

Appendix A

Engagement Report Supplement Supporting Material

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To request accessible formats visit hydro.mb.ca/accessibility.
Pour demander des documents en format accessible veuillez
consulter hydro.mb.ca/fr/accessibility.



Table of Contents

Introduction	1
1. General Public	2
1.1. General Public Round 2 Survey Report	3
1.2. General Public 2025 IRP Release Promotional Activities	21
1.3. General Public 2025 IRP Release Promotional Materials	22
2. Interested Parties (IP)	24
2.1. Round 2 Questions and Answers Summary	25
3. Indigenous Nations Leadership	35
3.1. First Nations Leadership Round 2 Survey Process Summary	36
3.2. First Nations Leadership Round 2 Survey Report	37
4. Technical Advisory Committee (TAC)	56
4.1. TAC Engagement Process Summary	57
4.2. TAC Presentations	58
4.3. TAC Meeting Summaries	145

Introduction

This Engagement Report Appendix A Supplement documents engagement activities and materials, and reporting not captured in the [2025 Integrated Resource Plan \(IRP\) Engagement Report Appendix](#) released on February 2, 2026.

It is a record and repository of the engagement processes and materials, survey reports and documentation developed for Manitoba Hydro's [2025 Integrated Resource Plan](#). This appendix is referenced throughout the [Engagement Report Supplement](#), which documents engagement activities and reporting not captured in the [2025 Integrated Resource Plan \(IRP\) Engagement Report](#) released on February 2, 2026.

The activities documented in this appendix are the Round 2 General Public and First Nations Leadership surveys, the Round 2 Questions and Answers, Technical Advisory Committee Meetings #8 and #9, and engagement activities associated with the release of the 2025 IRP Report.

This document includes the following sections:

- 1. General Public**
- 2. Interested Parties (IP)**
- 3. Indigenous Nations Leadership**
- 4. Technical Advisory Committee (TAC)**

1. General Public

The following information supplements Section 1 of [2025 IRP Engagement Report Appendix A](#).

The following information is provided in the subsequent sub-sections:

- 1.1. General Public Round 2 Survey Report
- 1.2. General Public 2025 IRP Release Promotional Activities
- 1.3. General Public 2025 IRP Release Promotional Materials

1.1. General Public Round 2 Survey Report

Table of Contents

1. [Key Findings](#)
2. [Engagement Overview](#)
3. [2025 IRP road map - key areas of interest](#)
4. [Additional Comments](#)

Key Findings

2025 IRP Road Map - Topics to learn more about

Top IRP road map topics
Manitobans want to learn
more about

▶ Near-term actions (what we will do in the next five years)

▶ Resources included in the recommended development plan

Engagement Overview

Engagement overview

Objective: Identify which components of the 2025 IRP road map customers are interested in learning more about.

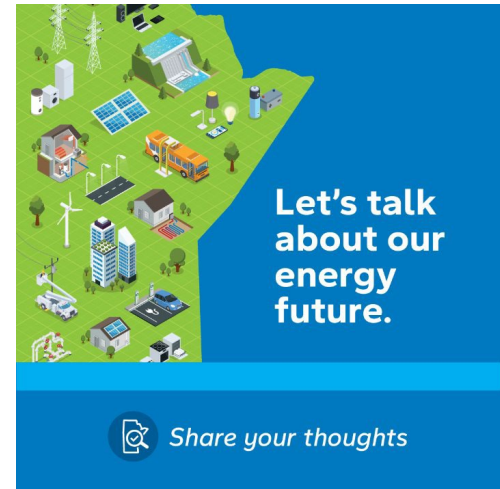
The Round 2 survey was open for feedback from December 9 to December 23, 2025. Approximately 5,800 survey responses were received, including 712 Manitobans recruited from existing IRP subscriber lists.

The survey was promoted to residential customers and the IRP subscriber list. A range of communication tools were used including:

- Direct email invitations
- Radio Advertising
- Social Media Advertising
- Manitoba Hydro Website

Social media ads promoting participation in the general public survey were geographically targeted to gather the perspectives of customers living on First Nations.

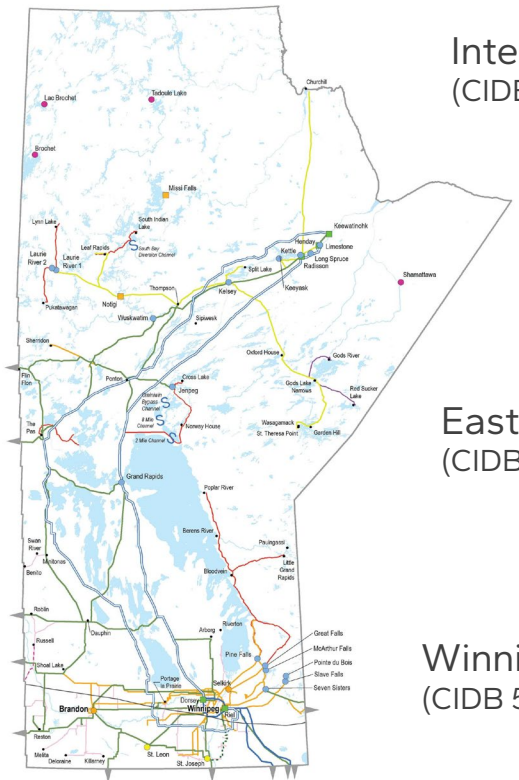
The survey was also available to complete through the public Manitoba Hydro website to provide an accessible means of engagement for a wide audience. Due to this, some survey responses may have been submitted from non-customers.



Regional representation of survey responses

Parkland West 6%
(CIDB 6%)

South Central 14%
(CIDB 18%)



Interlake North 7%
(CIDB 9%)

Eastman 13%
(CIDB 13%)

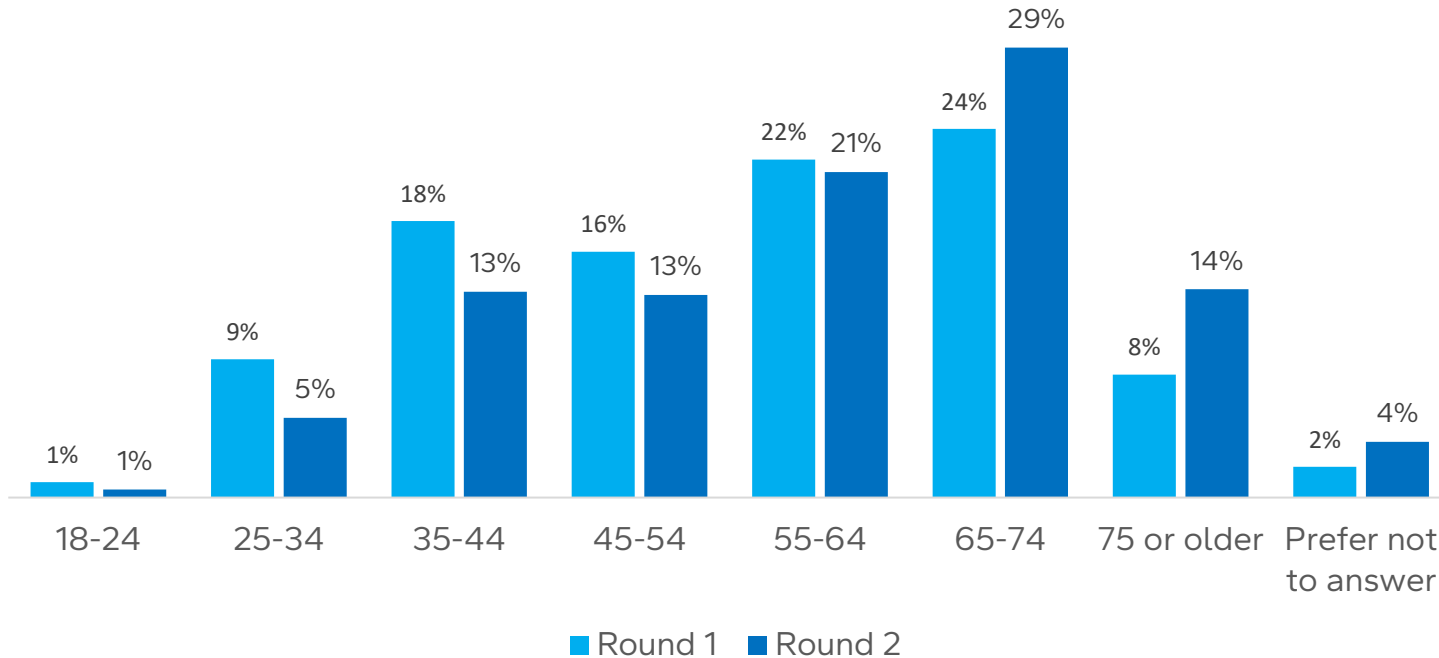
Winnipeg 59%
(CIDB 51%)

Customer Information Database (CIDB) represents the actual regional distribution of Manitoba Hydro customers.

