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Joanne Richardson
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BY EMAIL, RESS AND COURIER

June 19, 2020

Ms. Christine E. Long
Board Secretary
Ontario Energy Board
Suite 2700, 2300 Yonge Street
P.O. Box 2319
Toronto, ON M4P 1E4

Dear Ms. Long:

EB-2017-0194-Hydro One Networks Inc.'s Section 92 – East West Tie Station Project – Quarterly Report

On December 20, 2018, Hydro One Networks Inc. ("Hydro One") received approval from Ontario Energy Board (OEB) to construct the EWT Station Project to upgrade existing transmission station facilities in the Districts of Thunder Bay and Algoma. On July 29, 2019, the OEB issued reporting requirements to Hydro One to monitor the progress of Hydro One's EWT Station Project. On October 11, 2019, the OEB sent a letter to Hydro One outlining further reporting requirements.

In accordance with the aforementioned filing requirements, this Quarterly Report captures activities for month-end May 2020.

An electronic copy of the complete Quarterly Report has been filed using the Board's Regulatory Electronic Submission System (RESS).

Sincerely,

Joanne Richardson

Hydro One - East-West Tie Station Project
OEB File Number EB-2017-0194
Quarterly Report
Period Ending May 31, 2020

Introduction

On December 20, 2018, Hydro One Networks Inc. (Hydro One or HONI) received approval from the Ontario Energy Board (OEB) to construct the EWT Station Project. The EWT Station project involves upgrades to Hydro One's Wawa Transmission Station, Marathon Transmission Station, and Lakehead Transmission Station located near the cities of Wawa, Marathon and Thunder Bay and is required to connect a new 230 kV transmission line (EWT Line) being constructed by NextBridge. The combined EWT projects have been identified as a priority in both the Ontario government's 2010 and 2013 Long-Term Energy Plans and the 2016 Order-in-Council.

In order to complete the connections at the three stations, Hydro One needs to modify some station facilities and install required station upgrades. On July 29, 2019, the OEB issued reporting requirements to Hydro One to monitor the progress of Hydro One's EWT Station Project. On October 11, 2019, the OEB sent a letter to Hydro One outlining further reporting requirements. Specifically, the additional reporting requirements requested that Hydro One (a) provide a status update on co-ordination efforts with NextBridge, (b) enhance the level of detail provided in the summary of the Status Upgrades Project progress to date, and (c) make a modification to the Project Cost table. This report addresses all reporting requirements.

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1. Summary of Quarterly Activities

To support efforts to contain the spread of COVID-19, and in accordance with the Declaration of Emergency issued by the Government of Ontario , on March 25th, Hydro One temporarily suspended all construction activities in regards to East West Tie work. Hydro One reviewed and modified its work procedures and with new health and safety protocols in place and in discussion with local safety authorities and the general public, resumed construction activities on April 27th. Hydro One was and continues to be aware of the emotional and financial strain the current pandemic has caused families and businesses across the province. Hydro One believes it has adapted to the COVID-19 crisis to prudently and effectively manage the project such that any consequential cost or schedule delays directly attributable to the COVID-19 work stoppage will be mitigated.

Evidently, as a result of the temporary work stoppage, less construction activities have been completed this quarterly reporting period than were originally contemplated in the last report. Nonetheless, as evident through the continued work activities, Hydro One is making every effort to maintain the current schedule looking for efficiency gains and other methods of making up lost time, under the new work measures. Currently the schedule has been reviewed with all lines of businesses including the local health and safety groups. Hydro One can confirm that the Project is currently on time and on budget.

Despite unanticipated COVID-19 slowdowns, there are significant milestones to report this period. The PCT buildings at Lakehead TS and Marathon TS are completely built with a majority of the protection racks and station service equipment installed. Installation of DC distribution equipment and battery racks will be installed shortly at both stations. Construction of the PCT building at Wawa TS was temporarily suspended as Hydro One was waiting for pre-cast walls from a supplier in Michigan that could not deliver the pre-cast walls due to border closures that were a consequence of the pandemic. That delay has since been remedied and the precast walls have now been received but the PCT building completion date will consequently slip from Q2 of 2020 to Q3 of 2020. Even with this delay, the schedule was realigned so that the ultimate in-service date will not be affected as the Construction schedule allows 2-3 months to have equipment installed in the building and time permitted to commission the equipment.

Station connection and readiness timelines are still on track. All stations are already prepared to accept and be able to connect tower cables, in line with NextBridge's schedule. The Staging Plan is continuously being reviewed with the coordination efforts of NextBridge, outlining various lines and station activities in conjunction with planned outage requirements. The Staging Plan is continuously being discussed with NextBridge to ensure that Hydro One's station schedules are aligned with NextBridge's line schedules, allowing all three stations and lines to be able to go into service at the same time. To date, Hydro One has not been informed of any significant delays to the NextBridge EWT schedule and thus continues to work towards connecting the line as planned.

