

BC Hydro Integrated Resource Plan: Indigenous Nations Consultation

North region

Virtual meeting – June 22, 2021

First Nation / Organization

Alison Thompson	Kitselas First Nation
Andrew McLaren	B.C. First Nations Energy and Mining Council
Bill Blackwater	Kispiox Watershed Gitxsan Chiefs
Catherine Piedt	Halfway River First Nation
Roslyn Notseta	Halfway River First Nation
David Benton	Gitgaat First Nation
Tania Solonas	McLeod Lake Indian Band
Roger Harris	Saulteau First Nations
Mark Starlund	Gitanyow Economic Development Corporation
Sandra Luke	Ktunaxa Nation Council
Sean Brennan	Haida Nation
Roger Sullivan	Tsetsaut / Skii km Lax Ha Nation
David Try	Kitselas First Nation
Rena Jack	Tsideldel First Nation
Delbert Good	Gitanyow Band
Darryl Ryan	Mid Skeena Watershed Gitxsan Chiefs
Mark Blom	B.C. First Nations Energy and Mining Council
Kirsten Chapman	Nadleh Whut'en First Nation

BC Hydro Representatives

Presenters	Bill Clendinning, Director, Energy Planning Charlie Weiler, Indigenous Relations Senior Negotiator
BC Hydro Indigenous Relations	Carolyn Stock, Pascale Mera, Ian Wong, Celine Lee, Alison Hall, Nubia Budau (Integrated Planning)
Notetakers	Lyndsey Stark; Anne Pigott
Tech Support	Taruni Singh (IT)

Independent Facilitator

Cheryl Brooks	Indigenuity Consulting Group
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Summary of presentations

Welcome and Introductory Remarks

The workshop began with Charlie Weiler acknowledging the traditional territory and holding a moment of silence for the 215 burial sites found at the former Kamloops residential school. All participants introduced themselves and Bill Blackwater offered a prayer and greetings.

After introductions and discussing virtual meeting tools and etiquette, Cheryl Brooks, the facilitator, explained the agenda:

- Overview and recap: Integrated Resource Plan
- What we heard during Phase One
- Discussion: Reviewing the Draft Plan – do items align with your values and interests?
- Discussion: BC Hydro and UNDRIP– gathering your input
- Wrap up and next steps

Cheryl also noted that BC Hydro will take notes and circulate a summary of the meeting in the next couple of weeks. Comments in the meeting summary won't be attributed to individual participants.

Due to the interest in the UN Declaration on the Rights of Indigenous Peoples (UNDRIP) in the first round of consultation on the IRP, BC Hydro included an agenda item to seek input on BC Hydro's plan to implement UNDRIP. A summary of themes from the input received on this topic is captured at the end of this document after the section on the Integrated Resource Plan.

BC Hydro presentation on the Integrated Resource Plan (IRP)

Before presenting the draft IRP Bill Clendinning and Charlie Weiler addressed the following topics:

- What is an IRP
- Where we are in the schedule of developing the IRP
- A recap of some major themes from the input received from the first round of consultation
- How BC Hydro developed its draft IRP
- An overview of the concepts of energy and capacity

Bill Clendinning presented the IRP load resource balance showing when we expect to need future resources to meet demand and answered questions on this topic. Following that Bill presented the elements of the draft IRP. After each element of the plan was presented Bill paused and Cheryl facilitated discussion on that specific element. The elements of the draft IRP that were presented and discussed in the workshop are:

- Energy Conservation
- Voluntary Time of Use Rates
- Renewing expiring Electricity Purchase Agreements
- Transmission Upgrades
- Future Resources
- Small Plants
- Planning for the unexpected

The PowerPoint presentation from the workshop is attached to this summary.

Summary of Participant Input

The following is a summary of what BC Hydro heard from Indigenous Nation representatives during the workshop. The purpose of this summary is to capture themes from the feedback received from participants attending the workshop and help BC Hydro consider the alignment between the draft plan and Indigenous interests. Please let us know if you have further questions or information requests regarding the IRP or anything arising from this summary.

