

RESPONSE TO DIRECTIVE #13 - BOARD ORDER 73/15

For the Quarter Ended September 30, 2015

13. *Manitoba Hydro shall file detailed quarterly reports for all Major New Generation and Transmission projects, including the ones currently under development. These reports are to outline the proposed budget (at time of contract), budget changes and reasons for such changes, and the revised projected in-service costs. Where capital costs have increased materially, Manitoba Hydro is to explain how such increases will impact domestic revenue requirements and projected impacts on Manitoba Hydro's financial forecasts and targets.*

Response:

Background

As part of its 2015/16 & 2016/17 General Rate Application, Manitoba Hydro provided updates on the status and cost projections of its Major New Generation & Transmission projects in Tab 4 of the Application based on 2014 Capital Expenditure Forecast (CEF14). In addition, as part of the Planning & Operations Witness Panel, the project managers for Keeyask and Bipole III made presentations and responded to questions regarding the progress, risks and current cost estimates for these projects.

In Order 73/15, the Public Utilities Board of Manitoba ("PUB") outlined its concern about possible cost escalation associated with Major New Generation & Transmission projects and the potential impact that cost increases could have on domestic rates.

In order to obtain timely and transparent information on Manitoba Hydro's capital projects for rate-setting purposes, the PUB directed Manitoba Hydro in Order 73/15, to file quarterly updates on its major capital projects. These reports were to include:

- Project budgets;
- Budget changes and reasons for changes;
- Revised project in-service costs; and,
- Where there were material increases in capital costs, explain how the increases would impact Manitoba Hydro's domestic revenue requirements and financial forecasts.

1 **Updates to Major New Generation & Transmission Capital Projects CEF15**

2
3 The following figure summarizes the change in total project costs for the Major New
4 Generation & Transmission Projects between CEF14 and CEF15, as well as the reason
5 for the revisions. The table also provides the actual project costs and status for each
6 project to September 30, 2015. Appendices I, II, III, provide additional information on
7 the budgets and current status for the Bipole III, Keeyask, and Pointe du Bois Spillway
8 Replacement projects, respectively. The proposed CEF15 was filed with the PUB as part
9 of Manitoba Hydro's Supplemental Filing on November 18, 2015, and was approved by
10 the Manitoba Hydro-Electric Board on December 2, 2015.

11
12 A summary of the forecast costs for each Major New Generation & Transmission
13 projects can be found on pages 9-16 of CEF15.

**Figure 1. Change in Total Project Costs for Major New Generation & Transmission Projects in CEF 15
September 2015 Quarterly Report
(in millions of dollars)**

	Total Project CEF15	Total Project CEF14	Change in Total Project vs CEF14	Reasons for Revision	Actual to Date	Project Status
Wuskwatim - Generation	1,448.6	1,448.6	-	No Change.	1,412.0	The Wuskwatim Generating Station continues in full operation with all three turbine-generator units commissioned and in service. Work at the site consisted of residual site decommissioning and restoration activities including removal of the last of the temporary construction facilities and re-vegetation of various work areas. Work also continued on final resolution of minor plant deficiencies and related project close-out items.
Keeyask - Generation	6,496.1	6,496.1	-	Refer to Keeyask Quarterly Report Update	1,969.6	Refer to Keeyask Quarterly Report Update
Grand Rapids Hatchery Upgrade & Expansion	23.5	23.5	-	No Change.	1.1	Preliminary engineering has been completed. A request for proposals for detailed design is expected to be publicly tendered in October 2015.
Conawapa - Generation	404.7	397.0	7.7	The increase of \$7.7 million reflects an increase in capitalized interest to align with the revised timing of the review of the project business case and anticipated additional First Nation costs.	349.5	MH is finalizing work on Conawapa related to the project development agreement negotiations, engineering and the environmental impact statement. While the work is expected to be completed within the approved budget, progress on the wind-down work has been slower than planned due to resource constraints and longer than anticipated time to negotiate Aboriginal Traditional Knowledge (ATK) Agreements. All work is expected to be completed by December 31, 2016.
Kelsey Improvements & Upgrades	338.8	340.4	(1.5)	The project decrease of \$1.5 million reflects the refinement of the project schedule and construction estimates as well as some contingency was released due to risks not materializing. This coupled with a change in interest and escalation created the small reduction in the approved amount.	314.8	The project is on schedule and budget. Construction to rectify deficiencies on the units is scheduled to begin this fall.

