

**From:** Delarosbil Donald  
**To:** [ScottOBrien@lowerchurchillproject.ca](mailto:ScottOBrien@lowerchurchillproject.ca)  
**Subject:** Disputed Items  
**Date:** Monday, November 20, 2017 1:05:57 PM  
**Attachments:** [Disputed Items Log.xlsx](#)  
[Outlook-1461094094.png](#)

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Scott,

As requested, attached is a copy of the disputed commercial items for your review. As discussed, upon completion of your review you will make us an offer. While I agree that packaging the disputed items is the quickest and easiest way to resolve, I ask that careful consideration be made when assessing value. Please take a few minutes to read my comments included on the spread sheet.

For your consideration during your review process:

There are several items in this package related to getting compensation via BOQ unit rates without considering sequence schedule and design changes.

BOQ rate is valid when work is being completed as part of the work scope at the time of installation. What we are requesting is compensation for installing this work out of sequence or with changes involving additional work.

I have completed a review with my team and have crossed out agreed items and removed some items.

Take care,

Don Delarosbil

Project Manager

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NUMBER	CLASSIFICATION	DATE	LETTER #	DESCRIPTION	PRICING SUBMITTED	PRICING APPROVED	DISPUTED AMOUNT	Don's Comments
1	Escalation	29-Apr-17	<del>LTR-1226,1657,1732,1696,1759,2106</del>	<del>CHR-2088, Woodward's fuel Price Difference Dec. 2016 - June, 2019</del>				This item is a forecast of fuel escalation cost and will be dealt with as an escalation item. Therefore, it is removed from the disputed item list.
2	Concrete	23-May-17	CHR-2090,SQY-0663	CHR-2090, Disputed gallery Rebar Extension	\$ 6,000.00	\$ -	\$ 6,000.00	There was a design deficiency which required us to do re-work.
3	Services	02-May-17 02-Jun-17	1746, 1643, 1682,1816, 1817,1860,1914	CHR-1110 Intake Gallery Confined Space and Rescue Plan	\$ 32,202.46	\$ 23,711.22	\$ 8,491.24	We had an agreement in place. We incurred the costs. Did this work to help Nalcor during Christmas break.
4	Structural	1-May-17	1642, 1662,1743,1846,1910,1921	CHR-1107, ECN-0071 Structural Steel parapet Frame for Powerhouse Entrance	\$ 2,119.96	\$ 1,149.74	\$ 1,524.74	Sub-contractor Engineering work. Not included in Astaldi indirects - Direct cost to Astaldi.
5	Structural	1-May-17	1663,1645,1741,	CHR-1109, ECN-0073 updates to Structural Steel Roof Truss Splice and to Crane Girder Notes	\$ 12,738.67	\$ 8,451.33	\$ 1,524.74	Same as above
6	Structural	2-May-17	1534, 1535, 1536, 1538,1539,1689,1704,1705,1726,1730,1737,1782	CHR-2105 Roof Design	\$ 85,000.00		\$ 85,000.00	Nalcor is responsible for design but was imposed on Astaldi. Astaldi engaged Stantec to do the work. This all happened during Completion Agreement negotiations. Astaldi had no way of knowing these costs.
7	Concrete	2-May-17	<del>1738, 1130, 1050-1042, 1008</del>	<del>CHR-2058 Injection Grouting of Turbine Embedded Parts</del>				Agreed - BOQ Item to be prepared.
8	Services	9-Jan-17	1622,LCP-Email-103315	CHR-2086 Relocate Grouting Plant from CTU Area to C2 Laydown	\$ 20,887.61	\$ -	\$ 20,887.61	We mobilized and demobilized twice. This to allow other contractor to complete their work. This was a Nalcor instruction.
9	Structural	4-Apr-17	1687, 1661,1658, 1656,1731, 1699, 1687,2109	CHR#1093, Rev. 4 ECN-65 Rev.3 Update Powerhouse Roofing, Roof Anchors and Safety restraints/Examples of Company Practices of Discounting Approved Services LTR-1731,1699,1687	\$ 243,000.00	\$ 2,242.00	\$ 240,758.00	This item was still in dispute during the completion agreement negotiations. Astaldi could not forecast this cost in its budget.
10	Structural	18-May-17	LTR-1764, 1806,1853,1858	CHR-1114, ECN-074 Temporary Electrical Supply to Powerhouse Multi-Leaf Main Door	\$ 43,000.00	\$ 31,000.00	\$ 12,000.00	In this case we received hand sketch drawings from Nalcor and we had to complete the engineering work and get it approved by third party.
11	Structural	26-Jun-17	<del>16261636, 1811</del>	<del>CHR-1108, Revision to Electrical Conduits &amp; Embedded Grounding in the Powerhouse GUS Transformer Pads</del>				Agreed - LPC Proposed Price
