

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
1	4.1 Government confirmation of projected long-term returns	Province / Nalcor	NR-Energy	IBRD FIN	NL Gov accepts principle that a review is required prior to sanction but does not accept Panel's assumption that information Nalcor provided was inadequate.	<p>Nov. 2012- Complete</p> <p>June 2019- NR agrees with the recommendation with respect to any future sanction decision on developing Gull Island, if and when development is to occur. Any such decision would also consider the findings of the Commission of Inquiry Respecting the Muskrat Falls Project (Inquiry).</p>
2	4.2 Independent analysis of alternatives to meeting domestic demand	Province / Nalcor	NR-Energy	CCEE	<p>NL Gov does not accept this recommendation.</p> <p>Fed Gov does not accept this recommendation.</p>	<p>Nov. 2012- Complete</p> <p>June 2019- NR notes that there are no changes as Muskrat Falls was sanctioned and is nearing completion without accepting this recommendation.</p>
3	4.3 Integrated Resource Planning	Province / Nalcor	NR-Energy	ENVC-LM	NL Gov accepts	<p>Nov. 2012- Nalcor notes that no further consideration of Integrated Resource Planning would be required if a decision is made to proceed with Muskrat Falls. With a long-term surplus energy available to island ratepayers, other supply options would not be required for many. The current sanction decision is supported by an updated generation expansion plan, which outlines the least cost supply alternative for the Island system.</p> <p>May 2014- ENVC notes that no formalized land use planning has taken place. Integrated resource planning may not be required given a decision was made to proceed with the project and Crown titles have been issued. NRnotes that given Muskrat Falls is proceeding, no further consideration is required.</p> <p>November 2018- NR notes that Newfoundland and Labrador Hydro filed a <i>Reliability and Resource Adequacy Study</i> (available online at: www.pub.nf.ca/applications/NLH2018ReliabilityAdequacy/application/From%20NLH%20%20-%20Reliability%20and%20Resource%20Adequacy%20Study%20-%20November%202018%20-%202018-11-16.PDF) with the Board of Commissioners of Public Utilities (PUB) in November 2018. The filing incorporates stakeholder engagement, feedback from customers, supply and demand forecast, public hearings, and generation alternatives, which are prominent elements of Integrated Resource Planning.</p> <p>July 2019 - The PUB is currently reviewing the <i>Reliability and Resource Adequacy Study</i> and will establish a schedule for public review.</p>
4	4.4 Project sequencing and applying lessons learned	Nalcor	NR-Energy		<p>NL Gov accepts.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nalcor notes that it will incorporate applicable learnings from Muskrat Falls into its planning for Gull Island. These learnings will also be applied during the construction phase if Gull Island is sanctioned.</p> <p>May 2014- NR notes that there are no changes.</p>

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July 11, 2019

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						<p>June/July 2019- Nalcor notes that there are no changes. Although the Gull Island project has been released from the EA process, it has not been sanctioned and NR notes that there are two on-going processes which will inform the lessons learned for Gull Island, which are: 1) the Muskrat Falls Inquiry (final report due on or before Dec. 31/19); and 2) Public Utilities Board (PUB) review of the Rate Mitigation Options and Impacts reference question (final report due on or before Jan. 31/20). The province, as committed to, will apply the lessons learned from the construction of Muskrat Falls to the construction of Gull Island.</p> <p>The PUB is currently reviewing the <i>Reliability and Resource Adequacy Study</i> and will establish a schedule for public review.</p>
5	4.5 Full clearing of the Muskrat Falls reservoir	Nalcor	NR-Forestry	NR-Energy	<p>NL Gov agrees with principle of maximizing the utilization of forest resources. Gov supports partial harvesting of flood zone.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- DNR continues to explore options for developing the resource in central Labrador. Two failed EOI's have occurred in the last 4 years. No new opportunities currently exist however; a new EOI is proposed to be advertised in the near future. Gov continues to support partial harvesting.</p> <p>May 2014- DNR continues to explore options for developing the resource in central Labrador. Three failed EOI's have occurred in the last 6 years. No new opportunities currently exist however; DNR continues discussions with an interested proponent on the utilization of the wood from the Lower Churchill Project. Other interests in this wood supply also exist and DNR has requested proposals. Gov continues to support partial harvesting.</p> <p>June/July 2019- Timber harvesting is complete. The Province agreed with the principle of maximizing the utilization of the forest resource and that if an economic opportunity to use the resource materializes, consideration will be given to harvesting additional fibre. There are no industrial forestry developments in Labrador established at this time that can utilize this timber. The timber from the project still remains in the storage yards and is available, however wood condition is poor for saw logs. FLR is still exploring options for wood use for bioenergy projects. Full clearing was not possible due to the safety restrictions associated with harvesting steep slopes. Partial harvesting, where safe, has resulted in 75% of the total volume being harvested.</p>
6	4.6 Preparation approach for Gull Island reservoir	Province / Nalcor	NR-Forestry	NR-Energy	<p>NL Gov agrees with principle of maximizing the utilization of forest resources. Gov supports partial harvesting of flood zone.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- DNR continues to explore options for developing the resource in central Labrador. Two failed EOI's have occurred in the last 4 years. No new opportunities currently exist however a new EOI is proposed to be advertised in the near future. Gov continues to support partial harvesting.</p> <p>May 2014- DNR continues to explore options for developing the resource in central Labrador. Gov continues to support partial harvesting.</p> <p>June 2019- There are no proposed harvesting activities at this time for the Gull Island reservoir.</p>
7	4.7 Utilization of merchantable timber	Nalcor	NR-Forestry	IBRD LAO	NL Gov accepts the intent and principle of utilizing	<p>Nov. 2012- Complete; DNR preparing to advertise EOI upon a sanction of the project. Nothing specific required from IBRD unless engaged by DNR-Forestry.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

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					<p>all natural resources. The Government of NL will accept responsibility for the resource after it is harvested by Nalcor, processed and stored at the landing sites identified.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>May 2014- DNR continues to work closely with a potential proponent from NS interested in the volume that will be cleared as part of the Lower Churchill Project. DNR continues to work closely with Nalcor on permit conditions and discussions surrounding challenging issues related to wood access from storage areas.</p> <p>June/July 2019- Timber harvesting is complete. The Province agreed with the principle of maximizing the utilization of the forest resource and that if an economic opportunity to use the resource materializes, consideration will be given to harvesting additional fibre. There are no industrial forestry developments in Labrador established at this time that can utilize this timber. The timber from the project still remains in the storage yards and is available, however wood condition is poor for saw logs. FLR is still exploring options for wood use for bioenergy projects. FLR remains responsible for the timber and monitors the storage yards. FLR provides approval for timber to be taken from yards as requested and has provided firewood to local indigenous communities.</p>
8	5.1 Use of best available technology	Nalcor	ENVC-PPD	IBRD CCEE	<p>NL Gov accepts the intent of this recommendation for Nalcor to implement mitigation commitments for the Project to operate as efficiently as possible and routinely replace equipment. Emissions from new and well-maintained heavy equipment are expected to meet all applicable standards and regulations.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- NL Gov accepts the intent and notes that applicable emission standards for new equipment fall under federal jurisdiction. Nothing specific required from IBRD unless engaged by ENVC and/or the proponent. CCEE Framework contains five major objectives which IBRD supports through:</p> <ol style="list-style-type: none">1. Development of a roadmap for businesses to better identify programs that promote energy efficiency and/or action on climate change.2. Review of business diagnostic tools to enhance support to businesses to improve energy management and to understand the carbon footprint of products and services.3. Explore the development of incentives to increase action on energy efficiency and climate change in the private sector.4. Strengthen the dialogue with business on the economic development opportunities and risks associated with climate change and energy efficiency.5. Collaborate with industry to explore opportunities to improve the energy efficiency of heavy trucks.6. Engage the Federal Government to ensure its funding programs for fuel-efficient technology on heavy trucks can support small trucking operations like those often found in NL with fuel emission best practices. <p>May 2014- ENVC has no further update.</p> <p>June/July 2019- Greenhouse Gas Emissions and Fuel Consumption annual reports from 2013 to 2018 have been prepared and submitted to government. Reports are published on Nalcor’s website and available at: https://musktratfalls.nalcorenergy.com/environment/generation/.</p> <ul style="list-style-type: none">• 2013 and 2014 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2015 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2016 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2017 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2018 Annual Greenhouse Gas Emissions and Fuel Consumption Report

ENVC–WR now MAE-WR; ENVC-EA now MAE-EA; ENVC-PPD now MAE-PPD; LAAO now LAS or IIAS; NR-Forestry now FLR; ENVC-Wildlife now FLR; AES now AESL; ENVC-PNA now FLR or TCII; MIGA now MAE-MA; FES now MAE-FES; IBRD now TCII; TCR now TCII; CCEE now MAE-CC 3

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
9	5.2 Backing up intermittent renewable energy	Nalcor	NR-Energy		<p>NL Gov accepts the intent of this recommendation that Nalcor should make reasonable efforts to use power from the Project to back-up wind and other intermittent renewable sources of electricity.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nalcor's development of future projects, including wind and other renewable energy projects, will be reported in future annual reports as these projects progress through Nalcor's planning process.</p> <p>May 2014- Any development of future projects, including wind and other renewable energy projects, will be reported in future annual reports as these projects progress through Nalcor's planning process.</p> <p>November 2018- NR notes that Newfoundland and Labrador Hydro filed a <i>Reliability and Resource Adequacy Study</i> (available online at http://www.pub.nf.ca/applications/NLH2018ReliabilityAdequacy/application/From%20NLH%20%20-%20Reliability%20and%20Resource%20Adequacy%20Study%20-%20November%202018%20-%202018-11-16.PDF) with the Board of Commissioners of Public Utilities (PUB) in November 2018. This study considers the contribution of wind to the province's energy asset mix.</p> <p>July 2019 - The PUB is currently reviewing the <i>Reliability and Resource Adequacy Study</i> and will establish a schedule for public review.</p>
10	5.3 Displacement of high greenhouse gas energy sources	Nalcor	CCEE		<p>NL Gov accepts and notes that it was directed to Nalcor. Will cooperate where required.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- CCEE notes that there have been no changes.</p> <p>May 2014- CCEE notes that there have been no changes.</p> <p>June/July 2019- The Province accepted the intent that Nalcor will be required to take all reasonable steps to ensure that power is used to displace energy from high greenhouse gas emission sources. Power from the Project, and other sources now available over the Labrador-Island Transmission Link (e.g. Upper Churchill and Maritimes), are and will continue to be used to displace oil-generated electricity at Holyrood.</p> <p>Greenhouse Gas Emissions and Fuel Consumption annual reports from 2013 to 2018 have been prepared and submitted to government. Reports are published on Nalcor's website and available at: https://musktratfalls.nalcorenergy.com/environment/generation/.</p> <ul style="list-style-type: none"> • 2013 and 2014 Annual Greenhouse Gas Emissions and Fuel Consumption Report • 2015 Annual Greenhouse Gas Emissions and Fuel Consumption Report • 2016 Annual Greenhouse Gas Emissions and Fuel Consumption Report • 2017 Annual Greenhouse Gas Emissions and Fuel Consumption Report • 2018 Annual Greenhouse Gas Emissions and Fuel Consumption Report
11	5.4 Atmospheric monitoring	Nalcor	CCEE	ENVC-WR	<p>NL Gov accepts intent. With the existing 12 climate stations and 10 hydrometric stations in Labrador located outside</p>	<p>Nov. 2012- CCEE notes that there have been no changes.</p> <p>May 2014- With respect to the displacement of greenhouse gas emissions in the various markets for Project power, Nalcor has indicated that it can report on displacement in NL and NS, but that it is not possible to</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

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					<p>Project area include one weather station operated by Water Resources Management Division who will provide technical assistance.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>determine greenhouse gas displacement in the open energy market. CCEE accept this approach to meeting the requirements of 5.4.</p> <p>April 2014- Atmospheric environmental effects monitoring plans approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. This plan assesses construction and operational activities identified during the environmental assessment process that have the potential to cause adverse environmental effects to the atmosphere through ambient air quality and greenhouse gas emissions. The plan proposes strategies for identification, management and monitoring of greenhouse gas, particulate, and other air emissions for the project.</p> <p>June/July 2019- The Province committed to cooperating where required with Nalcor to offer advice and expertise on monitoring greenhouse gas. Greenhouse Gas Emissions and Fuel Consumption annual reports from 2013 to 2018 have been prepared and submitted to government. Reports are published on Nalcor’s website and available at: https://muskratfalls.nalcorenergy.com/environment/generation/.</p> <ul style="list-style-type: none">• 2013 and 2014 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2015 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2016 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2017 Annual Greenhouse Gas Emissions and Fuel Consumption Report• 2018 Annual Greenhouse Gas Emissions and Fuel Consumption Report <p>The Province also committed to ensure active climate change monitoring programs are established to separate impacts of the Project from climate change impacts, including real-time monitoring. The WRMD monitors a series of hydrometric, climate, and snow monitoring stations, in the Churchill River Basin and uses the information collected for monitoring the river for annual spring runoff and ice breakup events. Details, including background and current data, are available at: www.mae.gov.nl.ca/waterres/flooding/lc_flood_warning.html. Data collected include air temperature, snow depth or snow water equivalent, precipitation, wind direction, and wind speed. Data locations include: at Muskrat Falls, at the end of Mud Lake Road (42 km downstream of Muskrat Falls), on the Metchin River near the Trans Labrador Highway (168 km from Muskrat Falls), and on the Trans Labrador Highway between Churchill Falls and Labrador City (320 km from Muskrat Falls). Additional sites collect information on water flow, water temperature, ice coverage, and water quality.</p>
12	6.1 Timing of reservoir impoundment	Federal, Nalcor	DFO	ENVC-WR	Fed Gov accepts	<p>Nov. 2012- No action required by Province. Nalcor has noted that this is federally enforced and they will work with DFO</p> <p>July 2013- The <i>Fisheries Act</i> Authorization was obtained and the impoundment window has been set to occur between July 15 and September 30. A copy of the authorization is available at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2016/10/Fisheries-Act-S-352-Authorization-for-Muskrat-Falls.pdf.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