Overview and recap: Integrated Resource Plan

- A participant wanted to know if their feedback provided through the IRP consultation sessions will be considered in the final IRP.
- One participant made a general comment that they would like this conversation to take place with an ethics committee as they see many ethical questions that need to be answered on the topic of IRP and reconciliation. They voiced that there's currently not a good understanding of what reconciliation means to Indigenous people.

What we heard during Phase One

- A participant commented that phase one of IRP consultation was completed prior to provincial UNDRIP legislation. In light of this progress, they recommended updating references in the presentation deck and draft plan from "implementing UNDRIP" to "supporting the Declaration on the Rights of Indigenous Peoples Act (DRIPA)".
- Another participant made a recommendation to update wording in the list of planning objectives identified in phase one of consultation from "support the growth of BC Hydro's economy" to "include Indigenous people in the growth of B.C.'s economy".

Load Resource Balance

The load resource balance shows when BC Hydro expects to need more resources by comparing BC Hydro's forecast of future electricity demand against resources, we know we have in place to meet future demand. It also shows the range of uncertainty in BC Hydro's forecasts (i.e. future demand may be higher or lower than expected).

The following are some of the areas of inquiry during the discussion of the load forecast:

- Several participants inquired about the accuracy of the 2013 load forecast and how close it was to the actual load.
- A participant was interested in understanding how Site C impacted capacity in the load forecast graph.
- A participant was interested in how the load forecast graph is broken down by region, specifically the north.

- A participant wanted to understand how energy exports to the US is considered in the load forecast graph and if exports are considered through planning.
- A participant was interested in whether BC Hydro is sure the load forecast will continue to increase.
- A participant inquired why the chart appears to show the load forecast drop off in 2030 and if this meant existing infrastructure would be taken offline or less water would be available due to climate change.
- A comment was put forward about climate forecast models showing B.C. as warmer and dryer in the future followed by a question about if that had been considered in load forecast.

Reviewing the Draft Plan – BC Hydro asked: does this align with your values and interests? What other feedback do you have?

Energy conservation programs:

- A participant was interested in the steps BC Hydro takes to conserve electricity lost during the transmission and distribution of electricity on power lines. They asked if it would be cheaper to capture lost energy than to build new infrastructure. High Voltage Direct Current was suggested as an option to consider.

Voluntary rates and supporting programs:

- A participant noted that charging a premium for peak times via voluntary time varying rates may not be suitable in the north as opposed to someone who lives in more moderate climate in the south. They commented that this was discussed during phase one of consultation and they wanted to understand how this feedback has been incorporated into the draft plan.
- A participant commented that they wanted to see access to more equitable rate options across the province. They weren't sure if voluntary time varying rates model will address this. They noted that remote and northern areas see greater temperature extremes and may have less flexibility during off peak hours. The concern is that northern customers could be at a greater risk of higher rates than southern customers.
- A participant wanted to know if utility scale batteries are available now. Another participant was interested if they could be used at the individual residences to assist in time of day usage rates.

Renewing Electricity Purchase Agreements (EPAs)

- A participant was interested in comparing a scenario in which all 50 EPAs were renewed versus only investing in BC Hydro's existing infrastructure and which option would help bridge the demand gap in 2040. It was advised that BC Hydro would not fully choose one option or the other, but a combination of many factors would need to be considered. BC Hydro indicated that if all EPAs were renewed, we would still not address the gap by 2041.

- It was recommended that BC Hydro be transparent with Indigenous Nations as they need to understand what EPAs BC Hydro may consider and what the anticipated timelines are so they can make necessary plans and support their business development interests.
- A participant commented that the IRP is not incorporating enough lead time for future geothermal projects. Geothermal has a 3 to 10-year build period and they're concerned geothermal is not explicitly mentioned in the IRP, which spans 20 years. If it's not considered in the current IRP, geothermal will not be available to help meet the load forecast gap.

Transmission system upgrades

- A participant was interested in the plan for the transmission lines to move electricity to the northwest coast to support LNG development. They noted expanding the system between Prince George and Terrace had been discussed in phase one of the IRP.
- Another participant questioned why northern connector projects weren't included in this plan.

Future resources

- No comments were received during this part of the presentation, however there was related feedback during discussion on other aspects of the plan.