1. Summary of Quarterly Activities - continued

Overall costs for the Project are forecast to be on budget. Incremental costs associated with COVID-19 temporary work suspension have not been estimated and may not be known until construction is complete. Currently, where possible, Hydro One plans to identify and track costs attributable to COVID. The overall risk profile of the Project has increased due to the affects that the COVID-19 pandemic may have on maintaining scheduled outages and potentially how it may affect the overall execution of the project. However, appropriate mitigation measures have been established to enable the safe execution of work for workers and the public when on-site as well as afterhours as it pertains to travel, lodging, etc. In totality, the risks of the Project are being continuously monitored and assessed to determine if the staging plan, budget and schedule will be affected and if the existing unutilized contingency will need to be modified. The schedule is also continuously monitored and some construction activities are being accelerated in an effort to mitigate risks even further. The Project schedule at this point remains unchanged and Hydro One remains on target for Project completion.

A. Lakehead TS - Construction Activities

i. Summary of Activities from last Reporting Period to Next Reporting Period

- **Work completed between Mar 01, 2020 – May 31, 2020**

  - **Civil Construction**
    - Excavation/grading/backfill/stoning
      - Brought 230 yard to Rough Grade
      - Excavated areas 16 & 17 and installing rock anchors
    - Footings/Piers & Foundations
      - Poured Oil Water Separator tank foundation/formed interior wall
      - Completed a Bus Support Foundation
    - Cable trench & road crossings
      - installed 290m of cable trench
      - Completed 16 raised cable pan support footings
      - Installed 4 cast-in-place road crossings
  - **Electrical Construction**
    - Grid grounding
      - Installed Grid Grounding between Bays 9 & the new PCT building
    - Structures
      - Installed 2 more switch structures
    - Switches – breaker/ground/line
      - Installed more breakers throughout the yard
      - Installation of flexible connections between switches and breakers
      - Installed, grounded, and installed drive pipes for various switches
  - **Equipment**
    - CVT's – install/wire
      - Installed various CVT's
  - **Buildings**
    - New PCT building
      - Completed assembly of main ("A") protection racks
      - Continued wiring of alternate ("B") protection racks
      - Grounded all equipment in new relay B building
    - Existing Control building –work performed
      - 230 Building Modifications 65 % complete, Ceiling Tile Removal 70 % Complete

A. Lakehead TS - Construction Activities - continued

i. Summary of Activities from last Reporting Period to Next Reporting Period

- **Anticipated work to be completed between Jun - Aug 2020**
  - **Civil Construction**
    - Footings/Piers & Foundations
      - Complete O.W.S and Spill Pit
      - Complete 14 Bus Support Structure Foundations
      - Complete 1 Bus Disconnection Switch Structure Foundation
      - Complete 1 Lighting Spike Foundation
    - Cable trench & road crossings
      - Complete 400 m of Cable Trench
  - **Electrical Construction**
    - Structures
      - Install 8 structures for bus support
    - Bus – rigid/strain
      - Install various rigid bus
    - Switches – breaker/ground/line
      - Install various Line disconnect switches
  - **Equipment**
    - CVT's – install/wire
      - Install various CVT's
  - **Buildings**
    - New PCT building
      - Complete all work in 230kv Control Building
    - Existing Control building – work to be performed
      - Complete asbestos ceiling tile removals in existing Control building
      - Install DC station service
      - Wiring protection racks

ii. Life-to-Date Status of Major Items

Lakehead TS

Approvals	Rec'd	% Comp
ECA drainage	Yes	100

Civil / Electrical Installation	Project Total	Unit of Measure	Installed	% Comp
Civil / Electrical Installation - On Track				
Foundations	2	ea	0	0.0%
Footings - Piers	223	ea	**155**	**69.5%**
Cable Trench	1500	m	**1110**	**74.0%**
Grounding Grid	3330	m	**900**	**27.0%**
Structures	101	ea	**50**	**49.5%**
Rigid bus	390	m	65	16.7%
Strain bus	2210	m	706	31.9%

Equipment Installation	Project Total	Unit of Measure	Rec'd/ Built	Installed	Wired	Comm'd	% Comp
Equipment Installation - On Track							
Breakers	8	ea	**8**	4	0	0	**20.0%**
Reactors/Cap Banks	2	ea	**1**	0	0	0	**5.0%**
Switches - Line, Disc & Grnd	20	ea	**20**	**10**	0	0	**20.0%**
CVT (Current Voltage Transformer)	25	ea	25	**9**	0	0	**17.2%**
AC Station Service	4	ea	**4**	2	0	0	**20.0%**
DC Station Service	2	ea	**2**	0	0	0	**10.0%**
Protection racks (IED modules)	116	ea	**58**	0	0	0	**5.0%**
Control equipment	13	ea	**3**	0	0	0	**2.3%**
Telecom/Teleprotion racks (IED modules)	71	ea	**2**	0	0	0	**0.3%**

Definition of terms used:

Rec'd/Built - *represents either inventory delivered and sitting at site/warehouse or racks built for building*

Installed - *represents equipment being installed on a structure, foundation, floor or in a rack*

Wired - *represents having all wiring and terminations completed to the equipment*