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13	6.2 Environmental flow standards	Province Federal Nalcor	ENVC-WR	ENVC-WR	<p>NL Gov accepts the intent of the recommendation to develop environmental flow standards in consultation with Fisheries and Oceans Canada and others for the Lower Churchill River to promote ecologic functions and conserve riparian and fish habitat.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- WRMD has no update on this activity</p> <p>May 2014- WRMD has no update on this activity</p> <p>July 2013- The Lower Churchill Hydroelectric Development Freshwater Fish Habitat Compensation Plan Muskrat Falls was approved at part of the <i>Fisheries Act</i> Authorization. A copy of the authorization is available at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2016/10/Fisheries-Act-S-352-Authorization-for-Muskrat-Falls.pdf. This plan, developed in consultation with DFO, includes the creation and enhancement of spawning habitat at river deltas and shoals, in addition to the incidental gain provided by the reservoir.</p> <p>June/July 2019- The province understands this is work completed by Nalcor with DFO. Nalcor advises that the following annual reports have been submitted:</p> <ul style="list-style-type: none"> • Fish Habitat Compensation 1998 to 2013 Baseline Condition, Muskrat Falls Reservoir Area Report • Fish Habitat Compensation 1998 to 2014 Baseline Condition, Muskrat Falls Reservoir Area Report • Fish Habitat Compensation 1998 to 2015 Baseline Condition, Muskrat Falls Reservoir Area Report • Fish Habitat Compensation 1998 to 2016 Baseline Condition, Muskrat Falls Reservoir Area Report • Fish Habitat Compensation 1998 to 2017 Baseline Condition, Muskrat Falls Reservoir Area Report • Fish Habitat Compensation 1998 to 2018 Baseline Condition, Muskrat Falls Reservoir Area Report <p>The WRMD monitors a series of hydrometric, climate, and snow monitoring stations in the Churchill River Basin and uses the information collected for monitoring the river for annual spring runoff and ice breakup events. Details, including background and current data, are available at: www.mae.gov.nl.ca/waterres/flooding/lc_flood_warning.html.</p>
14	6.3 Erosion and sedimentation prevention	Nalcor	ENVC-WR	NR-Mines	<p>NL Gov agrees with the intent of this recommendation and will require the proponent to submit an Environmental Protection Plan (EPP) which will outline the proposed erosion and sedimentation prevention strategies.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- WRMD issued a number of permits related to construction activities for a) the South Side Access Road, b) access for reservoir clearing and construction of HVac Transmission Lines and c) Bulk Excavation work at the Muskrat Falls site. These permits provide terms and conditions to minimize the erosion and sedimentation related to construction activities.</p> <p>Feb. 2013- Project wide Environmental Protection Plan (EPP), which details all environmental mitigation and construction monitoring measures to be applied throughout the project, approved by Minister on February 7, 2013. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. The EPP included, as committed to by the Province, constraints and mitigation measures for work within the 15-metre vegetated buffer areas around waterbodies, best practices at all construction and cleared areas, and specified adaptive management measures to be applied should these mitigation measures fail.</p> <p>May 2014- ENVC notes that permits now include dam and north spur stabilization related work.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

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						<p>September 2014- Bank erosion and sediment quality and transport environmental effects monitoring plans approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>June/July 2019- NR Mines notes it did not provide any input as NR Mines deals only with coastal erosion and not fluvial. Nalcor notes that during construction, numerous on-site environmental monitors to ensure compliance with the plans, permits and approvals noted above. Weekly environmental reports were provided to various provincial and federal government departments.</p>
15	6.4 Mitigating entrainment effects	Federal	DFO	ENVC-Wildlife	Fed Gov accepts	<p>Nov. 2012- No action required by Province</p> <p>July 2013- The Lower Churchill Hydroelectric Development Freshwater Fish Habitat Compensation Plan Muskrat Falls was approved at part of the <i>Fisheries Act</i> Authorization. A copy of the authorization is available at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2016/10/Fisheries-Act-S-352-Authorization-for-Muskrat-Falls.pdf. The required fish stranding, recovery, and relocation plan has been reviewed and approved by DFO.</p>
16	6.5 Pilot study for methylmercury mitigation through soil removal	Federal, Nalcor	DFO	ENVC-WR	Fed Gov agrees with intent but cannot do pilot study. Recommends University research may be more appropriate.	<p>Nov. 2012- No action required by Province. Nalcor notes that there were no requirements for Nalcor and the Federal Government had indicated they agreed with intent but it would be more a study for an academic setting. In addition, the recommendation was that it be completed prior to Gull Island and outside of the Muskrat Falls reservoir.</p> <p>September 2014- Methylmercury environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>March & August 2016- Workshops held. See www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html for more information.</p> <p>October 2016- Province and Indigenous leaders establish an Independent Expert Advisory Committee. www.releases.gov.nl.ca/releases/2016/exec/1026n01.aspx</p> <p>April 2018- Province released IEAC report. www.releases.gov.nl.ca/releases/2018/mae/0411n03.aspx</p> <p>June/July 2019- The WRMD continue to operate, in partnership with Nalcor and Environment Canada, Real Time Water Quality monitoring downstream of Muskrat Falls. Up to date information on methylmercury monitoring in the Muskrat Falls Reservoir, Churchill River, and Lake Melville is available at www.mae.gov.nl.ca/methylmercury_mrf.html. Including, water sample data graphs, and methylmercury data.</p> <p>Discussions are ongoing with Indigenous leaders with respect to implementation of recommendation of the IEAC.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
17	6.6 Fish habitat compensation	Federal	DFO	ENVC-WR LAAO	Fed Gov accepts	<p>Nov. 2012- No action required by Province</p> <p>July 2013- The Lower Churchill Hydroelectric Development Freshwater Fish Habitat Compensation Plan Muskrat Falls was approved at part of the <i>Fisheries Act</i> Authorization. A copy of the authorization is available at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2016/10/Fisheries-Act-S-352-Authorization-for-Muskrat-Falls.pdf. This plan, developed in consultation with DFO, includes the creation and enhancement of spawning habitat at river deltas and shoals, in addition to the incidental gain provided by the reservoir.</p> <p>June/July 2019- The province understands this is work completed by Nalcor with DFO. Nalcor advises that the following annual reports have been submitted and are available at: https://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none">• Fish Habitat Compensation 1998 to 2013 Baseline Condition, Muskrat Falls Reservoir Area Report• Fish Habitat Compensation 1998 to 2014 Baseline Condition, Muskrat Falls Reservoir Area Report• Fish Habitat Compensation 1998 to 2015 Baseline Condition, Muskrat Falls Reservoir Area Report• Fish Habitat Compensation 1998 to 2016 Baseline Condition, Muskrat Falls Reservoir Area Report• Fish Habitat Compensation 1998 to 2017 Baseline Condition, Muskrat Falls Reservoir Area Report• Fish Habitat Compensation 1998 to 2018 Baseline Condition, Muskrat Falls Reservoir Area Report
18	6.7 Assessment of downstream effects	Federal	DFO	ENVC-WR ENVC-Wildlife LAAO	Fed Gov accepts	<p>Nov. 2012- No action required by Province</p> <p>September 2014- Aquatic environmental effects monitoring plan evaluates the success of proposed effects management measures and confirms effects predictions made during the environmental assessment process. The scope of this plan includes downstream effects, turbine entrainment, and mercury bioaccumulation. The plan was approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>June/July 2019- Nalcor advises that the following annual reports have been submitted and ongoing monitoring is continuing. Copies of recent reports are available at: https://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none">• Aquatic Environmental Effects Monitoring Program 1998 to 2012 Baseline Conditions Muskrat Falls• Aquatic Environmental Effects Monitoring Program 1998 to 2013 Baseline Conditions Muskrat Falls• Aquatic Environmental Effects Monitoring Program 1998 to 2014 Baseline Conditions Muskrat Falls• Aquatic Environmental Effects Monitoring Program 1998 to 2015 Baseline Conditions Muskrat Falls• Aquatic Environmental Effects Monitoring Program 1998 to 2016 Baseline Conditions Muskrat Falls• Aquatic Environmental Effects Monitoring Program 1998 to 2017 Baseline Conditions Muskrat Falls• Aquatic Environmental Effects Monitoring Program 1998 to 2018 Baseline Conditions Muskrat Falls <p>Construction impoundment monitoring program results are available at: https://muskratfalls.nalcorenergy.com/environment/generation/methylmercury-monitoring/.</p>

ENVC–WR now MAE-WR; ENVC-EA now MAE-EA; ENVC-PPD now MAE-PPD; LAAO now LAS or IIAS; NR-Forestry now FLR; ENVC-Wildlife now FLR; AES now AESL; ENVC-PNA now FLR or TCII; MIGA now MAE- 8
MA; FES now MAE-FES; IBRD now TCII; TCR now TCII; CCEE now MAE-CC

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						The WRMD continue to operate, in partnership with Nalcor and Environment Canada, Real Time Water Quality monitoring downstream of Muskrat Falls. Up to date information on methylmercury monitoring in the Muskrat Falls Reservoir, Churchill River, and Lake Melville is available at www.mae.gov.nl.ca/methylmercury_mrf.html . Including, water sample data graphs and methylmercury data.
19	6.8 Published analysis of downstream effects over time	Nalcor	ENVC-WR	ENVC-Wildlife	NL Gov accepts the intent of this recommendation that Nalcor make project effects data on the downstream environment available to the parties/public and any interested academics/research organizations.	<p>Nov. 2012- WRMD continues to operate, in partnership with Nalcor and Environment Canada, 3 Real Time Water Quality monitoring stations downstream of Muskrat Falls at the following locations: a) on the Churchill River located 6.2 km downstream of Muskrat Falls b) Churchill River at English Point, and c) Lake Melville. This data is available on the ENVC website.</p> <p>May 2014- No further update at this time.</p> <p>June/July 2019- The WRMD continue to operate, in partnership with Nalcor and Environment Canada, Real Time Water Quality monitoring downstream of Muskrat Falls. Up to date information on methylmercury monitoring in the Muskrat Falls Reservoir, Churchill River, and Lake Melville is available at www.mae.gov.nl.ca/methylmercury_mrf.html. Including, water sample data graphs and methylmercury data.</p> <p>Nalcor advises that reports and studies related to the methylmercury can be found at this location: https://muskratfalls.nalcorenergy.com/environment/generation/methylmercury-monitoring/ and include:</p> <ul style="list-style-type: none"> • Report on the Baseline Dietary Survey & Human Biomonitoring Program – December 2015 • Summary Report: Dietary Survey and Human Hair Sampling Program • Information Sheet: Methyl Mercury • Technical Memo: Preliminary estimates of human exposure and risk for total mercury and methylmercury – consumption of Ringed Seal meat and liver • IR# JRP.166: Modeling the Dispersion of Mercury and Phosphorous in Lake Melville
20	6.9 Development of the aquatic monitoring program	Federal	DFO	ENVC-WR ENVC-Wildlife LAAO	Fed Gov accepts	<p>Nov. 2012- No action required by Province</p> <p>September 2014- Aquatic environmental effects monitoring plan evaluates the success of proposed effects management measures and confirms effects predictions made during the environmental assessment process. The scope of this plan includes downstream effects, turbine entrainment, and mercury bioaccumulation. The plan was approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>June/July 2019- Nalcor advises that the following annual reports have been submitted and ongoing monitoring is continuing. Copies of recent reports are available at: https://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none"> • Aquatic Environmental Effects Monitoring Program 1998 to 2012 Baseline Conditions Muskrat Falls • Aquatic Environmental Effects Monitoring Program 1998 to 2013 Baseline Conditions Muskrat Falls • Aquatic Environmental Effects Monitoring Program 1998 to 2014 Baseline Conditions Muskrat Falls

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

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						<ul style="list-style-type: none"> Aquatic Environmental Effects Monitoring Program 1998 to 2015 Baseline Conditions Muskrat Falls Aquatic Environmental Effects Monitoring Program 1998 to 2016 Baseline Conditions Muskrat Falls Aquatic Environmental Effects Monitoring Program 1998 to 2017 Baseline Conditions Muskrat Falls Aquatic Environmental Effects Monitoring Program 1998 to 2018 Baseline Conditions Muskrat Falls
21	7.1 Wetland compensation plan	Nalcor, Federal	ENVC-Wildlife EC	LAAO	<p>NL Gov accepts will work with Environment Canada (EC).</p> <p>Fed Gov accepts and will work with Nalcor, ENVC and Aboriginal Groups</p>	<p>Nov. 2012- To our knowledge, Nalcor has not submitted a Wetland Compensation Plan to ENVC-Wildlife or EC.</p> <p>Apr. 2014- ENVC notes Wildlife Division has not received a Wetland Compensation Plan. Nalcor has engaged an environmental firm and is working with Ducks Unlimited Canada to develop the plan.</p> <p>July 2017- Draft wetland and riparian plan submitted to government by Nalcor Energy.</p> <p>May 2019- Draft plan submitted Nalcor Energy. Currently under review by multiple departments, including the FLR-WD, MAE-WRMD, and Environment and Climate Change Canada.</p> <p>June/July 2019- Plan revised based on technical feedback and re-submitted. Currently under review by multiple departments, including FLR-WD, MAE-WRMD, and Environment and Climate Change Canada, and provided to indigenous groups as per the Aboriginal Consultation Guidelines.</p>
22	7.2 Riparian compensation plan	Federal	ENVC-Wildlife DFO	LAAO	<p>NL Gov accepts will work with DFO.</p> <p>Fed Gov accepts and will work with Nalcor, ENVC and Aboriginal Groups</p>	<p>Nov. 2012- To our knowledge, Nalcor has not submitted a Riparian Compensation Plan to ENVC-Wildlife or DFO.</p> <p>May 2014- ENVC notes Wildlife Division has not received a Riparian Compensation Plan</p> <p>July 2017- Draft wetland and riparian plan submitted to government by Nalcor Energy.</p> <p>May 2019- Draft plan submitted Nalcor Energy. Currently under review by multiple departments, including the FLR-WD, MAE-WRMD, and Environment and Climate Change Canada.</p> <p>June/July 2019- Plan revised based on technical feedback and re-submitted. Currently under review by multiple departments, including FLR-WD, MAE-WRMD, and Environment and Climate Change Canada, and provided to indigenous groups as per the Aboriginal Consultation Guidelines.</p>
23	7.3 Recovery strategies for endangered species	Province, Federal	ENVC-Wildlife EC	ENVC-PNA	<p>NL Gov accepts but does not accept proposed timelines.</p> <p>Fed Gov accepts but does not accept proposed timelines.</p>	<p>Nov. 2012- Provincially:</p> <ul style="list-style-type: none"> Caribou: A recovery document is in place and is currently being updated to be released in 2012-2013. Olive-sided Flycatcher: A provincial Recovery Plan is currently being drafted with planned release in 2012. Critical habitat will not be identified in this document as there is not enough information available for such an assessment.