Small BC Hydro plants

- A participant expressed interest in whether the small plants can be expanded and if so by how much.
- A participant inquired whether it's possible to move any of the plants off the grid to serve local customers and avoid any overhead charges to make them more economically viable.

Planning for the unexpected

- A participant voiced that UNDRIP specifically addresses the right of Indigenous Nations to take part in the economy and they were concerned about the impacts of discontinuing the Standing Offer Program on economic opportunities. They further detailed that the north region was previously excluded from participating in the program due to regional pricing and they were concerned this will continue for any future opportunities. It was noted that there are challenges with planning when small producers are looking for price signaling from BC Hydro.
- A participant commented that they see the variables outlined as being bigger than the IRP itself. For example, if the carbon tax changes, the load forecast could change substantially and quickly as electrification takes place. They see a disconnect between the Provincial government's priorities and Crown Corporations' priorities.
- A participant commented that it's not clear how Independent Power Producers are more expensive than the construction of the Site C project.

- A participant commented that they had noticed renewable energy plans aren't part of the IRP contingency plans. The participant suggested that BC Hydro may need to put a call out for renewable energy projects in the future but that Indigenous communities need information earlier in order to prepare and this should be reflected in BC Hydro's contingency plans in order to provide opportunity rather than barriers for Indigenous communities through the IRP process.
- A participant responded to a comment from BC Hydro to identify unintentional bias which they saw as prioritizing rate payers over Indigenous interests when it comes to including geothermal projects in contingency plans. They noted other countries are shifting away from hydroelectricity to geothermal and it is in the best interest of BC Hydro's customers to explore geothermal.
- A participant commented that if renewable energy projects are not built into the contingency plans, Indigenous Nations won't be positioned to respond if there's a call for projects by BC Hydro in the future and demand will instead be met by government funded projects like Site C. It was suggested that economic opportunities for Indigenous Nations should be considered now.
- A participant inquired if the IRP is likely to change when the Province publishes its hydrogen strategy as it takes a lot of electricity to produce hydrogen power.

Follow up

A participant asked for resources on how to calculate the efficiency of electric heating options in comparison to generation types:

<https://www.bchydro.com/powersmart/residential/building-and-renovating/considering-heat-pump-info-tips.html>

For Canadian based information (more detailed):

<https://www.nrcan.gc.ca/energy-efficiency/energy-star-canada/about/energy-star-announcements/publications/heating-and-cooling-heat-pump/6817>

Participants also asked to review the 2013 IRP document:

<https://www.bchydro.com/toolbar/about/planning-for-our-future/irp/current-plan/document-centre/reports/november-2013-irp.html>

A participant asked for a link to the BCUC website as part of an inquiry regarding Indigenous participation. Participants were advised that they could register as an intervenor. Here is a link to the BCUC website:

<https://www.bcuc.com/ApplicationView.aspx?ApplicationId=790>

A participant asked if the Fort Nelson area is part of the Integrated Resources Plan (IRP) and was advised it has its own integrated planning process which is not currently taking place:

[2013 IRP Appendix 2E: Fort Nelson Supply and Electrification of the Horn River Basin Resource Plan Analysis Details](#)

A participant is looking for information on supply options in the north to support new customer connections for 15 MW projects.

- The link to our Resource Options Update (draft summary) is here: <https://www.bchydro.com/content/dam/BCHydro/customer->

[portal/documents/corporate/regulatory-planning-documents/regulatory-matters/rou-draft-results-gen-supply-side-options-v01.pdf](https://www.bchydro.com/portal/documents/corporate/regulatory-planning-documents/regulatory-matters/rou-draft-results-gen-supply-side-options-v01.pdf)

- This summary presents the range of expected unit costs for all supply resources currently under consideration for this IRP.
- In general, one can find information relevant to ~15 MW clean energy projects on slides 24-25 (distributed solar), and in parts of slides 40-44 where you can find information that relates broadly to run of river, biomass and geothermal resources, some of which are at a ~15 MW scale.
- A final summary will be included in the final IRP

Summary and Wrap-up

Charlie Weiler thanked participants for attending the workshop and reminded audience of the next steps in the consultation process:

