CHO-CH0030001-0024 R01

CHANGE ORDER LOWER CHURCHILL Between PROJECT **Company and Contractor**

CH0030 CHO No. 024 Agreement No: Supply & Install Turbines & Generators 01 Agreement Title: Rev. No: CHR-122 Rev. 01 **Muskrat Falls Corporation** Company: CHR No. Contractor: Andritz Hydro Canada Inc. Date: 27-Oct-2017

Description of Change:

CHR-122 Rev. 01 - Indoor Climate Controlled Storage in Montreal - The following Items are included in the below listed Prices:

- > Storage Fees at Montreal Warehouse;
- Material Handling at Montreal Warehouse;
- > Double Transportation for China Shipment Components (from Goose Bay Hangar to Montreal Warehouse and from Montreal Warehouse to Site);
- Inventory Control and Material Management;
- > inspection; and
- Security

Note:

- (1) Contractor's quoted Fold-A-Way at Site for Material Reception is not included in this CHO.
- Inflation of Deferred Transportation Costs is part of Amending Agreement (June 22, 2017).

CHO No.024 Revision 01 increases the storage duration to accommodate a total schedule realignment of twenty-nine (29) months.

Item 1.0 Indoor Climate Controlled Storage in Montreal from September 2015 to March 2018 - Maximum 22,695 Sq. Ft. per Month (Cumulative 419,834 Sq. Ft.) - Based on a 12-Month Schedule Delay Measured on the Adjustment to the Unit No. 1 Pit Free Schedule Date of 1 May 2016.

CAD\$ 2,719,613.00

Item 2.0 Indoor Climate Controlled Storage in Montreal – Extension of 22,695 Sq. Ft. per Month - Valid for an Additional 12-Month Schedule Delay Based on the Unit No. 1 Pit Free Revised Schedule Date beyond 1 May 2017.

CAD\$ 422,436.00

Monthly Unit Price: CAD\$ 70,406.00

Extended Storage Months: 6 Months

Item 2.1 Indoor Climate Controlled Storage in Montreal for an additional Eleven (11) Months beyond the Unit No. 1 Pit Free Revised 1 May 2017.

Monthly Unit Price: CAD\$ 70,406.00

Total Lump Sum Price:

CAD\$ 774,466.00

LOWER CHURCHILL PROJECT

CHANGE ORDER Between Company and Contractor

Payment Schedule - Item 1.0, 2.0, & 2.1

Terms of Payment:

 Upon Signing of Change Order by both Parties: \$ 350,000 o 29 February 2016: \$ 225,000 o 31 May 2016: \$ 325,000 o 31 August 2016: \$ 325,000 o 30 November 2016: \$ 250,000 o 28 February 2017: \$ 200,000 o 31 May 2017: \$ 250,000 o 31 August 2017: \$ 300,000



o 30 November 2017: \$ 300,000 28 February 2018: \$ 194,613 o 31 May 2018: \$ 211,218 o 31 August 2018: \$ 211,218 o 30 November 2018: \$ 211,218 o 28 February 2019: \$ 211,218 o 31 May 2019: \$ 211,218 o 31 August 2019: \$ 140,812

Item 3.0 Future Change Requests still to be finalized an included in the Agreement via Change Order that may require Indoor Climate Controlled Storage.

Monthly Unit Price per Square Foot (SF) of Material Stored: CAD\$5.88

Estimated Extended Storage Months: 18 Months

Estimated Square Foot (SF) of Material Stored: 1,000

Estimated Total Price Not to be Exceeded: CAD\$ 105,840.00

Terms of Payment:

Reimbursable based on:

- o Actual measured Square Foot (SF) usage (as shown on transportation documents) for each future Contractual Change Request that may require indoor climate controlled storage; and
- Above fixed Monthly Unit Price per Square Foot (SF).

Contractor's billing shall be at the same time as for Terms of Payment of above Item 1.

o HST 13% will be charged extra.

LOWER CHURCHILL PROJECT

CHANGE ORDER Between Company and Contractor

| o Contractor shall a Total Estimated Pr | | _ | | pended seventy-fi | ve perd | cent (75%) of the |
|---|--------------------|--------------|--------------|---|-------------|---------------------------------------|
| Supporting information th | at forms part of t | his Change (| Order: | | | |
| O CHO No. 024 Rev.0 | 11 | | | | | |
| o MF T&G Indoor Sto | | IR-111&122 | | | | |
| Change Includes: Price | | Schedule | Original Con | tract Price | CAD | 124,517,329.25 |
| | | | 1 | | USD | 36,635,422.14 |
| | | | | | Euro | 4,204,787.04 |
| Adjustment Type: 🔀 Lum | p Sum | Unit Rate | 1 | ange Orders Price nending Agreement) | CAD | 49,733,745.07 |
| Fixed | d Amount 🔀 | Estimate | 1. | (included in above | CAD | (71,700.00) |
| ⊠ Reiπ | nbursable | | This Change | | CAD | 774,466.00 |
| | | | Total Contra | ct Price to Date | CAD | 175,025,540.32 |
| | | | | | USD | 36,635,422.14 |
| | | | | | Euro | 4,204,787.04 |
| | | | | | | |
| Impact on Control Schedule: N/A Revised Finished Date: N/A | | | | | | |
| This Change Order shall fo The above adjustment to t Contractor for the above (| the Contract Price | | _ | • | | - |
| | | | | | | |
| Issued by Company: | | | Acknowle | edgement of Contr | actor R | eceipt: |
| Supply Chain Manager or I | Delegate Name: | | \:\ | | - | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| Michael Harris Mel Mo | elhem | | Signature | Mon - | an | |
| Signature: | Date: 27-Oct-20 |)17 | Name: | Marc C | n 2 B c. | SUN |
| Company Representative I | Name: | | | - | 1 | |
| Scott O'Brien | | | Date: | Mare a | 201 | 7 |
| Signature: | Date: | | | | | |
| 3 | OF VOYZO | 7 | | | | |
| | | | | | | |

Change Request 122

Long Term Indoor Storage

The delay in installation of the turbines and generators required the development of a long term storage solution. In 2013 Andritz was asked to investigate the options and over the preceding years an overall strategy was developed. The total solution includes increased preservation, establishment of laydown at the Muskrat Falls Site, warehouse space in Goose Bay (non-climate controlled) and a climate controlled warehouse in Montreal.

Large items such as the runner components, draft tube liners, etc that can tolerate outdoor conditions will be stored in the laydown area established at Site. Crates of smaller items that are required to be stored under cover are designated for the warehouse established in Goose Bay. Establishing these storage facilities at or near Site eliminated the cost of double handling and allowed Andritz to execute their original plans of shipping directly from China to Goose Bay.

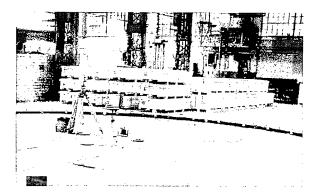
The electrical and some mechanical items, such as bearing pads, require climate controlled storage and the options investigated for this facility included:

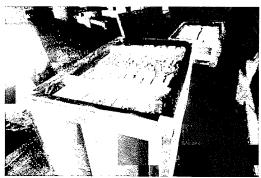
- Rental of warehouse space in Goose Bay. Andritz contacted businesses in the Goose Bay area to determine the availability and cost of warehouse space. Their investigation found that there was insufficient space for our needs and the costs were prohibitive.
- 2) Build an inflatable structure at Site. Two 10,000 square foot structures would be required at a cost of approximately \$4,000,000 for erection and dismantling. This was rejected due to the costs and concerns with the reliability of maintaining a climate controlled environment in an inflatable structure.
- 3) Rental of warehouse space in another part of the country. With the electrical equipment either manufactured in the Montreal area or entering the country through the Port of Montreal, the option of establishing a warehouse in Montreal was investigated and eventually chosen as the recommended solution. This is the option recommended in CHR-122

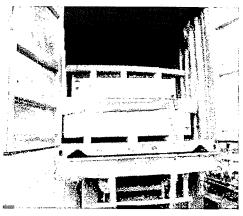
As described in the change request, Andritz obtained proposals from a number of facilities in the Montreal area. The facility selected is in Lachine near the Andritz office and has been used by Andritz previously. Details of an inspection of the warehouse are included in the proposal.

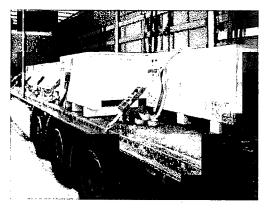
The change request is a lump sum price which includes rental of warehouse space, offloading and reloading the equipment, inventory control, periodic inspections, transportation of some mechanical items arriving from China at Goose Bay to Montreal and security. The price to cover a 12 month schedule delay is approximately \$2,700,000 with a cost of \$70,000 per monthly for extending the storage time. The schedule delay accommodates the original T&G/Civil contract milestone realignment and the subsequent civil delays. For budget proposes this has been estimated at 18 months. This would make the total CR value \$3,250,000.

The lump sum price is based on a calculation of the storage requirements made by Andritz. To verify the number a check was made of 7 of the 14 items listed in the table in Attachment #2 of the Change Request representing 60% of the estimated square footage requirements. The LCP calculation was based on drawings of the components, and typical packaging and storage arrangements seen in the manufacturing facilities. The calculated value was 14% higher than the Andritz number. The differences may be the result of the assumptions regarding stacking of the crates. Based on this, the storage estimate provided by Andritz seems reasonable.









Examples of Packaging: cw from Top, rim plates, bearing pads, stator punchings, rotor poles

Discussions with Andritz regarding the rate of \$2.30 per square foot used to calculate the lump sum storage costs identified that a contingency of between 10 and 15% has been included to accommodate the uncertainty in the square footage requirements. This seems appropriate based on the variation between the LCP and Andritz calculations. In addition, consideration was given to making the warehouse rental reimbursable rather than lump sum. This was would require more management by LCP as well as assuming the risk associated with uncertainty in space requirements. It is recommended that the lump sum price be accepted.

Two line items requested by Andritz were removed from the change request for further discussion. These were the fold-a-way building recommended for site and the escalation on the trucking costs from

Montreal. In order to allow Andritz to proceed with the warehouse contract these will be dealt with separately.

A number of change requests have been issued to cover the storage and preservation requirements as the anticipated storage duration changed as the project has progressed. A summary is provided below;

- CHR 104 Outdoor Storage of Circular Passage Liners: Liners were stored in Goose Bay until site laydown area became available. \$79,995.32
- CHR 111 Indoor Storage of T&G Components (Goose Bay). 40,000 square feet, \$3,109,403 for 18 months.
- 3) CHR 118 Storage of Primary Embedments in Goose Bay. \$262,953.00
- 4) CHR 284 Rim Plate Special Preservation \$18,539
- 5) CHR 290 PDA Coupler Additional Packaging \$1,936
- 6) CHR 287 Servomotor Additional Preservation \$45,513
- 7) CHR 288 CT Additional Packaging \$8,058
- 8) CHR 123 Site Outdoor Storage includes periodic inspection, maintenance of packaging, snow clearing, etc. CR pricing to be submitted
- 9) CHR 122 Montreal Indoor Storage. 20,000 square feet. \$3,247,889
- 10) Various change requests for offloading prior to site mobilization. Total value to be determined.
- 11) Recalibration of instruments required due to extended storage. CR to be submitted.
- 12) Costs associated with delayed purchase of short shelf life materials and consumables. CR to be submitted.

Total for which costs have been submitted = \$6,606,131

Order of Magnitude for remaining items = \$2,500,000

It should be noted that in all cases Andritz remains fully responsible for the materials, conducting periodic inspections and maintaining the preservation.

The cost of re-preservation of indoor stored components is not covered in this CHO.