ENVC-WR now MAE-WR; ENVC-EA now MAE-EA; ENVC-PPD now MAE-PPD; LAAO now LAS or IAS; NR-Forestry now FLR; ENVC-Wildlife now FLR; AES now AESL; ENVC-PNA now FLR or TCII; MIGA now MAE- 10
MA; FES now MAE-FES; IBRD now TCII; TCR now TCII; CCEE now MAE-CC

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<ul style="list-style-type: none"> Common Nighthawk: A recovery plan has been drafted. Critical habitat has not been identified in this document as there is not enough information available for such an assessment. Rusty Blackbird: A management plan has been drafted. Critical habitat has not been identified in this document as there is not enough information available for such an assessment. <p>May 2014- ENVC notes the recovery and management plans for the birds have been drafted. The woodland caribou recovery plan update has been put on hold pending alignment with federal range planning initiatives, internal work priorities, the completion of habitat work and the completion of the upcoming status review by COSEWIC. An updated recovery/range plan is expected to be prepared in 2015.</p> <p>June/July 2019- Provincial recovery plans remain pending. The recovery plan for boreal caribou and George River Caribou Herd are currently being developed under the federal <i>Species at Risk Act</i> Section 11 Conservation Agreement and related indigenous engagement in Labrador. The development of these plans are independent of the Muskrat Falls Project and progress is related primarily to ongoing indigenous engagement and funding from the Government of Canada for monitoring and research.</p>
24	7.4 Compliance with species at risk legislation	Nalcor	ENVC-Wildlife		<p>NL Gov accepts</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Statement as previously provided applies</p> <p>Feb. 2013- Project wide Environmental Protection Plan (EPP), which details all environmental mitigation and construction monitoring measures to be applied throughout the project, approved by Minister on February 7, 2013. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>May 2014- Statement as previously provided applies.</p> <p>September 2014- Species at Risk environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. The Plan addresses the required aspects of species at risk for both avifauna and caribou protection and effects monitoring for the design and construction phases of the project, including Muskrat Falls Generation and the Labrador Transmission Assets. This plan is a requirement for the issuance of a Section 19 Permit under the <i>Endangered Species Act</i>.</p> <p>November 2014- Required section 19, species at risk permit issued and posted online at: www.flr.gov.nl.ca/wildlife/endangeredspecies/endangered_permits.html</p> <p>June/July 2019- No further action required. FLR states Nalcor has fulfilled obligations under the permit.</p> <p>Nalcor advise that the following reports were prepared and submitted to government and posted on Nalcor's website (https://muskratfalls.nalcorenergy.com/environment/generation/):</p> <ul style="list-style-type: none"> 2014 Annual Red Wine Mountain Caribou Report Environmental Effects Monitoring Program – 2014 Red Wine Mountains Caribou Herd 2014 Aerial Survey and Collar Deployment Report

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<ul style="list-style-type: none"> • 2015 Annual Red Wine Mountain Caribou Report • 2016 Annual Caribou Report – Red Wine Mountain Herd • Environmental Effects Monitoring Program – 2016 Red Wine Mountains Caribou Herd, 2016 Aerial Survey • Environmental Effects Monitoring Program – Red Wine Mountains Caribou Herd – 2014-2016 Winter and Calving-Post-Calving Ranges • 2017 Annual Red Wine Mountain Caribou Report • Environmental Effects Monitoring Program – Red Wine Mountains Caribou Herd – 2014-2017 Winter and Calving-Post-Calving Ranges
25	7.5 Road construction and decommissioning	Province	NR-Forestry	ENVC-LM TW MIGA	NL Gov accepts Fed Gov will work with NR-Forestry as required.	<p>Nov. 2012- Road construction is not complete at this time. Site access road right of way clearing is complete. Road construction for reservoir clearing has not been started at this time. The Lands Branch will continue to work in collaboration with the Forest Services Branch on a case by case basis as required.</p> <p>May 2014- Road construction is complete from the TLH to the dam site (27km). Road construction for reservoir clearing has been changed significantly as communicated to DNR officials in June 2013. This will significantly affect access to wood storage yards.</p> <p>June/July 2019- Road construction is completed. Forest access road construction met FLR standards. No further action required by FLR.</p>
26	7.6 Recovery of the Red Wine Mountain caribou herd	Province , Federal	ENVC-Wildlife	ENVC-PNA LAAO	NL Gov accepts Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- A recovery document is in place and is currently being updated to be released in 2012-13.</p> <p>May 2014- ENVC notes the woodland caribou recovery plan update has been put on hold pending alignment with federal range planning initiatives, internal work priorities, the completion of habitat work and the completion of the upcoming status review by COSEWIC. An updated recovery/range plan is expected to be prepared in 2015.</p> <p>September 2014- Species at Risk environmental effects monitoring plan approved by Minister and posted online. www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. The Plan addresses the required aspects of species at risk for both avifauna and caribou protection and effects monitoring for the design and construction phases of the project, including Muskrat Falls Generation and the Labrador Transmission Assets. This plan is a requirement for the issuance of a Section 19 Permit under the <i>Endangered Species Act</i>.</p> <p>November 2014- Required section 19, species at risk permit issued and posted online at: www.flr.gov.nl.ca/wildlife/endangeredspecies/endangered_permits.html</p> <p>June/July 2019- FLR is developing a Boreal Caribou Recovery Plan as part of a federal <i>Species at Risk Act</i> - Section 11 Conservation Agreement that includes indigenous engagement in Labrador. The development of</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>these plans are independent of the Muskrat Falls Project and progress is related primarily to ongoing indigenous engagement and funding from the Government of Canada for monitoring and research.</p> <p>Nalcor advise that the following reports were prepared and submitted to government and posted on Nalcor's website (https://muskratfalls.nalcorenergy.com/environment/generation/):</p> <ul style="list-style-type: none"> • 2014 Annual Red Wine Mountain Caribou Report • Environmental Effects Monitoring Program – 2014 Red Wine Mountains Caribou Herd • 2014 Aerial Survey and Collar Deployment Report • 2015 Annual Red Wine Mountain Caribou Report • 2016 Annual Caribou Report – Red Wine Mountain Herd • Environmental Effects Monitoring Program – 2016 Red Wine Mountains Caribou Herd, 2016 Aerial Survey • Environmental Effects Monitoring Program – Red Wine Mountains Caribou Herd – 2014-2016 Winter and Calving-Post-Calving Ranges • 2017 Annual Red Wine Mountain Caribou Report • Environmental Effects Monitoring Program – Red Wine Mountains Caribou Herd – 2014-2017 Winter and Calving-Post-Calving Ranges
27	7.7 Management of the George River caribou herd	Province , Federal	ENVC-Wildlife EC	ENVC-PNA LAAO	<p>NL Gov accepts the intent</p> <p>EC will work with Province and Quebec</p>	<p>Nov. 2012- The GRCH management plan is ongoing and stakeholder input will be incorporated into the management plan as the plan progresses. The Aboriginal consultations regarding harvest management are now complete. Further and continued consultations with all stakeholders (aboriginal and non-aboriginal) regarding future GRCH conservation measures will continue throughout the decline and recovery of the herd.</p> <p>May 2014- ENVC notes all harvesting has been suspended on the GRCH. Population estimates are now below 20,000 animals. NL extended funding for the Labrador Caribou Initiative to, among other things, allow for a count of the herd in 2014. Engagement with the Ungava Peninsula Caribou Aboriginal Roundtable has been initiated seeking collaboration on a management plan. It is hoped that a management plan can be prepared by 2015. Continued consultations with all stakeholders (aboriginal and non-aboriginal) regarding future GRCH conservation measures will continue throughout the decline and recovery of the herd.</p> <p>October 2017- Agreement signed between seven Indigenous Nations to form UPCART - the Ungava Peninsula Caribou Aboriginal Round Table - to implement a management strategy for caribou in the George River and Leaf River herds. The strategy is titled, "A Long Time Ago in the Future: Caribou and the People of Ungava,".</p> <p>July 2014- Caribou environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010_1305/index.html. This plan demonstrates how environmental effects will be mitigated, and sets out a program for monitoring the effectiveness of the mitigation measures. It addresses the required aspects of migratory caribou protection and effects monitoring for the design, construction, and operation phases.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>January 2018- FLR continues to work with Indigenous governments and organizations on a co-management approach to conserving caribou in Labrador. https://www.releases.gov.nl.ca/releases/2018/ffa/0130n03.aspx</p> <p>September 2018- FLR continues to suspend hunting as population declines. https://www.releases.gov.nl.ca/releases/2018/ffa/0921n03.aspx</p> <p>June/July 2019- Nalcor submitted the caribou environmental effects monitoring plan as required and the plan meets the conditions of release. There has not been any requirement for the plan to change. The following reports were prepared and submitted by Nalcor in compliance with the plan, and are available at: https://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none"> • 2014 Wildlife Sightings Report • 2015 Wildlife Sightings Report • 2016 Wildlife Sightings Report • 2017 Wildlife Sightings Report
28	7.8 Effect of reservoir preparation activities on migratory birds	Nalcor, Federal	ENVC-Wildlife		Fed Gov does not accept	<p>Nov. 2012- No action required by Province. Nalcor notes that when possible it will conduct clearing outside of bird migratory season and will follow Federal government enforcement.</p> <p>August 2018- An Avifauna Environmental Effects Monitoring Plan, which identifies mitigation measures for the protection of avifauna in the project area, and sets out a program for monitoring the effectiveness of these measures was approved by the Minister of ENVC and posted online at: https://www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/avifauna_protection_EEMP.pdf and http://muskratfalls.nalcorenergy.com/wp-content/uploads/2014/08/Avifauna-Protection-Environmental-Effects-Monitoring-Plan1.pdf.</p> <p>October 2018- Nalcor implemented an Avifauna Management Plan that includes comprehensive surveys, avoidance through buffers, and relocation protocols, where necessary. It is available at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/03/002.pdf.</p> <p>June/July 2019- Annual avifauna management reports, as well as environmental effects monitoring reports on the effects of reservoir preparation are available at: https://muskratfalls.nalcorenergy.com/environment/generation/ and include:</p> <ul style="list-style-type: none"> • 2014 Avifauna Environmental Effects Monitoring Program • 2015 Avifauna Environmental Effects Monitoring Program • 2015 Annual Report – Implementation of the Avifauna Management Plan, Labrador • Avifauna Report 2013-2015 • Environmental Effects Monitoring Program – Avifauna Final Report • LCP Annual Report on the Implementation of the 2014 Avifauna Management Plan – Labrador

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<ul style="list-style-type: none"> Environmental Effects Monitoring Program – Avifauna, 2016 Forest Songbird and Common Nighthawk (Chordeiles minor) Point-Count Surveys 2016 Avifauna Annual EEM Reports
29	7.9 Vegetation control	Nalcor	ENVC-PPD		<p>NL Gov accepts the intent of this recommendation that approval of the use of herbicides should only be granted after Nalcor has submitted an overall vegetation control plan and it is fully in keeping with the practices of Integrated Vegetation Management.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action required at this time. Applicable licences will be required from ENVC once a vegetation control program is deemed necessary by the proponent.</p> <p>May 2014- ENVC notes no requests received to date from Nalcor for vegetation control.</p> <p>June 2019- Current permit issued to Nalcor Energy covers the area from the Muskrat Falls site to about 30 km towards the Upper Churchill site. A vegetation control plan, as required by the Province, was submitted as a part of the approval process.</p>
30	7.10 Monitoring, follow-up and adaptive management for the terrestrial environment	Nalcor	ENVC-Wildlife		<p>NL Gov accepts intent</p> <p>Fed Gov accepts intent but will rely on Province to monitor</p>	<p>Nov. 2012- This statement was directed to the proponent. ENVC-Wildlife will continue to work with the proponent to provide input and reviews as appropriate.</p> <p>May 2014- No change to date, ENVC- Wildlife will continue to work with the proponent to provide input and reviews as appropriate.</p> <p>April 2014 to June 2016- Various environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. Only outstanding plan is for wetland and riparian habitats.</p> <p>June/July 2019- No further action required by FLR. IIAS advise that all Environmental Effects Monitoring Plan and permits have been provided to indigenous groups for review and comment as outlined by the Aboriginal Consultation Guidelines. Where appropriate adaptive management has been implemented.</p> <p>Examples of follow up studies (e.g., avifauna, species at risk, moose, furbearers) can be found at https://muskratfalls.nalcorenergy.com/environment/generation/.</p>
31	8.1 Trapping compensation program	Nalcor	LAAO		NL Gov accepts intent	<p>Nov. 2012- Nalcor will be establishing a compensation program for all bona fide trappers along the lower Churchill River. The first draft is in development by Nalcor at this time. This program is not expected to be introduced until first flood, expected to be in 2014.</p>

ENVC–WR now MAE-WR; ENVC-EA now MAE-EA; ENVC-PPD now MAE-PPD; LAAO now LAS or IIAS; NR-Forestry now FLR; ENVC-Wildlife now FLR; AES now AESL; ENVC-PNA now FLR or TCII; MIGA now MAE- 15
MA; FES now MAE-FES; IBRD now TCII; TCR now TCII; CCEE now MAE-CC

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
					Fed Gov will work with the appropriate parties as required.	<p>May 2014- Consultation with trappers and government officials is ongoing in preparation of the plan. This plan will be implemented prior to the construction impoundment, which is scheduled for 2016.</p> <p>June 2019- Stakeholders expressing concern or an impact related to the project can contact Nalcor via phone, email or in person at the Project office. Contact information is available on the project website, social media and all public information produced for the project. Boating guides/trappers active in the lower Churchill River Valley that can substantiate a claim of loss of income due to the project will be compensated. To date, no claims have been received.</p>
32	8.2 Mud Lake ice bridge mitigation	Province , Nalcor	ENVC-WR	LAAO MIGA	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- WRMD has no update on this activity.</p> <p>May 2014- No change to note.</p> <p>September 2014 - The ice formation environmental effects monitoring plan approved by Minister to monitor the presence of ashkui within the lower Churchill River watershed as well as the development of ice cover in relation to the Mud Lake Crossing, an ice road/ice bridge across the Churchill River to Happy Valley-Goose Bay, approximately 30 kilometres (km) downstream of the Muskrat Falls reservoir. This plan is posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html.</p> <p>June/July 2019- The WRMD monitors a series of hydrometric, climate, and snow monitoring stations in the Churchill River Basin and uses the information collected for monitoring the river for annual spring runoff and ice breakup events. Details, including background and current data, are available at: www.mae.gov.nl.ca/waterres/flooding/lc_flood_warning.html. This program includes monitoring ice thickness at the Mud Lake ice bridge crossing.</p> <p>As a part of Nalcor's construction impoundment water quality program, ice thickness is collected (bi-weekly) at all monitoring stations during the winter period and provided to MAE.</p> <p>The following reports for the ice formation environmental effects monitoring plans are available at: http://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none"> • 2013/2014 Ice Observation Survey Mud Lake Crossing, Lower Churchill Project Report • 2014-2015 Ice Observation Survey Mud Lake Crossing, Lower Churchill River Report • 2015-2016 Ice Observation Survey Mud Lake Crossing, Lower Churchill River Report • 2016-2017 Ice Observation Survey Mud Lake Crossing, Lower Churchill River Report • 2017-2018 Ice Observation Survey Mud Lake Crossing, Lower Churchill River Report <p>Data is shared and discussed with a Local River Water Committee. The Local River Watch Committee meets weekly throughout spring breakup.</p>