- BC Hydro will circulate meeting summary for your review and comment
- BC Hydro respectfully asks for your comments and input for this phase of consultation by **July 31, 2021**
- The final IRP will be filed with the BCUC by December 31, 2021
- A Consultation summary report will be sent to you and included in the filing with the BCUC

Additional input can be provided through the following means:

- Please take the survey: <https://bchydro.civilspace.io/en/projects/clean-power-2040/engagements/irp-phase-2/sections/1>
- Provide input by emailing CP2040.Indigenous@bchydro.com
- Call us at 1-877-461-0161 (extension 3) if you have any questions

Reconciliation and Implementing the United Nations Declaration of the Rights of Indigenous Peoples in BC Hydro's business

In the first round of consultation on the IRP there was a high level of interest in how BC Hydro will implement the United Nations Declaration on the Rights of Indigenous Peoples ("UNDRIP" or the "Declaration") in its business. As result the second round of regional workshops on the IRP also had an agenda item to seek Indigenous input into the development of an UNDRIP implementation plan for BC Hydro and it plans to implement UNDRIP into its business.

Participants in the IRP consultation sessions were asked for their input on five themes that BC Hydro believes relate to UNDRIP and BC Hydro's work. The five themes are:

1. Respectful Relations
2. Social and Cultural Well-Being
3. Decision-Making
4. Water, Lands, and Resources
5. Economic Relations

BC Hydro sought feedback on the following questions: Are these the right themes? Are we missing any? What are some ideas for advancing reconciliation in each area?

The Indigenous input at the regional workshops will help BC Hydro develop a plan to implement UNDRIP in its business.

BC Hydro's UNDRIP presentation is part of the PowerPoint presentation attached to this summary.

Participant input on UNDRIP and BC Hydro

A participant noted that BC Hydro had mentioned incorporating UNDRIP into the IRP early in the presentation and wanted further details on how this would be done.

It was also asked why BC Hydro doesn't have an UNDRIP implementation plan yet as DRIPA legislation was passed in 2019. The participant commented that BC Hydro should not be waiting for the Province to finalize their plan to move forward with developing its own implementation plan.

A comment was made about a participant seeing a disconnect between UNDRIP and the IRP as the technical nature of IRP conflicts with the intent of UNDRIP at times. An example was given that geothermal projects are a high priority for Indigenous Nations, important to reconciliation and will help meet demand on the southwest coast. Barriers encountered through the IRP process to pursue these projects will also impact the implementation of UNDRIP.

A participant commented that IRP isn't an appropriate place to discuss UNDRIP. They would like to see the Province and BC Hydro come forward with a comprehensive plan which Indigenous Nations can review to provide feedback.

Several participants voiced concerns about BC Hydro prioritizing rate payers and keeping costs low over Indigenous interests through the presentation. Comments were received that the process needs to be built around Indigenous Nations in order to meet UNDRIP's objectives and actions are needed as people are tired of consulting.

Several participants commented that Indigenous Nations should be considered as shareholders in BC Hydro and prioritized over rate payers. Comments were put forward that rate payers have benefitted from the extraction of resources from Indigenous lands and the communities need to be compensated. One participant commented that including Indigenous Nations as a shareholder is their definition of reconciliation.

Similarly, several participants recognized that there will be a cost to implementing UNDRIP.

A participant commented that broad education needs to be provided to rate payers to create understanding about how they've benefitted from the extraction of Indigenous resources so all rate payers can participate in reconciliation. Neglecting to create understanding could cause frustration with rate payers who may see Nations as receiving unwarranted compensation.

Another participant wanted to know BC Hydro's definition of reconciliation. They echoed that it is difficult to talk about UNDRIP at this table and this needs to be discussed more in depth at a larger table.

A participant recognized that meeting participants and BC Hydro are trying to do the right thing for shareholders and rate payers, and they have an interest in working more closely together throughout this consultation process to continue moving forward together.