13-Nov-2017

CIMFP Exhibit P-02979 Page 7

Muskrat Falls T&G - GTI Indoor Storage Extension - CHR-122 (CHO No. 24) - Payment Schedule

Pit Free Dates

| Units | Baseline | Revised |
|-------|-----------|---------|
| U1 | 1-May-16 | TBD |
| U2 | 17-Jul-16 | TBD |
| U3 | 21-Aug-16 | TBD |
| U4 | 25-Sep-16 | TBD |

Original Payment Schedule:

| Date | Amount | CHO No. 24 | Status |
|------------|-----------------|------------|-------------------|
| 2/15/2016 | \$ 350,000 | Item 1.0 | Invoiced and Paid |
| 2/29/2016 | \$ 225,000 | Item 1.0 | Invoiced and Paid |
| 5/31/2016 | \$ 325,000 | Item 1.0 | Invoiced and Paid |
| 8/30/2016 | \$ 325,000 | Item 1.0 | Invoiced and Paid |
| 11/30/2016 | \$ 250,000 | Item 1.0 | Invoiced and Paid |
| 2/28/2017 | \$ 200,000 | Item 1.0 | |
| 5/31/2017 | \$ 250,000 | Item 1.0 | |
| 8/31/2017 | \$ 300,000 | Item 1.0 | |
| 11/30/2017 | \$ 300,000 | Item 1.0 | |
| 3/31/2018 | \$ 194,613 | Item 1.0 | |
| Total | \$ 2,719,613 | | |
| • | | | |

Proposed Revised Payment Schedule - based on 24-month schedule delay:

| Date | Amount | CHO No. 24 | Status |
|------------|-----------------|------------|--|
| 2/15/2016 | \$ 350,000 | Item 1.0 | Invoiced and Paid |
| 2/29/2016 | \$ 225,000 | Item 1.0 | Invoiced and Paid |
| 5/31/2016 | \$ 325,000 | Item 1.0 | Invoiced and Paid |
| 8/30/2016 | \$ 325,000 | Item 1.0 | Invoiced and Paid |
| 11/30/2016 | \$ 250,000 | Item 1.0 | Invoiced and Paid |
| 2/28/2017 | \$ 200,000 | Item 1.0 | |
| 5/31/2017 | \$ 211,218 | Item 2.0 | CHO No. 24 (Item #2) - To be inserted in the PMT |
| 8/31/2017 | \$ 211,218 | Item 2.0 | schedule. \$70,406/month (\$211,218 per quarter) |
| 11/30/2017 | \$ 211,218 | Item 2.0 | CHO No. 24 to be revised by LCP - payment |
| 2/28/2018 | \$ 211,218 | Item 2.0 | inserted. \$70,406/month (\$211,218 per quarter) |
| 5/31/2018 | \$ 250,000 | Item 1.0 | |
| 8/31/2018 | \$ 300,000 | Item 1.0 | |
| 11/30/2018 | \$ 300,000 | Item 1.0 | |
| 2/28/2019 | \$ 194,613 | Item 1.0 | |
| Total | \$ 3,564,485 | | |
| | | | |

Proposed Revised Payment Schedule - based on 30-month schedule delay:

Date Amount CHO No. 24 Status

| Date | Amount | CHO No. 24 | Status |
|------------|-----------------|------------|--|
| 2/15/2016 | \$ 350,000 | Item 1.0 | Invoiced and Paid |
| 2/29/2016 | \$ 225,000 | Item 1.0 | Invoiced and Paid |
| 5/31/2016 | \$ 325,000 | Item 1.0 | Invoiced and Paid |
| 8/30/2016 | \$ 325,000 | Item 1.0 | Invoiced and Paid |
| 11/30/2016 | \$ 250,000 | Item 1.0 | Invoiced and Paid |
| 2/28/2017 | \$ 200,000 | Item 1.0 | |
| 5/31/2017 | \$ 211,218 | Item 2.0 | CHO No. 24 (Item #2) - To be inserted in the PMT |
| 8/31/2017 | \$ 211,218 | Item 2.0 | schedule. \$70,406/month (\$211,218 per quarter) |
| 11/30/2017 | \$ 211,218 | Item 2.0 | |
| 2/28/2018 | \$ 211,218 | Item 2.0 | CHO No. 24 to be revised by LCP - payment |
| 5/31/2018 | \$ 211,218 | Item 2.0 | inserted. \$70,406/month (\$211,218 per quarter) |
| 8/31/2018 | \$ 211,218 | Item 2.0 | |
| 11/30/2018 | \$ 250,000 | Item 1.0 | |
| 2/28/2019 | \$ 300,000 | Item 1.0 | |
| 5/31/2018 | \$ 300,000 | Item 1.0 | |
| 8/31/2019 | \$ 194,613 | Item 1.0 | |
| Total | \$ 3,986,921 | | |
| | | | |

| LOWER CHURCHILL PROJECT | CHANGE ORDER |
|-------------------------|---|
| | Between |
| | Muskrat Falls Corporation and Andritz Hydro Canada Inc. |

| Agreement No: | CH0030 | CHO No. | 024 |
|----------------------|---|----------|-----------------|
| Agreement Title: | Supply & Install Turbines & Generators | Rev. No: | 00 |
| Company: | Muskrat Falls Corporation | CHR No. | CHR-122 Rev. 01 |
| Contractor/Supplier: | Andritz Hydro Canada Inc. | Date: | 29-Jan-2016 |
| Change Title: | Indoor Climate Controlled Storage in Montreal | | |

Description of Change:

CHR-122 Rev. 01 – Indoor Climate Controlled Storage in Montreal – The following Items are included in the below listed Prices:

- Storage Fees at Montreal Warehouse;
- Material Handling at Montreal Warehouse;
- Double Transportation for China Shipment Components (from Goose Bay Hangar to Montreal Warehouse and from Montreal Warehouse to Site);
- Inventory Control and Material Management;
- Inspection; and
- Security

Note that the Contractor's quoted Fold-A-Way at Site for Material Reception and Inflation of Deferred Transportation Costs will be discussed at a later time with Contractor and are not included in the subject CHR-122 Rev. 01.

Item 1: Indoor Climate Controlled Storage in Montreal from September 2015 to March 2018 – Maximum 22,695 Sq. Ft. per Month (Cumulative 419,834 Sq. Ft.) – Based on a 12-Month Schedule Delay Measured on the Adjustment to the Unit No. 1 Pit Free Schedule Date of 1 May 2016

Total Lump Sum Price: CAD\$ 2,719,613.00

Terms of Payment:

| 0 | Upon Signing of Change Order by both Parties: | \$ 350,000 |
|---|---|------------|
| 0 | 29 February 2016: | \$ 225,000 |
| 0 | 31 May 2016: | \$ 325,000 |
| 0 | 31 August 2016: | \$ 325,000 |
| 0 | 30 November 2016: | \$ 250,000 |
| 0 | 28 February 2017: | \$ 200,000 |
| 0 | 31 May 2017: | \$ 250,000 |
| 0 | 31 August 2017: | \$ 300,000 |
| 0 | 30 November 2017: | \$ 300,000 |
| 0 | 31 March 2018: | \$ 194,613 |
| | | |

LOWER CHURCHILL PROJECT

CHANGE ORDER Between

Muskrat Falls Corporation and Andritz Hydro Canada Inc.

Note that these above Terms of Payment are based on a 12-month schedule delay measured on the adjustment to the Unit No. 1 Pit Free schedule date of 1 May 2016. If additional schedule extension beyond 1 May 2017 is required, the above listed payment terms of 31 May 2017 to 31 March 2018 will be deferred by the same additional extension duration.

Item 2: Indoor Climate Controlled Storage in Montreal - Extension of 22,695 Sq. Ft. per Month -Valid for an Additional 12-Month Schedule Delay Based on the Unit No. 1 Pit Free Revised Schedule Date beyond 1 May 2017

Monthly Unit Price: CAD\$ 70,406.00

Estimated Extended Storage Months: 6 Months

Estimated Total Price Not to be Exceeded: CAD\$ 422,436.00

Terms of Payment:

Reimbursable based on:

- Above fixed Monthly Unit Price; and
- Actual number of additional months of schedule delay beyond 1 May 2017.

Contractor's Billing shall be Bi-Monthly.

o Item 3: Future Change Requests still to be finalized and included in the Agreement via Change Order that may require Indoor Climate Controlled Storage

Monthly Unit Price per Square Foot (SF) of Material Stored: CAD\$ 5.88

Estimated Extended Storage Months: 18 Months

Estimated Square Foot (SF) of Material Stored: 1,000

Estimated Total Price Not to be Exceeded: CAD\$ 105,840.00

Terms of Payment:

Reimbursable based on:

- O Actual measured Square Foot (SF) usage (as shown on transportation documents) for each future Contractual Change Request that may require indoor climate controlled storage; and
- Above fixed Monthly Unit Price Per Square Foot (SF).

Contractor's billing shall be at the same time as for Terms of Payment of above Item 1.

LOWER CHURCHILL PROJECT

CHANGE ORDER Between

Muskrat Falls Corporation and Andritz Hydro Canada Inc.

| o HST 13% will be charged extra. | |
|--|--|
| o Contractor shall advise Company in writing Total Estimated Price of each of the above i | when it has expended seventy-five percent (75%) of the tems 2 and 3. |
| Supporting information that forms part of this Char | nge Order: |
| o Change Request CHR-122 Rev. 01 dated 27 | January 2016 |
| Change Includes: Price Schedul | |
| | USD 36,635,422.14 |
| Addresses at T. M. Louis A. M. Links | Euro 4,204,787.04 |
| Adjustment Type: Lump Sum Unit Rat | Previous Change Orders Price CAD 8,350,699.07 |
| Fixed Amount Estimate | Backcharges (Included in CAD (71,700.00) above and below Prices) |
| Reimbursable | This Change Order Price CAD 3,247,889.00 (Estimated Total Price Not To Be Exceeded) |
| | Total Contract Prices to Date CAD 136,115,917.32 |
| | (Including Estimated Total USD 36,635,422.14 |
| | Price Not To Be Exceeded) Euro 4,204,787.04 |
| | rued as an integral part of the above-noted Agreement. Ites full compensation (including all impacts costs) to the |
| API | PROVAL |
| Issued by Company: | Acknowledgement of Contractor Receipt: |
| | Contractor Representative Name: |
| Supply Chain Manager: | |
| Pat Hussey | Jeanne Li |
| Signature Date: | Signature: |
| 1 June 3 Feb 2016 | |
| ompany Representative Name: | |
| Scott O'Brien | 05-Feb-2016 |
| Signature: Date: | Date: |
| 3 - Feb. 2016 | |
| | |

| LOWER CHURCHILL PROJECT CHANGE REQUEST |
|--|
|--|

| | Indoor Climate Controlled Storage in | | |
|-----------------------|--------------------------------------|----------------------|--------------------|
| Change Request Title: | Montreal | CHR No. (Reference): | CHR-122 |
| Agreement No: | CH0030-001 | | |
| Agreement Title: | Turbines and Generators | Rev. No: | 01 |
| Company: | Muskrat Falls Corporation | CHO No.: | |
| Contractor/Supplier: | Andritz Hydro Canada Inc. | Date: | 27-Jan-2016 |
| | | Aconex No.: | CHR-CH0030001-0083 |
| | | DAN No.: | |
| | | PCN No.: | 0546 |
| | | | |

Description of Change Request and Reason (attach all supporting information):

CHR-122 Rev. 00 dated 7 July 2015 is deleted in its entirety and replaced by the subject CHR-122 Rev. 01 – Indoor Climate Controlled Storage in Montreal.

CHR-122 Rev. 01 – Indoor Climate Controlled Storage in Montreal – The following Items are included in the below listed Prices:

- Storage Fees at Montreal Warehouse;
- > Material Handling at Montreal Warehouse;
- > Double Transportation for China Shipment Components (from Goose Bay Hangar to Montreal Warehouse and from Montreal Warehouse to Site);
- > Inventory Control and Material Management;
- > Inspection; and
- > Security

Note that the Contractor's quoted Fold-A-Way at Site for Material Reception and Inflation of Deferred Transportation Costs will be discussed at a later time with Contractor and are not included in the subject CHR-122 Rev. 01.

o Item 1: Indoor Climate Controlled Storage in Montreal from September 2015 to March 2018 – Maximum 22,695 Sq. Ft. per Month (Cumulative 419,834 Sq. Ft.) – Based on a 12-Month Schedule-Delay Measured on the Adjustment to the Unit No. 1 Pit Free Schedule Date of 1 May 2016

Total Lump Sum Price: CAD\$ 2,719,613.00

Terms of Payment:

| 0 | Upon Signing of Change Order by both Parties: | \$ 350,000 |
|---|---|------------|
| 0 | 29 February 2016: | \$ 225,000 |
| 0 | 31 May 2016: | \$ 325,000 |
| 0 | 31 August 2016: | \$ 325,000 |
| 0 | 30 November 2016: | \$ 250,000 |
| 0 | 28 February 2017: | \$ 200,000 |

| Lower Churchill PROJECT | CHANGE REQUEST |
|-------------------------|----------------|
|-------------------------|----------------|

31 May 2017: \$ 250,000
 31 August 2017: \$ 300,000
 30 November 2017: \$ 300,000
 31 March 2018: \$ 194,613

Note that these above Terms of Payment are based on a 12-month schedule delay measured on the adjustment to the Unit No. 1 Pit Free schedule date of 1 May 2016. If additional schedule extension beyond 1 May 2017 is required, the above listed payment terms of 31 May 2017 to 31 March 2018 will be deferred by the same additional extension duration.