This is compared to the regional distribution of Round 2 respondents. Note that not all respondents provided their location (FSA).

Age demographic

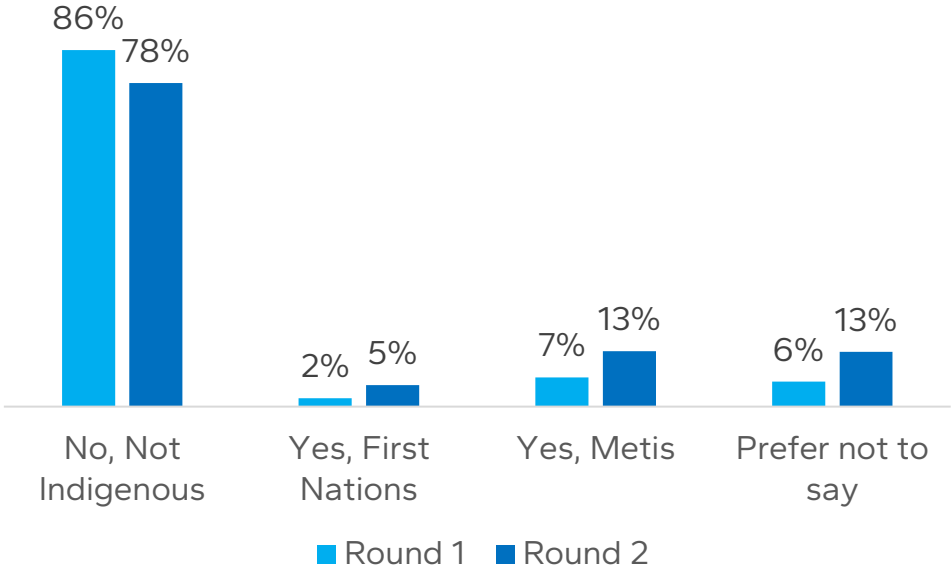
What age category do you fall into? n = 5,630



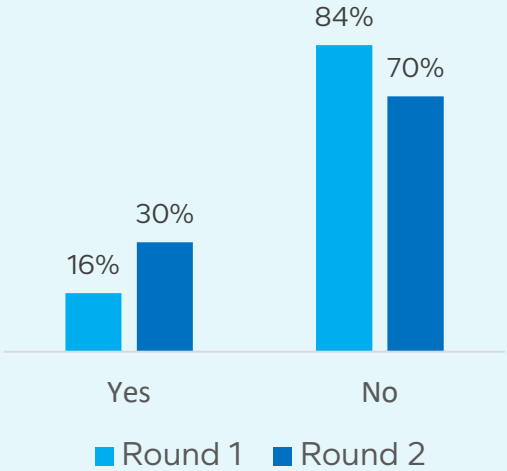
Round 1 was fielded November 5 - December 19, 2024. Round 2 was fielded December 9-23, 2025.

Indigenous respondents

- In total, we heard from 516 respondents identifying as Indigenous, comprising 9% of survey responses. n = 5,784

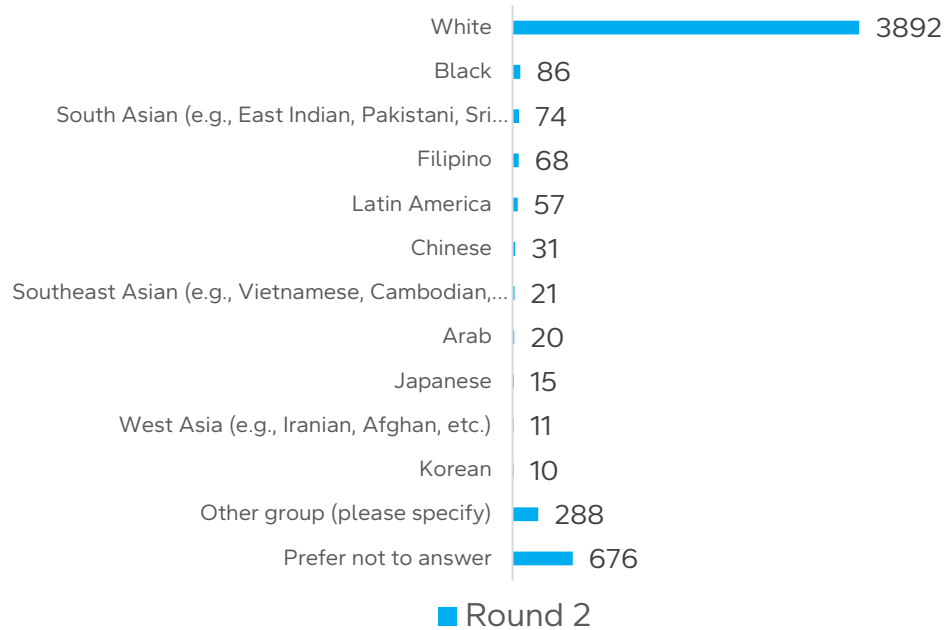


- 29 respondents (30%) identifying as First Nations report living on a First Nations reserve. n = 97



Visible minority identity

Are you: (please select all that apply) n = 5,784



Respondents specified the following key groups in the “other group” response option:

- Canadian
- Mixed
- European

2025 IRP road map - key areas of interest

Survey respondents were presented with a list of 2025 IRP road map topics and asked to select what parts they were interested in learning more about.

Topics most interested in learning – all respondents

What parts of the 2025 IRP road map are you interested in learning more about?
Select all that apply (n = 5,784)



Topics most interested in – by region

What parts of the 2025 IRP road map are you interested in learning more about?
 Select all that apply (n = 4,362*)

	Near Term Actions	Resources included	Resources not included	Signposts	Learnings (Key insights)	Nothing more
Urban (n=2,587)	26%	20%	16%	16%	12%	9%
Rural (n=1,775)	27%	19%	15%	14%	12%	12%

- Both Urban and Rural responded similarly and in the same preferred order of what they were most interested in learning most about (the highest being the Near Term Actions).
- Urban respondents were more likely to say they would like to learn more about Signposts when compared to rural customers.
- Rural customers were more likely to say they weren't interested in learning anything more than what was already mentioned in the IRP road map.



*Not everyone provided a valid postal code

Topics most interested in – by Indigenous identity

What parts of the 2025 IRP road map are you interested in learning more about?
 Select all that apply (n = 5,784)

		Resources included	Resources not included	Near Term Actions	Learnings (Key insights)	Signposts	Nothing more
Indigenous Total (n=516)		11%	32%	57%	25%	29%	22%
Indigenous detailed breakdown	First Nations (n=113)	30%	23%	42%	18%	19%	27%
	Metis (n=386)	4%	35%	61%	28%	33%	19%
	Inuit* (n=17)	29%	24%	41%	18%	18%	47%
Non-Indigenous (n=4,517)		42%	31%	59%	26%	33%	19%



*Small sample size

Additional comments

Additional Comments

Some respondents provided “other” responses when asked what parts of the road map they would be interested in learning about.