BC Hydro Integrated Resource Plan: Indigenous Nations Consultation

Southwest Region

Virtual meeting – June 23, 2021

First Nation / Organization

Cory Bob	Nanoose First Nation
Alli DiGiovanni	Katzie First Nation
Barb Leggat	Leq'a:mel First Nation
Cassandra Harper	Kwikwetlem First Nation
Cheryl Jones	Nanoose First Nation
Derek Leboeuf	We Wai Kai Nation
Fiona Hood	Tsleil-Waututh
Gina Peters	People of the River
Jennifer Knox	Komox First Nation
Josh James	Penelakut Tribe
Jackie Good	Snuneymuxw First Nation
Crystal Nahanee	Squamish Nation
Justin Laslo	Leq'a:mel First Nation
Kayla Phillips	Musqueam Indian Band
Nigel Selvadurai	Seabird Island Band
Paul Blom	First Nations Energy and Mining Council
Roma Leon	Katzie First Nation
Shawnrae Gabriel	Seabird Island Band/Sto:lo First Nation
Zain Nayani	Kanaka Bar Indian Band
Christine Smith-Martin	Coastal First Nations – Great Bear Initiative Society
Mark Blom	B.C. First Nations Energy and Mining Council

BC Hydro Representatives

Presenters	Bill Clendinning, Director, Energy Planning Charlie Weiler, Indigenous Relations Senior Negotiator
BC Hydro Indigenous Relations	Alison Erven, Julian Gonzalez, Alexi Lai, Joanne McKenna, Ian Wong, Michaela Mamonluk, Alison Hall
Notetakers	Lyndsey Stark; Anne Pigott
Tech Support	Taruni Singh (IT)

Independent Facilitator

Cheryl Brooks	Indigenuity Consulting Group
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Summary of presentations

Welcome and Introductory Remarks

The workshop began with Charlie Weiler acknowledging the traditional territory and a moment of silence for the 215 burial sites found at the former Kamloops residential school. All participants introduced themselves and Chrystal Nahanee offered a prayer and greetings.

After introductions and discussing virtual meeting tools and etiquette, Cheryl Brooks, the facilitator, explained the agenda:

- Overview and recap: Integrated Resource Plan
- What we heard during Phase One
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- Planning for the unexpected

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Summary of Participant Input

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Overview and recap: Integrated Resource Plan

- A participant commented they are seeing a lot of development in their traditional territory including the construction of high-rise buildings and waterfront residential buildings. They assume this is happening in other First Nations territories and see this as an infringement on their rights and title.
- A participant mentioned poles and lines in their community need maintenance and wanted to know if these plans are considered as part of the IRP.

What we heard during Phase One

- No comments received during this part of the presentation

Load Resource Balance

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- No comments received during this part of the presentation

Reviewing the Draft Plan – BC Hydro asked: “does this align with your values and interests?” “What other feedback do you have?”

Energy conservation programs

- One participant identified electricity costs for communities as a big issue as electricity costs are not discretionary and can be much higher in northern communities.
- A participant commented that conservation efforts using heat pumps should be considered in the IRP to support Indigenous communities. They've experienced much higher bills in their Indigenous community compared to residing in Vancouver and shared that high electricity bills are having a negative impact on their community members. Heat pumps

could be considered to replace their wood burning stoves which would also decrease logging for fuel needs while also increasing Elders' comfort during heat waves.

- A participant commented that previous smart meter installation in their community correlated with a 40-50% increase in electricity bills and they requested education for their community on why this occurred.

Voluntary rates and supporting programs

- No comments received during this part of the presentation.

Renewing Electricity Purchase Agreements (EPAs)

- A participant expressed interest in the Net Metering Program and wanted to know if BC Hydro would purchase power from projects generating under 1 MW.
- The participant went on to share they would like to see Indigenous-owned Independent Power Producers continue to be offered opportunities to sell power to BC Hydro.
- A participant was interested in selling power from Indigenous-owned projects to Alaska and wanted to understand if this was possible.

Transmission system upgrades

- No comments received during this part of the presentation.

Future resources

- No comments received during this part of the presentation.

Small BC Hydro plants

- No comments received during this part of the presentation.

Planning for the unexpected

- A participant expressed an interest in using utility scale batteries in Indigenous Nation communities. They mentioned their community previously bought residents generators which has been received positively. They highlighted that remote communities can experience long term outages which can cause food to spoil. In particular, they recommended exploring the use of batteries in Sooke and Port Renfrew who rely on intermittent solar power.
- It was suggested that Vancouver Island would be a suitable spot for pilot projects using utility batteries due to its small size and wide-spread reliance on solar panels.