 Item 2: Indoor Climate Controlled Storage in Montreal – Extension of 22,695 Sq. Ft. per Month – Valid for an Additional 12-Month Schedule Delay Based on the Unit No. 1 Pit Free Revised Schedule Date beyond 1 May 2017

Monthly Unit Price: CAD\$ 70,406.00

Estimated Extended Storage Months: 6 Months

Estimated Total Price Not to be Exceeded: CAD\$ 422,436.00

Terms of Payment:

Reimbursable based on:

- o Above fixed Monthly Unit Price; and
- o Actual number of additional months of schedule delay beyond 1 May 2017.

Contractor's Billing shall be Bi-Monthly.

o Item 3: Future Change Requests still to be finalized and included in the Agreement via Change Order that may require Indoor Climate Controlled Storage

Monthly Unit Price per Square Foot (SF) of Material Stored: CAD\$ 5.88

Estimated Extended Storage Months: 18 Months

Estimated Square Foot (SF) of Material Stored: 1,000

Estimated Total Price Not to be Exceeded: CAD\$ 105,840.00

LOWER CHURCHILL
PROJECT

CHANGE REQUEST

Terms of Payment:

Reimbursable based on:

- Actual measured Square Foot (SF) usage (as shown on transportation documents) for each future Contractual Change Request that may require indoor climate controlled storage; and
- o Above fixed Monthly Unit Price Per Square Foot (SF).

Contractor's billing shall be at the same time as for Terms of Payment of above Item 1.

Supporting information that forms part of this Change Request:

Andritz Correspondence No. Andritzh-Email-002693 dated 11 November 2015 – Andritz Change
 Request Commercial Impact Analysis – CHR-122 Rev. 01 duly revised (highlighted in red) by Company

Description of impact on Control Schedule: N/A

Revised Finish Date: N/A

Lump Sum Price, Unit Price and Total Price Not To Be Exceeded and adjustment to the Contract Price: ltem Description Estimated Fixed Unit Estimated **UOM Total Price** Quantity Price CAD\$ (CAD\$) 1 LS \$2,719,613.00 Indoor Climate Controlled Storage in Montreal from September 2015 to March 2018 -Maximum 22,695 Sq. Ft. per Month (Cumulative 419,834 Sq. Ft.) - Based on a 12-Month Schedule Delay Measured on the Adjustment to the Unit No. 1 Pit Free Schedule Date of 1 May 2016 2 Indoor Climate Controlled Storage in Montreal Monthly 6 \$70,406.00 \$422,436.00 - Extension of 22,695 Sq. Ft. per Month - Valid for an Additional 12-Month Schedule Delay Based on the Unit No. 1 Pit Free Revised Schedule Date beyond 1 May 2017 3 \$105,840.00 Future Change Requests still to be finalized and Monthly 18 \$5.88 included in the Agreement via Change Order per Months that may require Indoor Climate Controlled Square 1,000 SF Storage Foot Estimated Total Price of this Change Request (Not to be exceeded): \$3,247,889.00

| | | CIMFP Exhibit | P-02979 | Page 1 | | | |
|---|----------------|-------------------|-----------|-------------|--|--|--|
| Lower Churchill Project | CHANGE REQUEST | | | | | | |
| O HST 13% will be charged extra. O Contractor shall advise Company in writing when it has expended seventy-five percent (75%) of the Estimated Total Price of each of the above items 2 and 3. | | | | | | | |
| ORIGINATOR 🔀 | COMPAN | NY CONTRACTOR/SUI | PPLIER | | | | |
| Title | | Name | Signature | Date | | | |
| Contract Administrate | or | Line Tremblay | | 27-Jan-2011 | | | |
| Package Lead | | Richard Severs | PA . | 27-Jan-2016 | | | |
| RECEIVED BY: | | | | | | | |
| Title | | Name | Signature | Date | | | |



Change Request Commercial Impact Analysis

| Agreement No: | CH0030 | CHR No. (Reference): | CHR-122 |
|----------------------|--------------------------------------|----------------------|-------------|
| | Lower Churchill Project – Turbines & | | |
| Agreement Title: | Generators | ECN No. | n/a |
| Company: | Muskrat Falls Corporation | Rev. No: | 01 |
| Contractor/Supplier: | Andritz Hydro Canada Inc. | Date: | 10-Nov-2015 |
| | | | |

Please modify CHR-122 (Rev00) with the following:

Description of Change Request and Reason (attach all supporting information):

Long-term heated warehouse in Montreal:

Further to receipt of the CHR-122 from LCP, this is to provide a Lump Sum Price for the long-term heated indoor warehouse (approximately 22,695 sq. ft. at peak time) for the storage of the components detailed in Attachment #4:

AH assessed the following five (5) warehouse facilities as potential candidates for the indoor heated storage:

- GTI Group (Lachine, Quebec)
- Traffic Tech Inc. (Anjou, Quebec)
- Awen (Boucherville, Quebec)
- Transport Jules Savard (Jonquiere, Quebec)
- Churchill Construction Ltd. (Goose Bay, Newfoundland and Labrador) max. capacity 14,403 sq. ft.

Based on cost effectiveness, capacity, location, safety, infrastructure and accessibility, both GTI Group and Traffic Tech Inc. qualified to be audited as final candidates for the indoor heated storage of the Muskrat Falls T&G components.

Upon completion of the audit for both warehouse facilities, AH has concluded that GTI Group is the recommended facility for the following reasons:

- Most competitive pricing;
- Has the capacity required by AH (with additional space if needed) for the overall duration specified;
- Facility is well secured it is only accessible during the day by appointment and fully gated at night;
- Health and Safety management is well implemented;
- Convenient location in Lachine (Montreal) close to AH's offices in Pointe-Claire, which minimizes costs and travel for inspection and material management support;
- Direct access to provincial Highway 20 for ease of transport;
- Wide door access for material handling;
- Infrastructure to handle heavy components (e.g. Rim Plates), including an overhead crane that can handle up to 47,000 lbs and a forklift with a 10,000 lb capacity;
- Well proven facility with past experience with AH (i.e. is familiar with Hydro products and has qualified crane operators and riggers to perform necessary lifting operations);
- Is structurally sound, secure, weather tight and heated as per the AH Standard Packaging Specification (P HCA SP 013/1e), and as identified in the Muskrat Falls Quality Plan AH-MUS-QA-0002 Rev 6.

The AH audit report is included in Attachment #6 for LCP's reference.

The AH Lump Sum Price includes costing for the following items:

- Storage fees at (Montreal) warehouse;
- Material handling at (Montreal) warehouse (approx. 186 truckloads in and out separately);
- Double transportation for China shipment components (from Goose Bay Hangar to Montreal Warehouse and from Montreal Warehouse to site – total eight (8) trucks);

- Inventory control and material management;
- Inspection;
- Security;
- Fold-A Way at site for material reception of the heated indoor storage components; ヒェムしとと
- Inflation of deferred-transportation costs (shipment-from-MTL-warehouse-to-site). Eェムしとと

Please review and approve this Change Quest Form by Tuesday, November 24th, 2015. This proposal expires on Wednesday, November 25th, 2015.

Attachment #1: Detailed Pricing Sheet (Item #1) and Proposed Payment Schedule (Item #1)

Attachment #2: Detailed Pricing Sheet (Item #2) Attachment #3: Detailed Pricing Sheet (Item #3)

Attachment #4: List of Components with storage requirements

Attachment #5: CHR-122 Attachment #6: Audit Reports

Attachment #7: AH's presentation (12-Jun-2015)

Attachment #8: Example of indoor storage tracking for open CHRs and future changes

| | ment #8. Example of indoor storage tracking for open cit | | | | |
|------|--|----------|----------|----------------------|---|
| | um price (or estimated cost) and adjustment to the Contr | 1 | | | |
| Item | Description | UOM | QTY | Unit Price | Extended Price |
| 1 | Indoor climate controlled storage in Montreal (with- | Lot | 1 | \$3, 401,41 3 | \$3,401,413 |
| | -LCP-schedule-delay-of-12-month) - from September | | | 2,719,613 | 2,719,613 |
| (| 2015 to March 2018 – max. 22,695 sq. ft. per month | | | | ' ' |
| | (cumulative 419,834 sq.ft.) | 00000000 | 1 | ۸ | |
| | Coumulative 419,834 sq.tt.) Based on a 12-Month Schedule Delay Adjustment to the Unit No. 1 Pit Fi Detailed Pricing Sheet is included in Attachment #1. | ree Sch | edule | Date | |
| | Detailed Pricing Sheet is included in Attachment #1. | OF | Mayo | 0.110 | |
| | | _, . | 1117 | O (G | |
| | Notes: 1) The storage of the non-approved change | | | | |
| | requests is not included in this item and will be | | | | |
| | charged separately; 2) An adjustment of 13,189 sq. ft. | | | | |
| | has been incorporated for the Mfg schedule change | | | | |
| | of the Stator Bars and P&C Systems. | | | | |
| | Proposed Payment Milestones (Item #1): ReFer + | the a | پدودکے – | Terms of Po | guent on |
| | - See-Attachment-#1-for-the-detailed-payment | | | | CHO no. 24 |
| | schedule of Item #1 above | | | | |
| | - Note: Narch 2017 to March 2018 payment | | | | |
| | milestones will be pushed out by the same period | | | | |
| | of time if LCP schedule is further delayed beyond | | | | |
| | 12 months (see Item #2-below) 1 May 201 | 7- | | | D. in Large |
| 2 | Extension of 22,695 sq. ft. indoor climate controlled | Monthly | 1 | \$70,406 | \$20,406 |
| | storage in Montreal (valid for further 12 months) Sche | dule Del | by base | d on the | |
| | Detailed Pricing Sheet for monthly rate is included in | Unit | Pit F | tee Revised | Schebule Dat |
| | Attachment #2. | | 1 | May 2017) | |
| | Proposed Payment Milestones (Item #2): | | | | - Q |
| | - Starting to pay in June 2017 if LCP schedule is | feFe+ t | o the | | us of Paymen |
| | further delayed beyond 12-months (May 20) | 17 | | OU CHO | no. 24 |
| 3 | AH will maintain a separate tracking file for the | sq. ft. | 1 | \$5.88 | T&M |
| | indoor storage in associated with the open change | Month | | | Reimbursable |
| | requests. A price adjustment will be required based | 1.10KIN | | | , ==, , , , , , , , , , , , , , , , , , |
| | on the actual storage required for these change | | | | |
| | requests. The template of the tracking file is included | | | | |