Responses highlighted the following themes:

- Cost & affordability (bills/rates)
- Environment & climate (impacts/emissions)
- Natural gas (for peak demand), overall reliability, grid resilience
- Options for nuclear energy generation
- Exports, trade & cross-border sales
- Customer-side renewable energy generation & efficiency (solar/wind/heat pumps)
- Prioritize transparency & IRP plan details
- How Indigenous communities will be involved

*“How much is it going to cost for people like me.”
“I would like to know more about how technology efficiencies will lower my monthly bill.”*

“When are we deploying more nuclear as it's the best clean energy available.”

*“How will exports affect Manitoba rates.”
“Are we selling too cheaply?”*

“Environmental impacts of each alternative.”



Prepared By: Customer Insights and Business Performance Department in collaboration with
Integrated Resource Plan Policy and Coordination Department

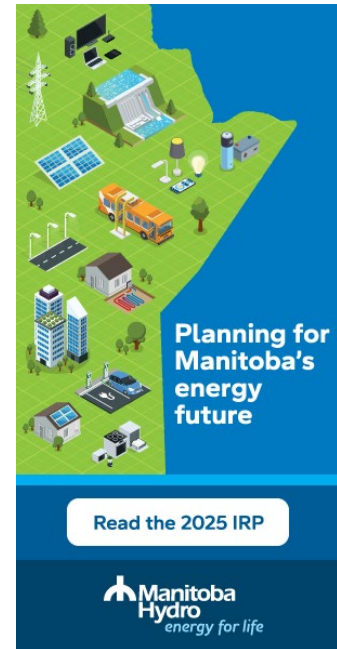


1.2. General Public 2025 IRP Release Promotional Activities

[The 2025 IRP Report](#) was released to the public on February 2, 2026. It was widely promoted across Manitoba, in both English and French, using a variety of direct and indirect communication methods.

The following project communication efforts supported the release of the 2025 IRP Report:

- **Project website updates:** The project website was updated to share the 2025 IRP Report and Appendices.
- **Email outreach:** A direct email promoting the 2025 IRP Report release was sent to approximately 8,000 existing IRP subscribers.
- **News release:** A News Release was posted on the News & Stories section of the Manitoba Hydro Website on February 2, 2026.
- **Social media:** The 2025 IRP News Release was shared on Manitoba Hydro's social media pages including Facebook, X, Bluesky, and LinkedIn and garnered approximately 16,000 impressions and 200 post clicks.
- **Digital display campaign:** Website banner advertising was used to reach rural, urban, and First Nations customers which resulted in approximately 3.5 million impressions and 4,500 clicks.



1.3. General Public 2025 IRP Release Promotional Materials

This section includes the following materials:

- News Release: Manitoba Hydro files 2025 Integrated Resource Plan with the Public Utilities Board

Manitoba Hydro files 2025 Integrated Resource Plan with the Public Utilities Board

Manitoba Hydro filed its full 2025 Integrated Resource Plan (IRP) Report with the Public Utilities Board (PUB) today.

Late last year, the utility released its 2025 IRP Road Map that included an early look at the recommended 10-year development plan designed to meet Manitoba's energy needs and align with net-zero targets.

Representing a complete picture of the integrated resource planning process and its results, the 2025 IRP Report is also now available for public viewing on Manitoba Hydro's website.

The 2025 IRP Report provides additional context and information surrounding the previously released Road Map including the 10-year recommended development plan, an alternative development plan, key learnings from the planning process, near-term actions Manitoba Hydro needs to take, and signposts that will be monitored going forward. The report is accompanied by documentation of the comprehensive analysis and engagement conducted to arrive at the Road Map.

The provincial government requested Manitoba Hydro file the IRP with the PUB as part of the overall approval process.

"We're excited to build on our Road Map and present a more complete picture of Manitoba's energy future with the filing of our 2025 IRP," said Allan Danroth, Manitoba Hydro's President and CEO.

"This IRP is the outcome of a thorough, industry-best-practice planning process, informed throughout by engagement with thousands of Manitobans. It presents solid data and analysis in support of our development plan and our alignment with Manitoba's Affordable Energy Plan and net-zero targets set by government.

"This filing represents the beginning of the final phase of IRP approval. I'm pleased to be able to share this information more broadly now about Manitoba Hydro's future, and by extension the future of energy in our province."

The 2025 IRP Report provides more detailed information than was released with the IRP Road Map in December 2025, including a comprehensive risk assessment and deep analysis of resource options, greenhouse gas impacts, financial implications and the trade-offs between different decisions made in planning for our energy future.

"I'm very proud of the work our team has done developing such a comprehensive look at Manitoba's energy future, and how we will meet that future safely, affordably and reliably," said Danroth.

"This plan represents years of work by more than 100 employees, using industry-standard modeling software that generated thousands of different modeling scenarios. The model relied on third-party inputs, and our results have been validated externally."

To learn more about Manitoba's energy future, read the 2025 IRP Report (and find out how to get involved in future energy planning) at hydro.mb.ca/future.

For more information, please contact:

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2. Interested Parties (IP)

The following information supplements Section 2 of [2025 IRP Engagement Report Appendix A](#).

The following information is provided in the subsequent sub-sections:

- 2.1. Round 2 Questions and Answers Summary

2.1. Round 2 Questions and Answers Summary

Round 2 Sessions Questions and Answers

The following are responses to questions received during Round 2 engagement sessions held in December 2025 that shared the 2025 IRP Road Map – the outcome of the 2025 IRP development process.

More information about the resource options can be found in the [questions and answers from the Mid-Project information session](#) held in July 2025, and information about the key inputs and scenarios considered in the IRP analysis can be found in the [questions and answers from Round 1 of engagement](#).

The Integrated Resource Plan Process

This section focuses on questions related to the integrated resource plan process and its outputs.

What is Manitoba Hydro's role in energy planning and the energy transition?

The Manitoba Hydro Act establishes Manitoba Hydro's responsibility to reliably supply power to meet the needs of the province. Through long-term integrated resource planning, Manitoba Hydro is anticipating and preparing for increased electricity demand. This planning supports a pathway to a net-zero economy in Manitoba by 2050 by identifying resources and strategies needed for the energy transition.

How has the IRP and energy planning process evolved in recent years?

Since completing the first IRP in 2023, Manitoba Hydro studied energy transition pathways to 2050, incorporated the latest energy related policy, information on emerging resource options, and enhanced engagement processes for energy planning. The roadmap in the 2025 IRP includes the addition of a recommended development plan, a sequence of actions we'll need to take to meet Manitoba's future energy needs.

What is a road map and what does it include?

The outcome of the 2025 IRP development process is a road map. The 2025 IRP road map includes:

- **learnings** from the IRP development process;
- a **recommended development plan** that outlines the approximate timing and quantities of resources recommended to meet future energy needs;
- an **alternative development plan** that shows another option that was considered

and is the next best path to meeting 2025 IRP objectives;

- **near-term actions** to be completed over the next five years to implement the development plan and prepare for the next IRP; and
- **signposts** we will monitor to help understand how and how quickly the energy landscape is changing.

Key Energy Planning Concepts

This section focuses on key energy planning concepts that are important to understand and consider.

► Capacity and Energy

What is the difference between capacity and energy with respect to electricity planning?

Many factors must be considered when planning for the energy future to ensure the electrical system can be operated reliably and economically. Peak demand occurs when the demand for electricity is highest, and we must plan for the system to have enough reliable capacity to serve it. **Capacity** is the maximum electrical output a system can produce at a given time, measured in megawatts (MW), whereas **energy** is the amount of electricity consumed over a given period of time, measured in kilowatt-hours (kWh).

For our system planning purposes, we consider how a resource option contributes to accredited capacity, dependable energy, and average energy.

Accredited capacity (MW) is the amount of capacity that a resource can be relied upon to deliver during peak demand. IRP analysis indicates that Manitoba will

need more electrical capacity in 2029/30; resources that provide accredited capacity can be added to the system to address this need. For example, solar provides no accredited capacity in the winter when it is most needed to meet peak demand conditions, whereas combustion turbines provide 100% accredited capacity. The accredited capacities of all the resources in the recommended development plan are available on our [website](#).