ENVC–WR now MAE-WR; ENVC-EA now MAE-EA; ENVC-PPD now MAE-PPD; LAAO now LAS or IIAS; NR-Forestry now FLR; ENVC-Wildlife now FLR; AES now AESL; ENVC-PNA now FLR or TCII; MIGA now MAE- 16
MA; FES now MAE-FES; IBRD now TCII; TCR now TCII; CCEE now MAE-CC

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
33	8.3 Navigation during impoundment	Nalcor	ENVC-EA		NL Gov accepts the intent of this recommendation and agrees that Nalcor should address transportation difficulties if impeded during reservoir impoundment periods and provide alternative transportation to minimize any inconvenience to residents. Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- The recommendation has been directed to Nalcor for implementation in consultation with Mud Lake residents and appropriate authorities should reservoir impoundment impede transportation.</p> <p>May 2014- Navigation mitigation and monitoring plan approved by Minister is to address project interaction with navigation in the Lower Churchill River at the reservoir area and downstream during construction and operation. It is posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>June/July 2019- The WRMD monitors a series of hydrometric, climate, and snow monitoring stations in the Churchill River Basin and uses the information collected for monitoring the river for annual spring runoff and ice breakup events. Details, including background and current data, are available at: www.mae.gov.nl.ca/waterres/flooding/lc_flood_warning.html. This program includes monitoring ice thickness at the Mud Lake ice bridge crossing. Data is shared and discussed with a Local River Water Committee. The Local River Watch Committee meets weekly throughout spring breakup.</p> <p>A Contingency Transportation Plan for Mud Lake Residents during Reservoir Impoundment was prepared by Nalcor.</p>
34	8.4 Lower Churchill navigation mitigation and monitoring plan	Federal	Transport Canada	ENVC-WR	Fed Gov accepts and notes it will direct Transport Canada	<p>Nov. 2012- No action required by Province</p> <p>March 2014- Approval obtained from Transport Canada under the <i>Navigable Waters Protection Act</i>, a copy of which is available at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/06/Navigation-Mitigation-and-Monitoring-Plan.pdf</p> <p>May 2014- Navigation effects monitoring plan approved by Minister is to address project interaction with navigation in the Lower Churchill River at the reservoir area and downstream during construction and operation. It is posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html.</p>
35	8.5 Allowing local forestry operators to clear additional areas	Province	NR-Forestry		<p>NL Gov accepts the intent of the recommendation to allow local forestry operators to clear additional areas.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- There are currently no forestry operators in the local area to take on such activities. However Forestry will notify Nalcor if the situation changes.</p> <p>May 2014- There are currently no forestry operators in the local area to take on such activities. However Forestry will notify Nalcor if the situation changes.</p> <p>June/July 2019- Harvesting activities in relation to the project are complete. No local operators were available to harvest any wood under this opportunity in the local area. FLR was ready and open to working with any interested local operators as per the recommendation but none came forward.</p>
36	9.1 Noise and dust management	Nalcor	OHS	HCS	NL Gov accepts intent	Nov. 2012- Ongoing. OHS inspections conducted at site week of September 24, 2012 resulted in stop work orders in relation to worker exposure to dust originating from crushing and drilling equipment. No orders were required regarding noise exposure. OHS mandate is worker protection and not environmental or public health.

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
					Fed Gov will work with the appropriate parties as required.	<p>Feb. 2013- Project wide Environmental Protection Plan (EPP), which details all environmental mitigation and construction monitoring measures to be applied throughout the project, approved by Minister on February 7, 2013. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>April 2014- Atmospheric environmental effects monitoring plans approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. This plan assesses construction and operational activities identified during the environmental assessment process that have the potential to cause adverse environmental effects to the atmosphere through ambient air quality and greenhouse gas (GHG) emissions. The plan proposes strategies for identification, management and monitoring of greenhouse gas, particulate and other air emissions for the project.</p> <p>May 2014- As of April 8, 2014: OHS inspection conducted on March 4, 2014 resulted in an order to submit silica and noise sampling results for review.</p> <p>July 2019- Ongoing implementation of the Atmospheric Environmental Effects Monitoring Plans and Environmental Protection Plan throughout project construction.</p>
37	9.2 Relocation of Canada yew	Nalcor	DNR-Forestry	LAAO	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Department of Natural Resources – Forestry manages Canada Yew under the <i>Forestry Act</i></p> <p>May 2014- Canada Yew continues to be managed by NR under the <i>Forestry Act</i>.</p> <p>June 2019- No permits were requested and FLR is not aware of any relocation of Canada Yew at any point during the clearing phases of the project. Canada Yew is largely uncommon in forests across Labrador. Canada Yew continues to be managed by FLR under the <i>Forestry Act</i>. This requirement applies to the Gull Island development.</p>
38	9.3 Community level land and resource use monitoring	Nalcor	LAAO	MIGA	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- The JRP recommended that Nalcor involve Aboriginal organizations in design/implementation of proposed community level land and resource use monitoring. The Province accepted the intent of this recommendation. Nalcor reports this program will be incorporated within the socio-economic and bio-physical Environmental Effects Monitoring Plans specific to project components. EEM Plans are currently under development and will be submitted as necessary during construction of the Project, prior to initial effects of the Project on community level land and resource use.</p> <p>May 2014- The Socioeconomic EEM Plan will be submitted to ENVC this month for review and acceptance by the Minister. At that time the Plan will also be subject to the provincial Aboriginal Consultation guidelines. In addition, this Plan will be reviewed by the Innu Nation via the Environmental Management Committee. A component of this Plan is land and resource use monitoring.</p> <p>September 2014- Socioeconomic environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. The objectives of this plan are to</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>identify measures to mitigate adverse effects and enhance the benefits of the project for Aboriginal groups and residents, create opportunities for people in the region to participate in the project and thereby enhance wellbeing, and establish a role for the project as an active participant in the sustainability of communities in the region.</p> <p>May 2019- Received the socio-economic benefits 2018 report on May 29, 2019. Available at http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/06/December-2018-LCP-Monthly-Benefits-Report-Final.pdf.</p> <p>June/July 2019- IIAS advise that all Environmental Effects Monitoring Plan and permits are provided to indigenous groups for review and comment as outlined by the Aboriginal Consultation Guidelines.</p> <p>The following reports for the socioeconomic environmental effects monitoring plan are available at: http://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none"> • 2014 Socioeconomic Report (December 2014 Project Report) • 2015 Socioeconomic Report (December 2015 Project Report) • 2016 Annual Socioeconomic Benefits Report • 2017 Socioeconomic Report • 2018 Socioeconomic Report
39	11.1 Involvement of Aboriginal groups in the management and protection of historic and archaeological resources	Nalcor	TCR-PAO	LAAO	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Through an Impact Benefit Agreement between Nalcor and the Innu, the Innu have been engaged in archaeological excavation and survey. The archaeological permit was provided to all Aboriginal groups for review and comment. The Historic Resources Management Plan for Muskrat Falls was provided to the Innu Nation-Nalcor Energy Environmental Management Committee (EMC) for review and comment on June 20, 2012,</p> <p>May 2014- TCR notes that there have been no changes to date.</p> <p>June/July 2019- TCII notes the archaeological work was completed in 2017.</p> <p>Applications for archaeological investigations were submitted to the Provincial Archaeology Office for approval. All applications were provided for indigenous review as per the Aboriginal Consultation Guidelines for the project. Historic resources investigations permits were obtained from the Provincial Archaeology Office for the project in 2013, 2014, 2015, 2016 and 2017.</p> <p>The following annual reports have been prepared and submitted to the Provincial Archaeology Office and available at: https://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none"> • 2011 Historic and Heritage Resources Field Program • 2012 Historic Resources Assessment and Recovery Program • 2014 Historic Resources Assessment and Recovery Program