CIMFP Exhibit P-02979

| ARDRICE | 17 |
|---------|----|
| Hvdro | |

| | | | | | Hydro |
|-----------------|-------------------------------------|--------|---------|---------|-------------|
| in Attachmei | nt #8 for LCP's reference. | | | | |
| Proposed-Pa | yment-Milestones-(Item-#3):> √2 c F | r to t | he agu | ced Ter | ms of Vayme |
| - TBA (bas | ed on the actual storage duration) | | | on | CHO NO. 24 |
| 13% HST will | be charged extra. | | | | |
| Title | Name | | Signat | ure | / Date |
| AH Project Mana | | | O'BIIGE | | 10-Nov-2015 |



| BUDGETA | RY PRICING SHEET | |] | - |
|--|--|--------------------|---------------|---------------------|
| CUSTOMER: | Muskrat Falls Corporation | | DATE: | 10-Nov-2015 |
| SITE: | Lower Churchill Project CH0030 | | CURRENCY: | CAD\$ |
| CHANGE REQUEST (CR) NUMBER: | CHR-122 | | UNIT: | 1, 2, 3, 4 & Spares |
| CVR NUMBER (ANDRITZ): | N/A | | | |
| DESCRIPTION: | Long-term heated warehouse in Montreal (base | ed on 12-month LCF | schedule dela | 0 |
| | Description | QTY | Rate | Total |
| Warehouse storage fee in Montreal (incl. infrastructure and security) | 419,834 sq. ft. cumulative from Sep'15 to Mar'18 Note: An adjustment of 13,189 sq. ft. has been incorporated for the Mig schedule change of the Stator Bars and P&C Systems | 419,834 | \$2.30 | \$965,618 |
| Material handling (receiving, space optimization and shipping) at MTL warehouse | Equipment, operators, labour, AH supervison - approx. 186 trucks in and 186 trucks out | | | \$1,231,320 |
| Inventory control and material management (tracking materials in & out and movement (LMS)) | Material tracking over the course of 31 months (Sept 2015 to March 2018) | | | \$241,760 |
| Inspection (AH Inspector to verify integrity of parts) | 2 days per month x 31 months (Sept 2015 to March 2018) | | | \$76,880 |
| Exとし」ととと Fold-A-Way-on-site-for-material-consolidation | Infrastructure-installation and dismantling | | \$575:000: | |
| Transportation of China components from Goose Bay to MTL | 8 Trucks | В | \$9,200.00 | |
| Transportation of China components from MTL to Site | 8 Trucks | 8 | \$9,660.00 | |
| Triage of China components at Goose Bay Hangar (incl. material handling at GBH) | Triage of materials on a total of 8 trucks (2 days per truck) - Incl. Equipment, operators, labour, AH supervison | | | \$53,155 |
| ExcludeL | 5% inflation per year for 1.5 years (178 trucks x \$8,000/turck x 1.5 year + 15% markup per | | | ć |
| Milation-to-deterred-transportation-costs—shipment-from MTL-warehouse-to-site-(estimated-1:5-years) | contract) - Note: 8 trucks for China components are charged separately above | | | \$100,880 |
| | TOTAL | | | \$3,401,413 |

Notes:

1. A small fold-a-way is required at site for optimizatin of shipments per the original Shipping Plan since the Service Bay Area may not be able to handle the receipt of the all materials in a truck at once. This eliminates the cost of additional trucks & material handling at site and minimizes Service Bay space constraints.

2. Packing / protection issues discovered during bi-weekly inspections are not included in the above price.

GRAND TOTAL

Note: Taxes extra

212,013

| Manth-Year Sep-15 Cct-15 Nov-15 Dec-15 Jan-16 May-16 Apr-16 May-16 Jun-16 Jun-16 | Storage Requirement (SO FT) - Original 1,147 1,147 4,525 4,877 5,756 7,7023 9,973 11,397 | Adjusticant | D2 late in Birk A labelity is | | | 11125 43,50mm | AN Fac An interest | estar Augsbreid | f. (Par A ringtonia | Requirement (SQ FT) - Revised | Payment Schedule (CDNS) | |
|--|---|-------------|----------------------------------|--|--|----------------------|-----------------------|---------------------------------------|--|-------------------------------------|----------------------------|----------------|
| Sep-15 Oct-15 Nov-15 Dec-15 Jan-16 Feb-16 Mar-16 Apr-16 May-16 | 1,147 1,147 4,525 4,877 5,756 7,023 9,973 11,397 | | 7 2275 1 | Augustin er | Asymmet | A 3 Junterson 1 | | | | | | |
| Oct-15 Nov-15 Dec-15 Jan-16 Feb-16 Mar-16 Apr-16 May-16 Jun-16 | 1,147 4,525 4,877 5,756 7,023 9,973 11,397 | | | | | | | N. 42 (4.1.2) (1.1.2) | #1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | H8VISBQ 1,147 | | 20% downpay |
| Nov-15 Dac-15 Jan-16 Feb-16 Mar-16 Apr-16 May-16 | 4,525 4,877 5,756 7,023 9,973 11,397 | | | | | | | | | 1,147 | 14.862 | Eu is aumi pay |
| Jan-16 Feb-16 Mar-16 Apr-16 May-16 Jun-16 | 4,877 5,756 7,023 9,973 11,397 | | | | | | | | | 4,525 | 29,325 | |
| Feb-16 Mar-16 Apr-16 May-16 Jun-16 | 7,023 9,973 11,397 | | , | | | | | | | 4,877 | 31,510 | |
| Mar-16 Apr-16 May-16 Jun-16 | 9,973 11,397 | (.12.50) | ł | | | | | | - Marie Control | 5,756 | 37,309 | |
| Apr-16 May-16 Jun-16 | 11,397 | (12.50) | | | | | | | | 7,023 | 45,520 | |
| May-16 Jun-16 | | | | | | (303.61) | | | | 9,127 | 59,155 | |
| Jun-16 | 15.792 | 64217 | | | | (303.61) | | | | 10,551 | 68,384 | |
| | 17,250 | | (542.50) (542.50) | | | (0), 2 (1) | (303.614 | | | 14,100 | 91,388 | |
| DUI-10) | 22.626 | | (542.50) | | (542.50) | (2.2.61) (2.3.61) | (303.61) | .3.3.011 | 1 1.01) | 16,101 19,784 | 104,355 128,229 | |
| Aug-16 | 22.695 | | (542.50) | (542.50) | (542.50 | (J: 7.61) | (303.61) | 1203.51 | (* 51) | 20,396 | 132,195 | |
| Sep-16 | 22,695 | | | (542.50) | (542.5/ | 200 | (303.61) | (257.7 | 61) | 20,396 | 132,195 | |
| Oct-16 | 22,695 | | | 10.12.00 | 1046.0 | 1 : 11 | (303.61) | (3-5, 1 | (13. | 21,481 | 139,227 | |
| Nov-16 | 22,695 | | | | | | (0.2.0.1) | · · · · · · · · · · · · · · · · · · · | | 22,695 | 147,099 F | Peak time |
| Dec-15 | 22,695 | | | | | | | | | 22,695 | 147,099 F | |
| Jan-17 | 22,695 | | | | A STATE OF THE PARTY OF THE PAR | | | | | 22,695 | 147,099 F | |
| Feb-17 | 22,695 | | | | | | | | | 22,695 | 147,099 F | |
| Mar-17 | 22,695 | | | The state of the s | | | | | | 22,695 | 147,099 F | |
| Apr-17 | 22,695 | | 1 | | | | | | | 22,695 | 147,099 F | |
| May-17 Jun-17 | 22,695 21,937 | | | f | | | | | | 22,695 | 147,099 F | Peak time |
| Jul-17 | 19,862 | | | | | | | | | 21,937 19,862 | 142,186 128,735 | |
| Aug-17 | 19,150 | | | | | | | | | 19,150 | 128,735 | |
| Sep-17 | 16,700 | | | | | | | | | 16,700 | 108,239 | |
| Oct-17 | 13,751 | | | | | | | | | 13,751 | 89,123 | |
| Nov-17 | 6.920 | | | T | | | | | | 6,920 | 44,854 | |
| Dec-17 | 0.900 | | | | | | | | | 3,900 | 25,277 | |
| Jan-18 | 1,566 | | | | | | | | | 1,566 | 10,149 | |
| Feb-18 | 538 | | | | | | | | | 538 | 3,489 | |
| Mar-18 | 233 | | | | | | | | | 233 | 1,510 | |
| | 433,024 | (1,628) | (1,628) | (1,628) | (1,628) | (2,429) | (1,822) | (1,214) | | | 3,401,413 | |

Terms of Payment on CHO no. 24

| | for Stator Bars from | | 1 | 1,1111111111111111111111111111111111111 | |
|--------------------------------------|---|---|---|---|---|
| | Original Dates - | Revised RTS Dates | Storage Requirement | Delay of Storage | Total adjustment |
| Unit# | (DD-MM-YY) | (DD-MM-YY) | (SQ. FT.) | (Months) | (SQ. FT.) |
| U1 Stator Bar | 11-Mar-16 | 2-Jun-16 | 543 | 3 | 1,628 |
| U2 Stator Bar | 27-May-16 | 18-Aug-16 | 543 | 3 | 1,628 |
| U3 Stator Bar | 1-Jul-16 | 22-Sep-16 | 543 | 3 | 1,628 |
| U4 Stator Bar | 23-Jul-16 | 14-Oct-16 | 543 | 3 | 1,628 |
| | | | | | 6,510 |
| | | | | | |
| | | | | | |
| Changed Dates | for P&C from HEMI | | | | |
| Changed Dates Unit # | Original Dates - (DD-MM-YY) | Revised RTS Dates (DD-MM-YY) | Storage Requirement (SQ. FT.) | Delay of Storage (Months) | Total adjustment (SQ. FT.) |
| Unit# | Original Dates - | Dates | Requirement (SQ. FT.) | Storage | adjustment |
| | Original Dates - (DD-MM-YY) | Dates (DD-MM-YY) | Requirement (SQ. FT.) 304 | Storage (Months) | adjustment (SQ. FT.) |
| Unit# U1 P&C | Original Dates - (DD-MM-YY) 11-Mar-16 | Dates (DD-MM-YY) 2-Nov-16 | Requirement (SQ. FT.) 304 304 | Storage (Months) 8 | adjustment (SQ. FT.) 2,42 |
| Unit # U1 P&C U2 P&C | Original Dates - (DD-MM-YY) 11-Mar-16 27-May-16 | Dates (DD-MM-YY) 2-Nov-16 2-Nov-16 | Requirement (SQ. FT.) 304 304 | Storage (Months) 8 6 | adjustment (SQ. FT.) 2,42 1,82 |
| Unit # U1 P&C U2 P&C U3 P&C | Original Dates - (DD-MM-YY) 11-Mar-16 27-May-16 1-Jul-16 | Dates (DD-MM-YY) 2-Nov-16 2-Nov-16 2-Nov-16 | Requirement (SQ. FT.) 304 304 304 | Storage (Months) 8 6 4 | adjustment (SQ. FT.) 2,42 1,82 1,21 |
| Unit # U1 P&C U2 P&C U3 P&C | Original Dates - (DD-MM-YY) 11-Mar-16 27-May-16 1-Jul-16 23-Jul-16 | Dates (DD-MM-YY) 2-Nov-16 2-Nov-16 2-Nov-16 | Requirement (SQ. FT.) 304 304 304 | Storage (Months) 8 6 4 | adjustment (SQ. FT.) 2,42 1,82 1,21 |

ANDREZ

| BUDGETA | RY PRICING SHEET | |] | |
|---|--|-------------------------|----------------|---------------------|
| CUSTOMER: | Muskrat Falls Corporation | _ | DATE: | 10-Nov-2015 |
| SITE: | Lower Churchill Project CH0030 | _ | CURRENCY: | CAD\$ |
| CHANGE REQUEST (CR) NUMBER: | CHR-122 | | UNIT: | 1, 2, 3, 4 & Spares |
| CVR NUMBER (ANDRITZ): | N/A I Mav | | | |
| DESCRIPTION: | Long-term heated warehouse in Montreal - N beyond Mazón 2018 2017 | fonthly Fee for additio | nal 12 month e | xtension of time |
| | Description | QTY | Rate | Total |
| Warehouse storage fee in Montreal (Incl. infrastructure and security) | 22,695 sq. ft. (peak time) x \$2.30/sq.ft per month | 22,695 | \$2.30 | \$52,199 |
| Inspection (AH Inspector to verify integrity of parts) | 2 days per month | | | \$3,100 |
| Inventory control and material management | | | | \$12,400 |
| Inflation 4% | For above 3 items | | | \$2,708 |
| | TOTAL | | ł | \$70,406 |

GRAND TOTAL 70,406

Note: Taxes extra



\$5.88

| BUDGE | FARY PRICING SHEET | | |
|---|--|---------------------------|---------------------|
| CUSTOMER: | Muskrat Falls Corporation | DATE: | 10-Nov-2015 |
| SITE: | Lower Churchill Project CH0030 | CURRENCY: | CAD\$ |
| CHANGE REQUEST (CR) NUMBER: | CHR-122 | UNIT: | 1, 2, 3, 4 & Spares |
| CVR NUMBER (ANDRITZ): | N/A | | |
| DESCRIPTION: | Price for Storage of Components of fut | ure Change Requests (Iter | m #3) |
| | Description | | Total |
| Warehouse storage fee in Montreal (incl. infra | structure and security) | | \$2.30 |
| Inventory control and material management (t | racking materials in & out and movement (LMS)) | | \$0.56 |
| Inspection (AH Inspector to verfiy integrity of p | arts) | | \$0.18 |
| Material handling (receiving, space optimizatio | n and shipping) | | \$2.84 |