Installed capacity (MW), also referred to as rated or nameplate capacity, is the maximum electrical output a generator can produce at a given time under specific conditions. For example, Manitoba's Affordable Energy Plan calls for 600 MW of Indigenous owned wind energy, which represents the installed capacity, or output the resource could produce if all turbines were generating at full capacity. For this 600 MW of installed capacity, 20%, or 120 MW, can be relied upon to deliver accredited capacity to serve peak demand conditions. As more wind is added to the system, the accredited capacity available per MW of installed capacity goes down.

Dependable energy (GWh/year) is the amount of electrical energy that the Manitoba Hydro system can produce considering an extended drought where water flow conditions are equivalent to the lowest on record for the entire Manitoba hydropower system (1941). This is an important consideration in energy planning to ensure reliability.

Average energy (GWh/year) is the amount of electrical energy that the Manitoba Hydro system generates on average, based on flow conditions based on 112 years of flow history. This is important when considering system operations in long-term planning. Average Manitoba energy generation from now until 2040 is projected to be approximately 93% hydro generation, roughly 6.5% wind, and less than 0.5% from combustion turbines.

► Renewable Resources and Energy Storage

What factors influence pairing renewable resources with energy storage to address Manitoba's energy needs?

The value provided by a resource option is dependent on the characteristics and needs of Manitoba's system.

Our system currently benefits from significant energy storage through its hydro reservoirs, and the value of solar and wind energy to our system is generally improved by this storage because when electricity is being generated from wind or solar, water can be stored in the reservoirs for future use. However, there is a limit to how much water can be stored in reservoirs. Another consideration is that we need accredited capacity to meet this peak demand conditions, and the amount of accredited capacity the hydro system can provide is limited by the number of hydro generators available to produce electricity.

While other utilities have success using batteries, we consider the value of this resource on the Manitoba Hydro system specifically. Energy storage options that shift energy from the summer to the winter would be valuable to our system, but batteries cannot effectively store energy in one season to be used in another.

The 2025 IRP near-term actions include implementation of a utility-scale battery project. Planning for that project will determine:

- the battery location and sizing;
- a charge-discharge cycle that provides value to the system by storing energy to be used hours or days later to serve times of peak demand;
- the accredited capacity provided;
- the benefits to transmission and distribution system operation and energy market activities;
- the battery recharge limits, which reflect the ability of Manitoba Hydro's system to charge the battery considering transmission and generation constraints. For example, solar energy production is greatly decreased in the winter and wind energy can experience multiday periods with not enough generation to recharge short-term batteries. Also, the ability to recharge batteries during droughts is limited when refilling of hydro reservoirs is more challenging; and
- how the battery may compete with other peak demand reduction strategies to provide accredited capacity, such as demand response and curtailable rates programs that also flatten the load shape/adjust when demand for electricity occurs.

▶ Net-Zero Grid, Net-zero Economy, and Absolute Zero

What is the difference between net-zero and absolute zero?

Net-zero refers to a future state where all greenhouse gas (GHG) emissions are balanced to zero on an ongoing cumulative basis. Absolute zero refers to a future state where no greenhouse gas (GHG) emissions are emitted. Net-zero is achieved through a combination of actions: reducing emissions—such as through electrification and other means—and using offsets or removals from the atmosphere to “net-out” any remaining emissions. Most policies, including the one in Manitoba Hydro’s mandate letter, set net zero goals because they consider practicalities essential for a transition that is sustainable and economically viable.

What is the difference between a net-zero grid and a net-zero economy?

Net-zero grid means reducing GHGs and using offsets and negative emissions to achieve net-zero for the operation of the Manitoba Hydro grid. Net-zero economy means taking those same actions for the entirety of the Manitoba economy, including addressing emissions from transportation, stationary combustion of fossil fuels such as building heating, agriculture, industrial processes, water, and fugitive emissions. A net-zero economy will likely increase demand for electricity with Manitoba Hydro’s role remaining unchanged from today - to reliably, safely and efficiently supply energy.

Net Zero Grid

How can a net zero grid by 2035 be achieved when the recommended development plan includes natural gas combustion turbines?

A net-zero grid requires all direct GHG emissions from grid-connected fossil fuel generators to be netted to zero. It does not require the elimination of natural gas generation. In a net-zero grid future, combustion turbines must either operate on non-fossil fuels, utilize a non-fossil fuel credit system, or net their emissions to zero using carbon offsets.

What types of carbon offsets are being considered, and are Manitoba based offsets being considered?

[Canada’s Greenhouse Gas Offset Credit System](#) recognizes offset protocols from a wide variety of GHG reduction and removal projects. While Manitoba Hydro has not selected a specific type of carbon offset for net-zero grid purposes, it is assumed it will be a federally recognized offset and that, from 2050 onwards, it would be a removal offset. For modelling purposes in the 2025 IRP, Manitoba-located bioenergy with carbon capture and sequestration was the assumed offset source.

Net-zero Manitoba economy

Did the IRP consider alternative resource options and pathways to phase out natural gas as an energy source, while continuing to meet energy needs of Manitobans and aligning with a net-zero economy by 2050?

The 2025 IRP included analysis to meet the Province of Manitoba's objectives of a net-zero economy in 2050. Manitoba Hydro also conducted analysis to understand how electricity demands might change if ground transportation and space heating produce no greenhouse gas emissions by 2050 (i.e., they achieve absolute zero). Analysis indicated that while over a range of net-zero economy futures there is a meaningful decline in natural gas usage in Manitoba, some natural gas will remain as a fuel source in the residential, commercial, and industrial sectors in 2050. Manitoba Hydro is also exploring alternative fuels for combustion turbines, alternative fuel credits, and carbon offsets as part of the near-term actions for the 2025 IRP.

Key Inputs and Scenarios

This section focuses on questions related to key inputs and scenarios considered in the 2025 IRP analysis.

▶ **Load Projections**

How has increased demand from data centres, artificial intelligence (AI), northern mining and other economic investments been considered in the IRP analysis?

The IRP load projections considered a range of assumptions related to economic development that result in increased electricity demand and were broadened to account for potential changes in the

energy landscape. This could include new load from data centres, or AI, for example. However, the IRP does not make specific assumptions about new customer load connection projects. The assumptions underpinning the 2025 IRP load projections are outlined in our [Round 1 Engagement Presentation](#).

▶ **Imports / Exports / Interconnections**

How were interconnections to other markets considered in the IRP? Are there any plans to look at east-west utility grid connections?

Energy markets outside the province play a role in ensuring system reliability, supporting operational flexibility, and facilitating effective participation within the broader market framework. Details about potential new interconnections were not available during development of the 2025 IRP and therefore they were not included in this IRP analysis; however, opportunities for new or enhanced interconnections, will continue to be monitored and assessed via the IRP signposts.

▶ **Geopolitical Influences**

How have changes in U.S. trade policy impacted the IRP analysis?

The scenarios analyzed in the 2025 IRP were broad with the intention of accounting for existing policies and potential policy changes both within and outside of Manitoba. The IRP considered a wide spectrum of policy possibilities and integrated the prospective impacts into

the load projections and resource option strategies. Given the broad scope of the IRP analysis, changes in U.S trade policies are not expected to impact results.

Modelling, analysis, and evaluations

This section focuses on questions about the 2025 IRP modelling, analysis, and evaluation of potential development plans.

► Potential Development Plans

Will there be any information made available about the potential development plans that were considered but not selected, and were any considered that didn't include combustion turbines?

The 2025 IRP Report will show a comparison of different potential development plans considered. These plans use different combinations, amounts, and timing of the [six resource options](#). The plans were organized into three groupings, including one grouping that focused on reducing the use of combustion turbines through alternative capacity resources. IRP analysis indicated that a potential development plan without any combustion turbines was not viable and therefore not recommended.

Recommended and Alternative Development Plans

This section focuses on questions related to the recommended and alternative development plans.

► Energy Efficiency and Demand Response

What types of energy efficiency programs are being considered by Manitoba Hydro?

The reductions in need for system capacity that result from energy efficiency programs are expected to come from

the continuation of Efficiency Manitoba's existing programming which meets legislated targets. New or additional programming for building insulation, ground source heat pumps, thermal energy storage, and custom solutions for industrial customers provide additional reductions beyond what is currently legislated.