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<ul style="list-style-type: none">2015 Historic Resources Assessment and Recovery Program2016 Historic Resources Assessment and Recovery Program2017 Historic Resources Assessment and Recovery Program <p>Annual Historic Resources Reports have been provided to the Environmental Management Committee (EMC).</p> <p>The Lower Churchill Project Lead Archaeologist, Fred Schwartz held presentations with Innu Elders and members of NCC.</p> <p>All recovered artifacts turned over to The Rooms following completion of the program.</p>
40	11.2 Commemoration initiatives	Nalcor	LAAO	TCR	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- The JRP recommended that Nalcor undertake commemorative and educational efforts to preserve historical, archaeological, spiritual, and cultural sites and artifacts. Since sites and artifacts are largely Innu, the majority of these initiatives are contained within the Impacts and Benefits Agreement between Nalcor and Innu Nation. Determinations of how the above process will proceed is under development at Nalcor, however Aboriginal organizations will be involved in the identification of sites, artifacts, and intangible elements to be documented, how commemoration should occur and the implementation of specific commemorative initiatives at appropriate locations throughout the river valley.</p> <p>Historic Resources Management Plan for Muskrat Falls was provided to the Innu Nation-Nalcor Energy Environmental Management Committee (EMC) for review and comment on June 20, 2012,</p> <p>May 2014- Archaeological assessment and recovery is ongoing in the LCP project area. The assessments have been undertaken in close consultation with Innu Nation and the Provincial Archaeology Office (PAO). Artifacts recovered during the 2012 and 2013 field seasons have been catalogued and are currently in the handover process to the PAO. Discussions with relevant Aboriginal groups and the PAO regarding commemorative initiatives are planned as the assessment progresses. Nalcor with Innu Elders to present and discuss findings of the 2012/13 historic resources assessments. Additionally, the assessments were presented at the EMC AGM in Sheshatshiu. Both were held 19-Nov-2013.</p> <p>May 2014- TCR notes that there are no changes to date.</p> <p>June/July 2019- TCII notes there are no updates; this is mainly a Nalcor initiative and the PAO has not been involved in recent years.</p> <p>Applications for archaeological investigations were submitted to the Provincial Archaeology Office for approval. All applications were provided for indigenous review as per the Aboriginal Consultation Guidelines for the project. Historic resources investigations permits were obtained from the Provincial Archaeology Office for the project in 2013, 2014, 2015, 2016 and 2017.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>The following annual reports have been prepared and submitted to the Provincial Archaeology Office and available at: https://muskratfalls.nalcoreenergy.com/environment/generation:</p> <ul style="list-style-type: none"> • 2011 Historic and Heritage Resources Field Program • 2012 Historic Resources Assessment and Recovery Program • 2014 Historic Resources Assessment and Recovery Program • 2015 Historic Resources Assessment and Recovery Program • 2016 Historic Resources Assessment and Recovery Program • 2017 Historic Resources Assessment and Recovery Program <p>Annual Historic Resources Reports have been provided to the Environmental Management Committee (EMC).</p> <p>The Lower Churchill Project Lead Archaeologist, Fred Schwartz held presentations with Innu Elders and members of NCC.</p> <p>All recovered artifacts turned over to The Rooms following completion of the program.</p>
41	11.3 Naming Project-related features	Province	LAAO	TCR	<p>NL Gov accepts</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- The JRP recommended that the Province develop an approach to the naming of Project-related features in consultation with local communities and Aboriginal organizations. Determinations of the specific approach to project-related naming is under development, however, the Province will work with Nalcor to develop an approach that recognizes the importance of place names in Aboriginal cultures. The Province and Nalcor intend to consult with Aboriginal organizations once this approach is affirmed.</p> <p>May 2014- Negotiators for the Innu AIP have advised that the Innu have proposed that the entirety of Chapter 16 – Place Names apply to the Lower Churchill Project Area (LCPA) as though the LCPA were LISA outside LIL. This has not yet been confirmed by the Province however provincial negotiators do not foresee any issues with accepting this proposal. Currently, there is an interim measure in the Place Names chapter which states for two years after the AIP is signed, no new or replaced place names in LISA will be approved by the Minister until the Innu Nation has first been consulted. While this date has passed, LAAO recommends to consult as per the interim measure. While the LCPA is not in LISA, it may be good governance to also consult the Innu on new or replaced names in the LCPA as it will likely be required when the Treaty is finalized. The Innu do have harvesting rights in that area.</p> <p>May 2014- TCR notes that there are no changes to date.</p> <p>2014-2019- IA continued negotiations with Innu Nation on the Land Claims Agreement. These negotiations led to NL's acceptance of the Innu proposal to have the Place Names chapter apply to the LCPA. Going forward, operationally, Innu Nation will make application at its discretion to TCII for place naming in the LCPA.</p> <p>June 2019- Negotiators for the Innu Final Agreement have accepted the Innu proposal to have the Place Names Chapter apply to the Lower Churchill Project Area (LCPA) as though the LCPA were Labrador Innu Settlement</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						Area outside Labrador Innu Lands. Indigenous Affairs recommends consulting the Innu on new or replaced names in the LCPA even in the absence of a Final Agreement.
42	12.1 Early candidate selection and training	Nalcor	AES		<p>NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action required by Province.</p> <p>May 2014- AES is participating with NR in the development of the Council of the Federation Canadian Energy Strategy, which is planned to be tabled to all Premiers in August 2014. It is proposed that the Strategy will cite the following goals and actions:</p> <ul style="list-style-type: none"> • Goal 5.1: Improve access to employment in the energy sector for all Canadians and increase participation of under-represented groups through developing partnerships among employers, communities and post-secondary and training institutions. • Action 5.1.1: Identify mechanisms to increase energy industry investment in skill development and training programs including partnerships with governments. • Action 5.1.2: Assist under-represented Canadians, such as Aboriginal peoples, persons with disabilities and older workers, to access and benefit from labour market opportunities in the energy sector. As series of initiatives to implement these goals and actions will be rolled out by each PT individually. <p>June 2019- AESL provided input into an Energy Plan progress report to Natural Resources in April 2015. The Benefits Strategy is available on the Muskrat Falls website, http://muskratfalls.nalcorenergy.com/wp-content/uploads/2013/04/Benefits-Strategy.pdf, as well as the July 2014 Gender Equity and Diversity Plan, https://muskratfalls.nalcorenergy.com/wp-content/uploads/2017/04/Nalcor-Energy-LCP-GED-Program-2014-Final.pdf.</p>
43	12.2 Workplace attachment for apprenticeship graduates	Nalcor	AES		<p>NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action required by Province.</p> <p>May 2014- AES has an Apprenticeship Wage Subsidy program which is designed to assist underemployed and unemployed apprentices in the skilled trades, by providing a financial incentive to employers to help offset salary costs of hiring apprentices. In turn, it also provides apprentices with the opportunity to gain critical work experience, especially those in their first and second years. To date, the program has supported 34 apprentices (April 2011 to present), with 13 funded in 2013-14.</p> <p>The Department also funds the Journeyperson Mentorship Program which helps industry or employers to hire Journeypersons to mentor apprentices; offsets the costs of hiring (salary) of Journeyperson mentors; and provides opportunities for apprentices to gain the work experience and hours they need to progress through their apprenticeship program. The program provides financial contributions to eligible employers to fund a journeyperson mentor to support apprentices on the job.</p> <p>June/July 2019- AESL continues to fund the Apprenticeship Wage Subsidy Program providing a wage subsidy to employers who hire apprentices. This program supports apprentices across all levels – First, Second, Third and Fourth year and provides a wage subsidy of 75%, to a maximum of \$14 an hour, for all apprentices funded under</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>the program, and is paid directly to the employers who hire the apprentice. The program assists apprentices to gain work experience in their skilled trade, and progress to journeyperson certification.</p> <p>AESL also provides \$200K yearly in annual funding to support the Office to Advance Women Apprentices. This program provides support to females to commence and maintain a career in the skilled trades. OAWA also administers a wage subsidy to support hiring of females in NL. Total budget for wage subsidy in 2018-19 was \$632K.</p> <p>Given the legislated mandate of AESL, these initiatives reflect ongoing work of the department that are available to the larger community of provincial citizens, and are not specific to the Joint Review Panel.</p>
44	12.3 Training to 'journeyperson' level in community of residence	Province Nalcor	AES		<p>NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action required by Province.</p> <p>May 2014- AES has been supporting workers in Labrador in completing job applications for MuskratFallsJobs.com to assist workers in gaining work experience in their field within Labrador. While not specifically required by the Joint Panel, the Apprenticeship Trades & Certification Division will be working with Nalcor and the contractors, in coordination with the applicable unions, to obtain numbers of apprentices on site and to also assist wherever possible with additional training to help bring individuals to Journeyperson status.</p> <p>AES has met with the Carpenters union to discuss training options for both workers being accommodated on site and those living in the nearby communities regarding preparation training for writing a Journeyperson certification exam. In addition continued dialogue is taking place with LATP to obtain updated information from them and work with them to provide direction and assistance wherever and whenever possible.</p> <p>June/July 2019- AESL employs an Apprenticeship Program Officer located in Labrador who works with stakeholders, including local employers, to monitor the progression of apprentices, identify training needs and provide support to apprentices seeking journeyperson certification. Further, AESL supports labour market relevant advanced-level training at College of the North Atlantic's Labrador West as demand dictates (e.g., Heavy Duty Equipment Technician, Industrial Electrician and Industrial Mechanic (Millwright)). AESL also supports specialized training for skilled trades occupations through a budget of up to \$1 million. Specialized training is for apprentices and journeypersons to acquire specialized skills outside the regular skilled trades training and to assist with securing employment on projects in NL.</p> <p>AESL regional staff continue to support workers in Labrador in completing job applications on the MuskratFallsJobs.com site as required; however, the activity level has diminished recently. Nalcor releases monthly reports which are available on their website, outlining employment and recruitment activities: https://muskratfalls.nalcorenergy.com/newsroom/reports/.</p> <p>Given the legislated mandate of AESL, these initiatives reflect ongoing work of the department that are available to the larger community of provincial citizens, and are not specific to the Joint Review Panel.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
45	12.4 Address wage subsidy stigma	Nalcor	AES	IBRD	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- Nothing specific required from IBRD unless engaged by AES.</p> <p>May 2014- Enhancements have been made to wage subsidy programs by combining a number of wage subsidy programs into one (NL Works, NL Wage Subsidy, Graduate Employment Program and Wage Subsidy for Persons with Disabilities). This streamlining of the application process and removal of emphasis on specific client groups was intended to make applying for a subsidy easier and to remove some of the stigma associated with this employment benefit.</p> <p>June 2019- In April 2019, enhancements were made to the JobsNL Wage Subsidy program to increase the duration of the subsidy and to increase the percentage of subsidy. In addition, a completion bonus is now provided to the employer and employee if employment is retained 10 weeks after completion of the subsidy.</p>
46	12.5 Preparing for participation in wage economy	Nalcor	AES	LAAO	NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- No action required by Province.</p> <p>May 2014- See Action Item 12.6 on LAMP. In addition, the Department undertakes strategic initiatives to align labour supply and demand, including working with our education and training partners to help prepare people for job opportunities in the province and ensure the responsiveness of our post-secondary training institutions. As well, the Department supports employers through a variety of programs and services in accessing and keeping skilled workers and delivers employment and career supports to individuals.</p> <p>June 2019 – By August 2016, at least 1,100 individuals had obtained training, with 450 securing employment at the Muskrat Falls Project site. The Labrador Aboriginal Training Partnership (LAMP) is now turning its efforts towards the Vale project site. As well, in September 2016, a maximum of \$3 million (over four years) was approved for the continuation of LAMP and the LAMP/Vale NL Aboriginal Employment Preparation Strategy.</p>
47	12.6 Continuation of Labrador Aboriginal Training Partnership	Nalcor	AES	LAAO	NL Gov accepts intent subject to Fed funding agreement Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- The funding agreement has not been completed and AES is actively engaged in trying to conclude.</p> <p>May 2014- Funding agreement between AES and LAMP signed on March 14, 2013.</p> <ul style="list-style-type: none"> Provincial Government provided \$2,169,963 in funding to the Labrador Aboriginal Training Partnership Inc. (LAMP) to facilitate training opportunities for Aboriginal learners related to the construction phase of the Lower Churchill Project (LCP). Commitment of this funding allowed LAMP to leverage \$6.6M in federal funding through the Skills and Partnership Fund, through a separate agreement between LAMP and the federal government. The Provincial Government funded its contribution through its Labour Market Development Agreement allocation. This training strategy has been built on the base of 287 trainees including a minimum of 237 individuals in specified programs and support for a maximum of 50 individuals in general postsecondary programs at both public and private institutions from March 4, 2013 to March 31, 2015.