Comm'd - *represents 'Commissioned' being able to function as designed, for it's intended purpose*

% Compl - *represents % complete weighting: 10% for rec;d, 20% for Installed, 30% for wired, 40% for commissioned*

Building Installation	Project Total	Unit of Measure	Found'n	Walls /Roof	Mech/ Elect	Comm'd	% Comp
Building Installation - On Track							
PCT (Protection/Control/Telecom) Building	1	%	100.0%	100.0%	100.0%	100.0%	100.0%

Definition of terms used:

Found'n - *represents the concrete foundation slab*

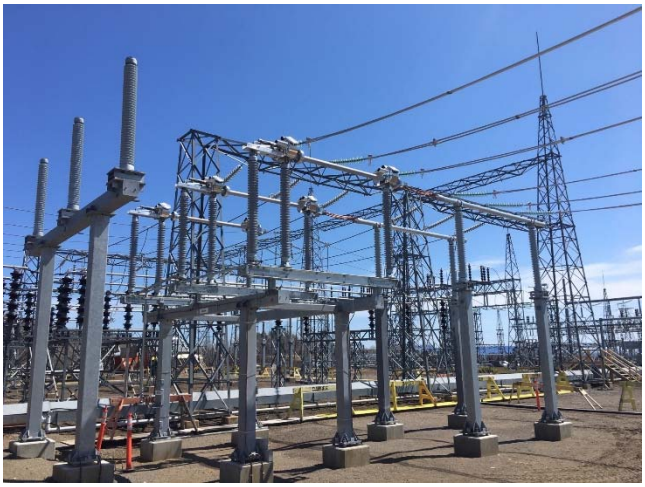
Walls/Roof - *represents the pre-cast walls and roof being erected*

Mech/Elect - *represents having all HVAC, fire alarm, lighting and distribution panels completed in building*

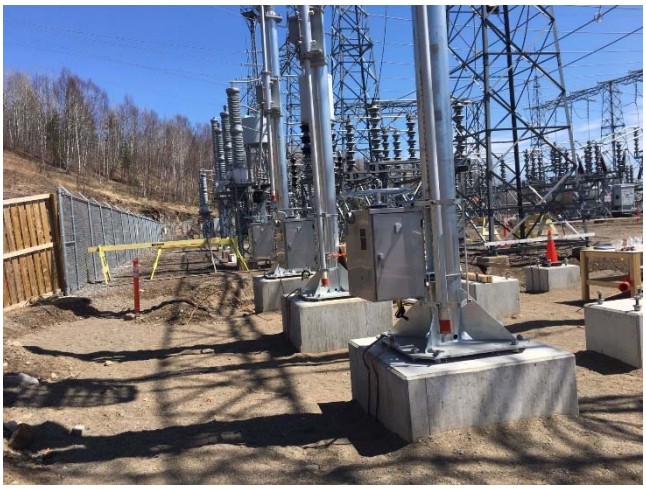
Comm'd - *represents 'Commissioned' being substantially complete as designed, for it's intended purpose*

% Compl - *represents % complete weighting: 20% for foundations, 40% for Walls/Roof, 30% for Mech/Elect, 10% for commissioned*

iii. Progress Photos – Civil & Electrical



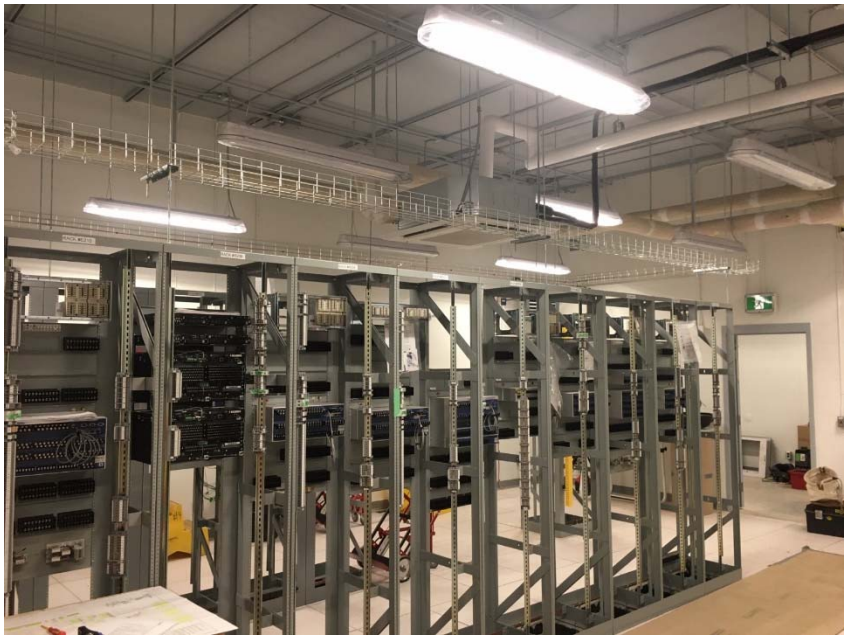
Lakehead - Bay 9 & 10 new lattice steel structures and towers



