f) is required to be disclosed on a non-confidential basis by operation of law or pursuant to a final judicial or governmental order;
- (g) is disclosed in the circumstances described in Section 4.7.2 of the Code; or
- (h) is contained in the Customer Impact Assessment report prepared by Hydro One and released by Hydro One to customers connected to Hydro One's transmission system in the vicinity of the Proposed Project that may be affected by the Proposed

Project, the Ontario Electrical Safety Authority and the IESO.

### 9.3. Disclosure to Representatives

Confidential Information shall only be disclosed to Representatives who need to know the Confidential Information for the purposes of the Proposed Project or the Work. Except in the case of officers, directors or employees, Confidential Information may only be disclosed to Representatives where the receiving party has an agreement in place with those Representatives sufficient to obligate them to treat the Confidential Information in accordance with the terms hereof. The receiving party hereby specifically acknowledges that it shall be solely responsible to ensure that its Representatives comply with the terms of this Section 9 and that the receiving party shall defend, indemnify and hold harmless the disclosing party from and against all suits, actions, damages, claims and costs arising out of any breach of this Section 9 by the receiving party or any of its Representatives.

### 9.4 Compelled Disclosure

In the event that a receiving party, or anyone to whom a receiving party transmits Confidential Information pursuant to this Section 9 or otherwise, becomes legally compelled to disclose any Confidential Information, the receiving party will provide the disclosing party with prompt notice so that the disclosing party may seek injunctive relief or other appropriate remedies. In the event that both parties are unable to prevent the further transmission of the Confidential Information, the receiving party will, or will use reasonable efforts to cause such person to whom the receiving party transmitted the Confidential Information to furnish only that portion of the Confidential Information, which the receiving party is advised by written opinion of counsel is legally required to be furnished by the receiving party, to such person and exercise reasonable efforts to obtain assurances that confidential treatment will be afforded to that portion of the Confidential Information so furnished.

## 9.5 Records with respect to Confidential Information

The receiving party shall keep all written or electronic confidential information furnished to or created by it. All such Confidential Information, including that portion of the Confidential Information which consists of analyses, compilations, studies or other documents prepared by the receiving party or by its Representatives, is the disclosing party's property and will be returned immediately to the disclosing party or destroyed upon its request and the receiving party agrees not to retain any copies, extracts or other reproductions in whole or in part. If a receiving party does not receive a request to

return Confidential Information to the disclosing party within six months of the last communication between the parties concerning the Proposed Project or the Work then the receiving party shall destroy any Confidential Information it holds.

Notwithstanding the foregoing and provided that the Proposed Project is connected to Hydro One's transmission system, Hydro One shall have the right to retain such electrical information concerning the Proposed Project that it has received from the Customer or its Representatives for the purpose of Hydro One making the required calculations and decisions related to the design, operation, and maintenance of Hydro One's facilities and those for any other person that may connect or is considering connecting to Hydro One's transmission system that could be impacted by or could impact the Proposed Project.

### 9.6 Remedies

The receiving party agrees that the disclosing party would be irreparably injured by a breach of this Section 9 and that the disclosing party shall be entitled to equitable relief, including a restraining order, injunctive relief, specific performance and/or other relief as may be granted by an court to prevent breaches of this Section 9 and to enforce specifically the terms and provision hereof in any action instituted in any court having subject matter jurisdiction, in addition to any other remedy to which the disclosing party may be entitled at law or in equity in the event of any breach of the provisions hereof. Such remedies shall not be deemed to be the exclusive remedies for a breach of this Section 9 but shall be in addition to all other remedies available at law or equity.

### 9.7 Obligations Survive Termination

The obligations in this Section 9 shall be effective as of the date of this Agreement and shall remain in force and effect in perpetuity unless modified by further written agreement of the parties.

### 10. Assignment for Financing Purposes

- (a). The Customer may, without the written consent of Hydro One, assign by way of security only all or any part of its rights or obligations under the Agreement to a Lender(s). The Customer shall promptly notify Hydro One, in writing, upon making such assignment.
- (b) The Customer may disclose confidential information of Hydro One to a Lender or prospective Lender provided that the Customer has taken all precautions as may be reasonable and necessary to prevent unauthorized use or disclosure of Hydro One's confidential information by a Lender or prospective Lender.

- (c) Where a notice of an Event of Default has been served on the Customer under Section 8.2, an agent or trustee for and on behalf of the Lender(s) ("Security Trustee") or a receiver appointed by the Security Trustee ("Receiver") shall upon notice to Hydro One be entitled (but not obligated) to exercise all of the rights and obligations of the Customer under the Agreement and shall be entitled to remedy the default specified in the notice of default within the cure period referred to in Section 8.2. Hydro One agrees to accept performance of the Customer's obligations under the Agreement by the Security Trustee or Receiver in lieu of the Customer's performance of such obligations, and will not exercise any right to terminate the Assigned Agreements due to an event of default if the Security Trustee, its nominee or transferee, or the Receiver acknowledges in writing its intention to be bound by the terms of the Assigned Agreements by notifying Hydro One, and such acknowledgment is received within 15 calendar days of the date of receipt by the Generator of the notice of default.
- (d) the Lender will have no obligation or liability under the Agreement by reason of the assignment until such time as the Lender, the Security Trustee or the Receiver exercises any of the rights or obligations of the Customer under the Agreement.
- (e) The Customer shall be deemed to hold the provisions of this Section 10 that are for the benefit of Lender(s) in trust for such Lender(s) as third party beneficiary(ies) under the Agreement.

### 11. General

- (a) Subject to Section 6, any amendment to the Agreement shall be made in writing and duly executed by both parties..
- (b) Unless otherwise specified, references in the Agreement to Sections or Schedules are to sections, articles and Schedules of the Agreement. Any reference in the Agreement to any statute, regulation, any OEB-approved documents or any section thereof will, unless otherwise expressly stated, be deemed to be a reference to such statute, regulation, document or section as amended, restated or re-enacted from time to time. The insertion of headings is for convenience only, and shall not affect the interpretation of the Agreement. Unless the context requires otherwise, words importing the singular include the plural and vice versa. The words "including" or "includes" means including (or includes) without limitation.
- (c) The failure of either party hereto to enforce at any time any of the provisions of the Agreement or to

exercise any right or option which is herein provided shall in no way be construed to be a waiver of such provision or any other provision nor in any way affect the validity of the Agreement or any part hereof or the right of either party to enforce thereafter each and every provision and to exercise any right or option. The waiver of any breach of the Agreement shall not be held to be a waiver of any other or subsequent breach. Nothing shall be construed or have the effect of a waiver except an instrument in writing signed by a duly authorized officer of the party against whom such waiver is sought to be enforced which expressly waives a right or rights or an option or options under the Agreement.

- (d) Other than in accordance with Section 10 above, the Agreement may not be assigned without the written consent of the other party, which consent will not be unreasonably withheld.
- (e) The Agreement may be executed in counterparts, including facsimile counterparts, each of which shall be deemed an original, but all of which shall together constitute one and the same agreement.
- (f) The Agreement shall be construed and enforced in accordance with, and the rights of the parties shall be governed by, the laws of the Province of Ontario and the laws of Canada applicable therein.
- (g) Invoiced amounts are due 30 days after invoice issuance. All overdue amounts including, but not limited to amounts that are not invoiced but required under the terms of this Agreement to be paid in a specified time period, shall bear interest at 1.5% per month compounded monthly (19.56 percent per year) for the time they remain unpaid.
- (h) The obligation to pay any amount due and payable hereunder shall survive the termination of the Agreement.
- (i) The Agreement will supersede the terms of any purchase orders issued by the Customer to Hydro One in respect of the Proposed Project irrespective of whether same have been issued by Customer and/or accepted by Hydro One on or after the execution of this Agreement by the Customer.

This is Exhibit "C" referred to in the Affidavit of Luc Major sworn December 1, 2011

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Commissioner for Taking Affidavits (or as may be)

RUOSEL S. SMART Eastlister, solicitor & notary fuelig P.O. BOX 907 RED LAKE, ONTARIO POV 2M0

From: Luc Major [luc.major@goldcorp.com]

Sent: Wednesday, September 14, 2011 9:36 AM

To: timo.hakkarainen@HydroOne.com

Cc: Curtis Pedwell

Subject: Draft CCRA

Timo,

I have left messages on your voice mail. How are you and Raj doing with the draft CCRA?

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458 This is Exhibit "D" referred to in the Affidavit of Luc Major sworn December 1, 2011

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Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART
EARTHSTER, SOLICITOR & NOTARY PUBLIC
P.O. BOX 307
FIED LAKE, ONTARIO
POV 2M0

From: timo.hakkarainen@HydroOne.com

Sent: Wednesday, September 14, 2011 9:46 AM

To: Luc Major

Cc: Curtis Pedwell

Subject: RE: Draft CCRA

We are working on it.

Once we have all the data input and reviewed by our legal folks I will send you a copy for your review and signing.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

**From:** Luc Major [mailto:luc.major@goldcorp.com] **Sent:** Wednesday, September 14, 2011 9:36 AM

To: HAKKARAINEN Timo Cc: Curtis Pedwell Subject: Draft CCRA

Timo,

I have left messages on your voice mail. How are you and Raj doing with the draft CCRA?

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

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This is Exhibit "E" referred to in the Affidavit of Luc Major sworn December 1, 2011

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Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART BARRISTER, SOLICITOR & NOTARY PUBLIC P.O. BOX 307 RED LAKE, ONTARIO POV 2MO

From:

timo.hakkarainen@HydroOne.com

Sent:

Tuesday, October 04, 2011 4:28 PM

To:

Luc Major

Cc:

Curtis Pedwell; raj.ghai@HydroOne.com

Subject:

FW: Goldcorp's 115 kV Transmission Line from South of Harry's Corner to Balmer Complex

Transformer Station Approved by the OEB I reply to Rai's e-mail of January 21, 2011.

Attachments: Goldcorp Information Request.PDF: 110726V3-InfoReg-Scenarios-byQuarter.xls:

Goldcorp load Projection.xls

Luc - Raj and I need to talk to you about the load forecast that will be used for the CCRA. Please review the email and attachments from Raj and let me know when you would be available to have a conference call tomorrow if possible.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: GHAI Raj

Sent: Tuesday, October 04, 2011 4:16 PM

To: HAKKARAINEN Timo Cc: EL NAHAS Ibrahim

Subject: FW: Goldcorp's 115 kV Transmission Line from South of Harry's Corner to Balmer Complex

Transformer Station Approved by the OEB I reply to Raj's e-mail of January 21, 2011.

The load forecast provided by Goldcorp is attached and I have added an additional line in the Goldcorp forecast to reflect total load on 115 kV line E2R (.file Goldcorp projections). The Goldcorp load Forecast is from 2011 to 2014 whereas we need load forecast for 15 years to be used in the CCRA Discounted Cash Flow (DCF) calculations. Moreover the total load shown in 2011 is much higher than the current load on Red Lake TS which is the only load on E2R. As per IESO SIA -2010-407 the following upgrades need to be done before load can be increased beyond 57 MVA on 115 kV line E2R:

- 1) The maximum load that can be supplied by circuit E2R with no additional reactive compensation at Ear Falls TS is 57 MVA;
- 2) The maximum load that can be supplied by circuit E2R with additional reactive compensation at Ear Falls TS is 63 MVA. The amount of reactive compensation that must be made available at the 115 kV bus in Ear Falls TS to achieve this load level is at least 26 Mvar;
- 3) Load levels on circuit E2R above 63 MVA, up to a maximum of 73 MVA could be achieved upon installing a load rejection scheme, in addition to at least 26 Mvar of reactive compensation located at Ear Falls TS;

4) Load levels on circuit E2R in excess of 73 MVA require supplementary measures, some of which include, but are not limited to: upgrading the existing circuits, installing new transmission circuits or installing additional (drought independent) generation.

Goldcorp can not assume load going beyond 57 MVA without getting the upgrades identified by IESO done. Also, the customer increasing the load will be responsible for the costs of all upgrades and the lead time needed. Based on above can you please give us 15 years load forecast.

Please call us if you need clarifications of to discuss.

## Raj Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

**From:** Blue, Ian [mailto:iblue@gardiner-roberts.com]

Sent: Tuesday, July 26, 2011 3:05 PM

To: GHAI Raj; MARTIN Naomi

Cc: 'Curtis Pedwell'; Kathi Litt; 'Luc Major'

Subject: Re: Goldcorp's 115 kV Transmission Line from South of Harry's Corner to Balmer Complex Transformer

Station Approved by the OEB I reply to Raj's e-mail of January 21, 2011.

Hi Naomi and Rai,

Goldcorp has now decided that as soon as its new 115 kV line which we have referred to for shorthand purposes as **GL1** is commissioned, Goldcorp will transfer the electricity supply for the Red Lake, Campbell and Balmer Complexes from the E2R line onto GL1 and cease to rely on HONI's Red Lake Transformer Station (RLTS) and the section of E2R between the tap at Harry's Corner and the RLTS. Electricity for the Cochenour Complex will continue to be supplied through the RLTS and be received at distribution voltages.

### I enclose:

- 1. A table forecasting the unutilized capacity on HONI's facilities as a result of transferring electricity supply to GL1,
- A table that we ask you to complete in order to identify and quantify bypass charges under the Transmission System Code resulting from the described loading of GL1, and
- 3. Information Requests which we ask you to respond to, in good faith, in order to allow us to assess HONI's calculation of bypass charges.

Goldcorp requests HONI's co-operation.

If you have any questions, please let me know.

**Thanks** 

Ian A. Blue, Q.C. d 416-865-2962 iblue@gardiner-roberts.com GARDINER ROBERTS LLP Scotia Plaza, 40 King Street West, Suite 3100 Toronto, ON, Canada M5H 3Y2 t 416 865 6600 | f 416 865 6636 www.gardiner-roberts.com

**From:** raj.ghai@HydroOne.com [mailto:raj.ghai@HydroOne.com]

**Sent:** Friday, January 21, 2011 4:16 PM

To: Blue, Ian

**Cc:** cbouchard@rubiconminerals.com; dboyd@rubiconminerals.com; gord.caul@HydroOne.com; bdominique@casselsbrock.com; chris.dougherty@nordmin.com; timo.hakkarainen@HydroOne.com; sho@gardiner-roberts.com; gkumoi@rubiconminerals.com; klitt@era-inc.ca; luc.major@goldcorp.com; naomi.martin@HydroOne.com; michael.medeiros@HydroOne.com; nmelchio@wmnlaw.com; Andrew.Moshoian@goldcorp.com; bruce.parker@HydroOne.com; curtis.pedwell@goldcorp.com

Subject: RE: 101224-InfoReq-Scenarios.xls

lan,

We have reviewed the various scenarios presented in your January 10, 2011 e-mail and our comments are as follows:

- 1) In scenario 3, the dates were displaced and we have made the necessary changes. Please see the attached spread sheet for total loading for various scenarios as follows:
  - a. Load forecast for Red Lake TS for various scenarios from Dec. 2010 to Dec. 2014
  - b. Load forecast for Goldcorp proposed 115 kV line from Dec. 2010 to Dec. 2014
- 2) The decline in Red Lake TS load indicates the start of bypass i.e. December 11. The bypass is defined as transfer of customer existing load from the transmitter owned connection facility to the customer owned facility or a third party owned facility. The bypass can be temporary or permanent depending upon whether the transferred load returns back to the transmitter owned facility. Also, the bypass is calculated at a point in time when a customer transfers all or part of their load from transmitter owned facility resulting in stranding of all or part of the capacity.
- 3) The loading of Red Lake TS varies between December 2010 and December 2014 for various scenarios. Please indicate the point in time when we should calculate the bypass compensation for Red Lake TS. My proposal is to use December 2010 as the reference point for Red Lake TS load. There is a 5 MW drop in December 2012 and additional 4 MW load drop in December 2014 (total load drop of 9 MW).
- 4) The loading of new Goldcorp 115 kV line has no impact on Red Lake TS bypass calculations.

If you are in agreement with above then we can calculate bypass compensation.