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	Total Project CEF15	Total Project CEF14	Change in Total Project vs CEF14	Reasons for Revision	Actual to Date	Project Status
Kettle Improvements & Upgrades	190.9	191.6	(0.6)	The project decrease of \$.6 million reflects the refinement of the project schedule and construction estimates. This coupled with a change in interest and escalation created the small reduction in the approved amount.	70.8	The project is on schedule and budget. Construction on Kettle Unit 3 is scheduled to begin this fall.
Pointe du Bois Spillway Replacement	594.8	574.8	20.0	Refer to Pointe du Bois Spillway Quarterly Report Update	558.4	Refer to Pointe du Bois Spillway Quarterly Report Update
Pointe du Bois - Transmission	118.1	114.3	3.8	The project increase of \$3.8 million reflects an increase in civil construction costs resulting from higher contractor pricing on transformer deluge system and fence replacement, as well as increased labour costs on the Stafford Station rebuild, offset by decreased station design, distribution engineering and construction and haulage services costs. The in-service date was deferred 27 months to March 2020.	77.5	The Slave Falls Switchyard Protection Upgrades and Transcona Station Transformer Banks 1 & 2 Salvage projects are underway and remain on schedule.
Gillam Redevelopment and Expansion Program (GREP)	266.5	266.5	-	No change.	16.7	The Gillam Redevelopment and Expansion Program (GREP) is underway. Work is progressing with Fox Lake Cree Nation on direct negotiated contracts involving new housing, fencing, roofing and landscaping in Gillam.
Bipole III - Transmission Line	1,655.4	1,655.4	-	Refer to Bipole III Quarterly Report Update Summary	340.7	Refer to Bipole III Quarterly Report Update Summary
Bipole III - Converter Stations	2,675.1	2,675.1	-	Refer to Bipole III Quarterly Report Update Summary	763.7	Refer to Bipole III Quarterly Report Update Summary
Bipole III - Collector Lines	260.2	260.2	-	Refer to Bipole III Quarterly Report Update Summary	83.4	Refer to Bipole III Quarterly Report Update Summary
Bipole III - Community Development Initiative	62.0	62.0	-	Refer to Bipole III Quarterly Report Update Summary	56.0	Refer to Bipole III Quarterly Report Update Summary

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	Total Project CEF15	Total Project CEF14	Change in Total Project vs CEF14	Reasons for Revision	Actual to Date	Project Status
Riel 230/500kV Station	319.9	329.9	(10.0)	The project decrease of \$10.0 million reflects a reduction in the estimate for unused contingency and lower capitalized interest. The in-service date was deferred by 7 months to May, 2015	317.5	The project was placed fully in-service in May 2015. There are \$2.8 million of expenditures planned for 2015/16, to address outstanding contract work and project deficiencies.
Manitoba-Minnesota Transmission Project	353.6	350.3	3.3	The project increase of \$3.3 million reflects a refinement of estimates for licensing and environmental approvals as a result of the availability of more detail regarding the scope of environmental and licensing requirements.	13.2	The final preferred route along with the Environmental Impact Statement was submitted to regulators in September 2015. Project planning is ongoing and some preliminary design activities are underway.
Manitoba-Saskatchewan Transmission Project	57.0	-	57.0	The project was approved in September 2015 to construct a 44 km 230 kV transmission line between Birtle South and the Manitoba-Saskatchewan border. This transmission project will allow for a twenty year 100 MW system power sale which will provide Manitoba Hydro with a fixed revenue stream from 2020 to 2040 and the potential to extend the sale beyond the twenty years. There is also the potential for additional surplus sales in the off peak. In addition to the sale, the new interconnection to Saskatchewan will also expand and diversify Manitoba Hydro's market access and customer base.	-	A system impact study is scheduled to begin.
Sub-Total	15,265.2	15,185.7	79.7		6,344.9	

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1 As outlined in the table above, the total increase in Major New Generation and
2 Transmission projects for CEF15 is approximately \$79.7 million. Of the \$79.7 million
3 increase, \$57.0 million is related to the Manitoba-Saskatchewan Transmission Project to
4 facilitate the 20-year 100 MW system power sale to SaskPower. The remaining portion of
5 the increase is primarily related to the \$20.0 million increase in the Pointe du Bois
6 Spillway Replacement project as a result of a schedule delay and cost revisions as noted
7 in the table above.

8
9 Considering that the expenditures on the Manitoba-Saskatchewan Transmission Project
10 are justified by the 20-year 100 MW sale to SaskPower, the remaining \$22.7 million
11 increase in Major New Generation and Transmission projects in CEF15 will not have a
12 significant impact on Manitoba Hydro's financial forecasts, Electric revenue requirement,
13 and domestic rates.

14
15 As outlined in the 2016/17 Supplemental Filing on page 50, Electric Major and Base
16 Capital expenditures did not change compared to CEF14.

17
18 As actual financial results for December 31, 2015 will be not be available until the end of
19 January 2016, Manitoba Hydro intends to provide the third quarterly report pursuant to
20 this directive in February 2016, to cover the period October to December 2015.

21
22 Bipole III, Keeyask and Pointe du Bois Spillway Project Reports

23 Given the size and importance of these projects, Manitoba Hydro is providing additional
24 information on the current status of its largest active Major New Generation and
25 Transmission Projects, namely Bipole III, Keeyask, and the Pointe du Bois Spillway
26 Replacement projects, in Appendices I, II and III respectively.

27
28 Manitoba Hydro is filing both public and confidential versions of these reports, due to the
29 commercially sensitive nature of the information contained in the confidential reports.
30 The contingency amounts contained within the control budget in Appendices I, II and III
31 are highly confidential. This information is commercially sensitive, and Manitoba Hydro
32 is concerned that public disclosure would harm Manitoba Hydro's ability to manage and
33 execute the work according to the commercial terms agreed to by contract.

34
35 Manitoba Hydro's contingency budget is applied to the construction contracts in a
36 manner that reflects the risks and probable occurrence of those risks. Should the risks
37 materialize, the contingency is available to cover any additional costs; however, should

1 the risks not materialize, the contingency would not be spent and the funds would be
2 available for other potential risk events in subsequent stages of the project.