Lakehead - Bay 9 and 10 new bus support structures/switch structure

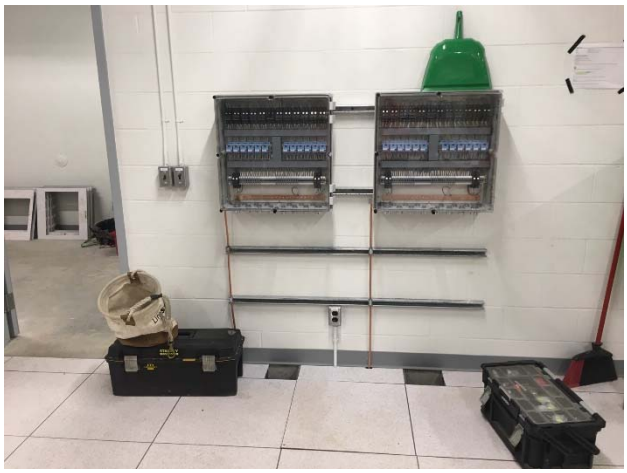
Lakehead - Side view of Bay 9 and 10 with new cable trench

iv. Progress Photos – Equipment & Building



Lakehead – New PCT building protection racks installation

Lakehead - New PCT building terminal racks



Lakehead - New PCT building DC monitoring cabinets

B. Marathon TS - Construction Activities

i. Summary of Activities from last Reporting Period to Next Reporting Period

- **Work Completed between Mar 01, 2020 – May 31, 2020**

  - **Civil Construction**
    - Footings/Piers & Foundations
      - 28 piers throughout the yard
      - 4 circuit breakers foundations
      - Installed various station service transformer foundations
      - Completed various Tower structures
      - Installed various Buss Supports
      - Installed various Circuit Breakers in the yard
    - Cable trench & road crossings
      - Various cable trench installed
  - **Electrical Construction**
    - Structures - install
      - Rigid Bus supports in Bay V to mid-portion of yard
    - Bus – rigid/strain
      - A bus strain bus
      - H bus strain bus
      - 118m of rigid bus
    - Switches – breaker/ground/line
      - Installed various circuit breaker isolation switches
  - **Equipment**
    - Breakers – install/wire
      - Installed various circuit breakers
    - CVT's – install/wire
      - Installed various CVT's
  - **Buildings**
    - New PCT building
      - Installed main ("A") and alternate ("B") battery banks and chargers
      - Install and ground all relay racks in new 230 KV building
      - Wire mesh fiber optic basket
      - Install 6 terminal racks in new building
      - Installed main ("A") and alternate ("B") DCM cabinets

B. Marathon TS - Construction Activities - continued

i. Summary of Activities from last Reporting Period to Next Reporting Period

- **Anticipated work to be completed between Jun - Aug 2020**

  - **Civil Construction**
    - Footings/Piers & Foundations
      - Complete various pier footings throughout the yard
      - Complete grade beams on various existing switches
    - Cable trench & road crossings
      - Complete Cable tray in various areas
  - **Electrical Construction**
    - Grid grounding
      - Complete grounding in Bays V,VI,VII,VIII to mid portion of yard
    - Structures - install
      - Install remaining lattice steel (12 pieces-girders and towers)
      - Rigid bus supports installed in Bays VI,VII,VIII to mid of yard
    - Bus – rigid/strain
      - Install various strain bus
      - Install Jitney bus bays V-VI and Jitney bus bays VII-VIII
    - Switches – breaker/ground/line
      - Install various circuit breaker switches
      - Install various line switches and ground switches
  - **Equipment**
    - Breakers – install/wire
      - Install various circuit breakers
    - Station Service/ATS – install/wire
      - Install SS outdoor load centers, transformers, disconnects
  - **Buildings**
    - New PCT building
      - 50% of the new PCT building cables pulled and terminated
      - Overhead cable tray in switchgear rooms installed
      - Wire/Install main (“A”), and alternate (”B”) DC switch gear, panels
      - Wire/Install main (“A”), and alternate (”B”) battery chargers and ATS’s

ii. Life-to-Date Status of Major Items

Marathon TS

Approvals	Rec'd	% Comp
EA approvals	Yes	100.0%
ECA drainage	Yes	100.0%

Civil / Electrical Installation	Project Total	Unit of Measure	Installed	% Comp
Civil / Electrical Installation - On Track				
Foundations	3	ea	0	0.0%
Footings - Piers	376	ea	**204**	**54.3%**
Cable Trench	1663	m	**660**	**39.7%**
Grounding Grid	4220	m	**2500**	**59.2%**
Structures	97	ea	**51**	**52.6%**
Rigid bus	1247	m	**118**	**9.5%**
Strain bus	3090	m	1548	50.1%