### Raj Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

From: Blue, Ian [mailto:iblue@gardiner-roberts.com]

Sent: Monday, January 10, 2011 11:50 AM

To: Blue, Ian; Bourchard, C\_Rubicon; Boyd, D\_Rubicon; CAUL Gordon; Dominique,B\_Goldcorp; Dougherty,

C\_Rubicon; GHAI Raj; HAKKARAINEN Timo; Ho,S\_Goldcorp; Kumoi,G\_Rubicon; Litt,K\_Goldcorp;

Major, L. Goldcorp; MARTIN Naomi; MEDEIROS Michael; Melchiorre, N. Rubicon; Moshoian, A. Goldcorp; PARKER

Bruce: Pedwell, C Goldcorp

Subject: FW: 101224-InfoReg-Scenarios.xls

Please have a look at this IR that we should send to HONE stemming from our meeting wivh them of December 17th.

Ian A. Blue, O.C. d 416-865-2962 iblue@gardiner-roberts.com GARDINER ROBERTS LLP Scotia Plaza, 40 King Street West, Suite 3100 Toronto, ON, Canada M5H 3Y2 t 416 865 6600 | f 416 865 6636 www.gardiner-roberts.com

From: Kathi Litt [mailto:klitt@Elenchus.ca] Sent: Monday, January 10, 2011 11:02 AM

To: Blue, Ian

Subject: FW: 101224-InfoReq-Scenarios.xls

As promised

From: Kathi Litt

**Sent:** December 24, 2010 9:32 AM

To: Q. C. Ian A. Blue (iblue@gardiner-roberts.com)

Subject: 101224-InfoReq-Scenarios.xls

Hi lan

Attached is the draft information request to HONI – please review and revise and then circulate to the rest of the team.

Scenario 1 is intended to provide the Baseline data, Scenario 2 is an intended to scope the results of favourable timing of load changes while Scenario 3 is intended to scope the results of less than favourable timing of load changes.

You will see that I have assumed that All Other parties do not experience any load growth; this is because I have

incomplete information about magnitude and no information about timing.

The TSC references are sections 6.7 and 11.2.

By way of follow up:

Do you know the status of the SIA or any other reports from the IESO? Has Naomi provided any past Decisions on Stranded Assets? What is the status of Rubicon's Offer to Connect from HONI?

I think that's it, is there anything I've overlooked?

Kathi

This communication may be solicitor/client privileged and contains confidential information intended only for the persons to whom it is addressed. Any other distribution, copying or disclosure is strictly prohibited. If you have received this message in error, please notify us immediately and delete this message from your mail box without reading or copying it.

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Le contenu de cet envoi, peut être privilègié et confidentiel, ne s'adresse qu'au(x) destinataire(s) indiqué(s) ci-dessus. Toute autre distribution, expédition ou divulgation est strictement interdite. Si vous avez reçu ce message par erreur, svp informez-nous immédiatement et supprimez ce message de votre boîte de réception sans lecture ou la copier.

# Goldcorp Information Request by Goldcorp to Hydro One Networks Inc. July 26, 2011;

Re: Bypass Changes for Goldcorp's 115 kV line Approved by the OEB's Decision of July 20<sup>th</sup>, 2011 in EB-2011-0106

### 1. Re: Net Book Value of Red Lake Transformer Station (RLTS)

Please provide a continuity statement, organized by year, of the Net Book Value of the Red Lake TS that provides the value and date incurred of:

- (a) Capital additions
  - (i) Direct costs (eg., materials)
  - (ii) Indirect or allocated or assigned costs (eg., overheads)
  - (iii) Capitalized expenses (eg., labour, depreciation)
  - (iv) Other costs included in capital additions costs
- (b) Interest During Construction
- (c) Provision for End of Life costs (eg., environmental remediation, asset removal)
- (d) All other costs recorded to this asset
- (e) The annual depreciation expense of the Red Lake TS
- (f) The depreciation rate applied to the Red Lake TS
- (g) Any write downs, impairments, removals or other changes to the value of the RLTS.

#### 2. Re: rebuild and refurbishment of the Red Lake TS

Please provide the Red Lake area electricity load forecast relied on:

- (a) to support the decision to rebuild/refurbish the Red Lake TS in 2007
- (b) for engineering purposes when designing the 2007 Red Lake TS rebuild/refurbishment.

Please provide the following information:

- (c) the origin of the load forecast
- (d) the name of the party who provided the load forecast or data input to the load forecasting model;
- (e) documentation of all adjustments, revisions, updates and other changes made to this data by HONI and the supporting rationale.

### 3. Re: Red Lake capacity assigned to Goldcorp

Please provide a copy of the current connection agreement between HONI and Goldcorp, if any, with respect to RLTS available capacity and Goldcorp's assigned capacity on the Red Lake.

- (a) Please provide Goldcorp's annual assigned capacity on the Red Lake TS since 1995.
- (b) Please provide all reports or memorandum concerning the provision of capacity to Goldcorp at the Red Lake TS pursuant to section 6.2.7 of the Transmission System Code (TSC).

### 4. Re: definition or determination of time of bypass

Please provide HONI's definition of 'time of bypass' that is relied on when administering section 6.7.7 of the TSC.

### 5. Re: determination of bypass charges

Please provide the following information on the three most recent bypass charges remitted to HONI anywhere on HONI's system. Please protect customer confidentiality.

- (a) date and amount of bypass charge;
- (b) asset bypassed.

#### 6. Re: Red Lake TS

Please provide the unutilized capacity at Red Lake TS on a monthly basis for the period July 2008 to June 2011; please state all assumptions and supporting facts.

#### 7. Re: Red Lake TS

Please provide a schematic of HONI's Transmission assets from OPG's Ear Falls generating station up to and including HONI's RLTS. For each transmission asset please provide:

- (a) maximum allowed loading:
- (b) annual maximum loading for the 2006-2011 period on a coincident and noncoincident peak basis;
- (c) average loading for the 2006-2011 period.

#### 8. Forecasts

Please provide estimated transmission revenues by Network, Line Connection and Transformer Connection for the following scenarios:

- (a) Scenario A: all Red Lake area loads are served by RLTS, peak load is 52.1MVA;
- (b) Scenario B: 33.9MVA of Red Lake area load is served by Goldcorp's 115kV Transmission line and 17.8MVA of Red Lake area load is served by RLTS.
  Please state all supporting facts and simplifying assumptions.

TORONTO-#253401-v1-Goldcorp\_Information\_Request

Goldcorp Load data per Goldcorp, Rubicon Presented by quarter

Summary Table of Unutilized Capacity of HONI Facilities Associated With Goldcorp's Utilization of Goldcorp's Proposed 115kV Line, Phased per Goldcorp's Plan

	Source of	December,												
	Supply	2011	Q1 2012	Q2 2012	Q3 2012	Q4 2012	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014
Assumed Loads (in MVA)														
Goldcorp	115 kV line	10.6	10.6	28.398	37.955	38.256	39.44	39.632	40.243	40.618	40.375	40.439	40.501	40.598
Goldcorp	RLTS	29.191	29.484	12.015	2.625	3.675	3.675	3.675	3.885	3.885	3.885	3.885	5.46	8.332
Rubicon	RLTS	1.5	1.5	2	4	5	6	6	7	8	8	8	8	8
Pikangikum	RLTS	1	1	1	1	1	1	1	1	1	1	1	1	1
All Other Loads	RLTS	16.4	16.4	16.4	16.4	17.9	17.9	17.9	17.9	16.2	16.2	16.2	16.2	18.2
CALCULATIONS														
Utilized RLTS capacity		48.091	48.384	31.415	24.025	27.575	28.575	28.575	29.785	29.085	29.085	29.085	30.66	35.532
Utilized 115 kV line Capacity		10.6	10.6	28.398	37.955	38.256	39.44	39.632	40.243	40.618	40.375	40.439	40.501	40.598
Utilized Capacity downstream of Ear Falls		58.691	58.984	59.813	61.98	65.831	68.015	68.207	70.028	69.703	69.46	69.524	71.161	76.13
Unutilized Capacity Downstream of Ear Falls		4.309	4.016	3.187	1.02	-2.831	-5.015	-5.207	-7.028	-6.703	-6.46	-6.524	-8.161	-13.13
Unutilized RLTS Capacity		8.909	8.616	25.585	32.975	29.425	28.425	28.425	27.215	27.915	27.915	27.915	26.34	21.468
RLTS														
Theoretical Maximum Capacity		57	57	57	57	57	57	57	57	57	57	57	57	57
Maximum Available Capacity		52.4	52.4	34.602	25.045	24.744	23.56		22.757	22.382	22.625	22.561	22.499	22.402
Utilized Available Capacity		48.091	48.384	31.415	24.025	27.575	28.575	28.575	29.785	29.085	29.085	29.085	30.66	35.532
Unutilized Available Capacity		4.309	4.016	3.187	1.02	-2.831	-5.015	-5.207	-7.028	-6.703	-6.46	-6.524	-8.161	-13.13
Theoretical Maximum Capacity less Utilized Ava	ailable Capacity		8.616	25.585	32.975	29.425	28.425	28.425	27.215	27.915	27.915	27.915	26.34	21.468
Goldcorp Proposed 115kV Line Capacity Down	stream of Harry's Corner													
Maximum Capacity		50	50	50	50	50	50		50	50	50		50	50
Utilized Available Capacity		10.6	10.6	28.398	37.955	38.256	39.44	39.632	40.243	40.618	40.375	40.439	40.501	40.598
Unutilized Available Capacity		39.4	39.4	21.602	12.045	11.744	10.56	10.368	9.757	9.382	9.625	9.561	9.499	9.402
E2R Capacity Downstream of Ear Falls														
Maximum Capacity		63	63	63	63	63	63		63	63	63		63	63
Utilized Available Capacity		58.691	58.984	59.813	61.98	65.831	68.015	68.207	70.028	69.703	69.46		71.161	76.13
Unutilized Available Capacity		4.309	4.016	3.187	1.02	-2.831	-5.015	-5.207	-7.028	-6.703	-6.46	-6.524	-8.161	-13.13
Assumptions														
Assumptions	Conversion Priority	2011	Q1 2012											
Goldcorp Balmer Complex	3 Q3 2012	9.456	9.475	9.495	9.515	9.536	10.678	10.698	11.213	11.437	11.151	11.172	11.192	11.213
Goldcorp Campbell Complex	2 Q2 2012	17.53	17.594	17.798	17.84	18.12	18.162	18.334	18.43	18.581	18.624		18.709	18.785
Goldcorp Red Lake Complex	1 Q4 2011	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
Goldcorp Cochenour Complex	0	2.205	2.415	2.52	2.625	3.675	3.675	3.675	3.885	3.885	3.885	3.885	5.46	8.332
RLTS Maximum Capacity		57	MVA											
E2R capacity downstream of Ear Falls		63	MVA											
capacity increase via capacitors	Q1 2013	SIA												
Documentation														

Documentation

Load Assumptions: all Goldcorp loads are per Northwinds Energy's load forecast.

non-Goldcorp/non-Rubicon/non-Pikangikum loads are per the filed load forecast

Rubicon load forecast is per D Boyd email of December 31, 2010.

RLTS and E2R capacity limits are per the SIA.

GL1 capacity has been assumed to be 50 MVA.

The RLTS Maximum Available Capacity is the lesser of: 57 MVA (per the SIA) OR the difference between E2R's limit and Goldcorp loading on the new line.

GL1 is assumed to serve Goldcorp's Red Lake, Campbell and Balmer complexes.

Unutilized Capacity is computed as the difference between the maximum/available capacity and the proposed loading.

Simplifying assumption: RLTS loss factor assumed to be 0%.

-ve data is indicative of the need to self-supply (Goldcorp installs generators) or shed load (shedding load requires that Goldcorp forgo economic gold production)'

Goldcorp Load data per Goldcorp, Rubicon Presented by quarter

Summary Table of Unutilized Capacity of HONI Facilities Associated With Goldcorp's Utilization of Goldcorp's Proposed 115kV Line, Phased per Goldcorp's Plan

	Source of Supply	December, 2011	Q1 2012	Q2 2012	Q3 2012	Q4 2012	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014
Assumed Loads (in MVA)														
Goldcorp	115 kV line	10.6	10.6	28.398	37.955	38.256	39.44	39.632	40.243	40.618	40.375	40.439	40.501	40.598
Goldcorp	RLTS	29.191	29.484	12.015	2.625	3.675	3.675	3.675	3.885	3.885	3.885	3.885	5.46	8.332
Rubicon	RLTS	1.5	1.5	2	4	5	6	6	7	8	8	8	8	8
Pikangikum	RLTS	1	1	1	1	1	1	1	1	1	1	1	1	1
All Other Loads	RLTS	16.4	16.4	16.4	16.4	17.9	17.9	17.9	17.9	16.2	16.2	16.2	16.2	18.2
ALMARKANGERATURA DIN BUJA PERMENTIN D		58.691 0	58.984	59.813	61.98	65,831 0	68.015	68.207	70.028	69,703 0	69,46	69,524	71,161	76.13
Total Load on E2R (MVA)		30.031 0	30,304	33.013	01.30	03.031 0	00.010	00.207	70.020	09.700 0	09.40	09,024	/1.101	10.13
CALCULATIONS										22.225				
Utilized RLTS capacity		48.091	48.384	31.415	24.025	27.575	28.575	28.575	29.785	29.085	29.085	29.085	30.66	35.532
Utilized 115 kV line Capacity		10.6	10.6	28.398	37.955	38.256	39.44	39.632	40.243	40.618	40.375	40.439	40.501	40.598
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RLTS														
Theoretical Maximum Capacity		57	57	57	57	57	57	57	57	57	57	57	57	57
Maximum Available Capacity		52.4	52.4	34.602	25.045	24.744	23.56	23.368	22.757	22.382	22.625	22.561	22.499	22.402
Utilized Available Capacity		48.091	48.384	31.415	24.025	27.575	28.575	28.575	29.785	29.085	29.085	29.085	30.66	35.532
Unutilized Available Capacity		4.309	4.016	3.187	1.02	-2.831	-5.015	-5.207	-7.028	-6.703	-6.46	-6.524	-8.161	-13.13
Theoretical Maximum Capacity less Utilized														
Available Capacity			8.616	25.585	32.975	29.425	28.425	28.425	27.215	27.915	27.915	27.915	26.34	21.468
Goldcorp Proposed 115kV Line Capacity														
Downstream of Harry's Corner														
Maximum Capacity		50	50	50	50	50	50	50	50	50	50	50	50	50
Utilized Available Capacity		10.6	10.6	28.398	37.955	38.256	39.44	39.632	40.243	40.618	40.375	40.439	40.501	40.598
Unutilized Available Capacity		39.4	39.4	21.602	12.045	11.744	10.56	10.368	9.757	9.382	9.625	9.561	9.499	9.402
E2R Capacity Downstream of Ear Falls														
Maximum Capacity		63	63	63	63	63	63	63	63	63	63	63	63	63
Utilized Available Capacity		58.691	58.984	59.813	61.98	65.831	68.015	68.207	70.028	69.703	69.46	69.524	71.161	76.13
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Assumptions														
Assumptions	Conversion Priority	2011	Q1 2012											
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Goldcorp Red Lake Complex	1 Q4 2011	10.6	10.6	10.6	10.6	10.6	10.6	10.6		10.6	10.6		10.6	10.6
Goldcorp Cochenour Complex	0	2,205	2.415	2.52	2,625	3.675	3.675	3.675		3.885	3.885		5.46	8.332
RLTS Maximum Capacity	-	57	MVA			5	2.275	2.273	2.200		2.200	2.305	2.40	
E2R capacity downstream of Ear Falls		63	MVA											
capacity increase via capacitors	Q1 2013	SIA												
Documentation														

Documentation

Load Assumptions: all Goldcorp loads are per Northwinds Energy's load forecast.

non-Goldcorp/non-Rubicon/non-Pikangikum loads are per the filed load forecast

Rubicon load forecast is per D Boyd email of December 31, 2010.

RLTS and E2R capacity limits are per the SIA.

GL1 capacity has been assumed to be 50 MVA.

The RLTS Maximum Available Capacity is the lesser of: 57 MVA (per the SIA) OR the difference between E2R's limit and Goldcorp loading on the new line.

GL1 is assumed to serve Goldcorp's Red Lake, Campbell and Balmer complexes.

Unutilized Capacity is computed as the difference between the maximum/available capacity and the proposed loading.

Simplifying assumption: RLTS loss factor assumed to be 0%.

