

ADDENDUM #2

THE FOLLOWING AMENDMENT TO THE BID DOCUMENTS IS EFFECTIVE IMMEDIATELY. THE ADDENDUM SHALL FORM A PART OF THE CONTRACT DOCUMENTS.

The following questions/comments have been received from potential bidders:

- .1 Question: Several of the revised substation plans show new junction boxes but the quantities differ from the riser diagrams. Are we to use the riser diagrams for j-box quantities?
 - .1 Answer: Riser indicates all existing feeders to be spliced. Contractor to confirm on site if multiple feeders can be combined in single junction box.
- .2 Question: Detail 1/E003 Terminal Pole Detail on Dwg E003. We have installed this type of work recently and according to our Project Managers NL Power does not want weatherheads or stand-off brackets on their primary feeds. Could you clarify please if we are to use this detail?
 - .1 Answer: Detail shown on plan as per latest NF Power standards provided to Stantec. Refer to note 1 on 1/E003 and adjust requirements as necessary to suit NF Power.
- .3 Question: Detail 1/E002 Revised Partial Site Plan on Dwg E002. On this detail it says to cut back and cap existing HV service conduits below grade. Do we have to pull the existing HV cable out of the underground ductbank or do we just cut it below grade as well?
 - .1 Answer: Note on 2/E002 indicates: existing 12.47kv feeders to be removed upon completion of project.
- .4 Question: Would it be possible to get the company name of the existing fire alarm system?
 - .1 Answer: Edwards
- .5 Question: Detail 3/E102, item 18; requests New 2 circuit panelboard with 2x 15A,1p breakers , 18kAIC. Detail 3/E102, item 20; requests New 4 circuit panelboard with 4x 15A,1p breakers for new Fire Alarm System, 18kAIC. Notes similar to this occur in detail 3/E104, items 18 and 19.
 - .1 Answer: Aluminum bus with push-on style breakers is acceptable for these locations due to space constraints.

.6 Question: Drawing E103

- .1 Panel N183DA (detail 3, item 4), will be supplied as per Single line drawing, on E607, detail 4, as no panel schedule has been supplied.
- .1 Answer: Add six 15A, 1P breakers in Panel N183DA and reconnect loads as required.
- .2 Panel N201DA (detail 4, item 4), will be supplied as per Single line drawing, on E607, detail 2, as no panel schedule has been supplied.
- .1 Answer: Provide breakers as per riser diagram.
- .3 Panels N183PA (detail 3, item 2), and N201PA (detail 4, item 6), both appear in their revised room layouts as 2 section panelboards. Please confirm requirement for 2 sections, as the circuit breakers required can fit in a single section board.
- .1 Answer: Up to contractor if new board will be 1 or 2 sections.
- .4 Detail 3, item 8; New Combination Starters/Circuit breakers. How closely must manufacturer's adhere to the layout given in Detail 3/E701?
- .1 Answer: Contractor can modify as required as space permits, maintain clearances as per CEC.

.7 Question: Drawing E104

- .1 Panel P183PA (detail 3, item 4), will be supplied as per Single line drawing, on E607, detail 3, as no panel schedule has been supplied.
- .1 Answer: Provide breakers as per riser diagram.
- .2 Panel P203DA (detail 4, item 4), will be supplied as per Single line drawing, on E607, detail 1, as no panel schedule has been supplied.
- .1 Answer: Add one 15A, 1P breaker in Panel P203DA and reconnect load as required.
- .3 Panels P183PA (detail 3, item 4), and P203PA (detail 4, item 3), both appear in their revised room layouts as 2 section panelboards. Please confirm requirement for 2 sections, as the circuit breakers required can fit in a single section panel.
- .1 Answer: Up to contractor if new board will be 1 or 2 sections.
- .4 Detail 3, item 10; New Combination Starters/Circuit breakers. How closely must manufacturer's adhere to the layout given in Detail 2/E701?
- .1 Answer: Contractor can modify as required as space permits, maintain clearances as per CEC.
- .5 Detail 4, item 11; New Combination Starters/Circuit breakers. How closely must manufacturer's adhere to the layout given in Detail 4/E701?
- .1 Answer: Contractor can modify as required as space permits, maintain clearances as per CEC.

.8 Question: Drawing E105

.1 Panel G183DA (detail 3, item 6), will be supplied as per Single line drawing, on E603, detail 2, as no panel schedule has been supplied.

.1 Answer: Add six 15A, 1P breakers in Panel G183DA and reconnect loads as required.

.2 Panels G183PA (detail 3, item 4), appears in their revised room layouts as 2 section panelboards. Please confirm requirement for 2 sections, as the circuit breakers required can fit in a single section board.

.1 Answer: Up to contractor if new board will be 1 or 2 sections.

.9 Question: Drawing E106

.1 Panel J182DA (detail 3, item 6), will be supplied as per Single line drawing, on E606, detail 2, as no panel schedule has been supplied.

.1 Answer: Add six 15A, 1P breakers in Panel J182DA and reconnect loads as required.

.2 Detail 3, item 10; New Combination Starters/Circuit breakers. How closely must manufacturer's adhere to the layout given in Detail 1/E701?

.1 Answer: Contractor can modify as required as space permits, maintain clearances as per CEC.

.3 Panel J122DA (detail 4, item 2), will be supplied as per Single line drawing, on E606, detail 4, as no panel schedule has been supplied.

.1 Answer: Panel J122DA to be complete with 400A main breaker and add six 15A, 1P breakers, reconnect loads as required.