Equipment Installation	Project Total	Unit of Measure	Rec'd/ Built	Installed	Wired	Comm'd	% Comp
Equipment Installation - On Track							
Breakers	12	ea	**8**	2	0	0	**10.0%**
Reactors	2	ea	0	0	0	0	0.0%
Switches - Line, Disc & Grnd	36	ea	**36**	**5**	0	0	**12.8%**
CVT (Current Voltage Transformer)	24	ea	24	**6**	0	0	**15.0%**
AC Station Service	2	ea	0	0	0	0	0.0%
DC Station Service	2	ea	0	0	0	0	0.0%
Protection racks (IED's)	132	ea	132	**132**	0	0	**30.0%**
Control equipment	15	ea	**5**	0	0	0	**3.3%**
Telecom/Teleprotion racks (IED's)	83	ea	80	**5**	0	0	**10.8%**

Definition of terms used:

Rec'd/Built - *represents either inventory delivered and sitting at site/warehouse or racks built for building*

Installed - *represents equipment being installed on a structure, foundation, floor or in a rack*

Wired - *represents having all wiring and terminations completed to the equipment*

Comm'd - *represents 'Commissioned' being able to function as designed, for it's intended purpose*

% Compl - *represents % complete weighting: 10% for rec;d, 20% for Installed, 30% for wired, 40% for commissioned*

Building Installation	Project Total	Unit of Measure	Found'n	Walls /Roof	Mech/ Elect	Comm'd	% Comp
Building Installation - On Track							
PCT (Protection/Control/Telecom) Building	1	%	100.0%	100.0%	100.0%	100.0%	100.0%

Definition of terms used:

Found'n - *represents the concrete foundation slab*

Walls/Roof - *represents the pre-cast walls and roof being erected*

Mech/Elect - *represents having all HVAC, fire alarm, lighting and distribution panels completed in building*

Comm'd - *represents 'Commissioned' being substantially complete as designed, for it's intended purpose*

% Compl - *represents % complete weighting: 20% for foundations, 40% for Walls/Roof, 30% for Mech/Elect, 10% for commissioned*

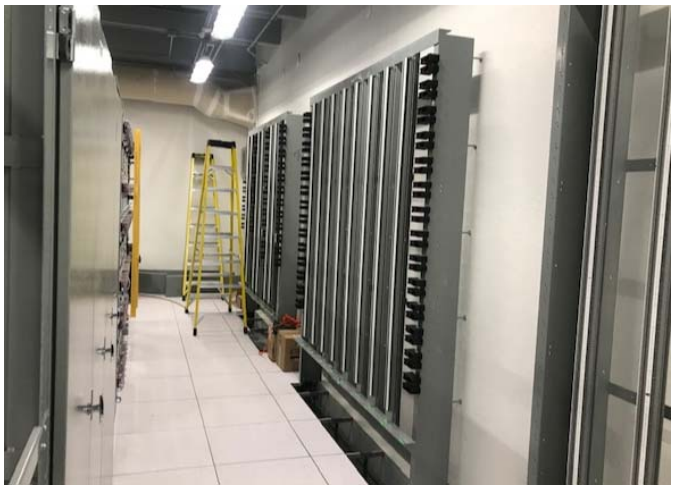
iii. Progress Photos – Civil & Electrical

Marathon – CB10-L, CB11-L switches looking West

Marathon - A,H bus CVT's looking North

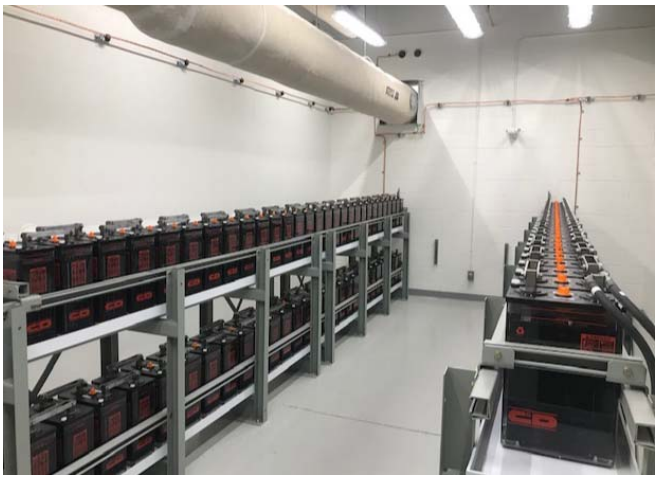
Marathon - Grounding in Bay VIII looking North

iv. Progress Photos – Equipment & Building



Marathon – 'A' room terminal racks installed in PCT building

Marathon – 'A' room relay racks installed in PCT building



Marathon – 'B' battery racks in PCT

C. Wawa TS - Construction Activities

i. Summary of Activities from last Reporting Period to Next Reporting Period

- **Work Completed between Mar 01, 2020 – May 31, 2020**

    - **Civil Construction**
        - Cable trench & road crossings
            - Footings in on the South side A trench
    - **Electrical Construction**
        - Grid grounding
            - Installed 150m
        - Structures - install
            - Installed 5 structures in Bay 4
        - Bus – rigid/strain
            - Installed 125m of rigid bus
        - Switches – breaker/ground/line
            - Installed various switches installed
    - **Equipment**
        - Breakers – install/wire
            - installed a circuit breaker
    - **Buildings**
        - New PCT building
            - 9 more racks built at rack shop
            - Walls and roof complete
            - Started to install HVAC units