-ve data is indicative of the need to self-supply (Goldcorp installs generators) or shed load (shedding load requires that Goldcorp forgo economic gold production)'

This is Exhibit "F" referred to in the Affidavit of Luc Major sworn December 1, 2011

Arconi)

Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART
EXERISTER, SOLICITOR & NOTARY PUBLIC
P.O. BOX 307
RED LAKE, ONTARIO
POV 2M0

### Goode, Marika

From:

Luc Major [luc.major@goldcorp.com]

Sent:

Thursday, October 06, 2011 3:58 PM

To:

timo.hakkarainen@HydroOne.com

Cc:

Curtis Pedwell; raj.ghai@HydroOne.com

Subject: RE: Goldcorp's 115 kV Transmission Line from South of Harry's Corner to Balmer Complex

Transformer Station Approved by the OEB I reply to Rai's e-mail of January 21, 2011.

Timo.

Sorry for the delay. I have not been ignoring the both of you. I just wanted to talk to Curtis before replying and he has been traveling. He would like to be included even on this first conference call. Can you set up a time, call in number and access code for the call?

Regards,

Luc Major **Major Consulting** Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** October-04-11 3:28 PM

To: Luc Major

Cc: Curtis Pedwell; raj.ghai@HydroOne.com

Subject: FW: Goldcorp's 115 kV Transmission Line from South of Harry's Corner to Balmer Complex

Transformer Station Approved by the OEB I reply to Rai's e-mail of January 21, 2011.

Luc - Raj and I need to talk to you about the load forecast that will be used for the CCRA. Please review the email and attachments from Raj and let me know when you would be available to have a conference call tomorrow if possible.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8

Tel:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: GHAI Raj

Sent: Tuesday, October 04, 2011 4:16 PM

To: HAKKARAINEN Timo Cc: EL NAHAS Ibrahim

Subject: FW: Goldcorp's 115 kV Transmission Line from South of Harry's Corner to Balmer Complex

Transformer Station Approved by the OEB I reply to Raj's e-mail of January 21, 2011.

The load forecast provided by Goldcorp is attached and I have added an additional line

in the Goldcorp forecast to reflect total load on 115 kV line E2R (.file Goldcorp\_projections). The Goldcorp load Forecast is from 2011 to 2014 whereas we need load forecast for 15 years to be used in the CCRA Discounted Cash Flow (DCF) calculations. Moreover the total load shown in 2011 is much higher than the current load on Red Lake TS which is the only load on E2R. As per IESO SIA -2010-407 the following upgrades need to be done before load can be increased beyond 57 MVA on 115 kV line E2R:

- 1) The maximum load that can be supplied by circuit E2R with no additional reactive compensation at Ear Falls TS is 57 MVA;
- 2) The maximum load that can be supplied by circuit E2R with additional reactive compensation at Ear Falls TS is 63 MVA. The amount of reactive compensation that must be made available at the 115 kV bus in Ear Falls TS to achieve this load level is at least 26 Mvar:
- 3) Load levels on circuit E2R above 63 MVA, up to a maximum of 73 MVA could be achieved upon installing a load rejection scheme, in addition to at least 26 Mvar of reactive compensation located at Ear Falls TS;
- 4) Load levels on circuit E2R in excess of 73 MVA require supplementary measures, some of which include, but are not limited to: upgrading the existing circuits, installing new transmission circuits or installing additional (drought independent) generation.

Goldcorp can not assume load going beyond 57 MVA without getting the upgrades identified by IESO done. Also, the customer increasing the load will be responsible for the costs of all upgrades and the lead time needed. Based on above can you please give us 15 years load forecast.

Please call us if you need clarifications of to discuss.

#### Rai Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

**From:** Blue, Ian [mailto:iblue@gardiner-roberts.com]

Sent: Tuesday, July 26, 2011 3:05 PM

To: GHAI Raj; MARTIN Naomi

Cc: 'Curtis Pedwell'; Kathi Litt; 'Luc Major'

**Subject:** Re: Goldcorp's 115 kV Transmission Line from South of Harry's Corner to Balmer Complex Transformer Station Approved by the OEB I reply to Raj's e-mail of January 21, 2011.

Hi Naomi and Raj,

Goldcorp has now decided that as soon as its new 115 kV line which we have referred to for shorthand purposes as **GL1** is commissioned, Goldcorp will transfer the electricity supply for the Red Lake, Campbell and Balmer Complexes from the E2R line onto GL1 and cease to rely

on HONI's Red Lake Transformer Station (RLTS) and the section of E2R between the tap at Harry's Corner and the RLTS. Electricity for the Cochenour Complex will continue to be supplied through the RLTS and be received at distribution voltages.

#### I enclose:

- 1. A table forecasting the unutilized capacity on HONI's facilities as a result of transferring electricity supply to GL1,
- 2. A table that we ask you to complete in order to identify and quantify bypass charges under the Transmission System Code resulting from the described loading of GL1, and
- 3. Information Requests which we ask you to respond to, in good faith, in order to allow us to assess HONI's calculation of bypass charges.

Goldcorp requests HONI's co-operation.

If you have any questions, please let me know.

Thanks

Ian A. Blue, Q.C.
d 416-865-2962
iblue@gardiner-roberts.com
GARDINER ROBERTS LLP
Scotia Plaza, 40 King Street West, Suite 3100
Toronto, ON, Canada M5H 3Y2
t 416 865 6600 | f 416 865 6636
www.gardiner-roberts.com

**From:** raj.ghai@HydroOne.com [mailto:raj.ghai@HydroOne.com]

Sent: Friday, January 21, 2011 4:16 PM

To: Blue, Ian

**Cc:** cbouchard@rubiconminerals.com; dboyd@rubiconminerals.com; gord.caul@HydroOne.com; bdominique@casselsbrock.com; chris.dougherty@nordmin.com; timo.hakkarainen@HydroOne.com; sho@gardiner-roberts.com; gkumoi@rubiconminerals.com; klitt@era-inc.ca; luc.major@goldcorp.com; naomi.martin@HydroOne.com; michael.medeiros@HydroOne.com; nmelchio@wmnlaw.com; Andrew.Moshoian@goldcorp.com; bruce.parker@HydroOne.com; curtis.pedwell@goldcorp.com

Subject: RE: 101224-InfoReq-Scenarios.xls

lan,

We have reviewed the various scenarios presented in your January 10, 2011 e-mail and our comments are as follows:

In scenario 3, the dates were displaced and we have made the necessary changes.
 Please see the attached spread sheet for total loading for various scenarios as follows:

- a. Load forecast for Red Lake TS for various scenarios from Dec. 2010 to Dec. 2014
- b. Load forecast for Goldcorp proposed 115 kV line from Dec. 2010 to Dec. 2014
- 2) The decline in Red Lake TS load indicates the start of bypass i.e. December 11. The bypass is defined as transfer of customer existing load from the transmitter owned connection facility to the customer owned facility or a third party owned facility. The bypass can be temporary or permanent depending upon whether the transferred load returns back to the transmitter owned facility. Also, the bypass is calculated at a point in time when a customer transfers all or part of their load from transmitter owned facility resulting in stranding of all or part of the capacity.
- 3) The loading of Red Lake TS varies between December 2010 and December 2014 for various scenarios. Please indicate the point in time when we should calculate the bypass compensation for Red Lake TS. My proposal is to use December 2010 as the reference point for Red Lake TS load. There is a 5 MW drop in December 2012 and additional 4 MW load drop in December 2014 (total load drop of 9 MW).
- 4) The loading of new Goldcorp 115 kV line has no impact on Red Lake TS bypass calculations.

If you are in agreement with above then we can calculate bypass compensation.

### Raj Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

From: Blue, Ian [mailto:iblue@gardiner-roberts.com]

Sent: Monday, January 10, 2011 11:50 AM

To: Blue, Ian; Bourchard, C\_Rubicon; Boyd, D\_Rubicon; CAUL Gordon; Dominique,B\_Goldcorp; Dougherty,

C\_Rubicon; GHAI Raj; HAKKARAINEN Timo; Ho,S\_Goldcorp; Kumoi,G\_Rubicon; Litt,K\_Goldcorp;

Major, L\_Goldcorp; MARTIN Naomi; MEDEIROS Michael; Melchiorre, N\_Rubicon; Moshoian, A\_Goldcorp; PARKER

Bruce; Pedwell, C\_Goldcorp

Subject: FW: 101224-InfoReg-Scenarios.xls

Please have a look at this IR that we should send to HONE stemming from our meeting wiyh them of December 17th.

Ian A. Blue, Q.C. d 416-865-2962 iblue@gardiner-roberts.com GARDINER ROBERTS LLP Scotia Plaza, 40 King Street West, Suite 3100 Toronto, ON, Canada M5H 3Y2 t 416 865 6600 | f 416 865 6636 www.gardiner-roberts.com

From: Kathi Litt [mailto:klitt@Elenchus.ca]

**Sent:** Monday, January 10, 2011 11:02 AM

To: Blue, Ian

Subject: FW: 101224-InfoReq-Scenarios.xls

As promised

From: Kathi Litt

**Sent:** December 24, 2010 9:32 AM

To: Q. C. Ian A. Blue (iblue@gardiner-roberts.com)

Subject: 101224-InfoReq-Scenarios.xls

Hi lan

Attached is the draft information request to HONI – please review and revise and then circulate to the rest of the team.

Scenario 1 is intended to provide the Baseline data, Scenario 2 is an intended to scope the results of favourable timing of load changes while Scenario 3 is intended to scope the results of less than favourable timing of load changes.

You will see that I have assumed that All Other parties do not experience any load growth; this is because I have incomplete information about magnitude and no information about timing.

The TSC references are sections 6.7 and 11.2.

By way of follow up:

Do you know the status of the SIA or any other reports from the IESO? Has Naomi provided any past Decisions on Stranded Assets? What is the status of Rubicon's Offer to Connect from HONI?

I think that's it, is there anything I've overlooked?

Kathi

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This is Exhibit "G" referred to in the Affidavit of Luc Major sworn December 1, 2011

y a Castery

Commissioner for Taking Affidavits (or as may be)

FUSSEL S. SMART
EARRISTER, SOLICITOR & NOTARY PUBLIC
P.O. BOX 307
RED LAKE, ONTARIO
POV 2M0

# Goode, Marika

From:

timo.hakkarainen@HydroOne.com

Sent:

Friday, October 14, 2011 3:10 PM

To:

Luc Major; Curtis Pedwell

Cc:

rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject:

Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Attachments: Gold Corp KWH Sept 2010 to Sept 2011.doc

The attached word document contains one year actual meter data for your delivery points at Red Lake Mine, Balmer Complex, Campbell Mine and coincident peak for all three delivery points combined.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665

Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

**Sent:** Sunday, October 09, 2011 10:23 PM To: HAKKARAINEN Timo; Curtis Pedwell

Cc: BAGGERMAN Rich; GHAI Raj

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

I need a baseline to start from. Without HONI's current loading for RLGM I have nothing to start from.

Regards,

Luc Major **Major Consulting** Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: October-07-11 2:58 PM To: Luc Major; Curtis Pedwell

**Cc:** rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

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Timo Hakkarainen

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Email: timo.hakkarainen@hydroone.com

From: BAGGERMAN Rich

Fax:807-344-2310

Sent: Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

Subject: Goldcorp's Load Assignment for 2011

Hi Timo

Gold Corp's load assignment for 2011 is 41.7 MVA for all Gold Corp properties.

Regards

Rich Baggerman Hydro One Distribution Planner 416 345 5887 rich.baggerman@hydroone.com

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# Peak Load on Gold Corp Properties moving to the new Balmer CTS

# **Data Description**

This data is peak revenue billing data from Sept 2010 to Sept 2011. This data has been grouped by calendar month. Gold Corp's billing revenue meter readings are not grouped by calendar month. There likely won't be a direct correlation between this data and billing data.

# Table 1 Combined Peak DP 34992055 (Moving to new Balmer CTS)

### Includes:

DP 51095775 Red Lake Mine DP90069271 Balmer Complex DP93542064 Campbell Mine

Table 1						
		Peak				
		Demand				
Year	Month	kW				
2010	09	28527				
	10	29656				
	11	30074				
	12	31437				
2011	01	31518				
	02	31762				
	03	31398				
	04	30283				
	05	30288				
	06	30411				
	07	29248				
	08	29671				
	09	29012				

Table 2		
		Peak
		Demand
Year	Month	kW
2010	09	8250
	10	8168
	11	8887
	12	9449
2011	01	9356
	02	9241
	03	9463
	04	8209
	05	8229
	06	7926
	07	7556
	08	7722
	09	6932

Table 3 DP90069271 Balmer Complex

Table 3		
Year	Month	Peak Demand kW
2010	09	7404
	10	7800
	11	7713
	12	7899
2011	01	7969
	02	8284
	03	8598
	04	8447
	05	8632
	06	8665
	07	8541
	08	8714
	09	8298

Table 4 DP93542064 Campbell Mine

Table 4		
		Peak
		Demand
Year	Month	kW
2010	09	14160
	10	14678
	11	15036
	12	15152
2011	01	15474
	02	15186
	03	15055
	04	14791
	05	14697
	06	14796
	07	14185
	08	14713
	09	14327

This is Exhibit "H" referred to in the Affidavit of Luc Major sworn December 1, 2011

gramy

Commissioner for Taking Affidavits (or as may be)

FUSSEL S. SMART EARTHEEF, BOLIGHOR & NOTARY PUBLIC P.O. BOX 807
FIED LAKE, ONTARIO
FOV 2M0

### Goode, Marika

From: timo.hakkarainen@HydroOne.com

Sent: Monday, October 17, 2011 11:43 AM

To: Luc Major

cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com; Dale Kosie; Curtis Pedwell

**Subject:** RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100 Luc – the power factor data has been requested and is expected to be available by Tuesday October 25<sup>th</sup>. I will send it to you as soon as possible.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Fax:807-344-2310
Email: timo.hakkarainen@hydroone.com

**From:** Luc Major [mailto:luc.major@goldcorp.com]

Sent: Monday, October 17, 2011 8:56 AM

To: HAKKARAINEN Timo

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

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**Sent:** October-14-11 2:10 PM **To:** Luc Major; Curtis Pedwell

**Cc:** rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

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**Sent:** Sunday, October 09, 2011 10:23 PM **To:** HAKKARAINEN Timo; Curtis Pedwell

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**Sent:** October-07-11 2:58 PM **To:** Luc Major; Curtis Pedwell

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

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Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: BAGGERMAN Rich

Sent: Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

**Subject:** Goldcorp's Load Assignment for 2011

Hi Timo

Gold Corp's load assignment for 2011 is 41.7 MVA for all Gold Corp properties.

Regards

Rich Baggerman Hydro One Distribution Planner 416 345 5887 rich.baggerman@hydroone.com

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This is Exhibit "I" referred to in the Affidavit of Luc Major sworn December 1, 2011

0.00mg

Commissioner for Taking Affidavits (or as may be)

FRICTEL S. SMART
EARLESTER, BOLICITOR & NOTARY PUBLIC
P.O. BOX 307
FED LAKE, ONTARIO
POV 2M0

### Goode, Marika

From: Luc Major [luc.major@goldcorp.com]

**Sent:** Monday, October 17, 2011 12:36 PM

To: Curtis Pedwell; Dale Kosie

Subject: FW: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

They sure know how to delay things. Why would they have sent the info in MW when the allocation,

etc... is in MVA?

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: October-17-11 10:43 AM

To: Luc Major

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – the power factor data has been requested and is expected to be available by Tuesday October 25<sup>th</sup>. I will send it to you as soon as possible.

Timo Hakkarainen
Customer Business Relations
Hydro One Networks Inc.
255 Burwood Road
Box 10309
Thunder Bay, ON
P7B 6T8
Tel:807-346-3875
Cell:807-628-6665

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

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Sent: Monday, October 17, 2011 8:56 AM

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Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

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To: HAKKARAINEN Timo; Curtis Pedwell

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**Sent:** October-07-11 2:58 PM **To:** Luc Major; Curtis Pedwell

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Email: timo.hakkarainen@hydroone.com

From: BAGGERMAN Rich

Sent: Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

Subject: Goldcorp's Load Assignment for 2011

Hi Timo

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#### Regards

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This is Exhibit "J" referred to in the Affidavit of Luc Major sworn December 1, 2011

The course

Commissioner for Taking Affidavits (or as may be)

RUGSEL S. SMART BARRISTER, SOLICITOR & NOTARY FUELIC P.O. BOX 307 GED LAKE, ONTARIO POV 2M9

### Goode, Marika

From:

timo.hakkarainen@HydroOne.com

Sent:

Friday, October 21, 2011 4:10 PM

To:

Luc Major

Cc:

rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com; Dale Kosie; Curtis Pedwell

Subject:

RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Attachments: Gold Corp KW demand Sept 2010 to Sept 2011 Oct 21 11.doc

Luc – power factor and peak kVA data are included in the attached word document.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON

P7B 6T8

Tel:807-346-3875 Cell:807-628-6665

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Email: timo.hakkarainen@hydroone.com

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Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

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# Peak Load on Gold Corp Properties moving to the new Balmer CTS

# **Data Description**

This data is peak revenue billing data from Sept 2010 to Sept 2011. This data has been grouped by calendar month. Gold Corp's billing revenue meter readings are not grouped by calendar month. There likely won't be a direct correlation between this data and billing data.