Note: Taxes extra

Grand Total



Muskrat Falls T&G - List of Components with Storage Requirements

| Origin | Description | # of Crates | Total SQ FT | Stacked SQ FT - actual Foot Print allowed for material handling and accessibility |
|---------|---|-------------|-------------|---|
| China | China Shipment #3 & 4 Rotating Ring, Thrust Ring, Runner Gland Ring & Blade Seals | 18 | 1,842 | 1,918 |
| China | Bearings | 30 | 1,219 | 1,270 |
| India | Wound Poles | 340 | 8,593 | 1,887 |
| Poland | Rim Plates | 776 | 17,431 | 4,586 |
| Austria | Punchings | 316 | 2,517 | 1,410 |
| Canada | Turbine Components | 61 | 896 | 760 |
| Canada | Rotor Connections (PB 6323) | 20 | 1,670 | 991 |
| Canada | Stator Bars (PB 6635) | 48 | 4,166 | 2,170 |
| Canada | Circuit ring Tap (PB 6646) | 4 | 426 | 444 |
| Canada | Remaining Generator Components | 175 | 3,061 | 3,091 |
| Canada | ВОР | 16 | 232 | 241 |
| Canada | Exicitation | 12 | 1,393 | 1,451 |
| Canada | HPU | 4 | 1,210 | 1,261 |
| Canada | Protection & Control | 48 | 1,166 | 1,214 |
| | | 1,868 | 45,823 | 22,695 |

- Turbine and Generator Bearings
- Poles
- Stator Punchings
- Stator Bars and Pole Jumpers
- Rotor Connections
- Rotating Rings
- Thrust Rings
- Collector Rings
- Circuit Rings
- Rotor Rim Plates
- Excitation Systems
- HPU Equipment
- Protection and Control Systems
- Air Gap Monitoring Systems
- Current Transformers
- Other (HPOIS, Instrumentation, Brush Riggings Runner Gland Rings, Blade Seals, Main Lead, Neutral Lead, etc.)

ARDREIZ, Hydro

| FO | OWER CHURCHILL CHANGE REQUEST PROJECT | | | | | | | | |
|---|---|---|--|---|---|---|-----------------------------|-------------|--|
| Agree | ment No: | | CHR No. (Reference | | | СНЕ | ₹-122 | | |
| _ | ment Title: | CH00300001 Turbines & Ge | nerators | | | Rev. No: | | 0 | |
| Comp | | Muskrat Falls Corporation | | | CHO No: | | | | |
| 1 | actor/Supplier: | | itz Hydro Canada Inc. | | | Date: | 07/Ju | 1/2015 | |
| | | | | | - | Aconex No.: CH | R-CH0030 | | |
| | | | | | | Dan No.: | | | |
| | | | | | ĺ | PCN no.: | | | |
| Descri | iption of Change Re | quest and Reaso | on (attach all supporting | nformation) | | | | | |
| wareh climat Selecti Quote extend | ousing in the Mont e controlled condit ion of facility shall b shall be based on a ding up to an addition | real area. The vons such as polone subject to appoint a minimum of a ponal 12 months. | ice for the provision of alwarehouse shall be used to b | to store turb control cabi the original (| ine and ge inets, bars Contract m | nerator componer . rotating rings, thi | nts requirir rust rings, | ng | |
| Descrip Change | ption of impact on (| Control Schedul | ility and price breakdown | | estones. | | | | |
| Lump s | sum price (or estim | ated Cost) and a | djustment to the Contra | ct Price: | | | <u></u> | | |
| ltem | Description | | | иом | QTY | Fixed Price | Extende | ed Pric | |
| 1 | 20,000 square feet, indoor climate control storage in Montreal area. | | | LS | 1.00 | | | 0. | |
| 2 | Extension of stor | age duration | | FT ² per | | | | 0. | |
| 2 | Extension of storage duration | | | Month | | | | 0. | |
| | | | | Mona | | | | | |
| | | | | Value of | thic Chang | ge Request: | \$ | | |
| | | | | value 01 | una Challe | se nequest. | 13 | | |
| ÖRIGIN | | COMPANY | CONTRACTOR/SUPPLIER | 014 | | | | | |
| Title | | | Name | Signature | | | Date | | |
| Contract Administrator | | | L. Tremblay | | | | 7-301-2015 | | |
| Package Lead | | | R. Severs | THE | | | 7- JUL-2015 | | |
| Receive | | | | | | | | | |
| Title AH Project Manager | | | Name | Signature | | | Date 03-Supt-2 | | |
| , | | | Joanne Ruddotte | | Jigitature | • | | | |



Traffic Tech Inc.

Address: 10301 Colbert, Anjou, PQ

Contact: Marc Dubois, 514-730-9446

Date of visit: August 12th, 2015

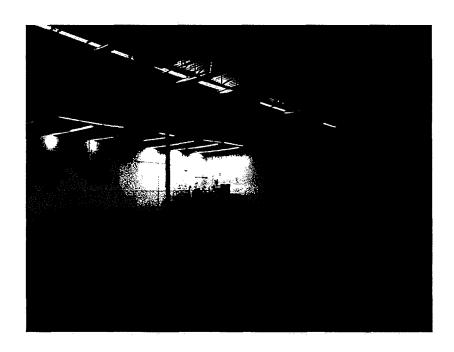
Description of facility:

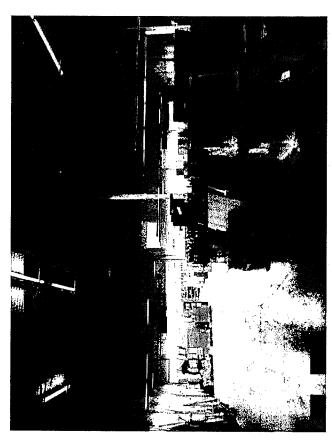
This warehouse, located in Anjou with immediate access to provincial highway 25, has a capacity of 58 000 square feet inside and 77 000 square feet outdoor. It is heated and/or conditioned with a temperature range of 18 degrees Celsius to 28 degrees Celsius. The doors of the loading dock are 106 inches wide by 108 inches tall but there is also another warehouse in the immediate vicinity that has doors with dimension of 240 inches wide by 192 inches tall.

There is a possibility of using a 13 000 lbs forklift but there is no overhead crane. Therefore, the loading/offloading capacity is limited to 13 000 lbs for now. There is also a possibility of keeping racking in place (already present) this racking has a capacity of 5600 lbs per shelf.

With regards to Health and Safety, a quick check was done to ensure that fire protection system is up to code. Fire extinguishers, sprinklers and emergency exits were checked and everything seems to be adequate. As to site security, an alarm system with sensors is in place (no security guard) with online access to cameras available for Andritz Hydro.

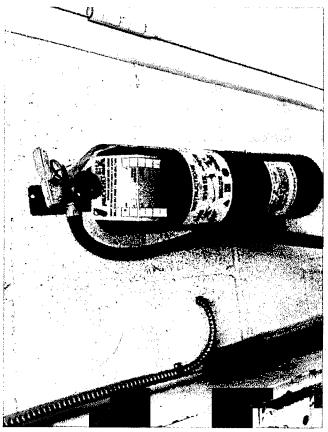
The attached pictures were taken at the time of the visit:















GTI Group

Address: 5205 Fairway, Lachine, PQ

Contact: Serge Girard, 514-349-3530

Date of visit: August 18th, 2015

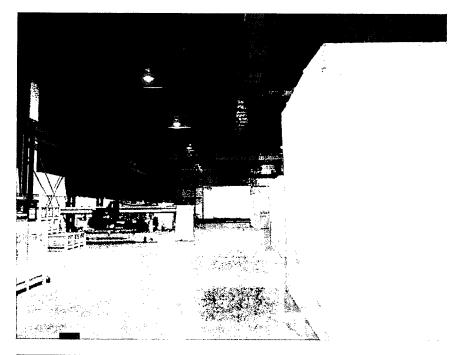
Description of facility:

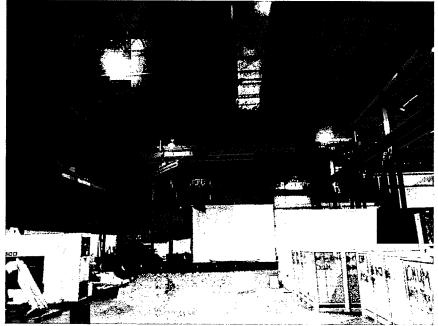
This complex located in Lachine on Fairway St has a total capacity of more than 200 000 square feet and has direct access to provincial highway 20. It is heated and conditioned and can be equipped with racking if needed. An interesting point is that it is already used by Andritz Hydro compact group as well as several high profile customers like CAE, Rolls Royce and Voith Hydro. Therefore, the site security is really well managed with presence 24/7. Access doors for loading/offloading are of a dimension of approximately 180 inches wide and 180 inches tall.

A forklift with 10 000 lbs capacity is present as well as an overhead crane of 47 000 lbs of capacity, which could be interesting depending on the need we have. With regards to overhead crane, it is inspected every 3 months and the slings are changed every 3 months as well. All crane operators and riggers are certified and the manager of the warehouse is qualified to perform lifting operations certifications of the workers.

Health and Safety management system at the complex is really well implemented with regular inspections of the workplace and fire protection systems up to code, which include a sprinkler system and firefighting equipment (extinguishers and hoses) that is regularly inspected by a third party. For site security, the complex is accessible during the day but gated during night. Access is possible during night when coordinated with the responsible of the warehouse. During night, site surveillance consists of periodical rounds made by a security company combined with an alarm system in case of intrusion. As for the access during normal business hours, a process is set where access is granted only when the responsible (Mr. Girard) is notified of an eventual visit by Andritz Hydro's representative(s) and the visit is logged into a visitor's log.

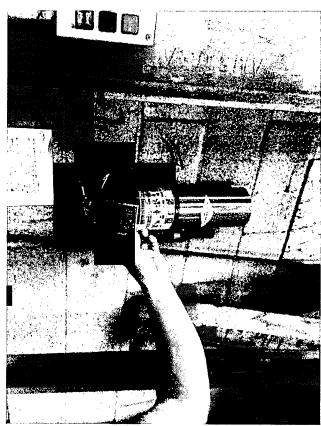
The attached pictures were taken at the time of the visit:

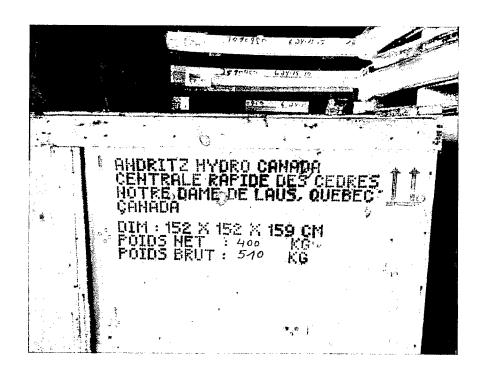














Attachment #7

ANDRIZ Hydro

Muskrat Falls T&G – Logistics Update

12-June-2015

Agenda

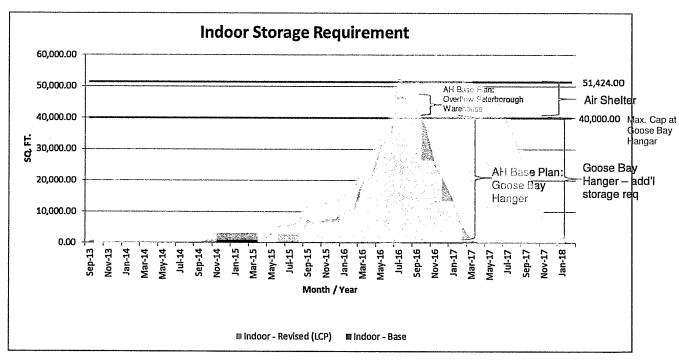
- Safety Moment
- Indoor storage update
- Outdoor storage update
- Delivery of U3 Pit Liner & upcoming delivery of U4 Pit Liner
- Upcoming shipment deliveries in 2015
- Review of 1st China shipment Lessons Learned
- Review of preliminary Transportation Plan of 2nd China Shipment
- Review of MoM