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<ul style="list-style-type: none"> The investment supports the delivery of labour market relevant training programs including: Construction Craft Worker, Occupational Health and Safety Fundamentals, Environmental Monitor, Rebar, Tower Steel Assembler, Cement Truck Driver, Commercial Transport/Cement Truck Driver, and potentially Scaffolding, Construction Craft Worker/Concrete Finisher and Carpentry; Training providers are awarded contracts using a Request for Proposal process. To date, 130 persons have availed of training in three programs, Construction Craft Worker, Occupational Health and Safety Fundamentals and Environmental Monitor. Additionally, 24 clients have received approval from LATP to enroll in various postsecondary programs. The Rebar program is currently underway with the reminder of the programs beginning on April 28, 2014 and June 2, 2014. <p>June 2019 – By August 2016, at least 1,100 individuals had obtained training, with 450 securing employment at the Muskrat Falls Project site. The Labrador Aboriginal Training Partnership (LATP) is now turning its efforts towards the Vale project site. As well, in September 2016, a maximum of \$3 million (over four years) was approved for the continuation of LATP and the LATP/Vale NL Aboriginal Employment Preparation Strategy.</p>
48	12.7 Employment outreach to Quebec Aboriginal communities	Nalcor	LAAO		<p>NL Gov Recognizing the priorities of the IBA and the Benefits Strategy, the Government of NL recognizes that Nalcor will take appropriate measures to meet its human resource requirements for the Project, and further recognizes that employment opportunities are open to Aboriginal people living in Quebec.</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- The Province recognizes the priorities of the IBA and Benefits Strategy and that Nalcor will take appropriate measures to meet its human resources requirements for the Project. However, the Adjacency Principle applies to the Project's employment and business opportunities for the life of the Project. Therefore, residents of Labrador will be given priority for employment and business opportunities. Quebec Aboriginal organizations will not be offered any specific employment benefits, but all employment opportunities are open to Aboriginal people living in Quebec. Nalcor will report quarterly on its employment outreach programs.</p> <p>May 2014- LCP provides quarterly reports on employment and business metrics to NR, as per the Benefits Strategy.</p> <p>June 2019- Monthly Benefits Reports have been prepared and published since January 2013 that present the person hours of employment by indigenous affiliation. The April 2019 report which includes the project to date, can be found at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/06/April-2019-LCP-Monthly-Benefits-Report-Final.pdf</p>
49	12.8 Quantitative targets for goods and services	Province	IBRD		NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation	<p>Nov. 2012- Nothing specific required from IBRD unless engaged by DNR in relation to IBA/Innu BA. IBRD is moving forward with the expansion of its Supplier Development Program. The committee tasked with implementation will liaise with the proposed Labrador Business Opportunities Committee (or similar) to identify collaborative initiatives that will maximize supplier development opportunities for provincial firms.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
					Fed Gov will work with the appropriate parties as required.	<p>May 2014- IBRD notes that the Labrador Business Opportunities Committee (Lower Churchill Project) has been formed. IBRD notes that there are no further changes to date.</p> <p>June/July 2019- Complete; TCII supported initiatives including the Northern Lights Conference and procurement initiatives with the St. Johns Board of Trade and Labrador North Chamber of Commerce. TCII has and continues to facilitate the implementation of strategies and initiatives to help NL businesses identify supply opportunities and consider procurement approaches that could enhance their capacity to bid on supply and service contracts. Monthly Benefits Reports have been prepared and published since January 2013 that present this type of information. The April 2019 report which includes the project to date, can be found at: http://musktratfalls.nalcorenergy.com/wp-content/uploads/2019/06/April-2019-LCP-Monthly-Benefits-Report-Final.pdf</p>
50	12.9 Enhances supplier development program	Nalcor	IBRD		<p>NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- IBRD is moving forward with the expansion of its Supplier Development Program. The committee tasked with implementation will liaise with the proposed Labrador Business Opportunities Committee (or similar) to identify collaborative initiatives that will maximize supplier development opportunities for provincial firms.</p> <p>May 2014- The Labrador Business Opportunities Committee (Lower Churchill Project) has been established. It currently includes representation from IBRD, Nalcor, Labrador North Chamber of Commerce and the St. John's Board of Trade. This collaboration will facilitate the implementation of strategies and initiatives to help NL businesses identify supply opportunities and consider procurement approaches that could enhance their capacity to bid on supply and service contracts. In January 2014, the Committee hosted a Reception at Northern Lights in Ottawa, ON to help facilitate discussions and partnership opportunities among NL companies and national and international players regarding Northern opportunities.</p> <p>June/July 2019- Complete; TCII supported initiatives including the Northern Lights Conference and procurement initiatives with the St. Johns Board of Trade and Labrador North Chamber of Commerce. TCII has and continues to facilitate the implementation of strategies and initiatives to help NL businesses identify supply opportunities and consider procurement approaches that could enhance their capacity to bid on supply and service contracts.</p> <p>Nalcor held six supplier development sessions across the province in 2011.</p>
51	12.10 Update quantitative targets at time of sanction	Nalcor	IBRD		<p>NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nothing specific required from IBRD unless engaged by DNR in relation to IBA/Innu BA. IBRD is moving forward with the expansion of its Supplier Development Program. The committee tasked with implementation will liaise with the proposed Labrador Business Opportunities Committee (or similar) to identify collaborative initiatives that will maximize supplier development opportunities for provincial firms.</p> <p>May 2014- IBRD notes that the Labrador Business Opportunities Committee (Lower Churchill Project) has been formed. IBRD notes that there are no further changes to date.</p> <p>June/July 2019- Complete; TCII supported initiatives including the Northern Lights Conference and procurement initiatives with the St. Johns Board of Trade and Labrador North Chamber of Commerce. TCII has and continues</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>to facilitate the implementation of strategies and initiatives to help NL businesses identify supply opportunities and consider procurement approaches that could enhance their capacity to bid on supply and service contracts.</p> <p>Monthly Benefits Reports have been prepared and published since January 2013 that present this type of information. The April 2019 report which includes the project to date, can be found at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/06/April-2019-LCP-Monthly-Benefits-Report-Final.pdf.</p>
52	12.11 Transparent bidding process	Nalcor	IBRD		<p>NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nothing specific required from IBRD unless engaged by DNR in relation to IBA/Innu BA. IBRD is moving forward with the expansion of its Supplier Development Program. The committee tasked with implementation will liaise with the proposed Labrador Business Opportunities Committee (or similar) to identify collaborative initiatives that will maximize supplier development opportunities for provincial firms.</p> <p>May 2014- IBRD notes that the Labrador Business Opportunities Committee (Lower Churchill Project) has been formed. IBRD notes that there are no further changes to date.</p> <p>June/July 2019- Complete; TCII notes that there are no further changes to date. TCII has and continues to facilitate the implementation of strategies and initiatives to help NL businesses identify supply opportunities and consider procurement approaches that could enhance their capacity to bid on supply and service contracts.</p> <p>Nalcor prepared a Lower Churchill Construction Project Benefits Strategy and has prepared a Monthly Benefits Reports since January 2013. Nalcor continues to facilitate the implementation of strategies and initiatives to help NL businesses identify supply opportunities and consider procurement approaches that present this type of information. The April 2019 report can be found at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/06/April-2019-LCP-Monthly-Benefits-Report-Final.pdf.</p>
53	12.12 Modifications to the Benefits Strategy	Nalcor Province	NR-Energy		NL Gov does not accept	<p>Nov. 2012- Complete</p> <p>June/July 2019- Nalcor is meeting its benefits commitments as noted in LCP quarterly reports on employment and business metrics to the NR, as per the Benefits Strategy, which are published on Nalcor's website.</p> <p>Benefits reporting process established as per 2010 Benefits Strategy. Nalcor submits monthly and quarterly benefits reports for Muskrat Falls on employment and business metrics which indicate Nalcor is meeting its benefits commitments. The reports are published on the Muskrat Falls website. Reporting commenced as of January 2013. Reports are available on the Muskrat Falls Website at http://muskratfalls.nalcorenergy.com/newsroom/reports/. The April 2019 report, which includes the project to date, can be found at: http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/06/April-2019-LCP-Monthly-Benefits-Report-Final.pdf</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
54	13.1 Sheshatshiu social effects mitigation	Nalcor Province Federal	HCS	LGH LAAO AES	NL Gov accepts intent Fed Gov agrees with intent and will work with appropriate parties as required	<p>Nov. 2012- No action to date.</p> <p>May 2014- Nalcor will be submitting a Socio-Economic Environmental Effects Mitigation Plan for the Lower Churchill Project to the Minister of Environment and Conservation. HCS will review the Plan submitted by Nalcor.</p> <p>September 2014- Socioeconomic environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. The objectives of this plan are to identify measures to mitigate adverse effects and enhance the benefits of the project for Aboriginal groups and residents, create opportunities for people in the region to participate in the project and thereby enhance wellbeing, and establish a role for the project as an active participant in the sustainability of communities in the region.</p> <p>May 2019- Received the socio-economic benefits 2018 report on May 29, 2019. Available at http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/06/December-2018-LCP-Monthly-Benefits-Report-Final.pdf.</p> <p>July 2019- The following reports for the socioeconomic environmental effects monitoring plan are available at: http://muskratfalls.nalcorenergy.com/environment/generation/:</p> <ul style="list-style-type: none"> • 2014 Socioeconomic Report (December 2014 Project Report) • 2015 Socioeconomic Report (December 2015 Project Report) • 2016 Annual Socioeconomic Benefits Report • 2017 Socioeconomic Report • 2018 Socioeconomic Report
55	13.2 Social effects needs assessment and research	Province	HCS	LGH AES LAAO	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- LGH is moving forward with an RFP to have a needs assessment completed for the Lower Churchill project and other megaprojects in Labrador</p> <p>May 2014- Originally it was planned that LGH would conduct a RFP to hire a consultant to do this work. Upon further consideration and review of the commitment, it was determined that this work could be done through the Department's research partners. The Department, consultation with LGH and MUN, will assess further.</p> <p>June 2019- HCS anticipates commencing work on this matter in Summer 2019</p>
56	13.3 Worksite measures to address addictions issues	Nalcor	HCS	LGH	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- No action required by Province. HCS and LGH will monitor addition-related demands on services.</p> <p>May 2014- HCS and LGH continue to monitor addiction-related demands on services.</p> <p>June/July 2019- HCS and LGH continue to work together to monitor access to mental health and addiction services in the region. Since 2016, there has been a 98.9% reduction in the number of people waiting for</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>counselling services in LGH with only a handful of people currently waiting. There are 12 Doorways locations offering rapid access to counseling in the region. Since Doorways began in August 2018, there have been over 3600 walk-in sessions.</p> <p>The Canadian Institute for Health Information, in 2017-18, noted there were 249 hospitalizations entirely caused by alcohol per 100,000 people in Canada. The average for Labrador-Grenfell Health for the same period was 507 hospitalizations per 100,000 people, far exceeding the national average. HCS and LGH continue to work to expand service options for all mental health and addiction issues, including an opioid dependency treatment hub in Happy Valley-Goose Bay and work towards the development of a provincial alcohol strategy.</p> <p>There are numerous avenues for basic counselling services as there are many different employment arrangements for the LCP, including:</p> <ul style="list-style-type: none">• Muskrat Falls Generation: All bargaining unit workers under the Muskrat Falls Generation Collective agreement are covered under the RDTC/NLBTC Members Trust MFAP (Member Family Assistance Program and Drug and Alcohol Program). For any unions under the RDTC that don't participate in this plan, they have their own EAP that their members have access to. Counselling services are part of this EAP.• Reservoir Clearing: The Labourers, Local 1208 are conducting all bargaining unit work for the reservoir clearing scope of work and this union has an EAP of their own that their members have access to. Counselling services are part of this EAP.• Transmission and Associated IBEW Work: The IBEW, Local 1620 has a Member Family Assistance Program through Homewood Health. Counselling services are part of this EAP.• Nalcor Energy Employees: All Nalcor Energy employees have access to the inConfidence Employee and Family Assistance Program through Shepell-fgi along with their medical benefits through Blue Cross.• SNC-Lavalin Employees: LCP Project Delivery Team members employed through SNC-Lavalin have access to the EFAP with Shepell-fgi along with their medical benefits. Counselling services are part of this EAP.• Innu Specific EFAP: In addition to the various EFAP's offered through unions/companies, there is an additional Employee and Family Assistance Program through Homewood Solutions that is available to all Innu workers associated with the LCP. This is an additional EFAP service that offers counsellors that can speak Innu Aimun.• Recruitment Agency Employees: There are a variety of team members on the LCP Project Delivery Team that are employed by Recruitment Agencies. Each of these agencies have different employment arrangements, however if employed as an employee of these agencies, they would have medical benefits and some may have EAP services of their own. <p>Aside from this, there are also numerous medical providers at each of the work sites with direct connectivity to medical professionals, Medical Review Officers, etc, along with the Occupational Health Nurse on staff for Nalcor team members. Nalcor also has a zero tolerance policy towards alcohol and other drug abuse at Muskrat Falls.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
57	13.4 Variety of work schedules	Nalcor	LRA		Gov NL accepts subject to IBA agreement with Innu Nation Fed Gov will work with the appropriate parties as required.	Nov. 2012- LRA noted that this is between NALCOR and the RDC (representing the employees). It will be resolved as noted below as part of the IBA or through the Collective Agreement negotiation. May 2014- Three separate Special Project Orders (SPO) were issued for the three components of the Muskrat Falls Project (Generating Station, Reservoir Clearing and Transmission Line) on June 17, 2013. The SPOs sanction the collective agreement for each component of the project. Each collective agreement contains language reflecting the hiring protocol, gender and diversity commitments and work schedules. All contractors working on the project are bound by the terms and conditions of the collective agreement. June 2019- The Special Project Orders will remain in effect until completion of all construction components of the project, at which time, regulations will be repealed.
58	13.5 Health and social services	Province	HCS	AES LGH	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	Nov. 2012- No action required by Province. Upon Project approval, HCS and LGH will monitor human resource needs and address project-related increases in the demand for health services. May 2014- HCS and LGH continue to monitor human resource needs and address project- related increases in the demand for health services. June/July 2019- Generally, based upon population dynamics, there would likely be an increase in demand for health care services. As outlined in the Project Wide Emergency Response Plan (approved by the Minister), Nalcor has provided on-site paramedic and emergency response facilities and services at accommodations complexes.
59	13.6 Capacity agreement with Happy Valley-Goose Bay	Province	MIGA	IBRD	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	Nov. 2012- On September 7, 2012 a letter was sent from the Town of Happy Valley-Goose Bay to the Associate Deputy Minister of Natural Resources requesting status of recommendations. A second letter from the Town reiterating its request re: the recommendations were sent to the Premier on October 30, 2012. In response, Ministers (MA, LA, TW) met with the Town on November 6, 2012 at which time a meeting was scheduled for November 14, 2012 with senior officials and the Town to discuss the establishment of baseline data on infrastructure capacity and use prior to the start of construction. Nothing specific required from IBRD unless engaged by MA and/or the proponent. May 2014- On April 11, 2014 the Premier met with the Mayor of Happy Valley-Goose Bay, along with the Minister of MIGA and the MHA for the Lake Melville District. At the noted meeting it was agreed that the Minister of MIGA and the Mayor would discuss the framework of a potential capacity agreement, with officials to subsequently negotiate the details. Senior Officials of MIGA and LAAO have prepared a decision note on May 16, 2014 for Cabinet Secretariat seeking direction to convey an offer to the Town of Happy Valley-Goose Bay. September 2015- A Capacity Agreement was signed with the Town on September 1, 2015. Under this agreement MAE provided \$750,000 (\$250,000 per year for 2015, 2016, and 2017) to the Town. This funding was

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						assist the town in building capacity and preparing for potential social and economic opportunities in the event of the development of the Gull Island Project.
60	13.7 Funding for infrastructure mitigation	Nalcor	MIGA	IBRD	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- On September 7, 2012 a letter was sent from the Town of Happy Valley-Goose Bay to the Associate Deputy Minister of Natural Resources requesting status of recommendations. A second letter from the Town reiterating its request re: the recommendations were sent to the Premier on October 30, 2012. In response, Ministers (MA, LA, TW) met with the Town on November 6, 2012 at which time a meeting was scheduled for November 14, 2012 with senior officials and the Town to discuss the establishment of baseline data to facilitate substantiation of any adverse impacts on infrastructure resulting from the Project. Nothing specific required from IBRD unless engaged by MA and/or the proponent.</p> <p>May 2014- The Senior Officials Working Group (SOWG) was formed in early 2013 in response to the recommendations stemming from the report of the JRP and is co-chaired by LAAO and the Town of Happy Valley-Goose Bay. The SOWG includes officials from MIGA, SNL, ENVC, and TW. Other departments and entities have been involved as required. In April 2013, the SOWG hired a consultant to complete a baseline data study that will be utilized to assist in determining impacts on the Town from the development of the Project. The report is intended to establish a baseline or benchmark for the Town and will provide the basis of future impact assessments related to the Lower Churchill Project. The baseline study was prepared to provide the SOWG with an assessment of existing infrastructure available in the Town to establish a baseline that may be used to measure impacts that the Project may have on the Town. A follow up report to the baseline study is planned for 2015 so that a comparison can be undertaken with the baseline report. This will determine whether adverse impacts have been identified and substantiated, and whether they are attributable to the Project, enabling further discussions around whether and what other resources might be required by the Town to offset those impacts. As noted for 13.6, Government is seeking direction on a capacity agreement with the Town.</p> <p>August 2018 – Nalcor announced an investment of \$1 million for the Labrador Wellness Centre Project in Happy Valley-Goose Bay.</p> <p>June/July 2019- Since 2015 MAE has approved 15 Capital Works projects with a total value of \$35 million and a provincial investment of over \$15 million for the Town. MAE has also engaged a consultant to complete a survey of the Town’s landfill to assess impacts of the Project on the expected lifespan of the landfilled, given increased commercial activity associated with the Project.</p>
61	13.8 Low-income housing strategy	Nalcor	NLHC	MIGA AES	NL Gov accepts Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- NL Housing Corporation has engaged with Nalcor and the initial discussion was centered around a strategy to limit the impact of the project on the broader housing market in the region (particularly concerning the labour intensive construction phase). Specifically Nalcor's strategy to ensure housing for employees and contractors while limiting the impacts on the broader community.</p> <ul style="list-style-type: none">• Nalcor was exploring the possibility of building work camps.