# Table 1 Combined Peak DP 34992055 (Moving to new Balmer CTS)

### Includes:

DP 51095775

Red Lake Mine

DP90069271

**Balmer Complex** 

DP93542064

Campbell Mine

		Peak Demand		
Year	Month	kw	PF	kva
2010	09	28527	0.90	31653
	10	29656	0.91	32487
	11	30074	0.91	33005
	12	31437	0.92	34243
2011	01	31518	0.92	34310
	02	31762	0.92	34658
	03	31398	0.92	34255
	04	30283	0.91	33283
	05	30288	0.91	33461
	06	30411	0.90	33728
	07	29248	0.89	32744
	08	29671	0.89	33344
	09	29012	0.89	32418

		Peak Demand		
Year	Month	kW	PF	kva
2010	09	8250	0.85	9687
	10	8168	0.86	9455
	11	8887	0.87	10189
1	12	9449	0.90	10544
2011	01	9356	0.89	10477
	02	9241	0.89	10428
	03	9463	0.89	10615
	04	8209	0.87	9484
	05	8229	0.86	9522
	06	7926	0.85	9321
	07	7556	0.83	9064
	08	7722	0.84	9216
	09	6932	0.86	8042

Table 3 DP90069271 Balmer Complex

		Peak Demand		
Year	Month	kw	PF	kva
2010	09	7404	0.95	7801
	10	7800	0.93	8414
	11	7713	0.94	8187
	12	7899	0.94	8419
2011	01	7969	0.94	8492
	02	8284	0.91	9078
	03	8598	0.94	9155
	04	8447	0.94	9003
	05	8632	0.94	9224
	06	8665	0.93	9315
	07	8541	0.93	9192
	08	8714	0.92	9430
	09	8298	0.93	8891

Table 4 DP93542064 Campbell Mine

		Peak		
		Demand		
Year	Month	kw	PF	kva
2010	09	14160	0.90	15680
	10	14678	0.91	16179
	11	15036	0.91	16574
	12	15152	0.91	16604
2011	01	15474	0.91	16922
	02	15186	0.91	16635
	03	15055	0.91	16566
	04	14791	0.91	16279
	05	14697	0.90	16275
	06	14796	0.90	16389
	07	14185	0.89	15950
	08	14713	0.88	16749
	09	14327	0.89	16128

This is Exhibit "K" referred to in the Affidavit of Luc Major sworn December 1, 2011

freenan

Commissioner for Taking Affidavits (or as may he)

FUSSEL S. SMART
eventster, solicitor & notary public
f.o. box 307
f.ed lake, ontario
pov 2M0

# Goode, Marika

From: timo.hakkarainen@HydroOne.com

Sent: Tuesday, November 01, 2011 3:37 PM

To: Luc Major

Cc: Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Hi Luc – just checking to see how the load forecast is progressing. We will finalize the CCRA as soon as

we get the data from you.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

**Sent:** Friday, October 21, 2011 4:10 PM

To: Luc Major

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – power factor and peak kVA data are included in the attached word document.

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Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

Sent: Monday, October 17, 2011 11:43 AM

To: 'Luc Major'

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

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**Sent:** October-14-11 2:10 PM **To:** Luc Major; Curtis Pedwell

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

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Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

**Sent:** Sunday, October 09, 2011 10:23 PM **To:** HAKKARAINEN Timo; Curtis Pedwell

Cc: BAGGERMAN Rich; GHAI Raj

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

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**Sent:** October-07-11 2:58 PM **To:** Luc Major; Curtis Pedwell

**Cc:** rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

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Email: timo.hakkarainen@hydroone.com

From: BAGGERMAN Rich

Sent: Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

Subject: Goldcorp's Load Assignment for 2011

Hi Timo

Gold Corp's load assignment for 2011 is 41.7 MVA for all Gold Corp properties.

Regards

Rich Baggerman Hydro One Distribution Planner 416 345 5887 rich.baggerman@hydroone.com

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This is Exhibit "L" referred to in the Affidavit of Luc Major sworn December 1, 2011

Decen

Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART Barrister, solicitor & notary public P.O. BOX 307 RED LAKE, ONTARIO POV 2MO

## Goode, Marika

From:

Luc Major [luc.major@goldcorp.com]

Sent:

Thursday, November 03, 2011 6:03 PM

To:

timo.hakkarainen@HydroOne.com

Cc:

Dale Kosie; Curtis Pedwell

Subject:

RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Importance:

High

Attachments: RLGM Power Demand Forecast 10 Year for HONI (CCRA).xlsx

Timo.

Sorry for the delay. See attached. Please do not hesitate to call should you need any clarification.

Regards,

Luc Major

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Email: timo.hakkarainen@hydroone.com

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### Red Lake Gold Mines Load Forecast (CCRA)

Total kVA demand	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Red Lake Complex	10600	10600	10600	10600	10600	10680	10760	10840	10922	11004	11086
Campbell Complex	17530	18120	18581	18785	19120	19263	19408	19554	19700	19848	19997
Balmer Complex	9456	9536	11437	11213	11295	11380	11465	11551	11638	11725	11813
Potential Total Loads on New Sub (Non-Coinc.)	37586	38255	40618	40598	41015	41323	41633	41945	42260	42577	42896
Potential Total Loads Coincidental Peak (95%)	35707	36343	38587	38568	38965	39257	39551	39848	40147	40448	40751
Cochenour Complex	2205	3675	3885	8332	8752	8817	8884	8950	9017	9085	9153
Cochenour Complex Coincidental Peak	2095	3491	3691	7915	8314	8377	8439	8503	8566	8631	8695
Total kVA Energy Demand RLGM	39791	41930	44503	48929	49767	50140	50516	50895	51277	51662	52049
Total RLGM Coincidental Peak (95%)	37801	39834	42278	46483	47279	47633	47991	48351	48713	49079	49447
Maximum Allocated Load to RLGM	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
Total Estimated Load on 115 kV Sub Due to											
HONI Allocated Load Restrictions (see note 1)	35707	36343	38009	33785	33386	33323	33261	33197	33134	33069	33005

Note 1: New Balmer 115 kV Sub Load Not to Exceed HONI Allocated Load Minus Cochenour Complex Coincidental Peak

Coincidental peak is what will be metered at 115 kV sub, therefore use coincidental

Two Feathers to be disolved - 2.5 Meggs ??

This is Exhibit "M" referred to in the Affidavit of Luc Major sworn December 1, 2011

reamy

Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART Earthoter, solicitor & notary public p.o. box 307 red lake, ontario poy 2mo

#### Rodrigues, Noella

From:

timo.hakkarainen@HydroOne.com

Sent:

Friday, November 04, 2011 3:10 PM

To:

Luc Major

Cc:

Dale Kosie; Curtis Pedwell

Subject:

RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Attachments: RLGM Power Demand Forecast 10 Year for HONI (CCRA).xlsx

Luc – I notice the load forecast you provided is for 10 years. Does this mean you want us to do a 10 year CCRA instead of a 15 year CCRA or do you wish to do a 15 year CCRA and hold the 10<sup>th</sup> year load forecast information constant for the last 5 years?

Timo Hakkarainen
Customer Business Relations
Hydro One Networks Inc.
255 Burwood Road
Box 10309
Thunder Bay, ON
P7B 6T8
Tel:807-346-3875

Tel:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

**From:** Luc Major [mailto:luc.major@goldcorp.com] **Sent:** Thursday, November 03, 2011 6:03 PM

**To:** HAKKARAINEN Timo **Cc:** Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Importance: High

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416 345 5887
rich.baggerman@hydroone.com

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### Red Lake Gold Mines Load Forecast (CCRA)

Total kVA demand	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Red Lake Complex	10600	10600	10600	10600	10600	10680	10760	10840	10922	11004	11086
Campbell Complex	17530	18120	18581	18785	19120	19263	19408	19554	19700	19848	19997
Balmer Complex	9456	9536	11437	11213	11295	11380	11465	11551	11638	11725	11813
Potential Total Loads on New Sub (Non-Coinc.)	37586	38255	40618	40598	41015	41323	41633	41945	42260	42577	42896
Potential Total Loads Coincidental Peak (95%)	35707	36343	38587	38568	38965	39257	39551	39848	40147	40448	40751
Cochenour Complex	2205	3675	3885	8332	8752	8817	8884	8950	9017	9085	9153
Cochenour Complex Coincidental Peak	2095	3491	3691	7915	8314	8377	8439	8503	8566	8631	8695
Total kVA Energy Demand RLGM	39791	41930	44503	48929	49767	50140	50516	50895	51277	51662	52049
Total RLGM Coincidental Peak (95%)	37801	39834	42278	46483	47279	47633	47991	48351	48713	49079	49447
Maximum Allocated Load to RLGM	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
Total Estimated Load on 115 kV Sub Due to											
HONI Allocated Load Restrictions (see note 1)	35707	36343	38009	33785	33386	33323	33261	33197	33134	33069	33005

Note 1: New Balmer 115 kV Sub Load Not to Exceed HONI Allocated Load Minus Cochenour Complex Coincidental Peak

Coincidental peak is what will be metered at 115 kV sub, therefore use coincidental

Two Feathers to be disolved - 2.5 Meggs ??

This is Exhibit "N" referred to in the Affidavit of Luc Major sworn December 1, 2011

In cons

Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART Barrieter, bolicitor & notary public P.O. BOX 307 RED LAKE, ONTAPIO POY 2MO

#### Rodrigues, Noella

From: timo.hakkarainen@HydroOne.com

**Sent:** Monday, November 07, 2011 11:34 AM

To: Curtis Pedwell; Luc Major

Cc: Dale Kosie

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Curtis - The term of the CCRA determines the duration for the discounted cash flow (DCF) analysis when determining the present value of a stream of revenue generated by the line connection transmission service rates applied to a guaranteed load forecast provided by the customer. This present value is credited toward the connection costs associated with the new connection.

A longer term load forecast will result in more revenue generated by the DCF but at the same time it obligates the customer to guarantee an accurate load forecast over a longer period of time. This load forecast and revenue generated from it is subject to periodic true ups during the term of the CCRA to ensure the guaranteed loads and revenue streams occur as forecast and any short falls will be adjusted. In other words if your load forecast does not materialize during the CCRA terms, then we will true up the revenue short fall and invoice you for amount owing during each true up period.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Curtis Pedwell [mailto:Curtis.Pedwell@goldcorp.com]

Sent: Friday, November 04, 2011 4:56 PM

To: HAKKARAINEN Timo; Luc Major

Cc: Dale Kosie

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

What is the difference to Goldcorp by going with a 10 yr as opposed to a 15yr?

Curtis Pedwell
Maintenance Manager
Goldcorp - Red Lake Gold Mines
W 807-735-2077 x 6118
Email curtis.pedwell@goldcorp.com



From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: Friday, November 04, 2011 2:10 PM

To: Luc Major

Cc: Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – I notice the load forecast you provided is for 10 years. Does this mean you want us to do a 10 year CCRA instead of a 15 year CCRA or do you wish to do a 15 year CCRA and hold the 10<sup>th</sup> year load forecast information constant for the last 5 years?

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

**From:** Luc Major [mailto:luc.major@goldcorp.com] **Sent:** Thursday, November 03, 2011 6:03 PM

**To:** HAKKARAINEN Timo **Cc:** Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Importance: High

Timo,

Sorry for the delay. See attached. Please do not hesitate to call should you need any clarification.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

**From:** timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: November-01-11 2:37 PM

To: Luc Major

Cc: Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Hi Luc – just checking to see how the load forecast is progressing. We will finalize the CCRA as soon as we get the data from you.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8

Tel:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

**Sent:** Friday, October 21, 2011 4:10 PM

To: Luc Major

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – power factor and peak kVA data are included in the attached word document.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

**Sent:** Monday, October 17, 2011 11:43 AM

To: 'Luc Major'

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – the power factor data has been requested and is expected to be available by Tuesday October 25<sup>th</sup>. I will send it to you as soon as possible.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8

Tel:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

Sent: Monday, October 17, 2011 8:56 AM

To: HAKKARAINEN Timo

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

Would it be possible to get the power factor during these peaks? These peaks are in MW and our load assignment is in MVA. Also all our forecasts are in kVA.

#### Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

**From:** timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** October-14-11 2:10 PM **To:** Luc Major; Curtis Pedwell

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

The attached word document contains one year actual meter data for your delivery points at Red Lake Mine, Balmer Complex, Campbell Mine and coincident peak for all three delivery points combined.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

**Sent:** Sunday, October 09, 2011 10:23 PM **To:** HAKKARAINEN Timo; Curtis Pedwell **Cc:** BAGGERMAN Rich; GHAI Raj

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

I need a baseline to start from. Without HONI's current loading for RLGM I have nothing to start from.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** October-07-11 2:58 PM **To:** Luc Major; Curtis Pedwell

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Curtis and Luc - The email below contains Goldcorp's load assignment for 2011 at Red Lake TS.

The information on the current loading will take longer to obtain. I will forward it to you as soon as possible.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: BAGGERMAN Rich

**Sent:** Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

Subject: Goldcorp's Load Assignment for 2011

Hi Timo

Gold Corp's load assignment for 2011 is 41.7 MVA for all Gold Corp properties.

Regards

Rich Baggerman
Hydro One
Distribution Planner
416 345 5887
rich.baggerman@hydroone.com

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This is Exhibit "O" referred to in the Affidavit of Luc Major sworn December 1, 2011

acon ,

Commissioner for Taking Affidavits (or as may be)

PLOSEL S. SMAR!
EARLISTER, SOLICITOR & NOTARY PUBLIC
P.O. BOX 807
RED LAKE, ONTAPIO
POV 2MO

#### Rodrigues, Noella

From:

gord.caul@HydroOne.com

Sent:

Wednesday, November 09, 2011 3:20 PM

To:

rich.baggerman@HydroOne.com

Subject:

FW: Goldcorp's Load Assignment for 2011.

Attachments: Short Term SPB Power Demand Forecast Rev 8 Aug 12 2010.xls

From: CAUL Gordon

Sent: Thursday, January 20, 2011 7:37 AM

To: Curtis Pedwell; <a href="mailto:luc.major@goldcorp.com">luc.major@goldcorp.com</a>; 'mike.lalonde@goldcorp.com'

Cc: CAUL Gordon; WESLEY Russ

Subject: FW: Goldcorp's Load Assignment for 2011.

#### To Goldcorp,

Hydro One has completed its review of load utilization at Red Lake TS for 2010. Current analysis indicates that Goldcorp's projected peak load on Red Lake TS for 2011 cannot be supplied to the end of 2011 according to the load forecast submitted by Luc Major's entitled "Short Term SPB Power Demand Forecast Rev 8 Aug 12 2010.xlsx", attached for reference.

Capacity will be assigned to Red Lake TS for Goldcorp's use in 2011 at the following connection points specified in the table below:

see notes 1 and 2

Given the following conditions are met.