12	Services	20-Apr-17	<del>FWO-087</del>	<del>FWO-087 Install Barricade North Side of Separation Wall</del>				Agreed - LPC Proposed Price
13	Services	3-Jun-17	LTR-1682,1687,1818,1883,1915	CHR-1112 Provide emergency evacuation and rescue services for CTU area from Feb. 13 - April 21, 2017	\$ 363,800.00	\$ 286,280.00	\$ 77,520.00	We incurred these costs. We agreed to provide this service to help Nalcor.
14	Other	12/06/2017 & Aug 5, 2017	LTR-1870, LTR-1943,1953,1965,1978,1998,2000	CHR-2116 Email from LCP SIN-074 This work was known about before the Completions Agreement was executed and is therefore included as part of the Completions Agreement. no ECN needed - CHR-2116 LTR-1943 Received 03.08.2017 willing to pay Astaldi \$1350.00				Agreed - LPC Proposed Price
15	Concrete	23-May-17	CHR-2091/SQY-668, LCP Email-111067	CHR-2091 Disputed Rebar Changes - Threaded Bar/ Coupler Revision	\$ 12,000.00	\$ -	\$ 12,000.00	The design did not work. Astaldi had manufactured rebar on site then send it out to get them threaded.
16	Structural	2-Jul-17	LTR-1881, SQY-699 Rev. 1, LTR-1849,1885,1892,1903,1917	CHR-2115 Supply & Installation of Structural Support Framework for Sectional Door at SSB & NSB	\$ 43,400.00	\$ -	\$ 43,400.00	The Engineer changed the wind load design on the door but did not strengthen the structural door frame. Scott you remember George explaining this.
17	Concrete	11-Jul-17	LTR-1918,1902,1874,1918,	CHR-2094 Additional Rebar to Intake Midstream Area	9100.00 x 4 = \$36,400.00	2945.28 x 4= \$11,780.00	\$ 24,620.00	Change in means and methods BOQ pay items do not apply.
18	Other	11-Jul-17	LTR-1905,1865,SQY-686	CHR-2100 Fence Relocation in SSB Area	\$ 25,000.00	\$ -	\$ 25,000.00	The wall we constructed was supposed to fit within the fence. Fence had to be re-located to accommodate wall construction.
19	Structural	19-Jul-17	LTR-1846, 1910,1921,2175	CHR-1117 Solution to Stair #10 Sag Rods	\$ 16,000.00	\$ 2,250.00	\$ 13,750.00	Design could not be built. Change to means and methods BOQ Item does not apply.
20	Services	29-Jul-17	<del>LTR-1925, 1801,</del>	<del>CHR-1124 Scaling Lose Rock &amp; Wire Mesh Installation</del>				Agreed - LPC Proposed Price
21	Services	21-Jul-17	<del>CHR#1142</del>	<del>CHR-1142 FWO#96 cancelled and changed to CHR-1142</del>				Agreed - LPC Proposed Price
22	Other	11-Aug-17	LTR-1957,1966,1979	CHR-2121 Supply 100-200mm Clear Crushed Stone at SSB	\$ 5,300.00	\$ -	\$ 5,300.00	There was no specification for rock. We assumed using material available on site to build work. Nalcor then issued a specification which required us to by the material from Goose Bay.
23	Structural	14-Aug-17	LTR-1975,1989,1959,2002,2019	CHR-1118, Stair #2 Additional Steel	\$ 22,000.00	\$ 4,901.87	\$ 17,098.13	Design change BOQ Items do not apply.
24	Services	14-Aug-17	LTR-1850, 1922, 1976,1986	CHR-2118, SIN-076 Bridge Repairs	\$ 87,832.09	\$ -	\$ 87,832.09	This work is not part of our Scope.
25	Other	18-Aug-17	LTR-1990,2030,2036, (email Georges Bader)	CHR-1139, Update of the elevation, configuration and fill material for the septic tank and tile field installation.	\$ 380,000.00	\$ 259,500.00	\$ 120,500.00	Nalcor unilaterally out our estimate. We had an agreement in place prior to starting the work at \$350,000.00
26	Structural	7-Aug-17	LTR-1961, 1956,1973,1992,2047	CHR-2122, Installation of Additional Supports for Multi Leaf Door	\$ 61,700.00	\$ -	\$ 61,700.00	Same as Item #16
27	Other		LTR-1761, 1770,1774,1775,1955,	CHR-2112, Force Majeure Prevention of Work May 20 & 21, 2017	\$ 370,305.69	\$ -	\$ 370,305.69	We could not get our local workforce in day shift or night shift. This cannot be considered a force majeure if it re-occurs for the same reason. We are impacted.
28	Other		LTR-1897, 1911, 1916, 1950	CHR-2141, Radio Communication Outage	\$ 41,758.34	\$ -	\$ 41,758.34	This reflects the cost related to workforce on stand by. No power we cannot operate our cranes and supply our workers.
29	Concrete	5-Sep-17	LTR-2026, 2062,2143	CHR-2104, EOT Request for SIN-064 Water Stop	\$ 271,859.00	\$ -	\$ 271,859.00	E.O.T. costs 4 - Shifts 2 days of partial indirects. Related to a design change issued by site instruction in the field.
30	Structural	18-Sep-17	<del>LTR-2088,2071,1792,1755,1697,1672,SQY-636, CON-812</del>	<del>CHR-2110, 10 Ton Crane (purchase of a second crane)</del>				Agreed