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<ul style="list-style-type: none">Nalcor was engaging with the Federal Department of National Defence concerning the possibility of the utilization of current properties. <p>NL Housing Corporation continues to support housing and supportive housing initiatives in the area and is working closely with the Community Advisory Board (CAB) on homelessness to identify and address homeless and “at-risk” populations.</p> <p>May 2014- NL Housing Corporation is currently engaged with a national consultant to conclude a study on homelessness across the province. HVGB is one of the areas that has been considered. It is expected that recommendations stemming from the report will be of benefit to homeless and at risk populations in that area. In 2014, NL Housing Corporation:</p> <ul style="list-style-type: none">Purchased 5 Grand Street in HVGB for a 6-unit 9-bed supportive living facility operated by Nunatsiavut with funding from the NL Housing Corporation. Extensive renovations began in 2017 and were completed in 2018.purchased 4 Mesher Street in HVGB and converted it to a 4-unit 6-bed supportive living facility assisting clients with complex needs. The facility is operated by Nunatsiavut with funding from the NL Housing Corporation.provided Nunatsiavut with two social housing units (6 beds) and operating funding to provide supportive housing services. <p>May 2015 – the NL Housing Corporation provided Nunatsiavut with two additional social housing units on Mesher Street and funding to operate supportive housing.</p> <p>April 2016 – the NL Housing Corporation provided funding under the federal/provincial Investment in Affordable Housing Program for the construction of four supportive housing units operated by Libra House with some case management assistance from Nunatsiavut.</p> <p>December 2016 - The Housing Hub, an eight bed homeless shelter operated by Nunatsiavut with funding from the NL Housing Corporation, opened.</p> <p>April 2019 - The province signed a nine-year agreement with the Federal Government under the National Housing Strategy that will see approximately \$270 million invested across the province to address low-income housing needs and homelessness through the expansion, repair, and preservation of social and community housing. This framework will continue to evolve and be implemented further. The National Housing Strategy has Federal targets that will aim to reduce homelessness in Canada, which will also be the case across Newfoundland and Labrador.</p> <p>June/July 2019- The NL Housing Corporation continues to support housing and supportive housing initiatives in the Happy Valley- Goose Bay area as well as other areas of Labrador. In addition, NL Housing Corporation uses a ‘Housing First’ approach to housing and homelessness and has strengthened homelessness prevention</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>through the development of an eviction prevention framework. This framework is evolving and being implemented by the NL Housing Corporation in its social housing portfolio. The NL Housing Corporation is currently finalizing an action plan with the Canadian Mortgage and Housing Corporation for how the first three years of National Housing Strategy funding will be delivered.</p> <p>The NL Housing Corporation has 83 social housing units and 1 private rental (the NL Housing Corporation provides a rent supplement) in Happy Valley- Goose Bay. There are currently 37 applicants on the waitlist in Happy Valley- Goose Bay and only 3 vacant units (being prepared for occupancy). Nalcor constructed the Muskrat Falls Accommodations Complex at Muskrat Falls to address housing demands. Additionally, 9 temporary camps were constructed for the construction of the ac transmission line and reservoir clearing.</p>
62	13.9 Possible requirement for consumption advisories in Goose Bay or Lake Melville	Nalcor	HCS	LGH LAAO	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action required by Province. HCS and LGH will work with Nalcor on consumption advisories if mercury assessment deem them to be necessary.</p> <p>May 2014- No action required by Province at this time. HCS and LGH will work with Nalcor on consumption advisories if mercury exposure and human health risk assessment deem them to be necessary.</p> <p>June 2019- No action required by Province at this time. HCS and LGH will work with Nalcor on consumption advisories if mercury exposure and human health risk assessment deem them to be necessary.</p>
63	13.10 Consumption advisory implementation	Nalcor Federal	HCS	LGH LAAO	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action required by Province. HCS and LGH will work with Nalcor and others on consumption advisory communications and implementation.</p> <p>May 2014- No action required by Province at this time. HCS and LGH will work with Nalcor and others on consumption advisory and communications and implementation if mercury exposure and human health risk assessment deem them to be necessary.</p> <p>June 2019- No action required by Province at this time. HCS and LGH will work with Nalcor on consumption advisories if mercury exposure and human health risk assessment deem them to be necessary.</p>
64	13.11 Human health and mercury monitoring	Nalcor Province Federal	HCS	LGH LAAO	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action to date.</p> <p>May 2014- Nalcor has submitted a Human Health Risk Assessment Plan to the Minister of ENVC which includes a plan to carry out baseline data collection, dietary survey and human biomonitoring.</p> <p>December 2015- Report on the Baseline Dietary Survey and Human Biomonitoring Program prepared and published and available at https://muskratfalls.nalcorenergy.com/wp-content/uploads/2015/12/Baseline-Dietary-Survey-Human-Hair-Sampling-Program-Report_Final_Dec2015.pdf.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>June 2016- Human Health Risk Assessment Plan approved by Minister on June 14, 2016. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/1305_human%20health_risk%20assessment_2016.p df A condition of this release was that: <i>Should downstream methylmercury monitoring identify the need for consumption advisories as a result of the project, Nalcor shall consult with relevant parties representing Lake Melville resource users. Based on the location of the consumption advisories these users could include Aboriginal Governments and organizations as well as other stakeholder groups. Following consultation, Nalcor shall provide reasonable and appropriate compensation measures to address the impact of the consumption advisory.</i> www.mae.gov.nl.ca/env_assessment/bulletins/Y2016/20160614.pdf</p> <p>October 2016- Final Baseline Human Health Risk Assessment received October 18, 2016.</p> <p>November 2018- Lower Churchill Hydroelectric Generation Project Supplementary Human Health Risk Assessment (HHRA) Technical Memo – Overview of HHRA Program Status and Supplementary Assessment of Potential Future Human Exposures and Risks Due to Methylmercury posted on Nalcor website available at http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/02/HHRA-Program-Memo-and-Suppl-Future-MeHg-Exp-and-Risk-Estimates-Nov-2018.pdf and provided to MAE.</p>
65	13.12 Dietary surveys	Nalcor	HCS	LGH LAAO	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- No action to date. HCS and LGH will work with Nalcor on dietary surveys should consumption advisory be required.</p> <p>May 2014- Nalcor has submitted a Human Health Risk Assessment Plan to the Minister of ENVC which includes a plan to carry out baseline data collection, dietary survey and human biomonitoring.</p> <p>December 2015- Report on the Baseline Dietary Survey and Human Biomonitoring Program prepared and published and available at https://muskratfalls.nalcorenergy.com/wp-content/uploads/2015/12/Baseline-Dietary-Survey-Human-Hair-Sampling-Program-Report_Final_Dec2015.pdf</p> <p>June 2016- Human Health Risk Assessment Plan approved by Minister on June 14, 2016. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/1305_human%20health_risk%20assessment_2016.p df A condition of this release was that: <i>Should downstream methylmercury monitoring identify the need for consumption advisories as a result of the project, Nalcor shall consult with relevant parties representing Lake Melville resource users. Based on the location of the consumption advisories these users could include Aboriginal Governments and organizations as well as other stakeholder groups. Following consultation, Nalcor shall provide reasonable and appropriate compensation measures to address the impact of the consumption advisory.</i> www.mae.gov.nl.ca/env_assessment/bulletins/Y2016/20160614.pdf</p> <p>October 2016- Final Baseline Human Health Risk Assessment received October 18, 2016.</p> <p>November 2018- Lower Churchill Hydroelectric Generation Project Supplementary Human Health Risk Assessment (HHRA) Technical Memo – Overview of HHRA Program Status and Supplementary Assessment of</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						Potential Future Human Exposures and Risks Due to Methylmercury posted on Nalcor website available at http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/02/HHRA-Program-Memo-and-Suppl-Future-MeHg-Exp-and-Risk-Estimates-Nov-2018.pdf and provided to MAE.
66	13.13 Research on mercury in country food	Province Federal	HCS	LGH LAAO	NL Gov accepts intent but notes that it should be included with proponent led 13.11 and 13.12 Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- No action to date. HCS and LGH will work with Nalcor on studies related to country food contamination and human exposure.</p> <p>May 2014- Nalcor has submitted a Human Health Risk Assessment Plan to the Minister of ENVC which includes a plan to carry out baseline data collection, dietary survey and human biomonitoring.</p> <p>December 2015 – Report on the Baseline Dietary Survey and Human Biomonitoring Program prepared and published and available at https://muskratfalls.nalcorenergy.com/wp-content/uploads/2015/12/Baseline-Dietary-Survey-Human-Hair-Sampling-Program-Report_Final_Dec2015.pdf</p> <p>June 2016- Human Health Risk Assessment Plan approved by Minister on June 14, 2016. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/1305_human%20health_risk%20assessment_2016.p df A condition of this release was that: <i>Should downstream methylmercury monitoring identify the need for consumption advisories as a result of the project, Nalcor shall consult with relevant parties representing Lake Melville resource users. Based on the location of the consumption advisories these users could include Aboriginal Governments and organizations as well as other stakeholder groups. Following consultation, Nalcor shall provide reasonable and appropriate compensation measures to address the impact of the consumption advisory.</i></p> <p>www.mae.gov.nl.ca/env_assessment/bulletins/Y2016/20160614.pdf</p> <p>October 2016- Final Baseline Human Health Risk Assessment received October 18, 2016.</p> <p>November 2018- Lower Churchill Hydroelectric Generation Project Supplementary Human Health Risk Assessment (HHRA) Technical Memo – Overview of HHRA Program Status and Supplementary Assessment of Potential Future Human Exposures and Risks Due to Methylmercury posted on Nalcor website available at http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/02/HHRA-Program-Memo-and-Suppl-Future-MeHg-Exp-and-Risk-Estimates-Nov-2018.pdf and provided to MAE.</p>
67	14.1 Emergency preparation for the possibility of a dam failure	Nalcor	FES	MIGA ENVC- WR	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- On September 7, 2012 a letter was sent from the Town of Happy Valley-Goose Bay to the Associate Deputy Minister of Natural Resources requesting status of recommendations. A second letter from the Town reiterating its request re: the recommendations were sent to the Premier on October 30, 2012. In response, Ministers (MA, LA, TW) met with the Town on November 6, 2012 at which time a meeting was scheduled for November 14, 2012 with senior officials including LA, MA, TW, SNL, FES and the Town to discuss noted issues.</p> <p>May 2014- The Lower Churchill Hydroelectric Generation Project Undertaking Order (NL Regulation 18/12) provides that Nalcor Energy shall prepare and abide by the requirements of emergency preparedness and response plans. Fire and Emergency Services – NL (FES-NL) is in receipt of an updated version Project-Wide Emergency Response Plan from Nalcor. FES-NL has reviewed the Plan and is in the process of finalizing a</p>

ENVC–WR now MAE-WR; ENVC-EA now MAE-EA; ENVC-PPD now MAE-PPD; LAAO now LAS or IAS; NR-Forestry now FLR; ENVC-Wildlife now FLR; AES now AESL; ENVC-PNA now FLR or TCII; MIGA now MAE- 35
MA; FES now MAE-FES; IBRD now TCII; TCR now TCII; CCEE now MAE-CC

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>date/time for a face to face meeting with Nalcor to discuss FES-NL feedback. This face to face meeting is a standard practice for FES-NL during the Plan review process. Although emergency preparation for the possibility of a dam failure is referenced in the Project-Wide Emergency Response Plan, there are further requirements of Nalcor to submit an Emergency Preparedness Plan to the Water Resources Management Division (WRMD) of ENVC prior to the construction of the upstream cofferdam and subsequent diversion of the Churchill River. Based on information from WRMD and the work schedule timeline from Nalcor, it is expected that the Emergency Preparedness Plan will be submitted to GNL in Q2 2015. Once this submission has been reviewed and undergoes any required edits, then WRMD, FES-NL and other emergency management partners will meet with downstream communities to discuss the Emergency Preparedness Plan, potential impacts and procedures that will be in place in the event of any issue with the integrity of the dam structure.</p> <p>July 2014- Emergency Preparedness and Response Plan approved by Minister on July 7, 2014. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>June/July 2019- The WRMD monitors a series of hydrometric, climate, and snow monitoring stations in the Churchill River Basin and uses the information collected for monitoring the river for annual spring runoff and ice breakup events. Details, including background and current data, are available at: www.mae.gov.nl.ca/waterres/flooding/lc_flood_warning.html. This instrumentation will also show changes in water levels due downstream of the project site.</p> <p>AESL would play a major role in providing Emergency Social Services (ESS) to residents. Recently, in May 2019, when water levels were being closely monitored, FES contacted AESL to ensure that AESL and its NGO partners (from an ESS perspective), was ready to respond in the event of an evacuation. AESL was also included in all email updates from FES regarding water level reports provided by WR.</p> <p>Nalcor held an Emergency Preparedness and Response Plan exercise with community representatives in upper Lake Melville. The exercise practiced the call out procedure and steps that would be followed during an emergency. The Emergency Preparedness and Response Plans for the Muskrat Falls Project have been available on the Muskrat Falls Project website since 2016 for winter headpond creation and February 2019 for full impoundment. http://muskratfalls.nalcorenergy.com/wp-content/uploads/2019/05/Emergency-Preparedness-Plan-Full-Supply-Level-at-Muskrat-Falls_Feb-2019-webposting.pdf</p>
68	14.2 Compensation for losses in the event of a dam failure	Province	JUS	MIGA FES	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- The Government of NL accepts the intent of this recommendation. However, it cannot require Nalcor to accept liability on a 'no fault' basis for any and all losses in the event one or all of the dams fail since it is possible that others, besides Nalcor, may be responsible. Government will ensure that all dams are regularly inspected and maintained by Nalcor and that Nalcor has insurance in place as per industry standards. Government will respond to any losses as appropriate but policy decisions may have to be made by Government to limit or control the remoteness of the damages which could be compensated in order to provide some control over indeterminate liability. Strict liability will raise both commercial and policy issues for Nalcor and Government. Innu Nation comments – supports the recommendation with respect to the “no fault” nature of the insurance.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>May 2014- Justice indicates that there are no changes to note.</p> <p>June 2019- Justice indicates that there are no changes to note.</p>
69	14.3 Seismic testing	Nalcor	NR-Energy		<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nalcor notes that this recommendation incorporates standard practices related to reservoir management. Nalcor will follow this practice.</p> <p>May 2014- NR notes that there have been no changes.</p> <p>June/July 2019- Nalcor informs NR that the authorized impoundment period is July 15 to September 30 and that seismic testing is part of Nalcor's on-going monitoring program. Reference to seismic monitoring are included on slide 26 and 27 here: https://musktratfalls.nalcorenergy.com/wp-content/uploads/2017/01/North-Spur-Information-Session-Presentation_Jan-2017_Website-posting.pdf. Monitoring includes:</p> <ul style="list-style-type: none"> • 30 survey monuments to measure structure movement, • 65 piezometers to measure water pressure changes within structures and confirm water tightness and effectiveness of drainage systems, • flow weirs to measure seepage through infrastructure, • inclinometers to measure movements or displacement on the slopes of the North Spur, • an extensometer to measure foundation movement on the South Transition Dam, • thermistors to measure concrete temperature during the curing process, and • an accelerometer to measure seismic acceleration on the North Dam. <p>Nalcor released a public notification on July 10, 2019, which served as the one-month notification to the anticipated start of impoundment. However, the impoundment start date has not been finalized but will be communicated publicly as the start of impoundment approaches. Seismic monitoring equipment has been installed and is currently being utilized.</p>
70	15.1 Authorizing regulation	Province	ENVC-EA	ENVC-Wildlife ENVC-WR SNL FES MIGA	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Complete – Gazetted on March 16, 2012. See Lower Churchill Hydroelectric Generation Project Undertaking Order (OC 2012-061) under the Environmental Protection Act.</p> <p>WRMD provided input for the Lower Churchill Hydroelectric Generation Project Undertaking Order under the Environmental Protection Act (OC 2012-061).</p>
71	15.2 Federal-provincial joint regulatory plan	Province Federal	ENVC-EA	ENVC-Wildlife ENVC-WR	<p>NL Gov accepts intent</p> <p>Fed Gov agrees with intent but notes the</p>	<p>Nov. 2012- ENVC to continue collaborating with federal regulatory agencies to coordinate compliance and inspection activities. Nalcor has submitted a (Project Wide) P-WEPP to EA Division who coordinated review with both prov-fed agencies and returned to Nalcor for revisions. EPP for access road and camp construction only approved (work this year). WRMD provided input for the review of EPP submitted by Nalcor.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
				SNL MIGA	Province's EPP will ensure compliance	<p>February 2013- EPP Approved by Minister on February 7, 2013. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p> <p>May 2014- There have been no changes to date.</p> <p>2014- Regulatory Compliance Plan approved. Posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html</p>
72	15.3 Long-term funding for environmental management from Nalcor	Nalcor	NR- Energy Policy	ENVC- WR	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nalcor has included funding in its construction budget for environmental monitoring activities. Operating budget allocations will be made on an annual basis as part of Nalcor's operating budget setting process.</p> <p>May 2014- No action has been required to date.</p> <p>June/July 2019- Nalcor informs NR that it continues to budget for ongoing environmental management of the project and it will be included in operating and management expenses as project transitions to operations. Environmental Management activities are publically reported annually in Nalcor's Energy Sustainability Report. Latest update from Nalcor was included in the 2017 Sustainability Report (https://nalcorenergy.com/wp-content/uploads/2018/09/Sustainability-Report-2018-FINAL.pdf)</p>
73	15.4 Long-term funding for environmental management from government departments	Province Federal	FIN	ENVC- Wildlife ENVC- WR ENVC-EA IBRD	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nothing specific required from IBRD unless engaged by FIN or other department.</p> <p>May 2014- No action has been required to date.</p> <p>July 2019- Base funding for environmental management, including those for regulatory and permitting agencies, exists within relevant line Department budgets.</p>
74	15.5 Lower Churchill Project Monitoring and Community Liaison Committee	Province Nalcor	ENVC-EA	ENVC- Wildlife ENVC- WR LAAO MIGA IBRD	<p>NL Gov accepts intent</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Lower Churchill Hydroelectric Generation Project Undertaking Order (OC 2012-061) Section 4(k) requires Nalcor Energy to establish an Environmental Monitoring and Community Liaison Committee to provide feedback to government. Nalcor to announce committee appointed soon. WRMD has not been involved in the LCP Monitoring and Community Liaison Committee Nalcor has made a public commitment to the region to establish a CLC. In addition, the provincial government's responses 15.1 and 15.5 to the Joint Review Panel (JRP) recommendations stated it accepts the intent of the JRP's recommendation to establish a CLC. The purpose of the CLC is to promote open communication with area stakeholders and provide them with an avenue to bring forward feedback on community, environmental, economic or other matters relating to the development Project. The CLC will facilitate communication between Nalcor and area residents, Aboriginal groups, municipal representatives, and community stakeholders. The CLC will consist of up to 13 members representing various stakeholder groups from the Upper Lake Melville region. The CLC is an advisory group that provides feedback, knowledge, and suggestions to Nalcor on project-related issues. It will not be a decision making forum, and the CLC will interact with Nalcor in relation to the Project. Nalcor has prepared a draft Terms of Reference which establishes the membership, objectives, roles and responsibilities of the CLC. Community and Aboriginal</p>