Demand response and curtailable rate programs are also being developed in collaboration with Efficiency Manitoba and final details of those programs will be shared once developed. Certain aspects may require legislative changes or regulatory approvals including time-based rates. As identified in the near-term actions, enabling infrastructure (such as advanced metering infrastructure) is required and may offer future opportunities.

► Wind Energy

How is the location of wind projects determined? And is wind energy being considered beyond the 2035 development plan timeframe?

The location of wind energy projects is out of scope for the IRP. Manitoba Hydro's current [wind call for power](#) outlines the locations that proponents can select for interconnecting potential projects to the system. Additional wind outside the 2035 timeframe is a potential option that Manitoba Hydro will continue to explore.

▶ **Battery Storage**

Why does the development plan only include a 5 MW battery storage project and not more?

The size of Manitoba's first utility scale battery will be confirmed during project planning with 5 MW being provided as a starting point for planning purposes. It would not be prudent to invest in large quantities of batteries before confirming they would provide sufficient value, here in Manitoba, to offset their cost. Please refer to the *Key Energy Planning Concepts* section in this document to learn more about what is considered when planning a battery storage project.

▶ **Combustion Turbines fuelled by Natural Gas/Biomethane**

How often are combustion turbines expected to be used? And is there a risk that they will be used more in the future than estimated now in response to economic pressures (such as export revenues or financial performance)?

Combustion turbines are expected to operate as backup under conditions such as droughts, weather events, and other system situations. Their use will vary from year to year depending on how often these conditions occur. At this time, combustion turbines are estimated to be utilized, on average, between 0.5% and 5% of their full capability.

Combustion turbines are one of the most cost-effective dispatchable resources, providing critical capacity; however, they are typically not a cost-effective source of energy with other resources, like existing

hydro and wind, being more cost-effective energy options. Operational economics reduce the potential for combustion turbines to be used beyond critical backup purposes.

Is there a plan to reduce use of natural gas fuelled combustion turbines, for example by using alternative fuels, co-generation, or dual-fuel capability? How is Manitoba Hydro supporting or investing in the development of local alternative fuel supplies (biofuels, RNG, hydrogen)?

Manitoba Hydro is exploring alternative fuels, alternative fuel credits, and carbon offsets as part of the near-term actions for the 2025 IRP. Manitoba Hydro would work with local proponents to explore a variety of mechanisms that could support emissions reductions from electricity generation to cost-effectively achieve a net-zero grid by 2035.

▶ **Cost and Rate Impacts**

What is the impact of the recommended development plan on electricity rates?

Electricity rates are established through a formal regulatory process involving Manitoba Hydro and the Manitoba Public Utilities Board. This process is separate and distinct from the IRP process and includes factors outside the scope of the IRP.

What are the costs of the individual resources in the recommended development plan?

The costs presented for the recommended development plan represent the portfolio of resources and include the costs for transmission and distribution upgrades that are above and beyond the costs to sustain existing assets. While costs for individual resource options will be provided in the 2025 IRP report, direct comparison of them is not straightforward because the value that a resource option provides to Manitoba's system depends on the characteristics of the portfolio it is in.

How do cost estimates in the IRP relate to cost estimates provided by the Provincial Government?

The cost estimates in the 2025 IRP analysis were developed at the time of analysis and are planning-level estimates used to compare proposed development plans (i.e. portfolios of resources). Project planning for the implementation of each of the resources in the recommended development plan will result in updated cost estimates as current and more detailed information is incorporated.

How does the cost of the alternative development plan compare to the recommended development plan?

The cost of the alternative development is approximately \$300 million less than the recommended development plan. The alternative development plan was not recommended because it has a lower potential for socio-economic benefits and has less alignment with Manitoba's Affordable Energy Plan.

Near-term Actions and Signposts

This section focuses on questions related to the near-term actions that will be completed over the next five years to implement the development plan and prepare for the next IRP, and the signposts that Manitoba Hydro will monitor to help understand how and how quickly the energy landscape is changing.

Many initiatives that support the energy transition are already occurring throughout Manitoba. How does Manitoba Hydro intend to work with organizations and partners across Manitoba to implement the development plan, prepare for the next IRP and continue ongoing planning?

Manitoba Hydro recognizes that we are only one player in our energy transition, and our future progress requires us to work together in collaboration with all Manitobans. We appreciate the time and effort Manitobans have taken to provide their feedback on the 2025 IRP and expand our collaborative relationships. Manitoba Hydro will leverage the feedback gathered and connections made during the 2025 IRP to continue collaborating with Manitobans to build alignment, provide timely, evidence-based advice, share outcomes and learnings from our energy planning, and advance economic reconciliation with Indigenous Nations.

What happens if resources in the development plan are delayed, including energy efficiency programs?

As part of the IRP's near-term actions, we will monitor progress on implementation of the recommended development plan and the new resources being developed. Every new

resource project will have its own project plan that outlines its business case, schedule, budget, and the risks that could cause delays. By tracking each project individually, we can monitor progress and spot issues early and address them.

Using our IRP signposts, we will also continue to monitor how actual electricity use grows so we can plan to remain sufficiently ahead of demand. By monitoring both project implementation and load growth, we can review our IRP analysis to see whether any adjustments are needed to the recommended development plan. This ensures we can continue to meet our customers' energy needs.

For efficiency programs, Manitoba Hydro will work closely with Efficiency Manitoba to monitor implementation and adjust programs as needed.

Links

- Mid-Project Information Session Questions and Answers: <https://www.hydro.mb.ca/docs/corporate/irp/2025-irp-july-info-session-q-and-a.pdf>
- Round 1 Engagement Questions and Answers: <https://www.hydro.mb.ca/docs/corporate/irp/2025-irp-round-1-q-and-a-EN.pdf>
- Canada's Greenhouse Gas Offset Credit System: <https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/output-based-pricing-system/federal-greenhouse-gas-offset-system.html>
- Round 1 Engagement Presentation: <https://www.hydro.mb.ca/docs/corporate/irp/2025-irp-round-1-presentation-122024.pdf>
- Six resource options: <https://www.hydro.mb.ca/docs/corporate/irp/6-irp-resource-options-v0725.pdf>
- Call for Wind Power: <https://www.hydro.mb.ca/corporate/call-for-wind-power/>

3. Indigenous Nations Leadership

The following information supplements Section 3.1 *First Nations Leadership* of [2025 IRP Engagement Report Appendix A](#).

The following information is provided in the subsequent sub-sections:

- 3.1. First Nations Leadership Round 2 Survey Process Summary
- 3.2. First Nations Leadership Round 2 Survey Report

3.1. First Nations Leadership Round 2 Survey Process Summary

The Round 2 First Nations Leadership Survey was open from December 9, 2025 to January 15, 2026. The survey was distributed to leadership of the 63 First Nations in Manitoba via email and hard copy letter on December 11, 2025. Emails included a link to the survey and letters included a QR code to access the survey. Follow-up reminder emails were sent on January 6, 2026 and January 13, 2026.

14 participants completed the survey. It is noted that the survey responses represented a small sample size. This data represents the input of those who chose to participate.

3.2. First Nations Leadership Round 2 Survey Report

2025-26 First Nations Leadership Survey

Survey Summary

To request accessible formats visit
hydro.mb.ca/accessibility.



Key Findings

This section presents the key findings from the 2025-26 First Nations Leadership Survey that was open from December 9, 2025 to January 15, 2026.

The insights gathered provide an overview of the feedback on the 2025 IRP road map and future energy planning engagement from those who responded to the survey (14 respondents). Identifying information has been removed from respondent comments.