Follow up

- None

Summary and Wrap-up

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Participant input on UNDRIP and BC Hydro

- A participant emphasized that revenue sharing remains important to Indigenous communities. They stated revenue sharing is the essence of reconciliation and the Province and BC Hydro need to give back to communities by allowing them to share in the revenue in exchange for the resources that have been extracted. They expressed that this needed to be stated today so BC Hydro can relay as necessary.
- An participant commented that is it important that BC Hydro has a branch dedicated to Indigenous relations in the company to support clean energy development, support communities and allow Indigenous people to express their concerns so these can be relayed to the rest of the company.
- A participant commented that the recent news at the former Kamloops Residential School highlights that we have work to do to move forward. When we talk about reconciliation, it's important to talk about how Indigenous Nations view reconciliation and we're getting into a period where more Indigenous voices are being heard. Conversations like the one today need to continue for reconciliation to move forward.

BC Hydro Integrated Resource Plan: Indigenous Nations Consultation

Southeast Region

Virtual meeting – June 24, 2021

First Nation / Organization

Adam Neil	Shuswap Indian Band
Bobby Watkinson	St'at'imc Government Services
Brook Carpenter	Simpcw Resources Group
Colleen Marchand	Okanagan Indian Band
Carroll Draney	Skeetchestn Indian Band
Marshall Gonzales	Skeetchestn Indian Band
Don Kraus	Coldwater Indian Band
Fabian Alexis	Okanagan Indian Band
Mark Blom	British Columbia First Nations Energy Mining Council
Heather Oliver	Simpcw Resources Group
Jeannie Pelkey	Songhees Nation
Judah Vickers	High Bar First Nation
Chief Justin Kane	Ts'kw'aylaxw First Nation
Kathryn McLeod	Nisga'a Lisims Government
Kerri Jo Fortier	Simpcw First Nation
Marion Eunson	Ktunaxa Nation
Meaghan Hume	St'at'imc Government Services
Maxwell Stevens	Gitxsan Treaty Society - Upper Skeena Watershed
Robin Buss	Tsawwassen First Nation
Kukpi7 Roy Fletcher	High Bar First Nation
Stephanie Paul	Westbank First Nation
Tracey McKay	Nisga'a Lisims Government

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Independent Facilitator

Cheryl Brooks	Indigenuity Consulting Group
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The workshop began with Charlie Weiler acknowledging the traditional territory and a moment of silence for the 215 burial sites found at the former Kamloops residential school and the 751 unmarked graves reported this week at the former Marieval Indian Residential School in Saskatchewan. All participants introduced themselves and Tracey McKay offered a prayer and greetings.

After introductions and discussing virtual meeting tools and etiquette, Cheryl Brooks, the facilitator, explained the agenda:

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Summary of Participant Input

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Overview and recap: Integrated Resource Plan

- A participant was interested in whether BC Hydro is a revenue generating business.
- A participant asked if BC Hydro engages with Indigenous Nations to offer benefit agreements. In particular, they wanted to know what steps are taken to address the loss of traditional resources with Indigenous Nations.
- There was interest from several participants about energy trading across borders and if BC Hydro considers customer outside of B.C. as BC Hydro's customers.
- As it relates to electricity sales outside of the province, a participant commented that they would like to see government reinvest this revenue in green energy projects that will reduce costs and environmental impacts. Lower rates shouldn't trump these priorities.

What we heard during Phase One

- A participant commented that they reviewed the draft IRP, but it was not clear where feedback from phase one of consultation with Indigenous Nations had been incorporated.
- A participant commented that they had reviewed the draft IRP summaries and noticed that the topics highlighted by Indigenous Nations in the Indigenous consultation stream differed greatly from those through the public stream. They expressed a desire to include their community members in discussions on IRP topics but had been prevented from doing so following phase one of consultation due to the COVID-19 pandemic. They also had an interest in hearing legal and professional opinions at workshops on IRP topics to help guide their understanding of how to best move forward.