ANDRITZ Hydro

Indoor Storage

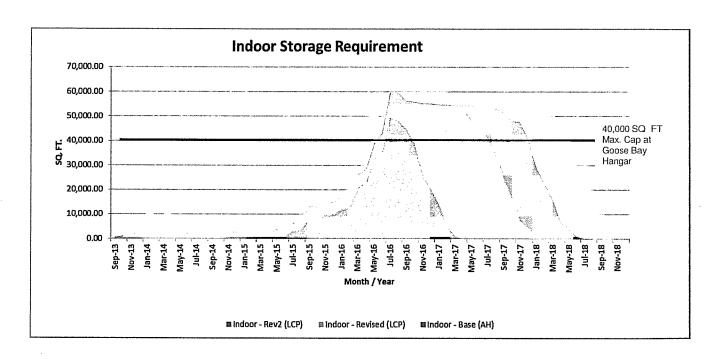
Indoor Storage Andritz Hydro Base Plan vs. Revised Schedule (LCP) – October 2014



Revised schedule based on delayed start dates (approx. 9.5 months/unit)



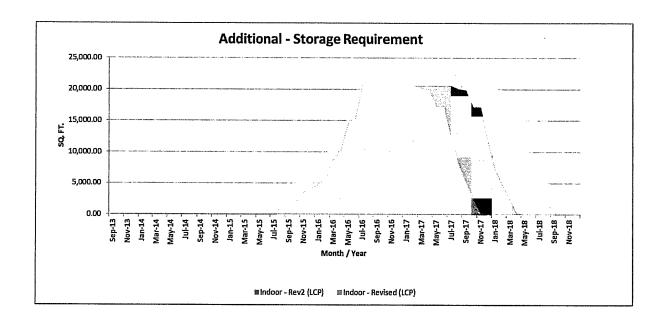
Indoor Storage Andritz Hydro Base Plan vs. Revised Schedule (LCP) – June 2015



Revised schedule based on Additional Delay



Indoor Storage – Overflow beyond 40,000 sq. ft. allowed at Goose Bay Hangar





Indoor Storage - Overflow

Indoor - AH Base Plan - Overflow

| Start Date | Location | Timeline | SQ FT Requirement |
|-----------------|------------------------------------|---|-------------------------------|
| July 2016 Andri | tz Hydro Peterborough Warehouse | 3 Months (July 2016 – September 2016) | Avg. Required: 7,400 SQ FT |

Indoor – LCP Revised (13 Months) – Overflow & Heated Warehouse

| Start Date | Components | Timeline | SQ FT Requirement |
|-------------|---------------------------|---------------------------------------|--|
| August 2015 | All Electrical Components | 34 Months (August 2015 – May 2018) | 402,05 0 Cumulative SQ. FT. M ax: 20,60 0 SQ FT |



Indoor Storage Cost Comparisons - Budgetary

| | | 10-Month Delay | | 13-Month | n Delay | |
|--|---|--------------------------------|------------------------|------------------------------|------------------------|--|
| | Option #1 - Original Pricing (CHR-111-00) | Option #1 - Revised Pricing | Option #2 | Option #1 | Option #2 | |
| | GBH + Air Shelter (Qty 1) | GBH + Air Shelter (Qty 1) | GBH + MTL Warehouse | GBH + Air Shelter (Qty 2) | GBH + MTL Warehouse | |
| Goose Bay Hangar (max. capacity 40,0000 sq. ft.) | \$1,765,403 | \$1,765,403 | \$1,765,403 | \$2,269,403 | \$2,269,403 | |
| Air Shelter (max. capacity 11,424 sq. ft for each shelter) | \$1,255,840 | \$2,058,584 | n/a | \$4,117,168 | n/a | |
| Montreal Warehouse Facility – Heated Storage (Poles, BOP, Punchings, Bars, Rotor connections, Rotating Rings, Thrust Rings, Circuit Rings, Rim Plates) - max. 20,600 sq. ft. | r/a | n/a | \$3,092,873 | n/a | \$3,654,635 | |
| Total | \$3,021,243 | \$3,823,987 | \$4,858,276 | \$6,386,571 | \$5,924,038 | |

Notes:

Monthly charge to LCP for further delay beyond 13 months:

- Goose Bay Hangar: \$168,000/month (40,000 sq. ft.)
- MTL Warehouse (Heated Storage): \$187,254/month (20,600 sq. ft.)
- Air Shelter (Qty 1): \$20,000/month (11,424 sq. ft.)

Note: The above price is only valid for 12 months beyond the 10-month initial delay.



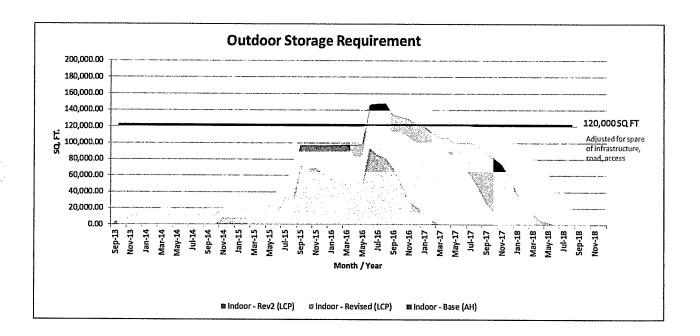
^{1.} Two (2) Air Shelters will be required under Option #2 if the schedule is further delayed beyond 10 months. Extra space will be required.

^{2.} Primary Embedment Parts are not included above and will be charged to LCP via CHR-118.



Outdoor Storage

Outdoor Storage Andritz Hydro Base Plan vs. Revised Schedule (LCP)





Outdoor Storage Andritz Hydro Base Plan vs. Revised Schedule (LCP) – Cont'd

Outdoor Storage Requirement (no Shelter) - Base Plan:

| Net Capacity: | 174,000 SQ FT |
|--|---------------|
| Net Capacity adjusted after access: | 120,000 SQ FT |
| AH Base Plan Requirement: | 95,000 SQ FT |
| Revised Schedule (LCP) Requirement: | 168,800 SQ FT |
| Revised Schedule (LCP) Additional delay Requirement: | 48,800 SQ FT |

Outdoor Storage Requirement w/ 1 Shelter – Option 1:

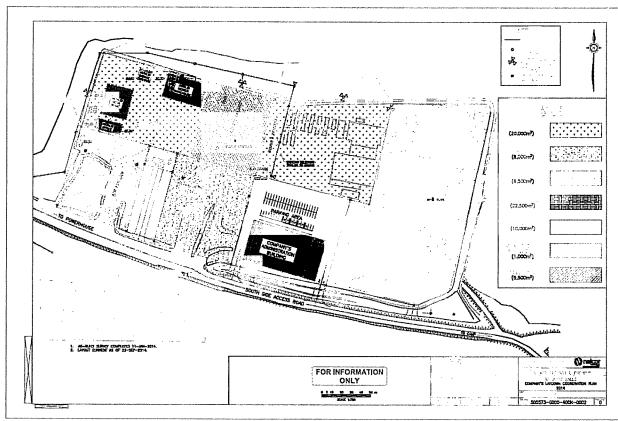
| Net Capacity: | 174,000 SQ FT |
|--|---------------|
| Net Capacity adjusted after access: | 120,000 SQ FT |
| AH Base Plan Requirement: | 95,000 SQ FT |
| Revised Schedule (LCP) Requirement: | 185,000 SQ FT |
| Revised Schedule (LCP) Additional delay Requirement: | 65,000 SQ FT |

Outdoor Storage Requirement w/ 2 Shelters – Option 2:

| Net Capacity: | 174,000 SQ FT |
|--|---------------|
| Net Capacity adjusted after access: | 120,000 SQ FT |
| AH Base Plan Requirement: | 95,000 SQ FT |
| Revised Schedule (LCP) Requirement: | 201,200 SQ FT |
| Revised Schedule (LCP) Additional delay Requirement: | 81,200 SQ FT |



Laydown Storage Plan - Revised (Option 1 w/ one Air Shelter only)



RIZ Hydro

Outdoor Storage – Actions

- LCP to issue an CHR by end June 2015.
- AH to provide a proposal in response to the LCP's CHR including but not limited to the following:
 - 1. Additional 6,000 sq. m. (or 65,000 sq. ft.) required within 5km radius from current AH site laydown area for the 4th Shipment from China (U3 and U4 T&G Components).
 - Additional 16,200 sq. ft. required for a second Air Shelter (TBA) if Option 2 is selected. Both Air Shelters (2) must be installed at the same location.
 - 3. Erection of the Air Shelter(s) must be in the summer (July) of 2015.
 - 4. Additional preservation of outdoor storage components (long-term protection).
 - 5. Removal of long-term preservation before installation.
 - 6. Fencing, jersey barriers, security and inspections.
 - 7. Snow removal (amount of seasons depends on schedule delay).
 - 8. Double handling of the parts if required (dependent on laydown area condition).
 - Tarp replacement and other consumables for potential damage of the packaging during the additional outdoor storage.
- LCP to confirm the availability of the additional outdoor storage area at site (see Items 1 and 2 above).

Items to Remedy in Laydown Area Prior to 2nd China Shipment Delivery

- Laydown Area investigation to determine over-all ground stability, impact of spring thaw conditions and identify areas of concern (AH will conduct an informal investigation and will provide recommendations for LCP's consideration)
- LCP to remove of all non-AH equipment from the AH Laydown Area:
 - Trailers
 - Containers
 - Culverts
 - Hydro Pole
 - Other?
- AH will establish a secure perimeter for protection of AH components from Non-AH traffic circulation:
 - Fencing
 - Jersey Barriers
 - Other?
- AH will establish limited accessibility through entrances to AH Laydown Area for non-essential traffic circulation

Note: Commercial implications will be evaluated separately.





Deliveries of U3 & U4 Pit Liners (June 2015)

U3 & U4 Pit Liner Deliveries to Site

- AH T&G Site Team has not mobilized to Site.
- AH proposed Step #2 via letter AH-MUS-PM-0444 on May 14th, 2015; LCP's response is overdue as of today (deadline: May 27th, 2015).
- Delivery dates:
 - U3: June 4th, 2015 (Actual date)
 - U4: June 11th, 2015 (current plan)

Plan:

- AH will send a Supervisor to site to manage the reception/offloading of Units #3 and #4 Pit Liners.
- Subcontractor (Astaldi) will be used to offload the components at site. The associated costs of labour and equipment (crane, etc.) will be back-charged to LCP.



Impacts of Schedule Delay on AH Extension of Project Time - Costs for AH Staff and Equipment

Cost / Benefit Comparison

| : ૦ <u>૦</u> ૦૦ | er j _{ere} Roje | 14 SQUARE 1 1942 |
|----------------------------------|-----------------------------|------------------|
| Reception of China Shipment #2 | Cost Share? | LCP cost |
| Reception of Cdn\Eupn Components | Cost Share? | LCP cost |
| Reception of China Shipment #3 | Cost Share? | LCP cost |
| Erection of LCP Air Shelter | LCP Cost | LCP cost |
| 90 Day Readiness | Yes | No |

^{*}Cost sharing ratios TBD

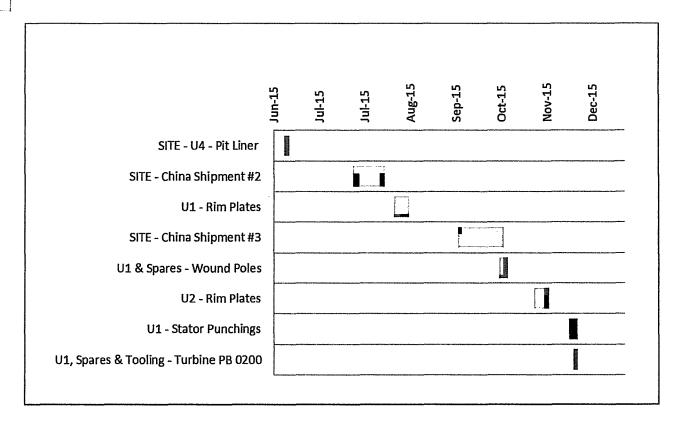
This slide is from the AH's presentation made to LCP on 16-Apr-2015 (Ref. AH-MUS-PM-0218)