3
4 It is imperative that the contingency amounts remain confidential. If the contingency
5 amounts were publicly disclosed, there is significant potential that it could negatively
6 affect the outcome of the contract execution, and would certainly affect future
7 negotiations. As such, Manitoba Hydro has filed detailed information related to the
8 allocation of contingency amounts in confidence with the PUB.

Manitoba Hydro Update on Major Projects to the Public Utilities Board

Bipole III Project Update Q2 Update ending September 30, 2015



EXECUTIVE SUMMARY

Project Description

Once completed in 2018, Bipole III will strengthen reliability of Manitoba's electricity supply by reducing dependency on existing high voltage direct current transmission lines and the Dorsey Converter Station. These facilities are relied upon to deliver over 70 per cent of the electricity produced in the province.

The project includes:

- A 1,384-kilometre, 500,000-volt direct current transmission line;
- The Keewatinohk Converter Station in northern Manitoba, northeast of Gillam;
- The Riel Converter Station, east of Winnipeg;
- 230 kV collector lines (5)
- Two ground electrodes at each of the new converter stations.

On August 27, 2014 the Manitoba Hydro Electric Board approved a revised Bipole III project budget of \$4.65 billion based on an in-service date of July 2018. This is an increase of \$1.37 billion from the original Bipole III Project estimate and an extension from the original in-service date of October 2017. The schedule extension is due in part to later than planned receipt of Licence and subsequent delays in permitting.

Background

The Bipole III Project Environment Act Licence was issued August 14, 2013 and construction has commenced with a planned in-service date of July 2018.

Keewatinohk Converter Station

The Keewatinohk Converter Station is to be located northeast of Gillam. Additionally, five new 230 KV ac transmission lines are required to link the Keewatinohk Converter Station to the existing Henday Converter Station and the Long Spruce Switching Station. Each of those facilities require some modifications for these new "collector lines". Construction has started on Keewatinohk Converter Station civil works.

The Keewatinohk Construction Power Station and line went into service July 2014. A 600 person camp and associated infrastructure was constructed at the Keewatinohk Converter Station site to house the required construction workforce for the converter station. The Grand Opening of the Keewatinohk Lodge was held on September 16, 2015.

Riel Converter Station

The Riel Converter Station, is southeast of Winnipeg, and will be constructed at the same site of the Riel Sectionalization Project.

Due to the heavy reliance on one transmission corridor and a single converter station in the south (Dorsey), Manitoba Hydro's electricity system is vulnerable to extensive power outages from severe weather (major ice storm, extreme wind event, tornado), fires, or other events. The Riel Converter Station will establish a second converter station in southern Manitoba, to provide another major point of power injection into the transmission and distribution system. Construction has started on Riel Converter Station civil works.

Transmission Line Construction

The Keewatinohk Converter Station and the Riel Converter Station will be linked by a new +/- 500 kV HVdc transmission line, approximately 1,384 km in length, centered on a 66m wide right-of-way which will follow a westerly route, which is to the west of lakes Winnipegosis and Manitoba. This new transmission line has been routed, as far as practical, sufficiently far from the existing Bipoles I and II lines so as to significantly decrease the probability that a single catastrophic weather event or natural disaster would damage both the new transmission line and Bipoles I and II.

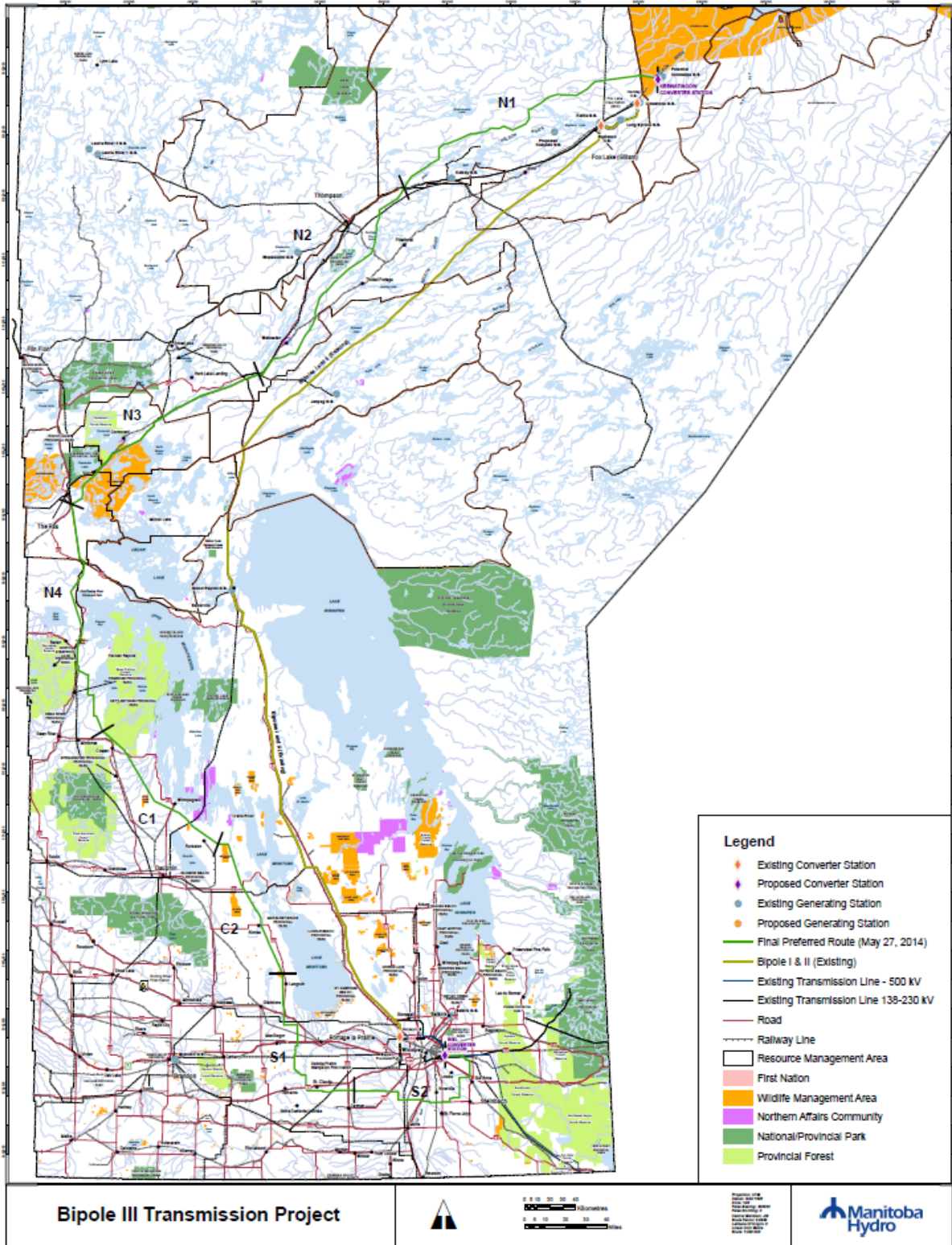
Clearing contracts for the 500 kV Transmission Line are largely direct negotiated with local first nation communities and to date nearly 100% of clearing contracts have been awarded and approximately 85% of the line has been cleared. Approximately 18% of all tower site foundations for the line have been installed to date.