Load Resource Balance

The load resource balance shows when BC Hydro expects to need more resources by comparing BC Hydro's forecast of future electricity demand against resources, we know we have in place to meet future demand. It also shows the range of uncertainty in BC Hydro's forecasts (i.e. future demand may be higher or lower than expected).

- A participant wanted to know when Site C would be commissioned and the impact this would have on the load forecast.

Reviewing the Draft Plan – BC Hydro asked: “does this plan align with your values and interests?” “What other feedback do you have?”

Energy conservation programs

- A participant commented that some homes on reserve are in poor condition and the top priority for energy conservation should be upgrading these homes. Some existing conservation programs offered by BC Hydro focus on other opportunities, but these don't address the root issue for many of their community members.
- Several participants expressed an interest in using heat pumps for conservation. One participant shared that some homes in their community had installed heat pumps which had proven to be effective for decreasing bills, but high upfront costs are a deterrent. They expressed an interest in installing more heat pumps if they were more affordable.
- A participant commented that they would like to see an electricity use monitoring program started for their community to help educate residents and allow community members to spot issues contributing to high bills.

Voluntary rates and supporting programs

- A participant shared their concerns about how time varying rates would affect their community as they wouldn't be able to enjoy any of the benefits. In particular, they noted that time varying rates benefit electric vehicle owners, but these benefits won't be recognized in their region as the infrastructure is not in place. It was requested that BC Hydro consider different rates in different communities.
- A participant asked whether BC Hydro was exploring different rates for places where electricity is generated versus where there is increased demand. They expressed interest in understanding the legislative context to some of these decisions to support Government to Government discussions First Nations are having.
- There was a question as to whether BC Hydro considered or can consider regional varying rates. The majority of BC Hydro generation and associated impacts are in rural areas but the demand for more electricity is coming from more urban areas. Perhaps urban areas should pay higher rates to offset the impacts and costs on more rural areas where the power is generated.
- A participant commented that they live in an area with high electricity bills since they aren't able to access gas for heating or cooling which can be an issue when they experience extreme temperatures in the summer and winter. They would like to see fair and equitable rates available across the province.

Renewing Electricity Purchase Agreements (EPAs)

- A participant noted that they were disappointed that there were no opportunities for Indigenous Nations under the Standing Offer Program. They shared that their Nation is

ready to roll out solar projects that can help reduce costs on reserve and make sure of a clean energy source.

- A participant expressed an interest in a solar powered project on their reserve which has been zoned for multiuse.

Transmission system upgrades

- No comments received during this part of the presentation.

Future resources

- No comments received during this part of the presentation.

Small BC Hydro plants

- No comments received during this part of the presentation.

Planning for the unexpected

- A participant expressed an interest in where utility scale batteries could be used in the BC Hydro system.
- A participant inquired about the environmental impacts of utility scale batteries which should be considered in their use as well as learnings from other utilities who have implemented them.
- A participant commented they expected that Indigenous Nations would be interested in opportunities to privately own utility scale batteries and sell stored power back to BC Hydro.
- A participant wanted to acknowledge the clarity of the presentation and that the content was presented in a way that was easy to understand.

Further information on Topics Raised During the Workshop

Utility-scale batteries in the BC Hydro system: Utility scale batteries can help address uncertainties. These large-scale batteries are able to help meet capacity demands by storing power to be used when customer demand is high and recharging when demand is low. They're not currently part of the base plan but a new technology that can be incorporated into the system, if needed. Currently, other utilities are making use of batteries in places like California. BC Hydro will be observing how they're used to help meet demand so it can be determined how to best implement them into B.C.'s system.

Heat pumps in energy conservation: Following a comment from a participant about the use of heat pumps in their reserve, a conversation took place about how heat pumps may be useful for Indigenous Nations to conserve energy and improve comfort. Heat pumps use electricity to move heat between the home and either the ground (ground-source heat pumps) or the outside air (air-source heat pumps) with very high efficiencies. Heat pumps are not new technologies, and they

have historically had some problems operating in colder northern climates. However, there have been technological advances that enable some heat pumps to operate in some more extreme environments, with some growing pains in colder climates as the technology continues to evolve.

Follow up

The What We Heard report from the first round of Indigenous consultation on the IRP was sent to the workshop participants again.