Upcoming Shipment Deliveries in 2015

Main Upcoming Shipment Deliveries in 2015



ANDRITZ Hydro



Review of 1st China Shipment Lessons Learned

Lessons Learned - Muskrat Falls - June 2015

Shipments (Focus Canada/China)

Disrupted Normal Flow of Material Has Adverse Impact

Site Access - Delivery Delays

Traffic Closure (MOT) Working with Local MOT Authority Black Rock Bridge - Transport Permit Conditions Nominated Carrier Awen / Robert Gate Time Consuming – All Personnel will Complete Full Site Orientation Clearance/Registration Site Escort Required at all times, including when Greatly Reduced by Carrier equipment empty Completing Site Orientation Shift Change (2x) 05:00 to 07:00 and 17:00 to 19:00 Blackout approximately 1h before and 1h after Finite delivery times: 8:00 to 15:00 = very small window Traffic Control Strictly maintained Road Conditions Inspection 3, 2, 1 Site road conditions Week in Advance Other contactor deliveries can impede

Exceptionally difficult to establish normal delivery flow

Larger components require full road

Greatly extends delivery timetable necessary

closure (ex. Stay Ring)



Add Bulkhead

- See Delivery Plan

Road Restrictions



Review of Preliminary Transportation Plan (2nd China Shipment)

Preliminary Schedule – Base Plan – Revision 2

Vessel Arrival July 23, 2015 (Estimate) Day 1 – 16 (July 20th – August 4th)

Road Closure Required

| Schedule | Planned Date | Amount of Trucks | Component | Action. | Equipment | Location | |
|---------------------------------------|--------------------------------------|------------------------|---|--|---|--|--|
| Day 1-3 | July 20-22 (Monday- Wednesday) | • | | | Equipment sport Equipment ganization at the Goose Bay Port erials Dunnage, Safety Meeting 130 Ton Crane Mus 130 Ton Crane Mus Appendix 2 Goo Layc Goo Port RGN Trailers and Escorts Port RGN Trailers RGN Trailers RGN Trailers RGN Trailers RGO Layc Goo Layc RO Port RGN Trailers and Escorts Port RGN Trailers and Escorts Port RGN Trailers and Escorts RGN Trailers and Escorts RGN Trailers and Escorts Port RGN Trailers and Escorts Port RGN Trailers and Escorts | Goose Bay Port | |
| Day 1-3 (IV) Day 4-7 (S) Day 8 (IV) | July 23-26 | - | - | Setup Crane | 130 Ton Crane | Muskrat Falls Site | |
| Day 4-7 | (Thursday- Sunday) | | - | Vessel Arrival Vessel Discharge and Por Vessel Departure | Goose Bay Port | | |
| 5 | July 27 | 4 | Miscellaneous Indoor Storage Crates | Load at Goose Bay Port Laydown | Flat Bed Trailers | Goose Bay Port Laydown to Goose Bay Hanger | |
| рау в | (Monday) | | Stay Ring U4 | Load at Goose Bay Port Laydown | Goose Bay Port Laydown to Muskrat Falls Site | | |
| Day 9 | July 28 | .2 | Miscellaneous Indoor Storage Crates | Load at Goose Bay Port Laydown | Flat Bed Trailers | Goose Bay Port Laydown to Goose Bay Hanger | |
| | (Tuesday) | 4 | Stay Ring U3 | Load at Goose Bay Port Laydown | | Goose Bay Port Laydown to Musk call alls Site | |
| Day 10 July 29 (Wednesday) | | 4 | Stay Ring U2 | Load at Goose Bay Port Laydown | '' | Goose Bay Port Laydown to Muskrat Falls Site | |

Preliminary Schedule – Base Plan

Vessel Arrival July 23, 2015 (Estimate)
Day 1 – 16 (July 20th – August 4th)

Road Closure Required

| Schedule | Planned Date | ' Amount | | | | Location |
|---------------------------|------------------------|----------|---|-----------------------------------|-----------------------------|--|
| Doutt | July 30 | 2 | Upper DTL with Bulkhead U4 (2 Halves) | Load at Goose Bay Port Laydown | RGN Trailers and Escorts | Goose Bay Port Laydown to Muskrat Falls Site |
| Day 11 | (Thursday) | 2 | Lower DTL U4 (2 Quarters) | Load at Goose Bay Port Laydown | Double Drop Trailers | Goose Bay Port Laydown to Muskrat Falls Site |
| D 10 | July 31 | 2 | Lower DTL U4 (2 Quarter s) | Load at Goose Bay Port Laydown | Double Drop Trailers | Goose Bay Port Laydown to Muskrat Falls Site |
| Day 12 | (Friday) | 2 | Upper DTL with Bulkhead U3 (2 Halves) | Load at Goose Bay Port Laydown | RGN Trailers and Escorts | Goose Bay Port Laydown to Muskrat Falls Site |
| Day 13 | August 1 (Saturday) | 4 | Lower DTL U3 (4 Quarters) | Load at Goose Bay Port Laydown | Double Drop Trailers | Goose Bay Port Laydown to Muskrat Falls Site |
| Day 14 | August 2 (Sunday) | 1 | Draft Tube Liner Extension U2-U4 | Load at Goose Bay Port Laydown | Flat Bed Trailer | Goose Bay Port Laydown to Muskrat Falls Site |
| Day 15 August 3 (Monday) | | 4 | Upper DTL U2 (4 Quarters) | Load at Goose Bay Port Laydown | Double Drop Trailers | Goose Bay Port Laydown to Muskrat Falls Site |
| Day 16 August 4 (Tuesday) | | 4 | Lower DTL U2 (4 Quarters) | Load at Goose Bay Port Laydown | Double Drop Trailers | Goose Bay Port Laydown to Muskrat Falls Site |
| | (.accaty) | · • | - | Dismantle Crane | 130 Ton Crane | Muskrat Falls Site |



Attachment #8

Muskrat Falls T&G - Indoor Storage Tracking for Open Change Requests (as of Oct 31, 2015)

| CHR# | Description | Storage Type | Storage Requirement (sq. ft.) | Planned Storage Duration (month) | Cost per SQ.FT. | Cost \$ | |
|----------------|--|---------------|----------------------------------|--|-----------------|---------|--------|
| CHR-109 | Generation Rejection System Upon Load Disturbances | Indoor Heated | 200.00 | 15.00 | \$ 5.88 | | 640.00 |
| CHR-121 | Additional Equipment Local Control Panels | Indoor Heated | 10.00 | 15.00 | | | 82.00 |
| | | | | | | | 702.00 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| - - | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Total | The state of the s | | | | | \$ 18.5 | 522.00 |

LCP Cost Estimate

| COST | 5.0.7.1M.4.7.7. 0 | | | | | | | | | , | | | į | | |
|--|--|---|------------------|----------------------|--------------|--------------|--------------|---------------------|---|---------------|------------|---|---------------|---------------|----|
| CUSI | ESTIMATE - Capital Cost | | | | | Project No.: | 505573 | | | Date: | 19/Jar | 1/2016 | 1 | | |
| Description: | CHR-122 | | | | | Change # | CHR-122 | | | Prepared By : | P, Lo | may | | | |
| WILL 1972 | Long term Storage Warehouse | 1 | | | | Hev. No.: | R-00 | | | 1 | | | 1 | | |
| | 1900-1900-1900-1900-1900-1900-1900-1900 | *************************************** | | | | UNIT COST | | | | | L COST | | Í | | |
| llem no. | | Quantity | un. | Job Hot Totalfins | n Mer | Material | Eqm L | Total Unit Cost | Labo ur | Material | Eqmt. | TOTAL | | | |
| Description (1) | Description (8) | | | | | | | | | - | | | Tbi, in inin≃ | | |
| <u>Description (1)</u> | Description (2) | | | - | | | | | | - | | | r 1 1 6 | Andritz price | |
| 1 Warehouse Storage fee in Montreal | 433,024 sq.ft. Month from Sept 15 thr J March 2018 | 419,834 | 51 | - | - S | 1.90 \$ | - \$ | 1.90 \$ | - \$ | 797,685 \$ | - \$ | 797,685 \$ | 917,337 \$ | 965,618 \$ | |
| | (Quotation from LITOM Inc, Ville d'Ar jou) | | | | | | | | | | | 7 | | , | |
| Material Handling at Mtl Warehouse | 186 local trucks loads (IN) at \$ 2,00) / each | 186 | un | | - s | - S | 2,000 \$ | 2,000 \$ | - \$ | - 5 | 372,000 \$ | 3 72.000 S | | | |
| I Material Flattaning at 14th Flat alreads | 178 local trucks loads (OUT) at \$ 2,000 / each | 178 | uni | | - \$ | | | | | | | 356,000 \$ | | | |
| | 2 operators x 2 hrs x 364 times = | 1,456 | hrs 1.0 | | 70 \$ | | | | | | | 101,920 \$ | · | | |
| | 2 labors x 2 hrs x 364 times | 1,456 | hrs! 1.0 | | 70 \$ | | | | 101,920 \$ | | | 101,920 -\$ | ŧ | | |
| | 1 Supervision & Logistic x 4 hrs x 250 times | 1,000 | hrs 1.0 | | 125 \$ | | | · | | | | 125,000 \$ | i | | |
| | | | 1.0 | 1,000 | 120 4 | - | 1 | 120 4 | 120,000 0 | | | 1,056,840 \$ | | | |
| | | | | | 1 | <u> </u> | 1 | | · · · · · · · · · · · · · · · · · · · | | | 1,000,010 4 | 1,215,366 \$ | 1,231,320 \$ | 2. |
| Inventory Control & Material Management | One clerk for 31 months @ 40 hrs / n onth = | 1,240 | hrs 1.0 | 00 1,240 | 80 \$ | - \$ | - \$ | 80 S | 99,200 \$ | - \$ | - s | 99,200 5 | | | |
| | One Supervisor for 31 months @ 20 Frs / month = | 620 | hrs: 1.0 | | 125 \$ | 1 | | | | | | 77,500 S | | | |
| | | | | | 1.25 | | | 7,20 0 | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | 176,700 S | 203,205 \$ | 241,760 \$ | 0 |
| | T | | i. i | | | | | | | | | | 4 | | |
| Inspection | Two days per months @ 8 hrs / day x 31 months = | 496 | hrs 1.0 | 00 496 | 125 \$ | - \$ | - \$ | 12 5 \$ | 62,000 \$ | - \$ | - \$ | 62,000 \$ | 71,300 \$ | 76,880 \$ | 0. |
| | | | - | | | | | | | | i i | | | | |
| | | | 1 i | | | | 1 | - | | | | *************************************** | | | |
| | | | | | | | | | | | 5 | | ř | | |
| | | ļ | | | | | | | | | | | | | |
| | | | + - | | - | ļ | | <u> </u> | | ļ | | / | | | |
| | | | + | | | | | | | <u> </u> | | | | | |
| | | | 1-1- | | - | | | | | ļ | | | - \$ | | |
| Double transportation from China components | 8 truck loads from HVGB to Mtl back and forth | 16 | ea | - | - \$ | 9,500 \$ | - \$ | 9,500 \$ | - \$ | 152,000 \$ | - s | 152,000 \$ | 174,800 S | 150,880 \$ | |
| | | | | | - | ļ | | | | ļ | | | | | |
| Triage for the China Components, twice as long th local truck handling up above! | 2 operators x 8 hrs x 8 times = | 128 | hrs" 1.0 | 00 128 | 70 \$ | - \$ | - \$ | 70 \$ | 8,960 \$ | - 5 | - s | 8,960 \$ | | | |
| | 2 labors x 8 hrs x 8 times | 128 | hrs. 1.0 | 00 128 | 70 \$ | - \$ | - \$ | 70 s | 8,960 S | - \$ | - 5 | 8,960 \$ | | | |
| | 1 Supervision & Logistic x 4 hrs x 8 times | 128 | hrs 1.0 | 00 128 | 125 \$ | - \$ | - \$ | 125 \$ | 16,000 \$ | - \$ | - S | 16.000 \$ | | | |
| | | <u> </u> | | | ļ | | | <u> </u> | <u> </u> | <u> </u> | | 33,920 \$ | 39,008 \$ | 53,155 \$ | |
| | | | - | | - | | | | | - | | | | | |
| | | | - - | | | | | | | | | | | | |
| | | | | | | | | | | | | | - s | - \$ | |
| | | | | | | | | | | | | | | | |
| | SUB - TOTA _ | | | - | - | | | ļi | | ļ | | 2,279,145 S | 2,621,016 \$ | 2,719,613 \$ | |
| | | | | + | - | | | - | | | | | | | |
| | Administration & Profit 15% | | + | | | | - | 1 | | | | 341,872 | | | |
| | | | ! (| | | | | † · · · · · · · · · | | ! | | | | | |
| | | | | | | | | | | | | | | | |
| | GRAND TOTAL | 7 | 1 5 | 1 | | | | | | | | 2,621,016 \$ | ł | | |