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<del>31</del>	<del>Structural</del>	<del>18-Sep-17</del>	<del>LTR-2088,2071,1792,1755,1697,1672,2111,50Y-626, CON-812</del>	<del>CHR-2162, Second Crane Kone 10T Crane Monthly Maintenance from Oct. 2017 to Oct. 2018</del>				Agreed
32	Other	20-Sep-17	LTR-2093,2074,2130	CHR-2130, Additional Cost of Modification of Duct Bank - Relocation of Pull Pit 3	\$ 100,590.67	\$ 65,793.40	\$ 34,797.27	Company assessment is correct and we adjusted our price from \$122,000 to \$100,590 and re-submitted. Company calculation reflects only 1 BOQ Item for payment where it should reflect two BOQ items.
33	Structural	24-Sep-17	LTR-2176,2124,2058,1991,1977,1974,1963,1663, SIN-0086 Rev.1	CHR-2150, Relocation of Crane Stops Due to Conflict with Fixation Plates	\$ 31,682.93	\$ 9,948.05	\$ 21,734.88	This is a design conflict Nalcor assessed and offered their estimate not actual cost.
<del>34</del>	<del>Structural</del>	<del>24-Sep-17</del>	<del>LTR-2121,2073,2152,2139,2165</del>	<del>CHR-1137, Additional cost of Anti-Lift Clips for Crane Girder Rails</del>				Agreed - LPC Proposed Price
<del>35</del>	<del>Structural</del>	<del>17-Sep-17</del>	<del>LTR-2077,2134,2144,2151,2163,</del>	<del>CHR-2157, Conflict Between Grating and PVC Pipes Drainage Gallery</del>				Removed from list.
36	Structural	11-Oct-17	CON-0971 R1,2056,2086,2098,2157,2181,2170	CHR-2161, Modifications to Line A Girts for Cladding Panels	\$ 96,000.00	\$ -	\$ 96,000.00	Design was inconsistent and we had to modify structural steel to install cladding. This was critical to closure of building by Oct. 30, 2017.
37	Services	14-Oct-17	LTR-2185,2158,1791	CHR-2108, Temporary Power Outage Due to BPLP Incident	\$ 4,565.00	\$ -	\$ 4,565.00	Other contractor hit pole. This was not a schedule power outage.
38	Services	21-Sep-17	SIN-087,LTR-1794, 1821,1830,1866,1904,1949,2007,2037,2063,2082,2107,2110,2178,2186,2194	CHR-2109, Temporary lighting in Powerhouse in lieu of High Bay Lighting	\$ 107,800.00	\$ -	\$ 107,800.00	Eventhough this is not our scope of work we ensured that there was lighting in place to allow companies other contractors to continue working without impact.
40	Concrete	22-Sep-17	LTR-2079,2054,2052,2046,2090,2102,2113	CHR-2164, restricted Area in SSB Gridlines 5 - 7	\$ 280,000.00	\$ -	\$ 280,000.00	Increased travel distance for workers - direct cost lost time.
42	Other	2-Sep-17	Email 15.08.2017, LTR-1983,2025,1997,	CHR-2151, Yellow Beams on the bottom of the stairs at the entrance of the Gallery. Maintenance Gallery - Prevention of Work	\$ 6,341.15		\$ 6,341.15	Access to work area was prevented. Crews had to be reassigned. Cost represents time lost.
							\$ 2,100,067.88	