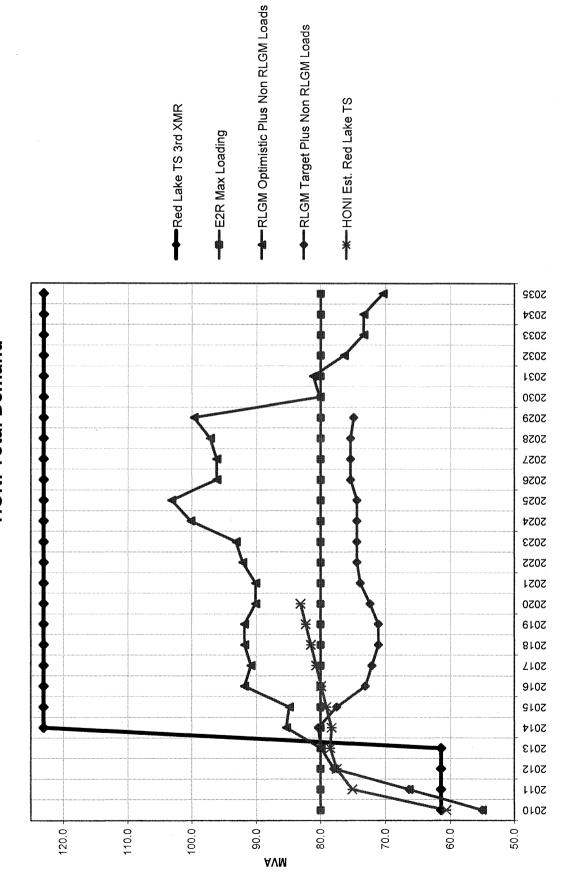
- These load values are peak loads obtained from the revenue meter at the connection point location.
- An average power factor of at least 0.95 will be established and maintained at each connection point.
- The load values specified in the table above will be assigned until December 31, 2011.
- Goldcorp's load usage at Red Lake TS will be reviewed after Dec. 31, 2011. If the assigned capacity has not been utilized, Hydro One reserves the right to cancel the assignment.

#### Notes:

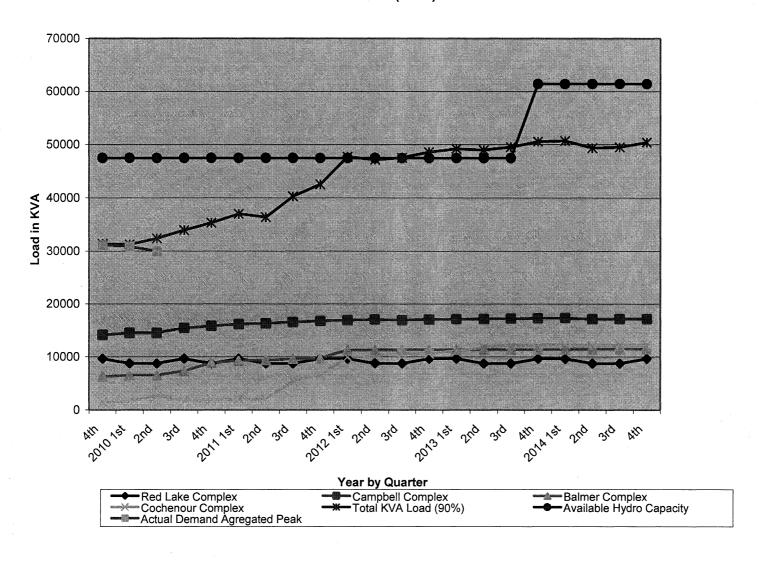
- There is some felixiblity in the distibution of the assigned load on the connection points on the Red Lake TS M6, under the condition that Hydro One Networks is consulted and is in agreement with the proposed changes.
- 2. This load assignment information is based on the preliminary load data for Dec. 2010, so these numbers may change slightly. Final data for Dec. will be available first week of Feb. 2011 and if these assignments change you will be notified.

Thanks, Gord Caul

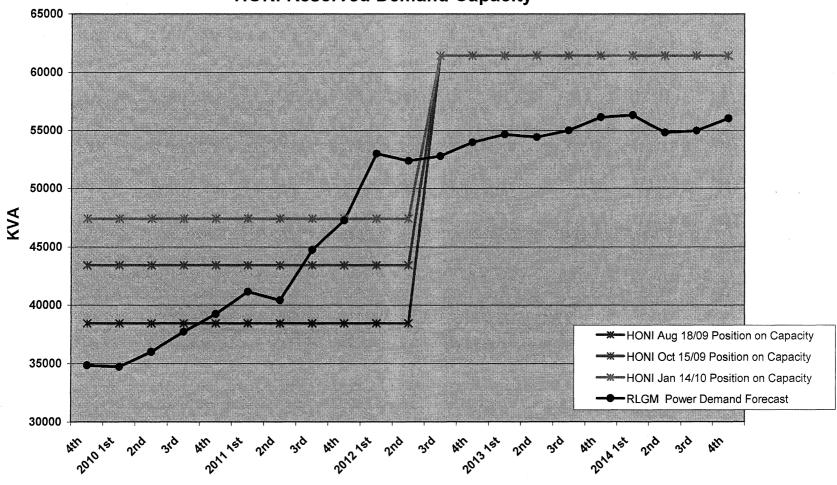
**HONI Total Demand** 



# Short Term KVA (90%) Load Profile

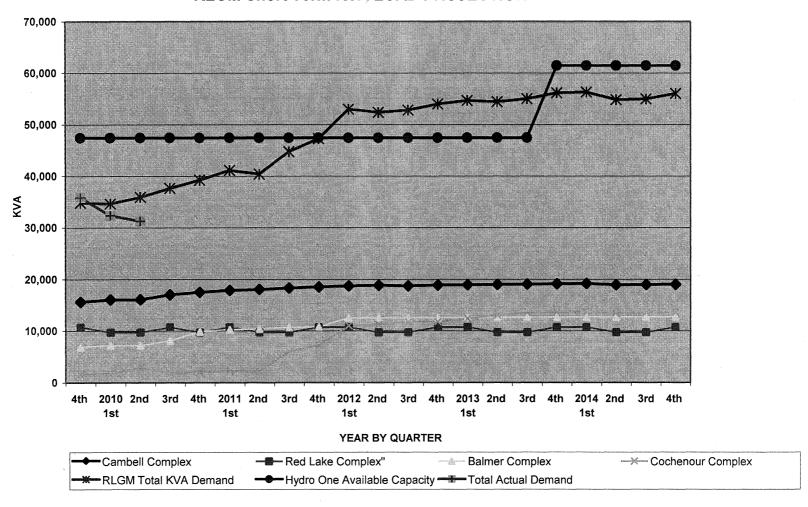


# **HONI Reserved Demand Capacity**

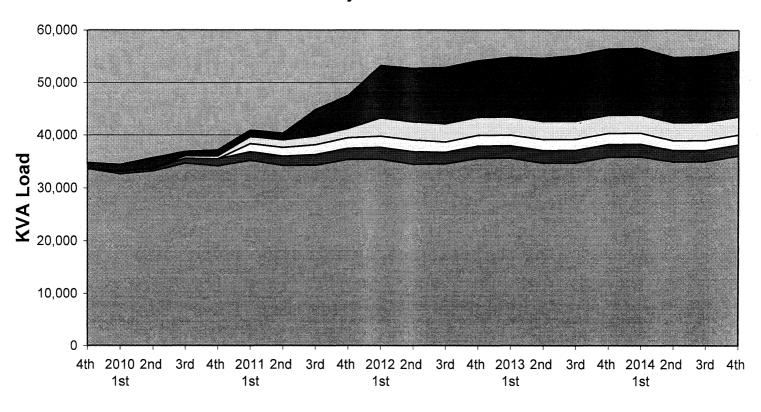


YEAR BY QUARTER

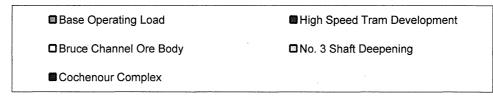
## **RLGM Short Term KVA LOAD PROJECTION**



**RLGM - Projects KVA Load Profile** 



Year - Quarter



	Load KVA	Production t/day	2010 2010	2011	2012	2013	2014	2015 2015	2016	2017	2018	2019	2020 2020	2021	2022	2023	2024	2025 2025	2026	2027	2028	2029
Campbell Mine	***************************************		700	1000	1000	900	800	500						***************************************				***************************************				
Campbell Complex Underground	161.74		40.70	44.75	40.44	40.05	40.00		-			3										
Campbell Complex Underground Campbell Complex Mill	KVA	1200	10.72	11.75 8.8	12.11 5.8	12.35	12.39	6.8	5	6.8	6.8	6.8	3	3	6.8	5 B	5.8	3	6.8	3 6.8	3 6.8	3
Sub - Total		1200	17.5	18.5	18,9	19.2	19,2	15,8	11.8	10.8	9,8	9,8	9,8	9.8	9.8	9.8	9.8	9.8	0.0 A B	9.8	9.8	6.8 9.8
Red Lake Mill Production		325	550	550	550	550	550	850	500	500	500	500	800	500	0	***						
Red Lake Complex Mill		1500	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Red Lake Complex Underground			6.8	6.8	8.8	5.8	6.8	6.8	5.8	6.8	6.8	6.8	8.8	6.8	6.8	8.8	5.8	6.8	8.8	6.8	6.8	6.8
Baimer Complex																						
Balmer Complex Sub - Total			9.9 <b>20.6</b>	10.8 <b>21.5</b>	12.6 <b>23.3</b>	12.7 <b>23.4</b>	12.7 <b>23.4</b>	12 <b>21.7</b>	12 <b>21.7</b>	12 <b>21.7</b>	12 <b>21.7</b>	12 <b>21.7</b>	12 21.7	12 <b>21.7</b>	12 <b>21.7</b>	12 <b>21.7</b>	12 <b>21.7</b>	12 21.7	12 <b>21.7</b>	12 <b>21.7</b>	12 <b>21.7</b>	12 <b>21.7</b>
Cochenour Mine			20.0	21.0	23.3	23.4	23.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
						50	100	500	500	500	500	500	500	500	500	500	500	500	500	400	400	300
Cochenour		1500 waste	2.5	4,5	9.0	9,7	9.7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Bruce Channel			0.0	2:8	2.8	3.8	4.1	7.1	6.7	6.7	6.7	6.7	8.0	8.0	8.0	8.0	8.0	8.0	9.0	9.0	9.0	9.0
Sub - Total		1300	2.5	7.3	11.8	13.5	13.8	16.1	15.7	15.7	15.7	15.7	17	17	17	17	17	17	18	18	18	18
Tailings Recovery Mining														0,3	0.5 200	0,5 500	0.5 <b>500</b>	0.5 500	0,5 <b>500</b>	0.5 500	0.4 500	0,3 <b>500</b>
	Load	Production	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
KVA RLGM kVA Load																						
Campbell Mine		1200.0	17.5	18.5	18,9	19,2	19.2	15.8	11.8	10.8	9.8	9,8	9.8	9.8	9.8	9,8	9.8	9.8	9.8	9.8	9.8	9,8
Red Lake Mine		1500.0	20.6	21.5	23,3	23.4	23.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
Cochenour Mine		1300.0	2.5	7.3	11.8	13.5	13.8	16.1	15.7	15.7	15.7	15.7	17.0	17.0	17.0	17.0	17.0	17.0	18.0	18.0	18.0	18.0
Tailings Reclaimation														2	2	2	2	2	2	2	2	2
Total			40.6	47.3	54.0	56.1	56.4	53.6	49.2	48.2	47.2	47.2	48.5	50.0	50.5	50.5	50.5	50.5	51.5	51.5	51.5	51.0
Total Production in	t/dav		930	950	950	1000	1000	1050	1000	1000	1000	1000	1000	1000	500	1000	1000	1000	1000	900	900	600
(via r radionalini	uuay		530	dan	770	1700	1000	1000	1000	TUUU	1000	1000	1000	1700	900	:000	1000	1000	1000	ยบบ	900	out

red lake complex campbell cochenour

KVA Total kVA demand Red Lake Complex

Campbell Complex

Cochenour Complex

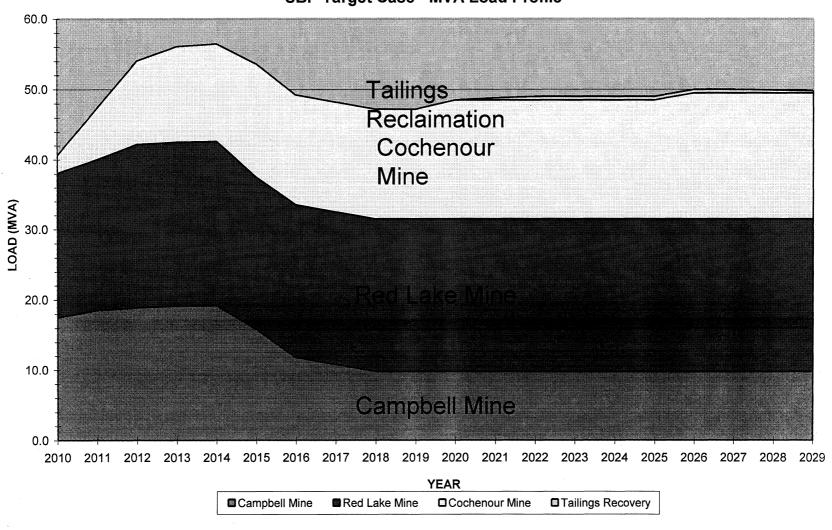
Total kVA Energy Demand

Balmer Complex

tailings

ramp from 300 to 600 t/ day to 2011 at 2021 constant till 2022 Touted ramp to 1000t by 2011 and constant till mid 2013 close 2015
start 2013 slow start to 500t by 2015 constant till 2021 and continures
500t/d start in 2021 till 2028 then ramps down by end of 2029

**SBP Target Case - MVA Load Profile** 



### RLGM OPTIMISTIC MVA LOAD DATA

			Production t/day	2010 2010	2011	2012	2013 2013	2014	2015	2016 2016	2017	2018	2019 2019	2020	2021	2022 2022
Campbel			•	40 770	44.75	10.11	40.05	40.00	_	_						
27127533333	Campbell Complex Underground Campbell Complex Mill	KVA	1200	10.72	11.75	12.11 6.8	12.35 6.8	12.39 6.8	7	5	4	3	3			
	Sub - Total			17.5	18.55	18,91	19,15	19,19	7	5	4	3	3	0	0	0
Red Lake	e Mill Production		1500	3.90	3.90	3.90	3.90	3.90								
	Red Lake Complex Mill Red Lake Complex Underground		1500	5.90 6.8	3.90 6.8	5.90 6.8	3.90 <b>6.8</b>	3.90 6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
	Balmer Complex															
	Balmer Complex Sub - Total			9.9	10.8 21.5	12.6 23.3	12.7 23.4	12.7 23.4	12.7 19.5	12.7 19.5	12.7 19.5	12.7 19.5	12.7 19.5	12.7 19.5	12.7 19.5	12.7 19.5
	Sub - Iola			20.0	21.0	20.0	20.7	20.4	13.5	15.5	13.3	10.0	10.0	19.5	19.0	19.0
Cocheno	our Mine Cochenour		1500 waste	2.5	4.5	9.0	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
0.55 (0	Bruce Channel	)	500.0	2.9	2.8	2.8	3.8	4.1	6.7	6.7	6.7	6.7	6.7	8.0	8.0	8.0
2	Sub - Total			2.5	7,3	11.8	13.5	13.8	16.4	16.4	16.4	16.4	16.4	17.7	17.7	17.7
lailings	Recovery Mining Surface Processing Facilities							2	2							
	Sub - Total			0	0	0	0	2	2	0	0	0	0	0	0	0
	Super Mill		2000					2 🖠	15	25	25	25	25	25	25	25
	Open Pit	3	16000					1	10	2	2	4	4	4	4	4
	Wilmar Mine	15	3000 1000													2
	East Bay Sub - Total	7.5	1000	0	0	0	0	3	16	27	27	29	29	29	29	31
	July 1818															
KVA	RLGM kVA Load	Load	Production	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
KVA	Campbell Mine		1200.0	17.5	18.5	18.9	19.2	19.2	7.0	5.0	4.0	3.0	3.0	0.0	0.0	0.0
	Red Lake Mine		1500.0	20.6	21.5	23.3	23.4	23.4	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
	Cochenour Mine Tailings Reclamation		1300.0	2.5	7.3	11.8	13.5	13.8 2	16.4 2	16.4	16.4	16.4	16.4	17.7	17.7 0.0	17.7 0.0
	Major Expansion Projects			0	0	0	0	3	16	27	27	29	29	29	. 29	31
	Total			40.6	47.3	54.0	56.1	61.4	61.0	68.0	67.0	68.0	68.0	66.3	66.3	68.3
		Load	Production	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
		MW	t/day	2010					2015					2020		
	Red Lake Complex Underground			6	6	6	6	6	6	6	6	6	6	6	6	6
				4020	2011	2012	2013	2014	4030	2016	2017	2018	2019	4040	2021	2022
	Campbell Complex Red Lake Complex		100000000000000000000000000000000000000	4020 6	2011	2012 6	2013 6	2014 6	4030	2016 6	2017 6	2016 6	2019 6	4040 6	2021 6	2022 6
200000000000000000000000000000000000000	Balmer Complex		3000	8.3	14.8	15	15.9	15.9	17	.17	17	17	17	18	18	18
	Cochenour Bruce Channel		5000 2000	5.7 1.5	10.3 3	11.2 4	12.3 6.7	12.3 6.7	12.3 6.7	12.3 6.7	12.3 6.7	<b>12.3</b> 6.7	12.3 6.7	12.3 8	12.3 8	12.3 8
	Open Pit	3	16000					1	1	2	2	4	4	4	4	4
	East Bay Wilmar Mine	7.5 15	1000 6000													2
21748291344	Tailings Reclamation							2	2							
	Super Mill		2000					2	15	25	25	25	25	25	25	25