The southern portion of the 500 kV HVDC transmission line route was finalized on May 27, 2014. Approximately 80% of the private property required for the line has been secured and 99% of Crown Lands required are secured.

The procurement process for the construction of the 500 KV HVDC transmission line has been initiated; contractors have been pre-qualified to submit proposals for construction of one or more portions of the transmission line, with the work has been broken into four work packages. Transmission line construction is anticipated to begin in the late fall of 2015.

Below please find a map of the transmission line segments.

Map of the Bipole III Project



PROJECT UPDATE

Riel:

- Manitoba Hydro's contractor, MD Steele, continued the 230 kV expansion works including construction of electrical conduit installation and gridline grounding.
- Work continued on the removal of insulating stone from the DC Yard.

Keewatinohk:

- The Grand Opening of Keewatinohk Lodge occurred on September 16 and was attended by representatives of Manitoba Hydro, Fox Lake Cree Nation and supporting contractors.
- PCL Construction was awarded the contract for the supply, construction and installation of the auxiliary and process buildings.
- In July of 2015 a contract was awarded to City Mix Inc. for the supply and operation of a concrete batch plant at the Keewatinohk Converter Station. Installation of the concrete plant continued through September and batch plant calibration commenced.
- Siemens/Mortenson (Contractor for the HVDC converters facilities) conducted geotechnical investigations to support pile installation schedule for late Fall 2015.

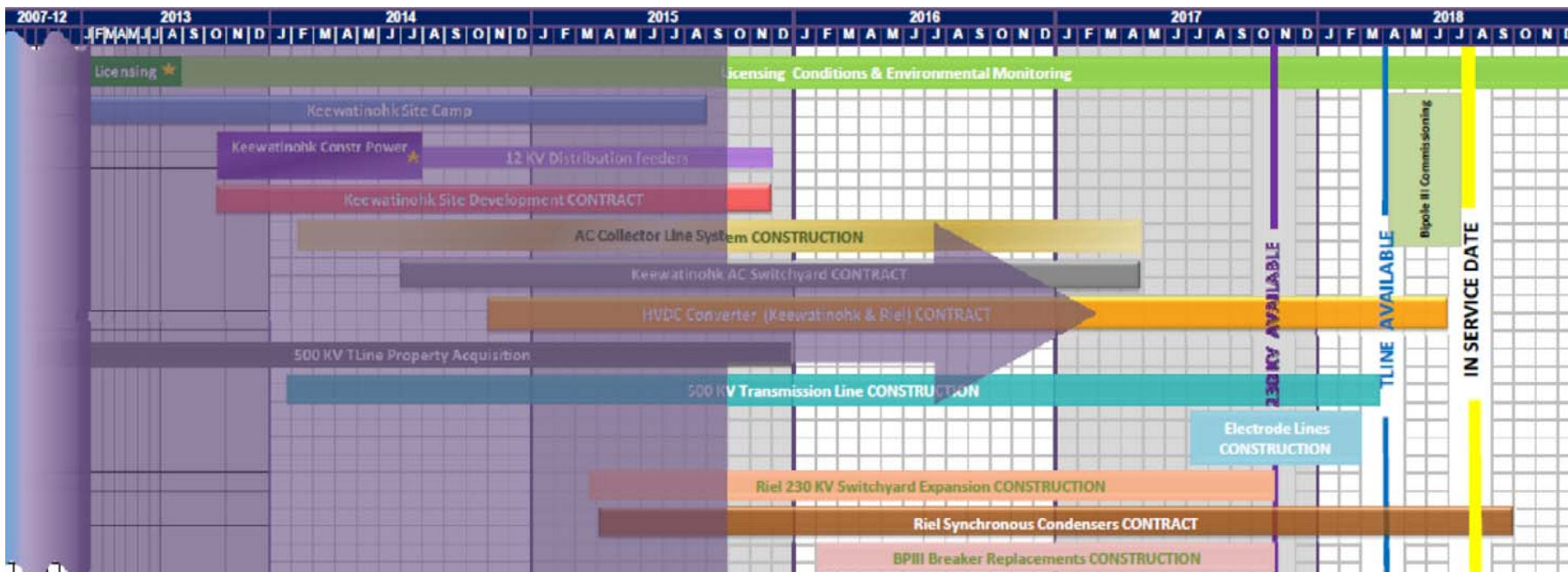
Transmission Line:

- A route change near the Assiniboine River crossing in S1 was approved by Manitoba Conservation on September 22nd.
- Approval was received on September 24th for the award of a contract to Forbes Bros. Ltd for construction of the 500kV HVDC transmission line in the N2, N3, S1, and S2 segments, illustrated in the map above.
- The Request for Proposals (RFPs) have closed for the Installation of standard anchors and foundation contracts for the N4, C1 & C2 segments of the line as well as for specialty anchors and foundations for the N1 segment; evaluation is underway.
- Tower assembly training is winding down for this year with 206 participants having completed the training thus far in 9 different communities along the line; one more session is being planned with Opaskwayak Cree Nation for mid October.

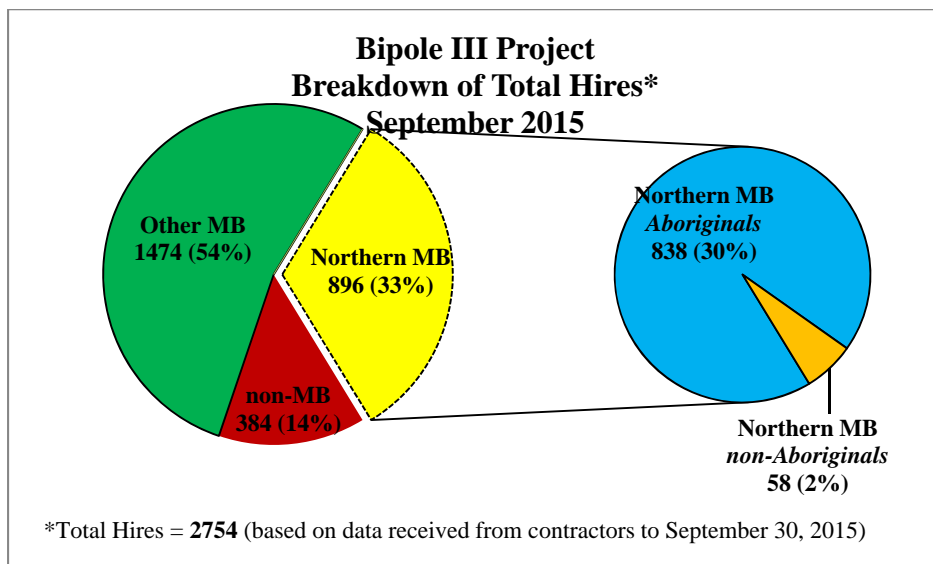
Collector Lines:

- The first shipment of 100 sets of towers was shipped on September 21st with the remaining towers to be shipped in the first week of October.

Project Schedule Overview – September 30, 2015



Construction Schedule	
HVDC Converter Stations	On Target
500 kV HVDC Line	On Target
230 kV Collector Lines	On Target

Total Hires – as of September 30, 2015

- Since September 2012, there have been a total of 2,754 hires for the Bipole III project. Of the total hires, 87% are Manitobans, including 33% northern Manitobans; and 49% are declared aboriginal persons.

FINANCIAL SUMMARY

- Construction is progressing to be on budget of \$4.65 billion.
- Expenditures to the end of September 30, 2015 were \$1.24 billion or 27% of the control budget.

Table A - Bipole III Control Budget Summary (in Billions \$)			
Item #	Item	Control Budget (2014\$)	Actuals to Sept. 30, 2015
1.1	Transmission Line	1.191	0.303
1.2	Converter Stations	2.138	0.711
1.3	Collector Lines	0.198	0.078
1.4	Community Development Initiative	0.062	0.056
1.5	Escalation @ CPI	0.148	0.000
1.6	Interest (Capitalized)	0.568	0.096
1.7	Contingency	0.248	0.000
1.8	Management Reserve	0.100	0.000
1.9	Total	4.653	1.244

RECENT PHOTOS

Photo 1: Keewatinohk Lodge Grand Opening ribbon cutting – September 16, 2015



Photo 2: Keewatinohk Lodge



Photo 3: Keewatinohk Lodge



Photo 4: Keewatinohk Converter Station – Concrete pour



Photo 5: Keewatinohk Converter Station - Leveling backfill material



Photo 6: Keewatinohk Converter Station – Installation of concrete batch plant



Photo 7: Riel Converter Station – Building footprint



Photo 8: Riel Converter Station – Removal of insulating stone in the DC yard



Photo 9: Aerial picture of Riel site



Manitoba Hydro Update on Major Projects to the Public Utilities Board

Keeyask Project Update Q2 Update ending September 30, 2015



EXECUTIVE SUMMARY

Project Description

- The Keeyask Generating Station is a 7 unit, 695-megawatt hydroelectric generating station under construction at Gull Rapids on the lower Nelson River in northern Manitoba, Canada.
- Control budget and schedule is \$6.5 billion with a first unit in service date of November 2019. Construction of the generating station is on schedule and on budget.
- The Keeyask Project includes construction of the generating station as well as construction of supporting infrastructure. Most of the infrastructure was constructed in advance of the generating station under the Keeyask Infrastructure Project (KIP). The Keeyask Project is a collaborative effort between Manitoba Hydro and four Manitoba First Nations, working together as the Keeyask Hydropower Limited Partnership.
- Keeyask will be Manitoba's fourth largest generating station and the sixth on the Nelson River.