C. Wawa TS - Construction Activities - continued

i. Summary of Activities from last Reporting Period to Next Reporting Period

- **Anticipated work to be completed between Jun - Aug 2020**

  - **Civil Construction**
    - Excavation/grading/backfill/stoning
      - Install drainage pipe going into new PCT building
    - Footings/Piers & Foundations
      - Install various station service transformer footings
    - Cable trench & road crossings
      - Complete the six Road Crossings in yard
      - Install four Road crossings going to new PCT building
  - **Electrical Construction**
    - Structures - install
      - Installed Bay 1 Bus support and switches
    - Bus – rigid/strain
      - Install remaining rigid bus in Bay 3 and bus in Bay 1
      - Install A bus extension strain bus and connections between switches, breakers and rigid bus
      - Install strain bus drops from upper to lower bus in Bay 4
    - Switches – breaker/ground/line
      - Ground and set all switches that are installed with connections
      - Various breaker & line disconnects and ground interrupter switches
  - **Equipment**
    - Breakers – install/wire
      - Grounded and made connections to various circuit breaker switch mechanisms
    - CVT's – install/wire
      - Install and ground various CVT fuse boxes
      - Install various CVT's
    - Station Service/ATS – install/wire
      - ATS will be installed on breakers
  - **Buildings**
    - New PCT building
      - Complete build of remaining protection racks for building
      - Continue with building HVAC and electrical distribution installation

ii. Life-to-Date Status of Major Items

Wawa TS

Approvals	Rec'd	% Comp
EA approvals	Yes	100.0%

Civil / Electrical Installation	Project Total	Unit of Measure	Installed	% Comp
Civil / Electrical Installation - On Track				
Foundations	n/a	n/a	n/a	n/a
Footings - Piers	163	ea	163	100.0%
Cable Trench	962	m	**755**	**78.5%**
Grounding Grid	2320	m	**850**	**36.6%**
Structures	88	ea	**80**	**90.9%**
Rigid bus	384	m	**300**	**78.1%**
Strain bus	1310	m	1000	76.3%
Lines intermediate structures	3	ea	0	0.0%

Equipment Installation	Project Total	Unit of Measure	Rec'd/ Built	Installed	Wired	Comm'd	% Comp
Equipment Installation - On Track							
Breakers	6	ea	**6**	**5**	0	0	**26.7%**
Reactors/Cap Banks	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Switches - Line, Disc & Grnd	19	ea	**19**	**15**	0	0	**25.8%**
CVT (Current Voltage Transformer)	15	ea	15	12	0	0	26.0%
AC Station Service	2	ea	2	0	0	0	10.0%
DC Station Service	2	ea	0	0	0	0	0.0%
Protection racks	64	ea	**57**	0	0	0	**8.9%**
Control equipment	15	ea	**5**	0	0	0	**0.7%**
Telecom/Teleprotion racks	64	ea	**57**	0	0	0	**8.9%**

Definition of terms used:

Rec'd/Built - *represents either inventory delivered and sitting at site/warehouse or racks built for bulidng*

Installed - *represents equipment being installed on a structure, foundation, floor or in a rack*

Wired - *represents having all wiring and terminations completed to the equipment*

Comm'd - *represents 'Commissioned' being able to function as designed, for it's intended purpose*

% Compl - *represents % complete weighting: 10% for rec;d, 20% for Installed, 30% for wired, 40% for commissioned*

Building Installation	Project Total	Unit of Measure	Found'n	Walls /Roof	Mech/ Elect	Comm'd	% Comp
Building Installation - On Track							
PCT (Protection/Control/Telecom) Building	1	%	100.0%	**100.0%**	**5.0%**	0.0%	**61.5%**

Definition of terms used:

Found'n - *represents the concrete foundation slab*

Walls/Roof - *represents the pre-cast walls and roof being erected*

Mech/Elect - *represents having all HVAC, fire alarm, lighting and distribution panels completed in building*

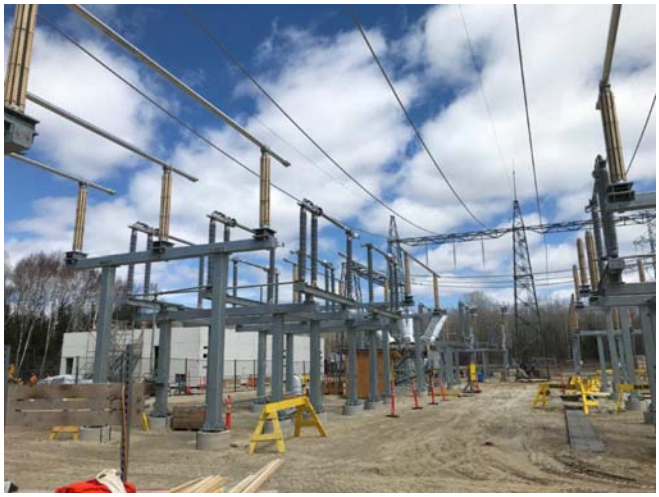
Comm'd - *represents 'Commissioned' being substantially complete as designed, for it's intended purpose*