Summary and Wrap-up

Charlie Weiler thanked participants for attending the workshop and reminded audience of the next steps in the consultation process:

- BC Hydro will circulate meeting summary for your review and comment
- BC Hydro respectfully asks for your comments and input for this phase of consultation by **July 31, 2021**
- The final IRP will be filed with the BCUC by December 31, 2021
- Consultation summary will be sent to you and included in the filing with the BCUC

Additional input can be provided through the following means:

- Please take the survey: <https://bchydro.civilspace.io/en/projects/clean-power-2040/engagements/irp-phase-2/sections/1>
- Provide input by emailing CP2040.Indigenous@bchydro.com
- Call us at 1-877-461-0161 (extension 3) if you have any questions

Reconciliation and Implementing the United Nations Declaration of the Rights of Indigenous Peoples in BC Hydro's business

In the first round of consultation on the IRP there was a high level of interest in how BC Hydro will implement the United Nations Declaration on the Rights of Indigenous Peoples ("UNDRIP" or the "Declaration") in its business. As result the second round of regional workshops on the IRP also had an agenda item to seek Indigenous input into the development of an UNDRIP implementation plan and how BC Hydro plans to implement UNDRIP into its business.

Participants in the IRP consultation sessions were asked for their input on five themes that BC Hydro believes relate to UNDRIP and BC Hydro's work. The five themes are:

1. Respectful Relations
2. Social and Cultural Well-Being
3. Decision-Making
4. Water, Lands, and Resources
5. Economic Relations

BC Hydro sought feedback on the following questions: Are these the right themes? Are we missing any? What are some ideas for advancing reconciliation in each area?

The Indigenous input at the regional workshops will help BC Hydro develop a plan to implement UNDRIP in its business.

BC Hydro's UNDRIP presentation is part of the PowerPoint presentation attached to this summary.

Participant input on UNDRIP and BC Hydro

- A participant expressed an interest in understanding what types of agreements other Indigenous Nations hold with BC Hydro as they see agreements have helped guide consultation on their rights and title.
- A participant expressed curiosity about how Indigenous culture and heritage resources fits within the five themes proposed by BC Hydro. They shared that they see it fitting into various themes on the list.
- A participant shared that archaeological assessments are a priority and they were concerned that pole replacements seem to happen in their community without proper communication. They thought it was wonderful these conversations on UNDRIP are now taking place with Indigenous communities.
- A participant shared that it would be beneficial for BC Hydro to connect Indigenous communities with other Nations who work with the company to promote peer-to-peer learning. Sharing best practices and learning from one another might help bring benefits to Indigenous communities while also finding efficiencies for BC Hydro. Nation employees tend to deal with large portfolios and a high volume of work so learning from other communities might help streamline processes for both Nations and BC Hydro.
- Comments were received on cultural protection and mitigation as top priorities for participants.
- A participant commented that there are 203 Indigenous Nation in B.C. and the UNDRIP themes will be interpreted and prioritized differently for each group. They would also like for these conversations to happen at the community level.
- Decision-making was highlighted as a priority for a participant. They shared that past conversations with the Province often take place after a decision has already been made and Nations are often asked what they think instead of including them in the decision. They would like to be included earlier based on UNDRIP's principles and this needs to be done at the individual band level. Technical discussions should be recorded in a project management framework so it can be relayed to Nation leadership.
- A participant commented that they would like to see lessons learned from the Site C project as well as Independent Power Producer projects to improve the outcomes of future projects. Currently, they don't think it's clearly communicated why some Indigenous Nations oppose projects due to social or environmental impacts.
- A participant shared that they would like to see BC Hydro play a central role in planning Independent Power Producers projects in their territory. There are many impacts to their territory from projects who don't coordinate between one another and BC Hydro could help these companies take a more holistic approach to find efficiencies.
- A participant shared that they are seeing less local participation in projects in their territories. Would like to see companies come to them before coming into their territory to understand their capacity.

- One participant was shocked to hear a question about UNDRIP today. They agreed these are important questions to ask but communicated that they need more time to process and prepare an appropriate response.
- A participant was curious about the five themes proposed and asked how BC Hydro defines each one.