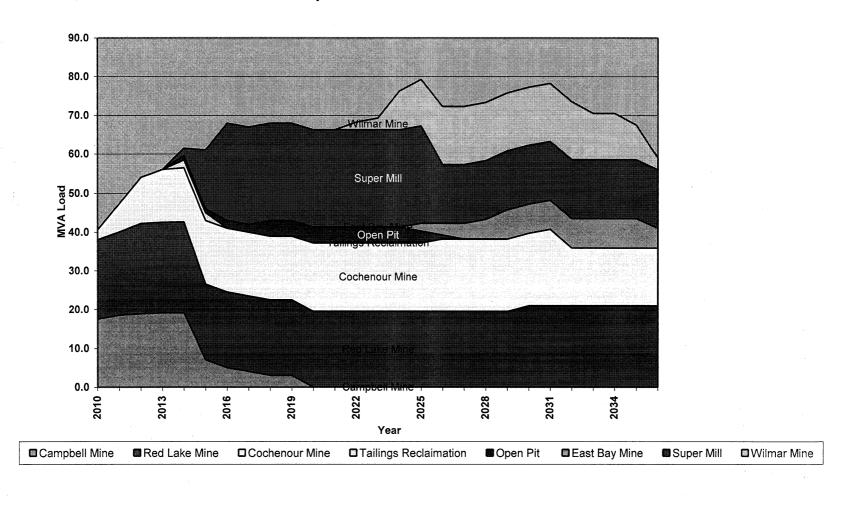
red lake complex Campbell Cochenour tailings

ramp from 300 to 600 t/ day to 2011 at 2021 constant til 700t/d ramp to 1000t by 2011 and constant till mid 2013 close 2015 start 2013 slow start to 500t by 2015 constant till 2021 and continues 500t/d start in 2021 till 2028 then ramps down by end of 2029 at 2021 constant till 2022

drops in 2029

2023	2024	2025 2025	2026	2027	2028 2028	2029	2030	2031 2031	2032	2033	2034 2034	2035	2036
0	ō	0	0	O.	0	O Kilkadilik							
6.8	6.8	6.8	6.8	6.8	6.8	6.8	6	6	6	6	6	6	6
12.7	12.7	12.7	12.7	12.7	12.7	12.7	15	15	15	15	15	15	15
19.5	19.5	19.5	19.5	19.5	19.5	19.5	21.0	21.0	21.0	21.0	21.0	21.0	21.0
9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	97	5	5	5	5	5
8.0	8.0	8.0	9.0	9.0	9.0	9.0	9	10	10	10	10	10	10
17.7	17.7	17.7	18.7	18.7	18.7	18.7	18.7	19.7	15.0	15.0	15.0	15.0	15.0
0	0	0	0	0	0	0							
25	25	25	15	15	15	15	15	15	15	15	15	15	15
4 3	4 10	3 12	1 15	15	15	15	15	15	15	12	12	9	3
32	39	42	3 34	34	5 35	7.5 38	7.5 38	7.5 38	7.5 38	7.5 35	7.5 35	7.5 32	23
2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
0.0	0.0	0.0	0.0	0.0	0.0	0.0							
19.5	19.5	19.5	19.5	19.5	19.5	19.5	20.0		4 H A	2 P A	, p. g	2 F A	an entropy and a second
17.7 0.0	17.7 0.0	17.7 0.0	18.7 0.0	18.7 0.0	18.7 0.0	18.7 0.0	18.7	19.7	15.0	15.0	15.0	15.0	15.0
32	39	42	34	34	35	38	38	38	38	35	35	32	
69.3	76.3	79.3	72.3	72.3	73.3	75.8	56.2	57.2	52.5	49.5	49.5	46.5	15.0
2023	2024	2025 2025	2026	2027	2028	2029	2030 2030	2031	2032	2033	2034	2035 2035	2036
6	6	6	6	6	6	6	6	6	6	6	6	6	6
2023	2024	4050	2026	2027	2028	2029							
6	6	6	.6	- 6	6	6	4.0						
18 <b>12.3</b>	18 12.3	19 12.3	19 12.3	19 12.3	19 12.3	19 12.3	19 12.3	19 12.3	20 12.3	20 12.3	20 12.3	20 12.3	21 12.3
8	8	8	9	9	9	9	9	10	10	10	10	10	10
4	4	3 2	1 3	4	5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	5
3	10	12	15	15	15	15	15	15	15	12	12	9	3
25	25	25	15	15	15	15	15	15	15	15	15	15	15
				*									

# **RLGM Optomistic MVA Load Profile**



Red Lake TS Combined Loads Forecast (Mar. 28, 2010)

		HONI Est.			RLGM Load			RLGM Optomistic	RLTS Max	E2R	
	RLGM Load		Non RLGM	Allowed	New File	New File	Target plus		Allowable	Maximum	
Maximum	in MVA	TS Load in	Loads in	MVA on	Rev 4	Rev 4	Non-RLGM	RLGM	demand 3rd	Allowable	
Demand	REV. 6	MVA	MVA	RLTS	Target	Optimistic	Loads	Loads	Txmer	Demand	Notes
2009	38.60	44.8									Based on actual peak load on Dec. 14-2009 at hour 16:00
2010	46.30	60.6	14.4	47.4	40.6	40.6	55.0	55.0	61.4	80.0	Disregard above number of 6.2 MVA of N-RLGM as total load
2011	52.30	75.1	19.0	47.4	47.3	47.3	66.3	66.3	61.4	80.0	was based from actual vs estimate
2012	53.80	77.5	23.9	47.4	54.0	54.0	77.9	77.9	61.4	80.0	
2013	55.80	78.5	23.9	61.4	56.1	56.1	80.0	80.0	61.4	80.0	
2014	55.60	78.3	23.9	61.4	56.4	61.4	80.3	85.3	123.0	80.0	John (HONI), is the following Correct?
2015	56.16	79.1	23.9	61.4	53.6	61.0	77.5	84.9	123.0	80.0	HONI used the 2014 RLGM Load + 1% load increase/Year
2016	56.72	79.9	23.9	61.4	49.2	68.0	73.1	91.9	123.0	80.0	HONI used the 2014 RLGM Load + 1% load increase/Year
2017	57.28	80.7	23.9	61.4	48.2	67.0	72.1	90.9	123.0	80.0	HONI used the 2014 RLGM Load + 1% load increase/Year
2018	57.86	81.5	23.9	61.4	47.2	68.0	71.1	91.9	123.0	80.0	HONI used the 2014 RLGM Load + 1% load increase/Year
2019	58.44	82.3	23.9	61.4	47.2	68.0	71.1	91.9	123.0	80.0	HONI used the 2014 RLGM Load + 1% load increase/Year
2020	59.02	83.1	23.9	61.4	48.5	66.3	72.4	90.2	123.0	80.0	HONI used the 2014 RLGM Load + 1% load increase/Year
2021			23.9	61.4	50	66.3	73.9	90.2	123.0	80.0	Assumed N-RLGM Loads do not change
2022			23.9	61.4	50.5	68.3	74.4	92.2	123.0	80.0	Assumed N-RLGM Loads do not change
2023			23.9	61.4	50.5	69.3	74.4	93.2	123.0	80.0	Assumed N-RLGM Loads do not change
2024			23.9	61.4	50.5	76.3	74.4	100.2	123.0	80.0	Assumed N-RLGM Loads do not change
2025			23.9	61.4	50.5	79.3	74.4	103.2	123.0	80.0	Assumed N-RLGM Loads do not change
2026			23.9	61.4	51.5	72.3	75.4	96.2	123.0	80.0	Assumed N-RLGM Loads do not change
2027			23.9	61.4	51.5	72.3	75.4	96.2	123.0	80.0	Assumed N-RLGM Loads do not change
2028			23.9	61.4	51.5	73.3	75.4	97.2	123.0	80.0	Assumed N-RLGM Loads do not change
2029			23.9	61.4	51	75.8	74.9	99.7	123.0	80.0	Assumed N-RLGM Loads do not change
2030			23.9	61.4		56.2		80.1	123.0	80.0	Assumed N-RLGM Loads do not change
2031			23.9	61.4		57.2		81.1	123.0	80.0	Assumed N-RLGM Loads do not change
2032			23.9	61.4		52.5		76.4	123.0	80.0	Assumed N-RLGM Loads do not change
2033			23.9	61.4		49.5		73.4	123.0	80.0	Assumed N-RLGM Loads do not change
2034			23.9	61.4		49.5		73.4	123.0	80.0	Assumed N-RLGM Loads do not change
2035			23.9	61.4		46.5		70.4	123.0	80.0	Assumed N-RLGM Loads do not change

	Notes	
	1	These load numbers represent the revenue meter hourly peak load (instantaneous peak would be higher).
- 1	2	The load forecast includes:
		-Goldcorp's load forecast entitled "Load Forecast to 2014 Rev 6 Jan 18, 2010" sent by Luc Major to John Breen on Jan. 18, 2010

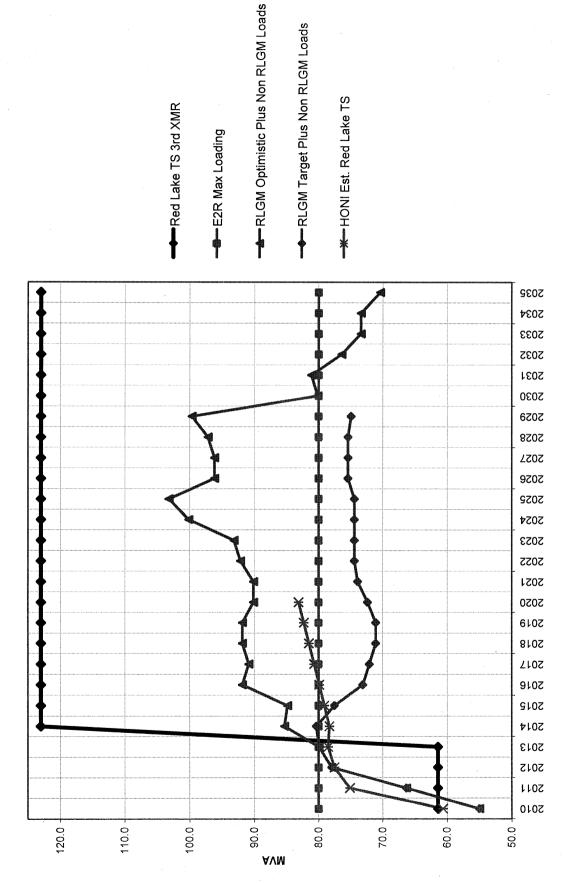
3 The power factor of the combined distribution load at Red Lake TS is approximately 0.9. Capacitors at Red Lake TS are used to bring the station power factor to unity.

Notes - Major Consulting

1 | 2009 results should be ignored as the non - RLGM should have been higher and the RLGM loads should have been lower

2 | The non - RLGM loads were calculated by subtracting the estimated RLGM from the RLTS Total Load





This is Exhibit "P" referred to in the Affidavit of Luc Major sworn December 1, 2011

Berang

Commissioner for Taking Affidavits (or as may be)

NUCSEL S. SMART
EARNSTER, SOLICITOR & NOTARY PUBLIC
P.O. BOX 307
RED LAKE, ONTAPIO
POV 2M0

#### Rodrigues, Noella

From:

Luc Major [luc.major@goldcorp.com]

Sent:

Thursday, November 10, 2011 3:22 PM

To:

timo.hakkarainen@HydroOne.com

Cc:

Dale Kosie; Curtis Pedwell

Subject:

RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Attachments: RLGM Power Demand Forecast 15 Year for HONI (CCRA).xlsx

Timo,

Attached is the 15 year forecast.

Regards,

Luc Major

**Major Consulting** 

Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: November-04-11 2:10 PM

To: Luc Major

Cc: Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – I notice the load forecast you provided is for 10 years. Does this mean you want us to do a 10 year CCRA instead of a 15 year CCRA or do you wish to do a 15 year CCRA and hold the 10<sup>th</sup> year load forecast information constant for the last 5 years?

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

**From:** Luc Major [mailto:luc.major@goldcorp.com] **Sent:** Thursday, November 03, 2011 6:03 PM

**To:** HAKKARAINEN Timo **Cc:** Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Importance: High

Timo,

Sorry for the delay. See attached. Please do not hesitate to call should you need any clarification.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: November-01-11 2:37 PM

To: Luc Major

Cc: Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Hi Luc – just checking to see how the load forecast is progressing. We will finalize the CCRA as soon as we get the data from you.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

Sent: Friday, October 21, 2011 4:10 PM

To: Luc Major

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc - power factor and peak kVA data are included in the attached word document.

Timo Hakkarainen
Customer Business Relations
Hydro One Networks Inc.
255 Burwood Road
Box 10309
Thunder Bay, ON
P7B 6T8
Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

Sent: Monday, October 17, 2011 11:43 AM

To: 'Luc Major'

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc - the power factor data has been requested and is expected to be available by Tuesday October 25th. I will send it to you as soon as possible.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

Sent: Monday, October 17, 2011 8:56 AM

To: HAKKARAINEN Timo

Cc: BAGGERMAN Rich; GHAI Rai; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

Would it be possible to get the power factor during these peaks? These peaks are in MW and our load assignment is in MVA. Also all our forecasts are in kVA.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: October-14-11 2:10 PM To: Luc Major; Curtis Pedwell

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

The attached word document contains one year actual meter data for your delivery points at Red Lake Mine, Balmer Complex, Campbell Mine and coincident peak for all three delivery points combined.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

Sent: Sunday, October 09, 2011 10:23 PM
To: HAKKARAINEN Timo; Curtis Pedwell

Cc: BAGGERMAN Rich; GHAI Raj

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

, 1

I need a baseline to start from. Without HONI's current loading for RLGM I have nothing to start from.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** October-07-11 2:58 PM **To:** Luc Major; Curtis Pedwell

**Cc:** rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Curtis and Luc - The email below contains Goldcorp's load assignment for 2011 at Red Lake TS.

The information on the current loading will take longer to obtain. I will forward it to you as soon as possible.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: <a href="mailto:timo.hakkarainen@hydroone.com">timo.hakkarainen@hydroone.com</a>

From: BAGGERMAN Rich

Sent: Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

**Subject:** Goldcorp's Load Assignment for 2011

Hi Timo

Gold Corp's load assignment for 2011 is 41.7 MVA for all Gold Corp properties.

Regards

Rich Baggerman Hydro One Distribution Planner 416 345 5887 rich.baggerman@hydroone.com This email and any attachments are being transmitted in confidence for the use of the individual(s) or entity to which it is addressed and may contain information that is confidential, privileged, proprietary, or exempt from disclosure. Any use not in accordance with its purpose, any distribution or any copying by persons other than the intended recipient(s) is prohibited. If you received this message in error, please notify the sender and delete the material.