% Compl - *represents % complete weighting: 20% for foundations, 40% for Walls/Roof, 30% for Mech/Elect, 10% for commissioned*

iii. Progress Photos – Civil & Electrical

Wawa – Bay 3 & 4 bus support structures

Wawa – Bay 3 & 4 bus support structures



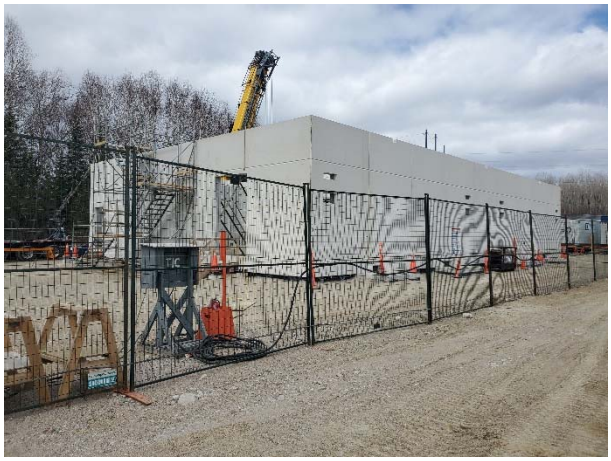
Wawa – Bay 3 & 4 bus & switch support structures

Wawa – Bay 3 & 4 bus & switch support structures

iv. Progress Photos – Equipment & Building

Wawa – Bay 4 tower C-E bus and rigid bus

Wawa – Bay 4 to Bay 3 strain and rigid bus



Wawa - New yard expansion – new 230kV PCT building

2. Co-ordination efforts with Upper Canada Transmission Inc., operating as NextBridge Infrastructure, LP (NextBridge)

A. Station Connection:
    i. Hydro One and NextBridge project teams are continuing to hold monthly meetings (conference calls) to discuss the project status, schedules and milestones, as well as engineering, construction and outage issues related to connection of the NextBridge lines to Hydro One stations.

    ii. Hydro One and NextBridge are continuing to develop a Construction Cost Recovery Agreement which describes the tasks and milestones/schedules for completing the connection of the NextBridge lines to Hydro One stations.

B. Transmission Line Crossings and NextBridge Temporary Land Use:
    i. Temporary use of Hydro One Access Roads – NB have confirmed that they will not be requiring additional temporary workspace on station lands beyond what they already hold for the access roads. All work will be completed within the boundaries of their forthcoming easements.

C. Occupancy of Hydro One Property
    i. The Easement for the EWT line on Bill 58 lands are in the process of being closed and registered, while the remaining reference plans on Hydro One station properties are being finalized.

D. Staging Plan
    i. The Staging Plan, which outlines various lines/station activities along with planned outage requirements, is continuously being updated through coordination efforts with NextBridge. Hydro One has not been informed by NB of any need to modify the current staging plan and thus has continued to work towards the intended ISD. The latest Staging plan allows for the in-servicing of all three stations and lines, at the same time.

3. Project Schedule Update:

Station Related Work Lakehead TS	Baseline Forecast	Current Forecast	Status
Drainage Environmental Compliance Approval (ECA) received	*1-Apr-19*	*1-Apr-19*	Complete
Station Readiness (infrastructure) and connection from towers into station	*19-Apr-21*	*15-Jul-20*	On Track - advanced
Station ready for In-Service	*29-May-21*	*29-May-21*	On Track

Station Related Work Marathon TS	Baseline Forecast	Current Forecast	Status
Re-submission of ECA permit application	*1-Nov-18*	*1-Nov-18*	Complete
NextBridge EWT IEA approval obtained	*1-Mar-19*	*1-Mar-19*	Complete
Drainage ECA received	*1-Oct-19*	*1-Oct-19*	Complete
HONI EA approval	*15-Oct-19*	*15-Oct-19*	Complete
Tree cutting commencement	*15-Oct-19*	*15-Oct-19*	Complete
Station Readiness (infrastructure) and connection from towers into station	*19-Apr-21*	*19-Apr-21*	On Track
Station ready for In-Service	*14-Jun-21*	*14-Jun-21*	On Track

Station Related Work Wawa TS	Baseline Forecast	Current Forecast	Status
Direction from MECP to Hydro One regarding Screening Level EA and Part II Order Request	*8-Nov-18*	*8-Nov-18*	Complete
NextBridge EWT IEA approval obtained	*1-Mar-19*	*1-Mar-19*	Complete
HONI EA approval	*30-Sep-19*	*30-Sep-19*	Complete
Tree cutting commencement (no permits required)	*1-Oct-19*	*1-Oct-19*	Complete
Station readiness	*7-Dec-20*	*7-Dec-20*	On Track
Connection from towers into station	*19-Apr-21*	*19-Apr-21*	On Track
Station ready for In-Service	*28-Oct-21*	*28-Oct-21*	On Track