ENVC-WR now MAE-WR; ENVC-EA now MAE-EA; ENVC-PPD now MAE-PPD; LAAO now LAS or IAS; NR-Forestry now FLR; ENVC-Wildlife now FLR; AES now AESL; ENVC-PNA now FLR or TCII; MIGA now MAE- 38
MA; FES now MAE-FES; IBRD now TCII; TCR now TCII; CCEE now MAE-CC

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>community members will be invited through a letter to their respective town and organization. Members-at-Large will be invited through a public and advertised Expression on Interest (EOI) process. The EOI has been sent out with a deadline of December 3, 2012 for interested parties to submit their applications. The intention is to hold the first CLC meeting before the end of 2012. Nothing specific required from IBRD unless engaged by ENVC and/or the proponent.</p> <p>May 2014- ENVC notes that a committee has been established by Nalcor.</p> <p>2016- Copy of committee minutes available at https://muskratfalls.nalcorenergy.com/in-the-community/community-liaison-committee/</p> <p>June/July 2019- Nalcor states that meetings with community and Indigenous stakeholders are held quarterly and notes that when the CLC was active there was no regular participation on the CLC from Labrador Indigenous groups. Stakeholders include:</p> <ul style="list-style-type: none"> • Town of Happy Valley – Goose Bay • Mud Lake • North West River • Innu Nation • NunatuKavut Community Council • Nunatsiavut Government • Chamber of Commerce • MHAs <p>Other meetings and presentations are provided to the following stakeholders:</p> <ul style="list-style-type: none"> • Combined Council of Labrador • Rotary • Labrador Aboriginal Training Partnership
75	15.6 Project-specific effects monitoring programs	Nalcor Federal	ENVC-EA	ENVC-Wildlife ENVC-WR AES IBRD	NL Gov accepts intent Fed Gov accepts but notes it falls under the Province to monitor	<p>Nov. 2012- Nothing specific required from IBRD unless engaged by ENVC and/or the proponent. The systematic approach outlined is to ensure that the results of the monitoring programs have public credibility and scientific relevance. Nalcor is to submit monitoring programs before commencement of activity affects subject matter. WRMD continues to operate, in partnership with Nalcor and Environment Canada, Real Time Water Quality monitoring stations within the Churchill River watershed at the following locations: a) Churchill River below Metchin River, b) Churchill River below Grizzle Rapids, c) Churchill River above Muskrat Falls, d) Churchill River below Muskrat Falls, e) Churchill River at English Point, and f) Lake Melville. This data is available on the ENVC website.</p> <p>May 2014- ENVC notes that EEMP is currently under EA Review</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						<p>April 2014 to June 2016- Various environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. Only outstanding plan is for wetland and riparian habitats.</p> <p>July 2017- Draft wetland and riparian plan submitted to government by Nalcor Energy.</p> <p>May 2019- Draft plan submitted Nalcor Energy. Currently under review by multiple departments, including the FLR-WD, MAE-WRMD, and Environment and Climate Change Canada.</p> <p>June/July 2019- Plan revised based on technical feedback and re-submitted. Currently under review by multiple departments, including FLR-WD, MAE-WRMD, and Environment and Climate Change Canada, and provided to indigenous groups as per the Aboriginal Consultation Guidelines.</p> <p>Environmental Effects Monitoring Plan and permits are provided to indigenous groups for review and comment as outlined by the Aboriginal Consultation Guidelines. Annual and final reports for the various environmental effects monitoring programs are available at: https://muskratfalls.nalcorenergy.com/environment/generation/.</p>
76	15.7 Adaptive management	Nalcor Federal	ENVC-EA	ENVC-Wildlife ENVC-WR	<p>NL Gov accepts intent but notes that it may not be able to complete all elements</p> <p>Fed Gov accepts but notes it falls under the Province's mandate</p>	<p>Nov. 2012- Nothing specific required from IBRD unless engaged by ENVC and/or the proponent. The systematic approach outlined is to ensure that the results of the monitoring programs have public credibility and scientific relevance. Nalcor is to submit monitoring programs before commencement of activity affects subject matter. WRMD continues to operate, in partnership with Nalcor and Environment Canada, Real Time Water Quality monitoring stations within the Churchill River watershed at the following locations: a) Churchill River below Metchin River, b) Churchill River below Grizzle Rapids, c) Churchill River above Muskrat Falls, d) Churchill River below Muskrat Falls, e) Churchill River at English Point, and f) Lake Melville. This data is available on the ENVC website.</p> <p>May 2014- ENVC notes EA has no update on this activity</p> <p>April 2014 to June 2016- Various environmental effects monitoring plan approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010/1305/index.html. Only outstanding plan is for wetland and riparian habitats.</p> <p>July 2017- Draft wetland and riparian plan submitted to government by Nalcor Energy.</p> <p>May 2019- Draft wetland and riparian habitats plan submitted Nalcor Energy.</p> <p>June/ July 2019- Plan revised based on technical feedback and re-submitted. Currently under review by multiple departments, including FLR-WD and MAE-WRMD and provided to indigenous groups as per the Aboriginal Consultation Guidelines.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
						All Environmental Effects Monitoring Plan and permits are provided to indigenous groups for review and comment as outlined by the Aboriginal Consultation Guidelines. Where appropriate adaptive management has been implemented (e.g., moose EEM study, species at risk EEM study, aquatic EEM study). Annual and final reports for the various environmental effects monitoring programs are available at: https://muskratfalls.nalcorenergy.com/environment/generation/ .
77	15.8 Complaints resolution	Nalcor	ENVC-EA	ENVC-WR	NL Gov accepts intent Fed Gov will work with the appropriate parties as required.	<p>Nov. 2012- This recommendation is directed to Nalcor Energy. Any complaints resolution process should be left to Nalcor to develop and implement. Community Liaison Committee could also address this matter.</p> <p>May 2014- ENVC notes EA has no update on this activity.</p> <p>2016- Copy of Community Liaison Committee minutes available at https://muskratfalls.nalcorenergy.com/in-the-community/community-liaison-committee/</p> <p>June/July 2019- Nalcor states that meetings with the same stakeholders are held quarterly. Stakeholders include:</p> <ul style="list-style-type: none"> • Town of Happy Valley – Goose Bay • Mud Lake • North West River • Innu Nation • NunatuKavut Community Council • Nunatsiavut Government • Chamber of Commerce • MHAs <p>Other meetings and presentations are provided to the following stakeholders:</p> <ul style="list-style-type: none"> • Combined Council of Labrador • Rotary • Labrador Aboriginal Training Partnership <p>Nalcor communicates monthly with stakeholders regarding construction activities. Stakeholders are encouraged to contact Nalcor via phone, email, or face-to-face at the MF office in Happy Valley-Goose Bay. Request for information and stakeholder feedback are actioned by members of the LCP Project team and communicated back to stakeholders.</p>
78	15.9 Environmental review in the event that construction of the second	Province Federal	ENVC-EA		Gov NL does not accept Fed Gov does not accept	Nov. 2012- Complete

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

Joint Review Panel Recommendations		Directed to	Lead Dept.	Other Depts.	Comments	Status
	generation facility is delayed					
79	15.10 Local hiring for environmental management work	Nalcor	NR-ER	AES	<p>NL Gov accepts intent subject to IBA and benefits agreement with Innu Nation</p> <p>Fed Gov will work with the appropriate parties as required.</p>	<p>Nov. 2012- Nalcor recognises the benefits of hiring local personnel to the community and to the Project. Where possible, Nalcor will hire qualified local residents to undertake environmental management activities. Any construction activities for mitigation projects would be addressed by the Benefits Strategy for the Project, which will be supported by Nalcor.</p> <p>May 2014- Nalcor recognises the benefits of hiring local personnel to the community and to the Project. Where possible, Nalcor is hiring qualified local residents to undertake environmental management activities. Any construction activities for mitigation projects would be addressed by the Benefits Strategy for the Project, which will be supported by Nalcor.</p> <p>November 2014- Gender Equity and Diversity Program (also referred to as Women's Employment Plan) approved by Minister and posted online at: www.mae.gov.nl.ca/env_assessment/projects/Y2010_/1305/index.html</p> <p>June/ July2019 – AESL encourages the hiring of local apprentices through the Apprenticeship Wage Subsidy Program. This program provides a wage subsidy to employers who hire apprentices. This program supports apprentices across all levels – First, Second, Third and Fourth year and provides a wage subsidy of 75 per cent, to a maximum of \$14 an hour, for all apprentices funded under the program, and is paid directly to the employers who hire the apprentice.</p> <p>AESL also provides \$200K yearly in annual funding to support the Office to Advance Women Apprentices. This program provides support to females to commence and maintain a career in the skilled trades. OAWA also administers a wage subsidy to support hiring of females in NL.</p> <p>AESL regional staff continue to support workers in Labrador in completing job applications on the MuskraftFallsJobs.com site as required, which would include posted positions specific to environmental management. Nalcor releases monthly reports which are available on their website, outlining employment and recruitment activities: https://muskraftfalls.nalcorenergy.com/newsroom/reports/. Nalcor's quarterly reports on employment and business metrics to NR indicate Nalcor is meeting its benefits commitments, as per the Benefits Strategy, which are published on Nalcor's website. Monthly Benefits Reports have been prepared and published since January 2013 can be found at: http://muskraftfalls.nalcorenergy.com/wp-content/uploads/2019/06/April-2019-LCP-Monthly-Benefits-Report-Final.pdf.</p> <p>Given the legislated mandate of AESL, these initiatives reflect ongoing work of the department that are available to the larger community of provincial citizens, and are not specific to the Joint Review Panel.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

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						<p>Nalcor's LCP monthly and quarterly reports on employment and business metrics to NR indicate Nalcor is meeting its benefits commitments, as per the Benefits Strategy, which are published on Nalcor's website.</p> <p>As per the 2010 Benefits Strategy there is a hiring protocol for all positions on the project which requires priority for qualified local residents (which would include environmental management work):</p> <p>Hiring Protocol: <u>Muskrat Falls Generation:</u> <ol style="list-style-type: none"> 1. Qualified members of Innu Nation 2. Qualified residents of Labrador who are members of the RDTC affiliated unions 3. Qualified residents of Labrador 4. Qualified residents of the Island of Newfoundland who are members of the RDTC affiliated unions 5. Qualified residents of the Island of Newfoundland <u>Transmission for the HVac transmission line between Muskrat Falls and Churchill Falls:</u> <ol style="list-style-type: none"> 1. Qualified members of Innu Nation 2. Qualified residents of Labrador 3. Qualified residents of the Island of Newfoundland <u>Transmission for the HVde transmission line between Muskrat Falls and Soldiers Pond:</u> <ol style="list-style-type: none"> 1. Qualified members of Innu Nation for work in Labrador 2. Qualified residents of Newfoundland and Labrador </p> <p>According to Nalcor, all contracts for the Project clearly state that all contractors and their sub-contractors must adhere to the Benefits Strategy. The benefits reports break out employment by National Occupational Classification (NOC) code but do not provide details on specific job titles or categories. Reports are available on the Muskrat Falls Website at http://muskratfalls.nalcorenergy.com/newsroom/reports/</p>
80	15.11 Government response to Panel report	Province Federal	ENVC-EA		NL Gov accepts Fed Gov accepts	Nov. 2012- Complete
81	15.12 Decommissioning	Nalcor	ENVC-WR		NL Gov does not accept Fed Gov does not accept	Nov. 2012- Complete
82	16.1 Regionally integrated cumulative effects assessment	Province	ENVC-EA	LAAO ENVC-Wildlife/ LM/PNA/	NL Gov accepts intent	<p>Nov. 2012- EA Division to participate in workshops on cumulative effects assessment.</p> <p>February 2013- Provincial cumulative effects workshop held.</p>

Responsibility Matrix and Status of Recommendations of the Joint Review Panel

July 11, 2019

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				WR MA	Fed Gov will work with the appropriate parties as required.	<p>March 2013- Environment Canada offered workshop on limits and thresholds. Agenda included: Regional planning (including the concept of targets) in Labrador; Introduction to ALCES; Alberta case study; and Labrador scenario analysis methodology.</p> <p>June 2019- The Province has and continues to participate on the Canada Council of Ministers of the Environment (CCME) Cumulative Effects Working Group. Current and recent projects, including those in Labrador, that require the level of assessment as an Environmental Impact Statement include consideration of cumulative effects in the issued guidelines (e.g. Foxtrot Rare Earth Element Mine - www.mae.gov.nl.ca/env_assessment/projects/Y2017/1936/1936%20EIS%20Guidelines%20July%202018.pdf; Kami Iron Ore Project - www.mae.gov.nl.ca/env_assessment/projects/Y2011/1611/1611_Kami_Iron_Ore_Project_EIS_GL_Final.pdf).</p>
83	16.2 Establishment of protected areas	Province	ENVC-PNA	ENVC-Wildlife	NL Gov does not accept	Nov. 2012- Complete