Key Findings from Respondents

- Many respondents want Manitoba Hydro to be part of the solution by driving innovation, ensuring system reliability, attracting investment, ensuring affordable energy and supporting a diversified, future-ready energy grid.
- Respondents emphasized on the need for First Nations to be involved in early and meaningful engagement at all stages of energy planning and development. This includes consultation, opportunities for equity ownership, and shared decision-making.
- Investment in northern and remote communities is viewed as essential to reduce energy costs, address energy affordability, support new housing and development, and improve resilience given more severe weather conditions and higher energy demands.
- Respondents called for more investment in resources, training, and employment opportunities to support project development, potential ownership opportunities, and operation of energy projects, enabling communities to meet local energy needs while contributing to Manitoba's broader energy system.
- Existing policies and processes are viewed by some as rigid and not designed with First Nations realities in mind. Respondents would like to see more flexible programs, consistent policies for energy efficiency in new homes, faster service connection times, net metering, and a shift toward more solutions co-developed with communities.
- Some respondents expressed uncertainty about whether the Integrated Resource Plan aligns with existing community energy plans.

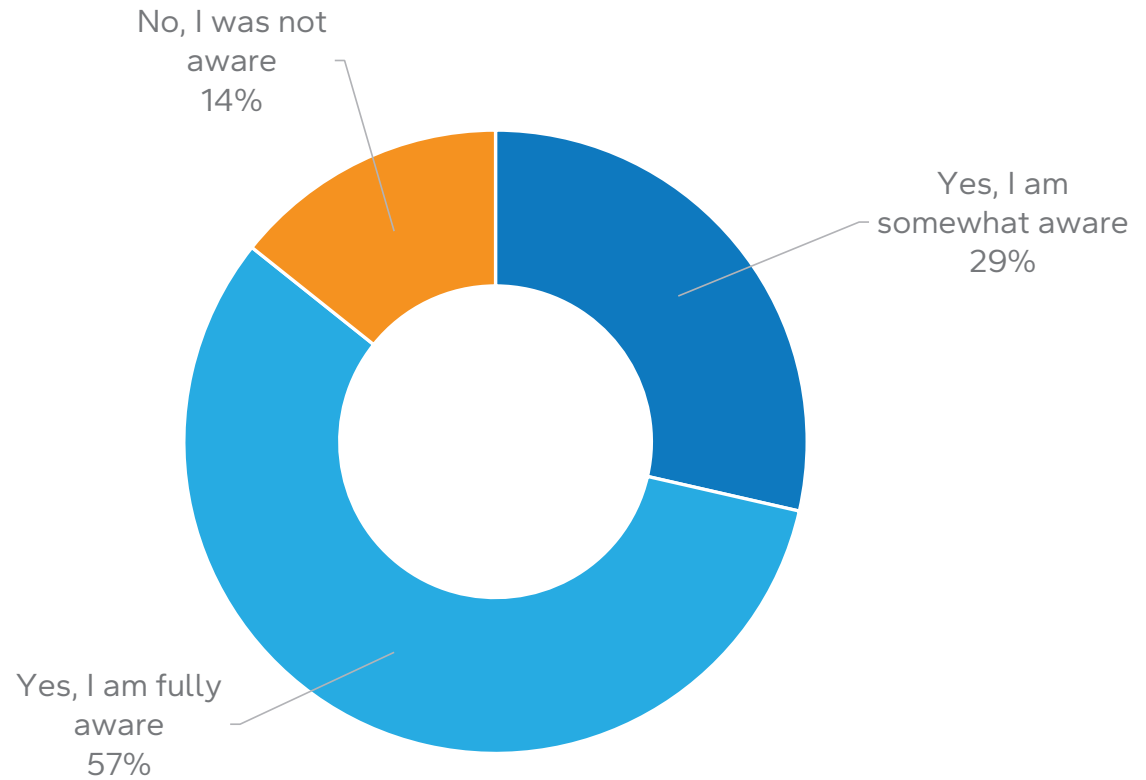
Survey Participants

- **Which of the following best describes your community?**
- The community has access to the Manitoba Hydro electric grid (14)
- **Which of the following best describes your role?**
- Employee (4)
- Chief or Councillor (7)
- External Advisor (2)
- Other: “[Leadership] and Advisors” (1)
 - Base: All respondents (n =14)

As you may know, Canada is committed to achieving net-zero carbon emissions by 2050. Reducing greenhouse gas emissions by shifting from the use of fossil fuels, such as gasoline, diesel, coal, and natural gas to low-carbon energy such as electricity or renewable fuels is referred to as the “energy transition”. Research from multiple sources predicts that the energy transition could result in electricity demand more than doubling in the coming years.

This would require new investments in Manitoba’s electricity system. Were you aware that Manitoba may require additional energy resources as early as 2030?
(multiple choice)

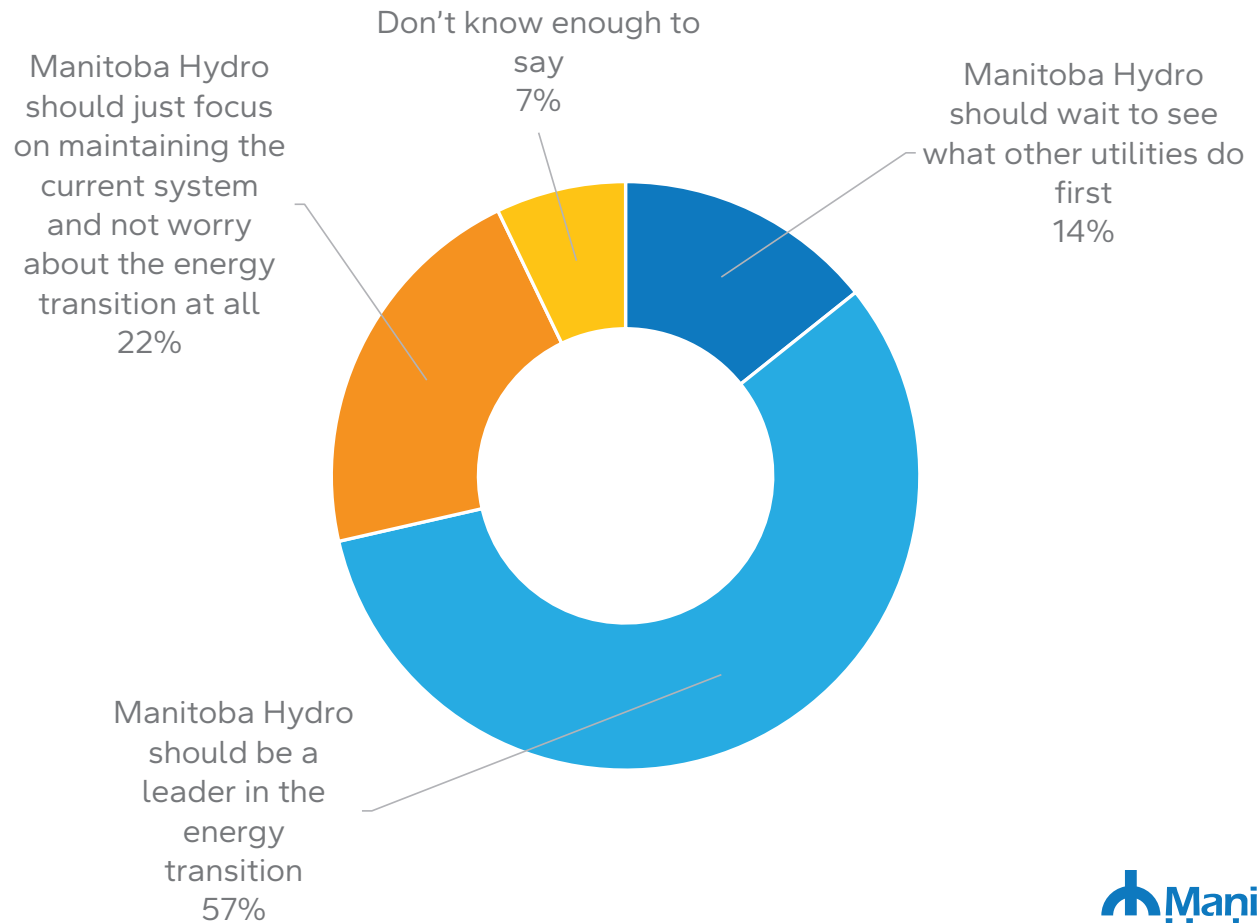
(n=14)



When it comes to the energy transition, some customers are saying they expect their energy utilities to take the lead by investing rapidly in new infrastructure and encouraging new energy choices, while others would prefer a wait-and-see approach, holding off on major investments until more information is available.