Nextbridge Related Interface Work	Baseline Forecast	Current Forecast	Status
Connection structures ready outside Lakehead TS	*30-Mar-20*	*30-Mar-20*	Complete
Connection structures ready outside Marathon TS	*19-Apr-21*	*19-Apr-21*	On Track
Connection structures ready outside Wawa TS	*31-Aug-21*	*31-Aug-21*	On Track
Conductor/OPGW/OHGW complete to structure outside Lakehead TS	*15-Jul-20*	*15-Jul-20*	On Track
Conductor/OPGW/OHGW complete to structure outside Marathon TS	*15-Jun-21*	*15-Jun-21*	On Track
Conductor/OPGW/OHGW complete to structure outside Wawa TS	*31-Oct-21*	*17-Oct-21*	On Track - advanced
Lines/Grounding Spec deliverables for Lakehead TS	*19-Oct-20*	*19-Oct-20*	On Track
Lines/Grounding Spec deliverables for Marathon TS	*19-Oct-20*	*19-Oct-20*	On Track
Lines/Grounding Spec deliverables for Wawa TS	*19-Feb-21*	*19-Feb-21*	On Track

Project Schedule has not changed since the last report

4. Project Cost Update – As per previous agreed upon Format

Hydro One-Stations Upgrades Project Reporting Costs Table											
COST CATEGORIES FOR HYDRO ONE'S STATION UPGRADES PROJECT REPORTING		ACTUALS SPENT		ORIGINAL BUDGET	FORECAST BUDGET VARIANCE						
		A SPENT THIS REPORTING PERIOD $	**B** TOTAL SPENT TO DATE $	**C** BUDGET PER LTC APPLICATION $ 000S	**D** FORECAST BUDGET CHANGE FROM LAST REPORT $	**E** FORECAST BUDGET CHANGE FROM LAST REPORT %	**F** REVISED TOTAL BUDGET	**G=F-B** BUDGET REMAINING $	**H=G/F*100** BUDGET REMAINING %	REASONS FOR CHANGE
1	**Materials**	13,488,626	47,912,387	51,337,000	0	0.00%	48,006,000	93,613	0.20%	no change
2	**Labour**	3,144,088	26,496,914	56,895,000	0	0.00%	56,150,000	29,653,086	52.81%	no change
3	**Equipment Rental and Contractor Costs**	1,304,993	8,749,835	8,920,000	0	0.00%	12,534,000	3,784,165	30.19%	no change
4	**Sundry**	55,983	1,702,543	1,305,000	0	0.00%	1,767,000	64,457	3.65%	no change
5	**Contingencies**	0	0	19,227,000	0	0.00%	19,227,000	19,227,000	100.00%	no change
6	**Overhead**	1,802,569	9,425,310	13,367,000	0	0.00%	13,367,000	3,941,690	29.49%	no change
7	**Allowance for Funds During Construction**	858,461	3,445,922	6,264,000	0	0.00%	6,264,000	2,818,078	44.99%	no change
8	**Other Costs**									
TOTAL CONSTRUCTION COSTS		**20,654,720**	**97,732,913**	**157,315,000**	**0**	**0%**	**157,315,000**	**59,582,087**	**37.87%**	

5. Risk Management Update:

Risk Description	Likelihood of Risk Occurring (High, Medium, Low)	Description of Impact of the Risk on the Project	Impact of the Risk on the Project	Mitigation of Risk and/or Impact
Delays in obtaining required EA approvals for Wawa TS	**No risk - complete**	Project delays/ cost overrun	High	Complete – approval granted
Delays in construction of 230kV Control building due to EA approval delay	**No risk - complete**	Project delays/ cost overrun	High	Complete – approval granted
Delays in obtaining required EA approvals for Marathon TS	**No risk - complete**	No impact	No impact	Complete – approval granted
Delays in obtaining funding for engineering and long-lead material	**No risk - complete**	No impact	No impact	Complete – funding received
Outage availability considerations due to COVID-19 pandemic disruption	**Meduim**	Project delays/ cost overrun	High	Coordinate and bundle outage requirements. Delays could cause activities to slide affecting both schedule and possibly cost.
Material delivery delay considerations	**Low**	Delay in procurement/delivery	Low	Monitor material status reports and contact vendor on a periodic basis. Delays could cause activities to slide affecting both schedule and possibly cost.
Soil conditions do not match samples in soil report	**No risk - complete**	No impact	No impact	Complete - risks have been mitigated using alternative construction measures.
NextBridge dead-end structure not designed to Hydro One standards	**Low**	Project delays/ cost overrun	Medium	Communication with NextBridge and monitoring of design. By not meeting HONI standards could cause re-design and delays to project schedule.
Commissioning resource availability due to compressed schedule	**Low**	Project delays/ cost overrun	Medium	Commissioning looking at efficiency gains for pre-commissioning racks. Assessing whether construction/commissioning activities can occur in tandem in an efficient manner
Cost & Schedule impacts due to COVID-19 pandemic disruption.	**Meduim**	Project delays/ cost overrun	High	Looking for efficiency gains in work methods. Monitor affect of working with new social distancing measures and make adjustments as required.