Background

- Construction of the Keeyask Generating Station commenced on July 16, 2014 after receipt of all required licenses and approvals.
- The General Civil Contract (GCC), the largest contract on the project was awarded to BBE Hydro Constructors Limited Partnership consisting of Bechtel Canada Co., Barnard Construction of Canada Ltd. and EllisDon Civil Ltd. The GCC is the largest contract on the project and is responsible for rock excavation, concrete for the powerhouse and spillway, earth structures, electrical and mechanical work, and the construction and removal of temporary cofferdams needed to manage the river flow during construction.

PROJECT UPDATE

Generating Station

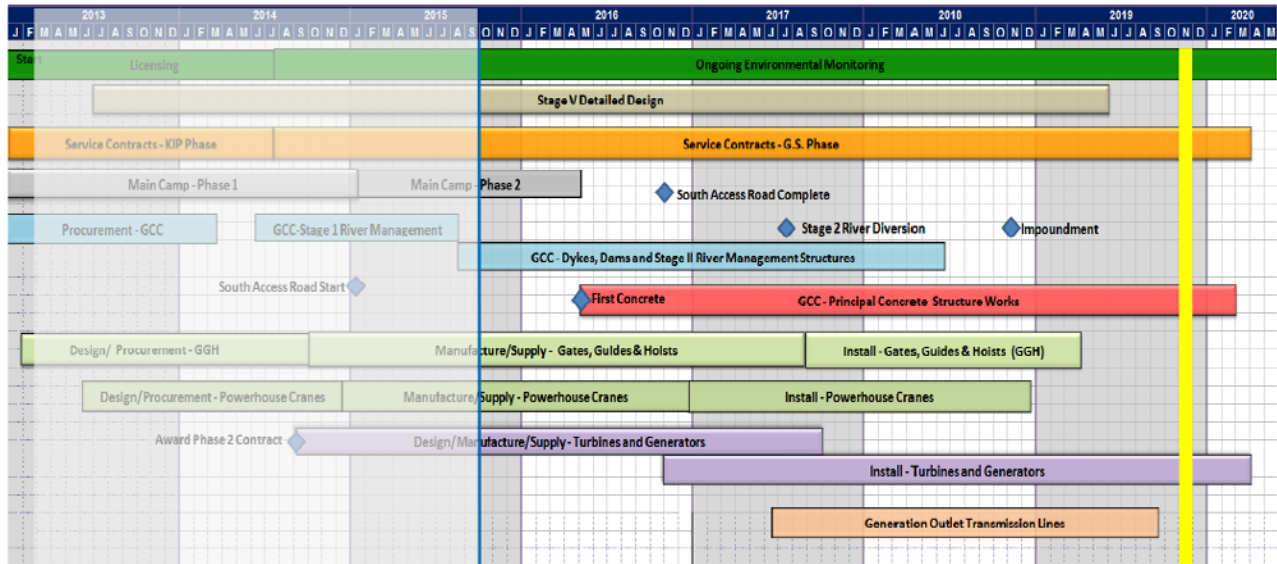
- Construction of the Spillway Cofferdam was completed over the summer 2015 allowing for excavation of the Spillway to commence. Spillway excavation continued throughout the summer and fall and is expected to be completed in early 2016.
- The Powerhouse Cofferdam was completed earlier in 2015 and a majority of the summer was spent excavating for the Powerhouse. Excavation work for the Powerhouse was suspended in late September 2015 to allow for concrete placement. The work will resume once freeze-up occurs and concrete can no longer be placed.
- The Central Dam Cofferdam is being extended to mitigate against the potential for high water in the winter 2015/2016.

- As of September 30, 2015 approximately 2.2 million m³ of material was placed for cofferdams and other structures and 2.0 million m³ of rock has been excavated.
- On September 26, 2015, the first permanent concrete was placed for the Service Bay ahead of schedule. Approximately 700 m³ of concrete was placed by the end of Q2. Additional concrete will continue to be placed until freeze-up occurs. While only about 1% of the project's total concrete will be placed in 2015, this work is happening well in advance of the May 2016 baseline schedule for concrete work.