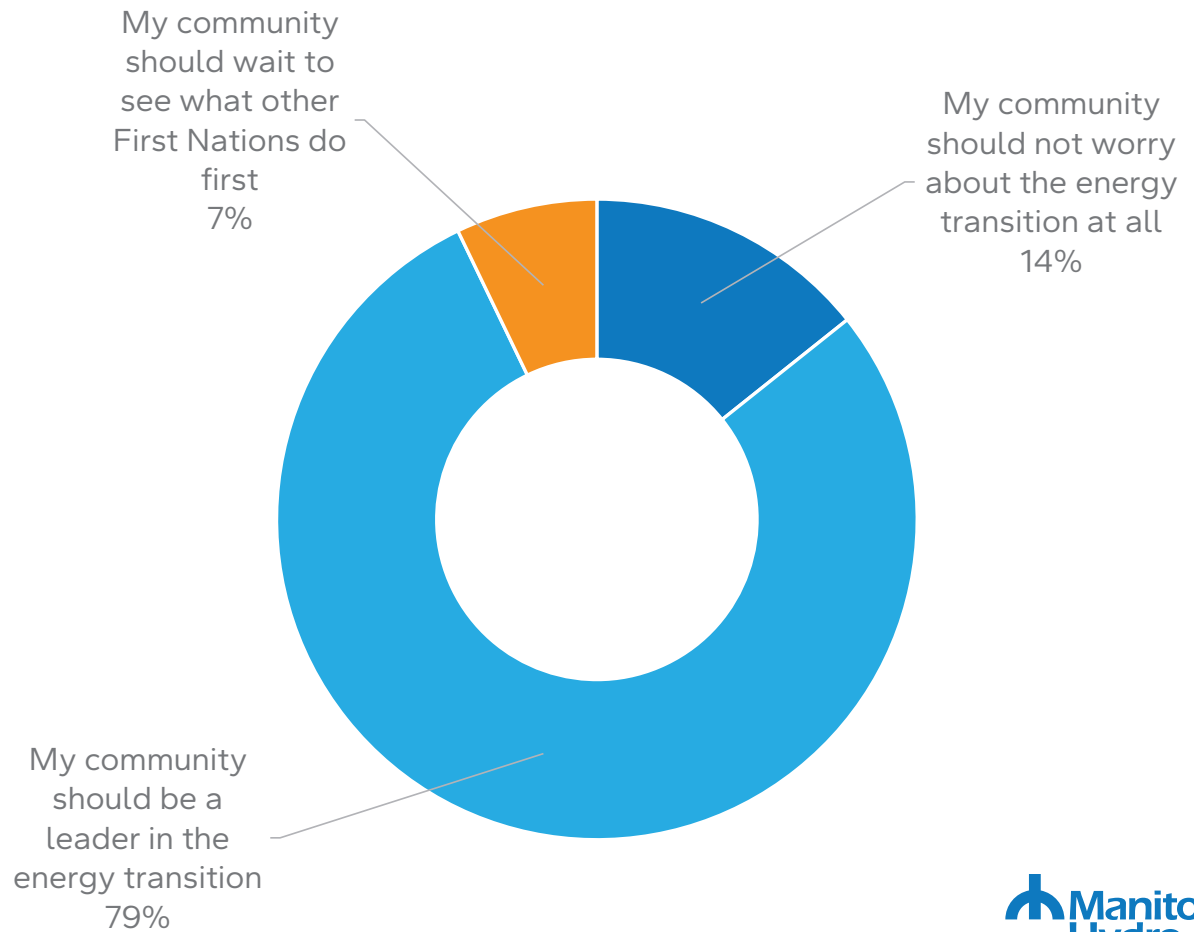
Which statement below best describes the approach you believe Manitoba Hydro should take when it comes to the energy transition?
(multiple choice)

(n=14)



Which statement below best describes the approach you would like your First Nation to take when it comes to the energy transition?
(multiple choice)

(n=14)



Do you have any questions or feedback on any of the road map components?

(Open text)

- Manitoba Hydro should focus on selling power to the highest bidder.
- The provincial government should partner with the business sector and nonprofit organizations to supply power to Manitoba.
- Manitoba Hydro must fully implement their agreements with First Nations before proceeding with any new development.
- Manitoba Hydro should invest in infrastructure in northern communities to meet efficiency goals and reduce energy costs.
- Meaningful partnerships between Manitoba Hydro and First Nations should include equity investment opportunities and greater First Nation control over new developments.
- Indigenous communities should lead energy planning efforts. Indigenous communities currently have inadequate power supply and have very high energy costs.
- Expression of support for the road map as presented with a strong desire to participate in energy solutions.
- The compensation Manitoba Hydro provides for alternative energy needs to increase, and the administrative red tape for proposed energy solutions should be reduced.
- Constructing of new dams should not be an option as the existing dam network has already caused significant damage to waterways.
- Addressing future energy needs is essential for economic growth. To attract new housing and business investments, Manitoba Hydro must explore alternative energy solutions and reconsider high-consumption activities like bitcoin mining.
- It is essential for First Nations to be active participants in all future energy projects like the Indigenous majority-owned wind call for power.
- Given that Canada contributes less than 1% to global emissions, focusing heavily on energy efficiency may not be the highest priority. While the goal is admirable, there are more pressing issues that require immediate attention.
 - (n=8)
 - Note: Comments have been paraphrased.

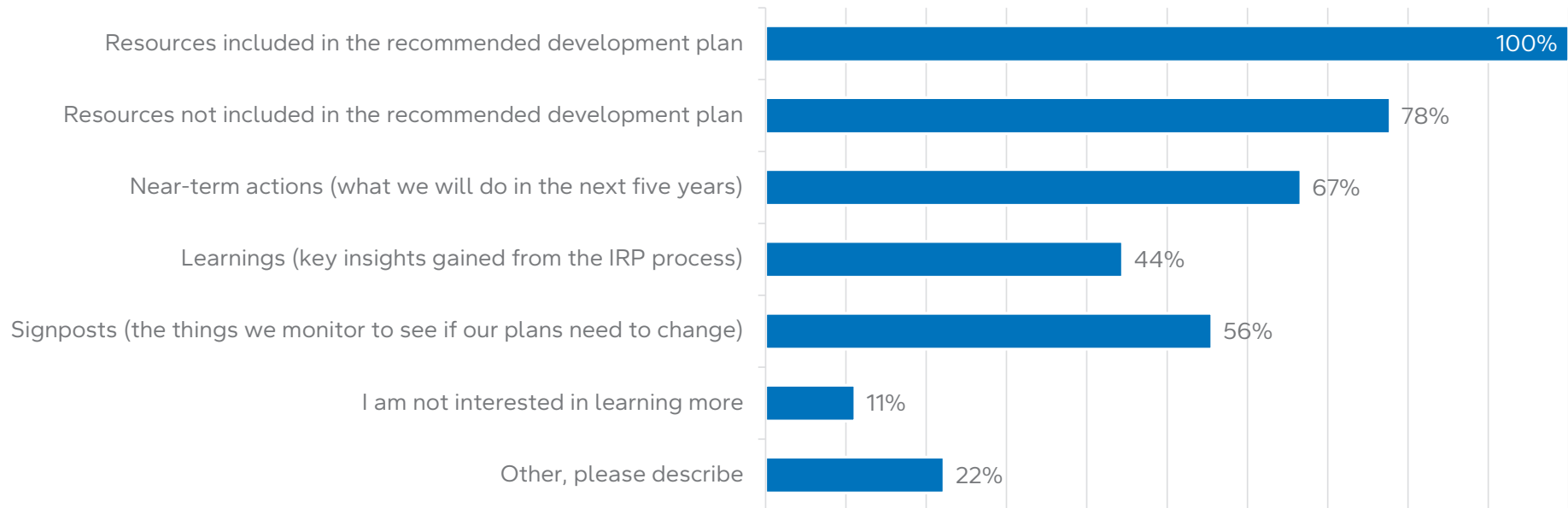
As part of our work, six options have emerged as feasible ways to meet energy demand over the next ten years. Do you have any feedback on these six options?