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Total kVA demand	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2024	2025
Red Lake Complex	10600	10600	10600	10600	10600	10680	10760	10840	10922	11004	11086	11169	11253	11337	11422	11508
Campbell Complex'	17530	18120	18581	18785	19120	19263	19408	19554	19700	19848	19997	20147	20298	20450	20603	20758
Balmer Complex	9456	9536	11437	11213	11295	11380	11465	11551	11638	11725	11813	11902	11991	12081	12172	12263
Potential Total Loads on New Sub (Non-Coinc.)	37586	38255	40618	40598	41015	41323	41633	41945	42260	42577	42896	43218	43542	43868	44197	44529
Potential Total Loads Coincidental Peak (95%)	35707	36343	38587	38568	38965	39257	39551	39848	40147	40448	40751	41057	41365	41675	41988	42303
Cochenour Complex	2205	3675	3885	8332	8752	8817	8884	8950	9017	9085	9153	9222	9291	9361	9431	9501
Cochenour Complex Coincidental Peak	2095	3491	3691	7915	8314	8377	8439	8503	8566	8631	8695	8761	8826	8893	8959	9026
Total kVA Energy Demand RLGM	39791	41930	44503	48929	49767	50140	50516	50895	51277	51662	52049	52439	52833	53229	53628	54030
Total RLGM Coincidental Peak (95%)	37801	39834	42278	46483	47279	47633	47991	48351	48713	49079	49447	49817	50191	50568	50947	51329
Maximum Allocated Load to RLGM	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
Total Estimated Load on 115 kV Sub Due to																
HONI Allocated Load Restrictions (see note 1)	35707	36343	38009	33785	33386	33323	33261	33197	33134	33069	33005	32939	32874	32807	32741	32674

Note 1: New Balmer 115 kV Sub Load Not to Exceed HONI Allocated Load Minus Cochenour Complex Coincidental Peak

Coincidental peak is what will be metered at 115 kV sub, therefore use coincidental

Two Feathers to be disolved - 2.5 Meggs ??

This is Exhibit "Q" referred to in the Affidavit of Luc Major sworn December 1, 2011

Decay

Commissioner for Taking Affidavits (or as may be)

hassels. S. SMAFT earnister, solicitor & notary public p.o. Box 307 ged lake, ontario pov 2M0

From:

timo.hakkarainen@HydroOne.com

Sent:

Thursday, November 10, 2011 4:37 PM

To:

Curtis Pedwell; Luc Major; Dale Kosie

Cc:

raj.ghai@HydroOne.com

Subject:

FW: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Attachments: FW Goldcorp's Load Assignment for 2011.; RLGM Power Demand Forecast 15 Year for HON!

(CCRA)\_HONI.xls

Luc, Curtis and Dale - We have reviewed your load forecast and suggest that a load forecast based on coincident peak would more accurately reflect the actual load at Balmer CTS. The attached spreadsheet has been modified to show what the Balmer CTS loads would be if we use a 95% Coincident Load factor. These modified numbers are shown in row 18.

Please review and let me know if you agree with using the coincident load forecast for the CCRA.

If you have questions, I can set up a conference call with you, Raj and I to explain the rationale for using the 95% coincident load forecast.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: GHAI Raj

Sent: Thursday, November 10, 2011 4:20 PM

To: HAKKARAINEN Timo Cc: EL NAHAS Ibrahim

Subject: FW: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

#### Timo,

We found a minor discrepancy in Goldcorp's Load Forecast Calculations. The load at Balmer CTS is the difference between HONI assigned

capacity and Cochenour Complex Load when the total RLGM load exceeds the assigned capacity. The calculations use non-coincident assigned capacity (41.7 MVA) for total load whereas the subtracted Cochenour Complex load is coincident. The attached spread sheet contains the following information:

1) Sheet 1: Revised load forecast

2) Sheet 2: RLGM load forecast

I am also attaching the original load assignment e-mail from January 20, 2011.

Can you please forward it to Luc Major, Dale Kosie and Curtis Pedwell. Thanks.

# Rai Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

From: HAKKARAINEN Timo

Sent: Thursday, November 03, 2011 8:37 PM

To: GHAI Rai

Subject: Fw: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

**Importance:** High

Goldcorp load forecast is attached.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay ON P7B 6T8

Tel: 807-346-3875 Cell: 807-628-6665 Fax: 807-344-2310

Email: timo.hakkarainen@hydroone.com

**From**: Luc Major [mailto:luc.major@goldcorp.com] Sent: Thursday, November 03, 2011 06:03 PM

To: HAKKARAINEN Timo

Cc: Dale Kosie <Dale.Kosie@goldcorp.com>; Curtis Pedwell <Curtis.Pedwell@goldcorp.com> Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

Sorry for the delay. See attached. Please do not hesitate to call should you need any clarification.

Regards,

Luc Major **Major Consulting** Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: November-01-11 2:37 PM

To: Luc Major

• ''

Cc: Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Hi Luc – just checking to see how the load forecast is progressing. We will finalize the CCRA as soon as we get the data from you.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

**Sent:** Friday, October 21, 2011 4:10 PM

To: Luc Major

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – power factor and peak kVA data are included in the attached word document.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: <a href="mailto:timo.hakkarainen@hydroone.com">timo.hakkarainen@hydroone.com</a>

From: HAKKARAINEN Timo

**Sent:** Monday, October 17, 2011 11:43 AM

To: 'Luc Major'

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – the power factor data has been requested and is expected to be available by Tuesday October 25<sup>th</sup>. I will send it to you as soon as possible.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

Sent: Monday, October 17, 2011 8:56 AM

To: HAKKARAINEN Timo

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

Would it be possible to get the power factor during these peaks? These peaks are in MW and our load assignment is in MVA. Also all our forecasts are in kVA.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** October-14-11 2:10 PM **To:** Luc Major; Curtis Pedwell

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

The attached word document contains one year actual meter data for your delivery points at Red Lake Mine, Balmer Complex, Campbell Mine and coincident peak for all three delivery points combined.

Timo Hakkarainen
Customer Business Relations
Hydro One Networks Inc.
255 Burwood Road
Box 10309
Thunder Bay, ON
P7B 6T8
Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

**Sent:** Sunday, October 09, 2011 10:23 PM **To:** HAKKARAINEN Timo; Curtis Pedwell

Cc: BAGGERMAN Rich; GHAI Raj

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

I need a baseline to start from. Without HONI's current loading for RLGM I have nothing to start from.

## Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** October-07-11 2:58 PM **To:** Luc Major; Curtis Pedwell

**Cc:** rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Curtis and Luc - The email below contains Goldcorp's load assignment for 2011 at Red Lake TS.

The information on the current loading will take longer to obtain. I will forward it to you as soon as possible.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: BAGGERMAN Rich

Sent: Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

Subject: Goldcorp's Load Assignment for 2011

Hi Timo

Gold Corp's load assignment for 2011 is 41.7 MVA for all Gold Corp properties.

#### Regards

Rich Baggerman Hydro One Distribution Planner 416 345 5887 rich.baggerman@hydroone.com

This email and any attachments are being transmitted in confidence for the use of the individual(s) or entity to which it is addressed and may contain information that is confidential, privileged, proprietary, or exempt from disclosure. Any use not in accordance with its purpose, any distribution or any copying by persons other than the intended recipient(s) is prohibited. If you received this message in error, please notify the sender and delete the material.

Este correo electrónico y cualquiera de sus agregados están siendo transmitidos de manera confidencial para el uso de el(los) individuo(s) o entidad a la cual esta transmitida y puede contener información que es confidencial, privilegiada, propietaria o de acceso restringido.

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Ce courrier électronique et ses pièces jointes sont transmis en toute confidentialité pour l'utilisation de ou des personne(s) ou de l'entité à laquelle il est adressé et peut contenir des renseignements qui sont confidentiels, privilègiés, de droit de propriété ou exempt de divulgation. Toute utilisation non conforme, toute distribution ou duplication par les personnes autres que le(s) destinataire(s) sont formellement interdites. Si vous avez reçu ce message par erreur, notifiez s'il vous plaît l'expéditeur et supprimer le fichier.

This is Exhibit "R" referred to in the Affidavit of Luc Major sworn December 1, 2011

Because

Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART earnister, solicitor & notary public p.o. Box 307 red lake, ontario pov 2M0

From: Luc Major [luc.major@goldcorp.com]

Sent: Thursday, November 10, 2011 7:04 PM

To: timo.hakkarainen@HydroOne.com; Curtis Pedwell; Dale Kosie

Cc: raj.ghai@HydroOne.com

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

It's hard to follow what you are trying to do but I did use a coincidental peak of 95% in my calculation. I your spreadsheet it looks like you suggest we don't use the 95% coincidental peak for Cochenour. When we are allocated the 41.7 MVA at the end of the day that will be measured as a coincidental peak of all sites.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: November-10-11 3:37 PM

To: Curtis Pedwell; Luc Major; Dale Kosie

Cc: raj.ghai@HydroOne.com

Subject: FW: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc, Curtis and Dale – We have reviewed your load forecast and suggest that a load forecast based on coincident peak would more accurately reflect the actual load at Balmer CTS. The attached spreadsheet has been modified to show what the Balmer CTS loads would be if we use a 95% Coincident Load factor. These modified numbers are shown in row 18.

Please review and let me know if you agree with using the coincident load forecast for the CCRA.

If you have questions, I can set up a conference call with you, Raj and I to explain the rationale for using the 95% coincident load forecast.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: GHAI Raj

Sent: Thursday, November 10, 2011 4:20 PM

To: HAKKARAINEN Timo

Cc: EL NAHAS Ibrahim

Subject: FW: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

#### Timo,

We found a minor discrepancy in Goldcorp's Load Forecast Calculations. The load at Balmer CTS is the difference between HONI assigned

capacity and Cochenour Complex Load when the total RLGM load exceeds the assigned capacity. The calculations use non-coincident assigned capacity (41.7 MVA) for total load whereas the subtracted Cochenour Complex load is coincident. The attached spread sheet contains the following information:

1) Sheet 1: Revised load forecast

2) Sheet 2: RLGM load forecast

I am also attaching the original load assignment e-mail from January 20, 2011.

Can you please forward it to Luc Major, Dale Kosie and Curtis Pedwell. Thanks.

# Raj Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

From: HAKKARAINEN Timo

Sent: Thursday, November 03, 2011 8:37 PM

To: GHAI Raj

Subject: Fw: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Importance: High

Goldcorp load forecast is attached.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay ON

P7B 6T8

Tel: 807-346-3875 Cell: 807-628-6665 Fax: 807-344-2310

Email: timo.hakkarainen@hydroone.com

**From**: Luc Major [mailto:luc.major@goldcorp.com] **Sent**: Thursday, November 03, 2011 06:03 PM

To: HAKKARAINEN Timo

**Cc**: Dale Kosie <Dale.Kosie@goldcorp.com>; Curtis Pedwell <Curtis.Pedwell@goldcorp.com> **Subject**: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

Sorry for the delay. See attached. Please do not hesitate to call should you need any clarification.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: November-01-11 2:37 PM

To: Luc Major

Cc: Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Hi Luc – just checking to see how the load forecast is progressing. We will finalize the CCRA as soon as we get the data from you.

Timo Hakkarainen
Customer Business Relations
Hydro One Networks Inc.
255 Burwood Road
Box 10309
Thunder Bay, ON
P7B 6T8
Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

**Sent:** Friday, October 21, 2011 4:10 PM

To: Luc Major

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – power factor and peak kVA data are included in the attached word document.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8

Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: HAKKARAINEN Timo

Sent: Monday, October 17, 2011 11:43 AM

To: 'Luc Maior'

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Luc – the power factor data has been requested and is expected to be available by Tuesday October 25th. I will send it to you as soon as possible.

Timo Hakkarainen **Customer Business Relations** Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

**Sent:** Monday, October 17, 2011 8:56 AM

To: HAKKARAINEN Timo

Cc: BAGGERMAN Rich; GHAI Raj; Dale Kosie; Curtis Pedwell

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

Would it be possible to get the power factor during these peaks? These peaks are in MW and our load assignment is in MVA. Also all our forecasts are in kVA.

Regards,

Luc Major **Major Consulting** Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

Sent: October-14-11 2:10 PM To: Luc Major; Curtis Pedwell

**Cc:** rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

The attached word document contains one year actual meter data for your delivery points at Red Lake Mine, Balmer Complex, Campbell Mine and coincident peak for all three delivery points combined.

Timo Hakkarainen **Customer Business Relations**  Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: Luc Major [mailto:luc.major@goldcorp.com]

**Sent:** Sunday, October 09, 2011 10:23 PM **To:** HAKKARAINEN Timo; Curtis Pedwell **Cc:** BAGGERMAN Rich; GHAI Raj

Subject: RE: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Timo,

I need a baseline to start from. Without HONI's current loading for RLGM I have nothing to start from.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** October-07-11 2:58 PM **To:** Luc Major; Curtis Pedwell

Cc: rich.baggerman@HydroOne.com; raj.ghai@HydroOne.com

Subject: Goldcorp's Load Assignment for 2011 - Question from Conference call on Oct 7 2100

Curtis and Luc - The email below contains Goldcorp's load assignment for 2011 at Red Lake TS.

The information on the current loading will take longer to obtain. I will forward it to you as soon as possible.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

From: BAGGERMAN Rich

Sent: Friday, October 07, 2011 3:48 PM

To: HAKKARAINEN Timo

**Subject:** Goldcorp's Load Assignment for 2011

Hi Timo

Gold Corp's load assignment for 2011 is 41.7 MVA for all Gold Corp properties.

Regards

Rich Baggerman Hydro One Distribution Planner 416 345 5887 rich.baggerman@hydroone.com

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This is Exhibit "S" referred to in the Affidavit of Luc Major sworn December 1, 2011

Recour

Commissioner for Taking Affidavits (or as may be)

RUSSEL S. SMART Earnister, solicitor & notary public P.O. BOX 307 GED LAKE, ONTARIO POV 2MO

From: timo.hakkarainen@HydroOne.com

**Sent:** Monday, November 14, 2011 2:32 PM

To: raj.ghai@HydroOne.com; Luc Major; Curtis Pedwell; Dale Kosie

Subject: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS

loads

Attachments: Goldcorp RLGM Nov 11 MOM rf.doc

Attached are minutes from our conference call meeting on November 11th.

After the call, we realized the numbers we use for the load forecast in the CCRA need to be MW and not MVA as in the spreadsheet.

Please provide us with the Power Factor for Balmer CTS you would like for us to use to calculate the MW forecast for the CCRA.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com



# Goldcorp RLGM Load Forecast for CCRA

November 11, 2011

#### Attendees:

Dale Kosie, Luc Major, Raj Ghai, Timo Hakkarainen.

#### Absent:

Curtis Pedwell.

#### Purpose

Objective of the meeting is to review the load forecast and explain the rational for using a 95% coincidence factor for the Balmer CTS total load.

#### Decision made in meeting

Raj and Luc discussed the rationale for using a load forecast based on subtracting the Cochenour Complex Non Coincident Peak Load from the Maximum allocated Non - Coincident Peak Load (41,700 KVA) to arrive at a Non Coincident Load forecast for Balmer CTS. This Non Coincident load forecast for Balmer CTS is then converted to a 95% Coincident Peak load for Balmer CTS. It was agreed that the 95% Coincident Peak load forecast for Balmer CTS will be used in the CCRA load forecast.



After the meeting a minor calculation error was found in Hydro One corrected load forecast for 2011 and 2012. This error has been corrected in the attached load forecast.

Luc mentioned he was contacting IESO and SNC Lavalin about the effect of installing capacitor banks at Balmer CTS instead of Ear Falls to provide more capacity on E2R line. Raj mentioned that additional cap banks at Balmer CTS would help improve the load power factor but it would not completely offset the need for cap banks at Ear Falls. IESO is responsible for operation of the system and determining the system VAR compensation. Hydro One can answer questions relating to the capacity and benefit of capacitor.

<u>NOTE:</u> The power factor for Balmer CTS was not discussed in the meeting but is needed for converting MVA load into MW. In the CCRA load is given in MW and not MVA as provided by you. For this reason we need average power factor to be used to convert your MVA load to MW or alternatively you can give us your load in MW.

Topic	Assigned Actions	Person Responsible
Load forecast for CCRA	95% Coincident Peak load forecast for Balmer CTS will be used in the CCRA load forecast. Second HONI Revision tab on row 18 labelled Balmer CTS Coincident Load 95% on attached excel spreadsheet.	Raj Ghai
Power Factor	Goldcorp to provide power factor to be used for their load at Balmer CTS	Luc Major

Meeting Adjourned.

This is Exhibit "T" referred to in the Affidavit of Luc Major sworn December 1, 2011

Artons

Commissioner for Taking Affidavits (or as may he)

PUSSEL S. SMART darrister, solicitor a notary public P.C. BOX 307 GED LAKE, ONTARIO POV 2MO

From: Luc Major [luc.major@goldcorp.com]

Sent: Wednesday, November 16, 2011 2:50 PM

To: 'timo.hakkarainen@HydroOne.com'; 'raj.ghai@HydroOne.com'; Curtis Pedwell; Dale Kosie

Subject: RE: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS

loads

#### Timo/Raj,

I looked at the historical files and calculated the power factor. During the highest peaks the power factor if all sites were connected together would be 0.929 or 0.93.

#### Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

From: timo.hakkarainen@HydroOne.com [mailto:timo.hakkarainen@HydroOne.com]

**Sent:** November-14-11 1:32 PM

To: raj.ghai@HydroOne.com; Luc Major; Curtis Pedwell; Dale Kosie

Subject: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

Attached are minutes from our conference call meeting on November 11th.

After the call, we realized the numbers we use for the load forecast in the CCRA need to be MW and not MVA as in the spreadsheet.

Please provide us with the Power Factor for Balmer CTS you would like for us to use to calculate the MW forecast for the CCRA.

Timo Hakkarainen
Customer Business Relations
Hydro One Networks Inc.
255 Burwood Road
Box 10309
Thunder Bay, ON
P7B 6T8
Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

This is Exhibit "U" referred to in the Affidavit of Luc Major sworn December 1, 2011

Tracais

Commissioner for Taking Affidavits (or as may be)

PUSSEL G. SMART Baraister, solicitor & notary public P.O. BOX 307 GED LAKE, ONTAPIO POV 2MO

From:

raj.ghai@HydroOne.com

Sent:

Tuesday, November 22, 2011 11:36 AM

To:

Luc Major; Curtis Pedwell; Dale Kosie

Cc:

timo.hakkarainen@HydroOne.com

Subject:

FW: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer

CTS loads

Attachments: Goldcorp RLGM Nov 11 MOM rf.doc; Goldcorp RLGM Nov 11 MOM rf\_rev1.doc.xls

# Gentlemen,

The load forecast provided by you and later modified by us had duplicate year "2023" and is attached inside the MOM. This way the load forecast went from 2011 to 2025 instead of 2026. We have corrected this typo in the years and revised forecast is attached.

Thanks.

Rai Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

From: HAKKARAINEN Timo

Sent: Monday, November 14, 2011 2:32 PM

To: GHAI Raj; Luc Major (luc.major@goldcorp.com); Curtis Pedwell (Curtis.Pedwell@goldcorp.com); Dale Kosie

(dale.kosie@goldcorp.com)

Subject: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

Attached are minutes from our conference call meeting on November 11<sup>th</sup>.

After the call, we realized the numbers we use for the load forecast in the CCRA need to be MW and not MVA as in the spreadsheet.

Please provide us with the Power Factor for Balmer CTS you would like for us to use to calculate the MW forecast for the CCRA.

Timo Hakkarainen
Customer Business Relations
Hydro One Networks Inc.
255 Burwood Road
Box 10309
Thunder Bay, ON
P7B 6T8
Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com



# Goldcorp RLGM Load Forecast for CCRA

November 11, 2011

#### Attendees:

Dale Kosie, Luc Major, Raj Ghai, Timo Hakkarainen.

#### Absent:

Curtis Pedwell.

#### Purpose

Objective of the meeting is to review the load forecast and explain the rational for using a 95% coincidence factor for the Balmer CTS total load.

#### Decision made in meeting

Raj and Luc discussed the rationale for using a load forecast based on subtracting the Cochenour Complex Non Coincident Peak Load from the Maximum allocated Non - Coincident Peak Load (41,700 KVA) to arrive at a Non Coincident Load forecast for Balmer CTS. This Non Coincident load forecast for Balmer CTS is then converted to a 95% Coincident Peak load for Balmer CTS. It was agreed that the 95% Coincident Peak load forecast for Balmer CTS will be used in the CCRA load forecast.



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Luc mentioned he was contacting IESO and SNC Lavalin about the effect of installing capacitor banks at Balmer CTS instead of Ear Falls to provide more capacity on E2R line. Raj mentioned that additional cap banks at Balmer CTS would help improve the load power factor but it would not completely offset the need for cap banks at Ear Falls. IESO is responsible for operation of the system and determining the system VAR compensation. Hydro One can answer questions relating to the capacity and benefit of capacitor.

<u>NOTE:</u> The power factor for Balmer CTS was not discussed in the meeting but is needed for converting MVA load into MW. In the CCRA load is given in MW and not MVA as provided by you. For this reason we need average power factor to be used to convert your MVA load to MW or alternatively you can give us your load in MW.

Topic	Assigned Actions	Person Responsible
Load	95% Coincident Peak load forecast for	Raj Ghai
forecast	Balmer CTS will be used in the CCRA	
for CCRA	load forecast. Second HONI Revision	
	tab on row 18 labelled Balmer CTS	
	Coincident Load 95% on attached excel	
	spreadsheet.	
Power	Goldcorp to provide power factor to	Luc Major
Factor	be used for their load at Balmer CTS	

Meeting Adjourned.

Total kVA demand	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2024	2025
Red Lake Complex	10600	10600	10600	10600	10600	10680	10760	10840	10922	11004	11086	11169	11253	11337	11422	11508
Campbell Complex	17530	18120	18581	18785	19120	19263	19408	19554	19700	19848	19997	20147	20298	20450	20603	20758
Balmer Complex	9456	9536	11437	11213	11295	11380	11465	11551	11638	11725	11813	11902	11991	12081	12172	12263
Potential Total Loads on New Sub (Non-Coinc.)	37586	38255	40618	40598	41015	41323	41633	41945	42260	42577	42896	43218	43542	43868	44197	44529
Potential Total Loads Coincidental Peak (95%)	35707	36343	38587	38568	38965	39257	39551	39848	40147	40448	40751	41057	41365	41675	41988	42303
Cochenour Complex - Non Coincident	2205	3675	3885	8332	8752	8817	8884	8950	9017	9085	9153	9222	9291	9361	9431	9501
Cochenour Complex Coincidental Peak	2095	3491	3691	7915	8314	8377	8439	8503	8566	8631	8695	8761	8826	8893	8959	9026
Total kVA Energy Demand RLGM - Non Coincident	39791	41930	44503	48929	49767	50140	50516	50895	51277	51662	52049	52439	52833	53229	53628	54030
Total RLGM Coincidental Peak (95%)- Coincident	37801	39834	42278	46483	47279	47633	47991	48351	48713	49079	49447	49817	50191	50568	50947	51329
Maximum Allocated Load to RLGM - Non Coincident	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
Total Estimated Load on 115 kV Sub Due to									-							
HONI Allocated Load Restrictions (see note 1) Non Coincident	37586	38025	37815	33368	32948	32883	32816	32750	32683	32615	32547	32478	32409	32339	32269	32199
Balmer CTS - Coincident Load 95%	35707	36124	35924	31700	31301	31238	31176	31112	31049	30984	30920	30854	30789	30722	30656	30589

Note 1: The maximum allocated load to RLGM is a non-coincident MVA. In the calculations for line 17, we should be using non-coincident Cochenour load.

Note 2: In line 17, non-coincident loads were used to compute the non-coincident loading on Balmer CTS.

Note 3: In line 18, a coincident factor of 95% was used to compute the coincident loading on Balmer CTS.

Note 4: The corrected values are shown in Red above.

Note 5: There was a calculation error for Balmer CTS load for 2011 and 2012

Total kVA demand	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Red Lake Complex	10600	10600	10600	10600	10600	10680	10760	10840	10922	11004	11086	11169	11253	11337	11422	
Campbell Complex	17530	18120	18581	18785	19120	19263	19408	19554	19700	19848	19997	20147	20298	20450	20603	20758
Balmer Complex	9456	9536	11437	11213	11295	11380	11465	11551	11638	11725	11813	11902	11991	12081	12172	12263
Potential Total Loads on New Sub (Non-Coinc.)	37586	38255	40618	40598	41015	41323	41633	41945	42260	42577	42896	43218	43542	43868	44197	44529
Potential Total Loads Coincidental Peak (95%)	35707	36343	38587	38568	38965	39257	39551	39848	40147	40448	40751	41057	41365	41675	41988	42303
							ŀ									
Cochenour Complex - Non Coincident	2205	3675	3885	8332	8752	8817	8884	8950	9017	9085	9153	9222	9291	9361	9431	9501
Cochenour Complex Coincidental Peak	2095	3491	3691	7915	8314	8377	8439	8503	8566	8631	8695	8761	8826	8893	8959	9026
Total kVA Energy Demand RLGM - Non Coincident	39791	41930	44503	48929	49767	50140	50516	50895	51277	51662	52049	52439	52833	53229	53628	54030
Total RLGM Coincidental Peak (95%)- Coincident	37801	39834	42278	46483	47279	47633	47991	48351	48713	49079	49447	49817	50191	50568	50947	51329
Maximum Allocated Load to RLGM - Non Coincident	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
Total Estimated Load on 115 kV Sub Due to																
HONI Allocated Load Restrictions (see note 1) Non Coincident	37586	38255	37815	33368	32948	32883	32816	32750	32683	32615	32547	32478	32409	32339	32269	32199
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Red Lake Complex	10600	10600	10600	10600	10600	10680	10760	10840	10922	11004	11086	11169	11253	11337	11422	11508
Campbell Complex	17530	18120	18581	18785	19120	19263	19408	19554	19700	19848	19997	20147	20298	20450	20603	20758
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Maximum Allocated Load to RLGM	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
Total Estimated Load on 115 kV Sub Due to																
HONI Allocated Load Restrictions (see note 1)	35707	36343	38009	33785	33386	33323	33261	33197	33134	33069	33005	32939	32874	32807	32741	32674

Note 1: New Balmer 115 kV Sub Load Not to Exceed HONI Allocated Load Minus Cochenour Complex Coincidental Peak

Coincidental peak is what will be metered at 115 kV sub, therefore use coincidental

Two Feathers to be disolved - 2.5 Meggs ??

This is Exhibit "V" referred to in the Affidavit of Luc Major sworn December 1, 2011

Accounty

Commissioner for Taking Affidavits (or as may be)

ealletes, solicitor a notare de la p.o. Box 307 P.O. Box 307 FED LAKE, ONTARIO POV 2MO

From: Luc Major [luc.major@goldcorp.com]

Sent: Tuesday, November 22, 2011 2:02 PM

To: raj.ghai@HydroOne.com; Curtis Pedwell; Dale Kosie

**Cc:** timo.hakkarainen@HydroOne.com

Subject: RE: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS

loads

Thanks Raj. Any idea when we can expect the CCRA?

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

**From:** raj.ghai@HydroOne.com [mailto:raj.ghai@HydroOne.com]

**Sent:** November-22-11 10:36 AM

**To:** Luc Major; Curtis Pedwell; Dale Kosie **Cc:** timo.hakkarainen@HydroOne.com

Subject: FW: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

#### Gentlemen.

The load forecast provided by you and later modified by us had duplicate year "2023" and is attached inside the MOM. This way the load forecast went from 2011 to 2025 instead of 2026. We have corrected this typo in the years and revised forecast is attached.

Thanks. **Raj Ghai** 

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

From: HAKKARAINEN Timo

Sent: Monday, November 14, 2011 2:32 PM

To: GHAI Raj; Luc Major (luc.major@goldcorp.com); Curtis Pedwell (Curtis.Pedwell@goldcorp.com); Dale Kosie

(dale.kosie@goldcorp.com)

Subject: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

Attached are minutes from our conference call meeting on November 11th.

After the call, we realized the numbers we use for the load forecast in the CCRA need to be MW and not MVA as in the spreadsheet.

Please provide us with the Power Factor for Balmer CTS you would like for us to use to calculate the MW forecast

# for the CCRA.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

This is Exhibit "W" referred to in the Affidavit of Luc Major sworn December 1, 2011

Me Can

Commissioner for Taking Affidavits (or as may be)

RJOSEL S. SMART Earnster, solicitor e notary public P.O. Box 307 FIED LAKE, ONTAPIO POV 2MO

From: raj.ghai@HydroOne.com

Sent: Wednesday, November 23, 2011 1:28 PM

To: Luc Major

**Cc:** timo.hakkarainen@HydroOne.com; Curtis Pedwell; Dale Kosie

Subject: RE: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS

loads

#### Luc,

We are waiting for our Financial and Legal reviews. We should be sending the CCRA next month to Goldcorp for review and signatures. I will let you know as soon as I get a better idea about our reviews.

Have a nice day.

# Raj Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



Please consider the environment before printing this email.

**From:** Luc Major [mailto:luc.major@goldcorp.com] **Sent:** Tuesday, November 22, 2011 2:02 PM **To:** GHAI Raj; Curtis Pedwell; Dale Kosie

Cc: HAKKARAINEN Timo

Subject: RE: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

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Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

**From:** raj.ghai@HydroOne.com [mailto:raj.ghai@HydroOne.com]

**Sent:** November-22-11 10:36 AM

**To:** Luc Major; Curtis Pedwell; Dale Kosie **Cc:** timo.hakkarainen@HydroOne.com

Subject: FW: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

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Thanks.

Raj Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



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From: HAKKARAINEN Timo

Sent: Monday, November 14, 2011 2:32 PM

To: GHAI Raj; Luc Major (luc.major@goldcorp.com); Curtis Pedwell (Curtis.Pedwell@goldcorp.com); Dale Kosie

(dale.kosie@goldcorp.com)

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Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-628-6665 Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

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This is Exhibit "X" referred to in the Affidavit of Luc Major sworn December 1, 2011

Action 7

Commissioner for Taking Affidavits (or as may be)

RUSSELS. SMARU Earheter, solicitor & notary for the P.O. BOX 307 FIED LAKE, ONTAPIO POV 2MO

From:

Luc Major [luc.major@goldcorp.com]

Sent:

Saturday, November 26, 2011 12:44 PM

To:

raj.ghai@HydroOne.com; timo.hakkarainen@HydroOne.com

Cc:

Curtis Pedwell; Dale Kosie

Subject:

RE: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer

CTS loads

Importance: High

Raj/Timo,

Would it be possible to get a draft copy of the CCRA. Realizing the numbers and some of the wording may change, this would give us a head start on the review at our end.

Regards,

Luc Major Major Consulting Phone - (807) 662-2525 Cell - (807) 727-0690 Fax - (807) 662-4458

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Sent: November-23-11 12:28 PM

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Cc: timo.hakkarainen@HydroOne.com; Curtis Pedwell; Dale Kosie

Subject: RE: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

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Have a nice day.

Raj Ghai

Hydro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



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From: raj.ghai@HydroOne.com [mailto:raj.ghai@HydroOne.com]

**Sent:** November-22-11 10:36 AM **To:** Luc Major; Curtis Pedwell; Dale Kosie **Cc:** timo.hakkarainen@HydroOne.com

Subject: FW: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

#### Gentlemen.

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Sent: Monday, November 14, 2011 2:32 PM

To: GHAI Raj; Luc Major (luc.major@goldcorp.com); Curtis Pedwell (Curtis.Pedwell@goldcorp.com); Dale Kosie

(dale.kosie@goldcorp.com)

Subject: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS loads

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Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875 Cell:807-628-6665

Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

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This is Exhibit "Y" referred to in the Affidavit of Luc Major sworn December 1, 2011

Account

Commissioner for Taking Affidavits (or as may be)

FUSSEL S. Siver bathster, solicitor & notable P.O. BOX 307 FED LAKE, ONTAPIO POV 2MO

From: timo.hakkarainen@HydroOne.com

Sent: Monday, November 28, 2011 4:19 PM

To: Luc Major; raj.ghai@HydroOne.com

Cc: Curtis Pedwell; Dale Kosie

Subject: RE: Goldcorp RLGM Minutes of November 11, 2011 Meeting - need Power Factor for Balmer CTS

loads

Luc – Please bear with us for just a bit longer as we are very close to getting a draft of the CCRA ready to be sent to you for review and consideration.

I can send you blank templates of the CCRA but they would not tell you much and you would be duplicating effort in reviewing and reconciling the template to the marked up draft agreement once it is ready.

Timo Hakkarainen Customer Business Relations Hydro One Networks Inc. 255 Burwood Road Box 10309 Thunder Bay, ON P7B 6T8 Tel:807-346-3875

Cell:807-346-3875 Cell:807-628-6665 Fax:807-344-2310

Email: <a href="mailto:timo.hakkarainen@hydroone.com">timo.hakkarainen@hydroone.com</a>

**From:** Luc Major [mailto:luc.major@goldcorp.com] **Sent:** Saturday, November 26, 2011 12:44 PM

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Importance: High

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Hvdro One - TCT15 Phone: 416.345.5302 Cell: 416.985.5359



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Fax:807-344-2310

Email: timo.hakkarainen@hydroone.com

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