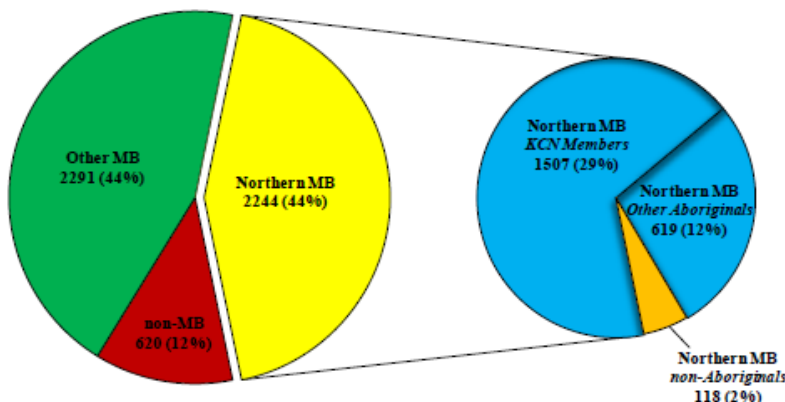
Infrastructure

- All of the 736 modules for the Keyask Main Camp have been delivered and craned into place and construction of the camp is focused on finishing activities of the dorms. There are currently 1000+ dorms available by the end of Q2. It is expected that the entire 2,000 person camp will be completed early in 2016.
- The construction power station which will provide power during the construction of Keyask was completed over the summer of 2015.
- Construction of the South Access Road between Gillam and the south side of the Nelson River is ongoing and will continue over the next year.

Project Schedule Overview – September 30, 2015

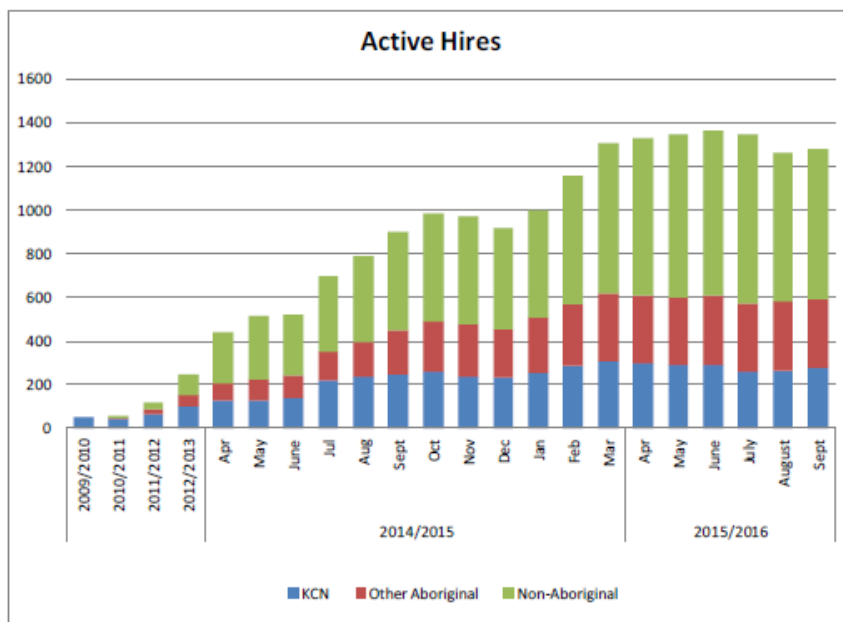


Total Hires – as of September 30, 2015



- As of September 30, 2015 there have been a total of 5,155 hires on the Keeyask Project. Of these total hires, 88% are Manitobans, 53% have self-declared being Aboriginal persons and 29% of the total hires are Keeyask Cree Nation (KCN) members.

Active Hires – as of September 30, 2015



- As of September 30, 2015 there 1,280 active hires on the Keeyask Project. Of these active hires, 78% are Manitobans, 46% have self-declared being Aboriginal persons and 22% are KCN members.

FINANCIAL SUMMARY

- As indicated in the executive summary, construction is progressing to be on budget of \$6.5 billion
- Expenditures to the end of September 30, 2015 were \$1.97 billion or 30% of the control budget

Item #	Item	Control Budget (2014\$)	Actuals to Sept. 30, 2015
1.1	Generating Station	4.046	1.639
1.2	Generation Outlet Transmission (GOT)	0.164	0.012
1.3	Escalation @ CPI	0.244	0.000
1.4	Interest (including Interest on Equity)	1.343	0.318
1.5	Contingency	0.307	0.000
1.6	Labour Mgmt Reserve	0.304	0.000
1.7	Escalation Mgmt Reserve	0.088	0.000
1.8	Total	6.496	1.970

RECENT PHOTOS

Photo 1: Keeyask Satellite photo (September 11, 2015)



Photo 2: Rock Excavation inside the Powerhouse Cofferdam (July 27, 2015)



Photo 3: Rock Excavation inside the Powerhouse Cofferdam looking upstream (September 2015)



Photo 4: First Concrete Placement (September 26, 2015)



Photo 5: Aerial of Keeyask Main Camp (July 27, 2015)



Photo 6: Keeyask Main Camp Amenities



Top – Left: Keeyask Dining Room; Right: Sports Court
Bottom – Left: Workout Equipment; Right: Craft Dorm

Manitoba Hydro Update on Major Projects to the Public Utilities Board

Pointe du Bois Spillway Replacement Project Update

Q2 Update ending September 30, 2015



EXECUTIVE SUMMARY

Project Description

- The Pointe du Bois Spillway Replacement Project is required to upgrade existing facilities to meet Canadian Dam Association guidelines and to improve operational safety and reliability.
- Control budget was established in 2012 at \$560 million. The budget was increased in 2014 to \$575 million to accommodate an additional year of construction. Actual cost as of September 30, 2015 is \$558 million. Please note, subsequent to September 30, 2015, the budget for the project was updated to \$595 million. This change has been reflected in CEF15 and will be included in the third quarter report.
- The Pointe du Bois Spillway Replacement Project includes construction of a 7 bay spillway and approximately 1 km of earth fill dam. Decommissioning of existing structures and re-vegetation of the site is also in scope.
- Pointe du Bois is Manitoba's oldest generating station and is the first station on the Winnipeg River.