.4 Panels J122DA (detail 4, item 1), appears in their revised room layout as a 2 section panelboard. Please confirm requirement for 2 sections, as the circuit breakers required can fit in a single section board.

.1 Answer: Up to contractor if new board will be 1 or 2 sections.

.10 Question: Drawing E107

.1 Panel J163DA (detail 3, item 9), will be supplied as per Single line drawing, on E606, detail 1, as no panel schedule has been supplied.

.1 Answer: Add six 15A, 1P breakers in Panel J163DA and reconnect loads as required.

.2 Panels J163PA (detail 3, item 7), and L163PA (detail 4, item 11), both appear in their revised room layouts as 2 section panelboards. Please confirm requirement for 2 sections, as the circuit breakers required can fit in a single section board.

.1 Answer: Up to contractor if new board will be 1 or 2 sections.

- .3 Panel L163DA (detail 3, E606) indicates some breakers with 19kAIC, and a couple with 22kAIC. We have supplied 22kAIC. Please confirm requirements
- .1 Answer: Panel L163DA and all associated breakers to be rated for 18KA.

- .11 Question: Drawing E704, Panel Schedule for H71EA

- .1 It is requesting 1 pole spare breakers for 347/600V, at 35kAIC. Unfortunately, the highest interrupting rating we can offer on 1pole breakers is 30kAIC.
- .1 Answer: Delete spare breakers in panel H71EA.

- .12 Question: Can you confirm that this contract will not require the removal or handling of any hazardous materials such as asbestos or lead paint? According to Appendix A – Hazmat Report CFIA, positive results of hazardous materials were detected in this building, but it appears the sample area was limited to the following areas: M19, M21, N20, O19, O21, P20. We have identified in this contract scope areas of work that were not included in this study sample area that may contain hazardous materials, such as routing CAT 6 cable from electrical rooms to data closets. Given similar construction methods and materials of the same age, we anticipate similar results of hazardous materials in the areas not sampled in this study.

- .1 Answer: See addendum No. 1, If not in report and discovered, refer to Spec section 01.10.10.

- .13 Question: It was indicated to us during the site visit on October 11th that we will not be encountering any asbestos in the areas under this contract scope of work. Has there been an asbestos abatement since this study was completed in 2013?

- .1 Answer: See addendum No. 1, If not in report and discovered, refer to Spec section 01.10.10.

- .14 Question: If it is confirmed that encountering hazardous materials will not be in this contract scope of work will it be necessary to complete training such as what is detailed in specification 02 82 00.02 section 1.8.2 for asbestos abatement?

- .1 Answer: No

- .15 Question: Panels G182RA, G18RA, G18PA, G201RA, G182RB – Are these panels new panels? Shown as new on drawings but no schedule.

- .1 Answer: Existing to remain

- .16 Question: Panels J121RA, J141RA, J121RB, J121RC, H111RA – Are these panels new panels? Shown as new on drawings but no schedule.
.1 Answer: Existing to remain.
- .17 Question: E701: What is meant by new circuit breakers? Do they need enclosed circuit breakers? For now I have included for disconnects.
.1 Answer: Circuit breakers or fused disconnects as per plans
- .18 Question: Are any new PFC required?
.1 Answer: No existing to remain, or relocated as per plans.
- .19 Question: What is required for “New 2 circuit panel board w/ 2x 15A 1P breakers 18kAIC (drawing E102)?
.1 Answer: See above Item 5.
- .20 Question: What is required for “New 4 circuit panel board w/ 4x 15A 1P breakers 18kAIC for fire alarm system (drawing E102)?
.1 Answer: See above Item 5.
- .21 Question: What is required for “New 2 circuit panel board w/ 2x 15A 1P breakers 18kAIC for computer room halon exhaust fan (drawing E104)?
.1 Answer: See above Item 5.
- .22 Question: What is required for “New 2 circuit panel board w/ 2x 15A 1P breakers 18kAIC for computer room halon FACP (drawing E104)?
.1 Answer: See above Item 5.

.23 Can you provide HP information for existing motors?

.1 Answer: See below table for HP rating of existing motors;

Pod or Room #	Starter designation	Detail / Drawing E###	Item #	Require Horsepower or kilowatts?
N18	N18-S6	3/E103	16	10 HP
P18	P18 Cooling	3/E104	11	20 HP
P18	P18-E3	3/E104	13	10 HP
P20	P20 Cooling	4/E104	15	15 HP
G18	G18-S1	3/E105	12	10 HP
G18	G18-R1	3/E105	13	3 HP
G18	G18 Cooling	3/E105	15	25 HP
J12	J12 Return Fan	4/E106	10	5 HP
J12	J12 Supply Fan	4/E106	11	7.5 HP
J12	J12 Cooling	4/E106	13	15 HP
J16	J16-R1	3/E107	13	15 HP
J16	J16-E1	3/E107	14	1.5 HP
J16	J16-S1	3/E107	17	15 HP
L16	L16-S1	4/E107	19	15 HP
L16	L16-R1	4/E107	20	15 HP
J14	J14 Compressor	1/E109 for J14	4	50 HP
J14	J14-S1	1/E109 for J14	9	10 HP
N13	N13-E1	3/E109	4	0.5 HP

By submission of its bid, the bidder confirms that it has read and understands the requirements expressed in all addenda and has included all cost of these requirements in its total bid amount.

All other terms and conditions remain unchanged.