| | | | | | | 22:30 | | | | | | | | |
|-------------|--|--|--|----------|-----|-----------------------|------|--------------|-----------------|--------------------|---------------------------------------|---------------|---------|------------------|
| | COST E | STIMATE Capital Cost | and a contract of the contract | | | | | Project No.: | 505573 | | | Date: | 19/Ja | n/2016 |
| | Description: | CHR-122 Long term Storaç e Warehouse | | | | | | | CHR-122 R-00 | | | Prepared By : | P. L | emay |
| | | and the state of t | | | 1 | | | INIT COST | | | 34.00 May 4.760 7/740 0.00 | | L COST | |
| Item no. | AND THE RESIDENCE OF THE PROPERTY OF THE PROPE | | Quantity | un. | Un. | Job Hours TotaVhrs | £hr> | Materia! | Eqmt. | Total Unit Cost | Labour | Material | Espert. | TOTAL |
| | <u>Description</u> | Price for Store 1e of Components of future Change request | - | | | | | | | | | | | |
| 2 | Warehouse storage fee in Mtl (incl infrastructure & Security) | 22,695 sq. ft (peak ti ne) x \$ 2.30 / sq. ft | 22,695 | s-f | | - | - \$ | 1.90 \$ | - \$ | 1,90 \$ | - s | 43,121 \$ | - \$ | 43,121 S |
| _ | , | | | П | | | | | | | | | | |
| | Inspection (AH Inspector to verify integrity of parts) | 2 days per month at 125 / hr x 10 hrs / day | 2 | dy | | - | - \$ | 1,250 \$ | - \$ | 1,250 \$ | - \$ | 2,500 \$ | - \$ | 2,500 S |
| | | | <u> </u> | | | | | | | | | | | |
| | Inventory Control and material management | | 1 | ls | | - | - \$ | 10,000 \$ | - \$ | 10,000 \$ | - S | 10,000 \$ | - \$ | 10,000 \$ |
| | Inflation for the above at 4 % | \$ 55,621 x 4 % = \$ 2 225 | 1 | İs | | - | - \$ | 2,225 \$ | - \$ | 2,225 \$ | - \$ | 2,225 \$ | - \$ | 2,225 \$ |
| - | | | | | | | | | | | | | | |
| | | | | \vdash | | | | | | | | | | · |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | H | | | | | | | | | | |
| | | | | | | | | | | | | - | | |
| | | | | | | | | | | | | | | |
| | | | | \vdash | | | | | | | | | | |
| _ | | | 1 | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | ` | | | |
| | | | | | | + | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | sub total | | | | | | | | | | | | 57,846 S |
| | Adm & Profit 15 % | | 22.5 | - | | | | | | | · · · · · · · · · · · · · · · · · · · | | | 8,677 |
| | | | | | | | | | | | | <u> </u> | | |
| | | GRAND TOTAL | | | | | | | | | | | | 6 6,522 S |

| C. COMPLEX | | A STANDARD CONTRACTOR OF THE STANDARD CONTRACTOR | | | | CT CT CT CT CT CT CT CT | | | | | | | | | 2204 1 |
|------------|---|--|-------------|------------------|----------------------------|---------------------------------------|-----|-----------------------|------------|------------|----------------|-------------------|-----------------------|---------------------------------------|----------------|
| i | COST ESTIMATE Capital Cost Description: CHR-122 | | | | | | | Project No.: 505573 | | | | Date: 19/Jan/2016 | | | |
| 1 | | | | | | | | Change # CHR-122 | | | | | Prepared By: P. Lemay | | . Lemay |
| | | Long term Storag : Warehouse | | | a, manuali ma a parte o 7: | _, | | Hev. No.: | R-00 | | | | ob communer control | | (PH) |
| Item | | | Quantity | un. | | leb Hours | | INIT COST Material | Eqmt. | Total Unit | Labo | ur | Material . | L COST Eqmt. | TOTAL |
| na. | | | | ·- | un. To | al/hrs M | | - | pt(141/241 | Co≢i | | | (a) | | ** |
| | Description | Price for Store je of Components of future Change request | | | | | | | | | | | / | | |
| | Warehouse storage fee in Mtl (Incl infrastructure & Security | | | - | | | | | | | | | | | |
| 3 |) | | 1 | ls | | | \$ | 1.90 \$ | - \$ | 1.90 \$ | | - \$ | 1.90 \$ | | S 1.90 |
| | | | <u> </u> | + | | | | | | | | | | | |
| | Inventory control & mat. Management | | 1 | ls | | - - | \$ | 0.42 \$ | - \$ | 0.42 \$ | | - \$ | 0.42 \$ | | \$ 0.42 |
| | | | | Ŧ | | | | | | | - | | | | |
| | Inspection (AH to verify integrity of parts) | | 1 | ls | | | \$ | 0.15 \$ | - \$ | 0.15 \$ | | - \$ | 0.15 \$ | - | 5 0.15 |
| | | | - | 5 1, | | | | | | | | | | | |
| <u> </u> | Material handling (receiving, space optimization & ship.) | \$ 1,056,840 / 419,834 sf = \$ 2.52 | 1 | ls | | | \$ | 2.52 \$ | - \$ | 2,52 \$ | | - \$ | 2.52 \$ | - | \$ 2.52 |
| | | | ļ <u>.</u> | L | | | | | | | | | | | |
| | | | 1 3 | + | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | - | l l | | | | | | | | - | · · · · · · · · · · · · · · · · · · · | |
| | | | | | | | | | | | | | | | |
| | | | | | ļ | | | | <u></u> | | | | - | | - |
| - | | | | | - | | | | | | } | | | , | |
| | | | | 1 | | | | | | | | | | | |
| | | | <u> </u> | | | - | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | 1. | + | | | | | | · | - | | | | |
| | | | | Ė | | | | | | | | | | | |
| | | | - | + | | | | | | ļ | | | 1 | - | |
| _ | | | | | | | | | | · | | | | | |
| | | | - | F | | | | | 1 | | | | - | | - |
| | | | | _ i _ | | | | | | | | | 1 | | - |
| | | sub total | | | | | | | | | | | | | 4.99 |
| | | | 1 | - | | | | | | <u></u> | - | <u> </u> | - | | |
| | | | | 工 | | | | | | | | | | | |
| | | | | - - | | | | | | | - | <u>.</u> | | | - |
| _ | Adm & Profit 15 % | | 1 | 上 | | | | | | | | | | | 0.75 |
| | | GRAND TOTAL | | Ţ | | | | | | | | | 4 / 1 | | 5.74 |
| <u></u> | | GHAND TOTAL | <u></u> | | | | *** | J. | | L | | nsedwin. | | , | 3,74 |

LCP Fayment Schedule versus Andritz Cash Flow CIMFP Exhibit P-02979

Predicted Expenditures

| | | Sq Ft | Rental | Trucking | Increation | CD/Chi | T-4-1 | C C |
|------|-----|--------------|----------|----------|------------|----------|----------|------------|
| | T | | | Trucking | Inspection | GB/China | Total | Cum Expend |
| | Sep | 1147 | 2638.1 | 41044 | 10278.7 | | 53960.8 | 53960.8 |
| 2015 | Oct | 1147 | 2638.1 | 41044 | 10278.7 | | 53960.8 | 107921.6 |
| | Nov | 4525 | 10407.5 | 41044 | 10278.7 | | 61730.2 | 169651.8 |
| | Dec | 4877 | 11217.1 | 41044 | 10278.7 | | 62539.8 | 232191.6 |
| | Jan | 5756 | 13238.8 | 41044 | 10278.7 | 102017.5 | 166579 | 398770.6 |
| | Feb | 7023 | 16152.9 | 41044 | 10278.7 | | 67475.6 | 466246.2 |
| | Mar | 9127 | 20992.1 | 41044 | 10278.7 | | 72314.8 | 538561 |
| | Apr | 10551 | 24267.3 | 41044 | 10278.7 | | 75590 | 614151 |
| | May | 14100 | 32430 | 41044 | 10278.7 | | 83752.7 | 697903.7 |
| 2016 | Jun | 16101 | 37032.3 | 41044 | 10278.7 | | 88355 | 786258.7 |
| 2010 | Jul | 19784 | 45503.2 | 41044 | 10278.7 | 102017.5 | 198843.4 | 985102.1 |
| | Aug | 20396 | 46910.8 | 41044 | 10278.7 | | 98233.5 | 1083335.6 |
| | Sep | 20396 | 46910.8 | 41044 | 10278.7 | | 98233.5 | 1181569.1 |
| | Oct | 21481 | 49406.3 | 41044 | 10278.7 | | 100729 | 1282298.1 |
| | Nov | 22695 | 52198.5 | 41044 | 10278.7 | | 103521.2 | 1385819.3 |
| | Dec | 22695 | 52198.5 | | 10278.7 | | 62477.2 | 1448296.5 |
| | Jan | 22695 | 52198.5 | | 10278.7 | | 62477.2 | 1510773.7 |
| | Feb | 22695 | 52198.5 | | 10278.7 | | 62477.2 | 1573250.9 |
| | Mar | 22695 | 52198.5 | | 10278.7 | | 62477.2 | 1635728.1 |
| | Apr | 22695 | 52198.5 | | 10278.7 | | 62477.2 | 1698205.3 |
| | May | 22695 | 52198.5 | | 10278.7 | | 62477.2 | 1760682.5 |
| 2017 | Jun | 21937 | 50455.1 | 61566 | 10278.7 | | 122299.8 | 1882982.3 |
| 2017 | Jul | 19862 | 45682.6 | 61566 | 10278.7 | | 117527.3 | 2000509.6 |
| | Aug | 19150 | 44045 | 61566 | 10278.7 | | 115889.7 | 2116399.3 |
| | Sep | 16700 | 38410 | 61566 | 10278.7 | | 110254.7 | 2226654 |
| | Oct | 13751 | 31627.3 | 61566 | 10278.7 | | 103472 | 2330126 |
| | Nov | 6920 | 15916 | 61566 | 10278.7 | | 87760.7 | 2417886.7 |
| | Dec | 3900 | 8970 | 61566 | 10278.7 | | 80814.7 | 2498701.4 |
| | Jan | 1566 | 3601.8 | 61566 | 10278.7 | | 75446.5 | 2574147.9 |
| 2018 | Feb | 538 | 1237.4 | 61566 | 10278.7 | | 73082.1 | 2647230 |
| | Mar | 233 | 535.9 | 61566 | 10278.7 | | 72380.6 | 2719610.6 |
| | | 419833 | 965615.9 | 1231320 | 318639.7 | 204035 | 2719611 | |

| LCP | | AH Cash Flow |
|----------|-------------|--------------|
| Payments | Cummulative | Pay-Expend |
| | 0 | (53961) |
| | 0 | (107922) |
| | 0 | (169652) |
| | 0 | (232192) |
| 350000 | 350000 | (48771) |
| 225000 | 575000 | 108754 |
| | 575000 | 36439 |
| | 575000 | (39151) |
| 325000 | 900000 | 202096 |
| | 900000 | 113741 |
| | 900000 | (85102) |
| 325000 | 1225000 | 141664 |
| | 1225000 | 43431 |
| | 1225000 | (57298) |
| 250000 | 1475000 | 89181 |
| | 1475000 | 26704 |
| | 1475000 | (35774) |
| 200000 | 1675000 | 101749 |
| | 1675000 | 39272 |
| | 1675000 | (23205) |
| 250000 | 1925000 | 164318 |
| | 1925000 | 42018 |
| | 1925000 | (75510) |
| 300000 | 2225000 | 108601 |
| | 2225000 | (1654) |
| | 2225000 | (105126) |
| 300000 | 2525000 | 107113 |
| | 2525000 | 26299 |
| | 2525000 | (49148) |
| | 2525000 | (122230) |
| 194611 | 2719611 | 0 |