Background

- Construction of the project commenced in December 2012.
- The General Civil Contract (GCC), the largest contract on the project was awarded to Peter Kiewit Infrastructure (PKI) and is responsible for rock excavation, concrete for the spillway, earth structures, installation of the spillway gates and all electrical and mechanical work.
- Gates and hoisting equipment was designed and supplied by Alstom.
- The new spillway was placed in service in August of 2014.
- Construction of the earth fill dam was deferred from 2014 to 2015.
- Delays to construction in 2014 were primarily a result of severe weather events at the construction site, record flows on the Winnipeg River, and quality issues with the supply of gate equipment.

PROJECT UPDATE

Main and South Dams:

- Placement of Class 1 (clay) impervious fill was completed. Placement of Classes 3 (sand), 4, 5, 6 and 7 (granular) materials for the Main and South Dams continued. Hauling of Class 3 to site continued, however all clay hauling has concluded. Various site access roads were removed in preparation for impoundment of the dam structures. Installation of the permanent power cable from the powerhouse to the ancillary building was completed.

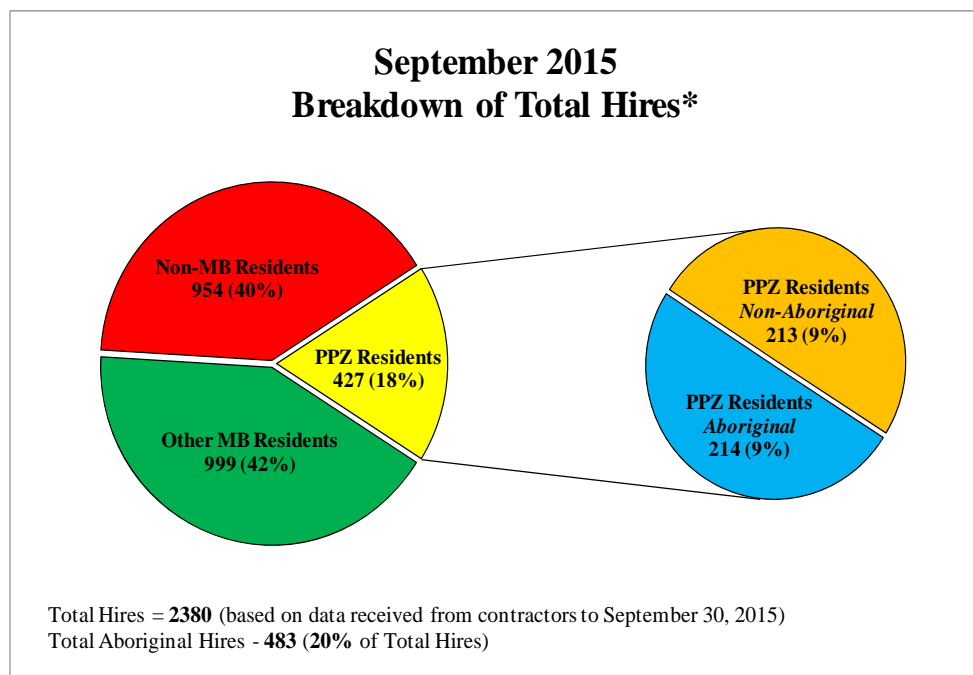
Site Demobilization and Cleanup:

- Work began to demobilize major equipment and to begin cleanup of the site.

Project Schedule Overview – September 30, 2015

Activity Name	Start	Finish	2011				2012				2013				2014				2015			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Spillway In Service		23-Aug-14 A																				
Main Dam	23-Aug-14 A	03-Oct-15																				
Decommission Existing Spillway	08-Sep-15 A	03-Nov-15																				
Site Cleanup & Final Commissioning	01-Nov-15	05-Dec-15																				

Employment – as of September 30, 2015



Employment Summary

- Between January 2012 and September 30, 2015, there have been a total of 2,380 hires to the Pointe du Bois Spillway Replacement Project. Of the total hires –
 - 60% are Manitobans (18% are within the Project Preference Zone);
 - 20% have declared being aboriginal persons; and,
 - Aboriginal PPZ residents account for 9% of the total hires (44% of the aboriginal hires).

FINANCIAL SUMMARY

- The Spillway Replacement control budget was established in 2012 at \$560 million.
- Expenditures to the end of September 30, 2015 were \$558.4 million or 99% of the control budget.

Pointe du Bois Control Budget Summary (in Millions \$)			
Item #	Item	Control Budget (2012\$)	Actuals to Sept. 30, 2015
1.1	Spillway Replacement Project	441.300	460.100
1.2	Pre-Construction	47.700	47.500
1.3	GS Modernization	1.400	1.400
1.4	Interest	39.900	49.400
1.5	Contingency	29.300	0.000
1.6	Total	559.600	558.400

RECENT PHOTOS

Photo 1: Main Dam construction – aerial view with new spillway in background (September 2015)



Photo 2: Class 1, 3 and 4 material being placed on Main Dam (September 2, 2015)



Photo 3: South Dam under Construction (August 27, 2015)