(Open text)

- Diversifying in all six areas is advisable.
- Many of the options are limited in Northern Manitoba and there needs to be consideration for how they could be implemented in the north.
- Biomethane may be a feasible option in the north that should be explored further.
- First Nations should have a meaningful role in the enhancements to existing hydropower, which could include equity participation.
- First Nations should be provided with capacity to explore advancing solutions to meet energy needs in Northern Manitoba and provide additional energy resources to the entire Province.
- It is very important to continue researching new ways to generate power.
- Natural gas should not be considered, and the focus should be on an aggressive plan for energy conservation to reduce energy needs.
- Loans should be provided for energy efficiency upgrades and paid off using the efficiency savings.
- Since commercial tenants are responsible for energy costs, there is little incentive for landlords to improve energy efficiency in their buildings, and this issue needs to be addressed..
- Wind should be considered a viable option anywhere in the province.
- All six options are important to address future energy needs in Manitoba.
- Climate change is impacting water levels and causing more forest fires. Steel poles should be considered instead of wood poles to address fire concerns.

- (n=6)
- Note: Comments have been paraphrased.

What parts of the 2025 road map are you interested in learning more about? (Multiple Choice – select all that apply)

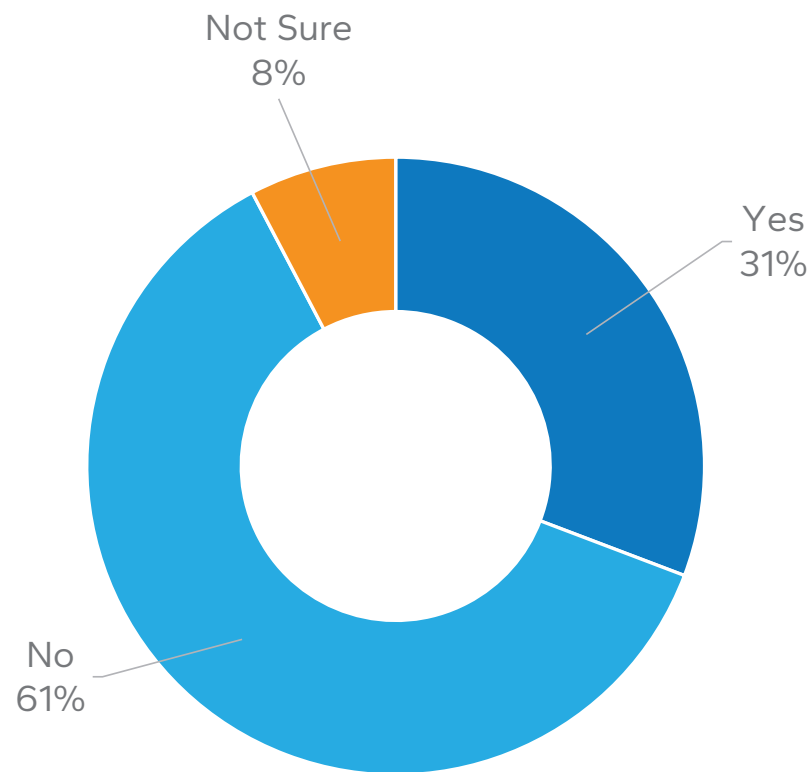


*Other: Nuclear power; ways that will make working with Hydro easier
(n=9)

Does your First Nation have a community energy plan?

(multiple choice)

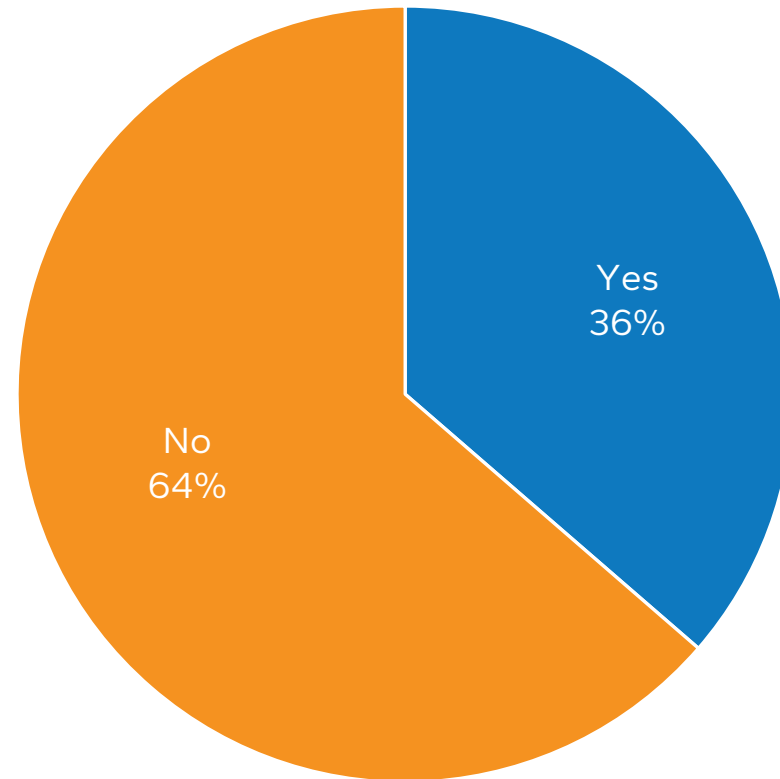
(n=13)



Has your First Nation applied for or received any funding from external parties (government or other) to enable local community energy planning or initiatives?

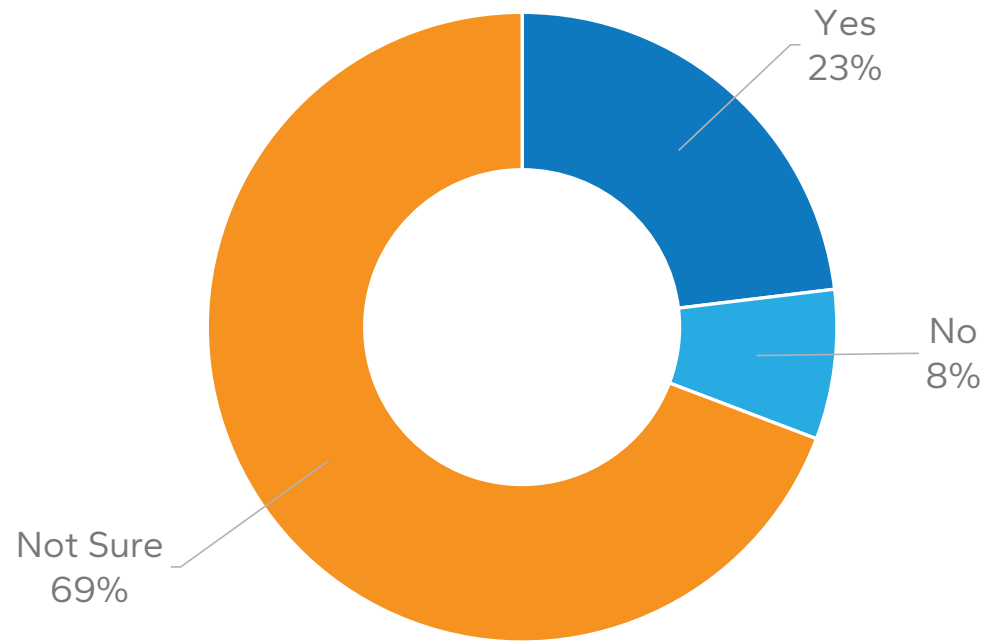
(multiple choice)

(n=11)



Thinking about your Nation's future energy needs and goals, does the IRP road map align with your energy plans and interests?

(multiple choice)



(n=13)

Why did you select that viewpoint?

(Open text)

Respondents expressed:

- Desire for energy independence.
- The importance of fairness for First Nations, including proper consultation and equity partnership opportunities. Meaningful participation includes being engaged from the beginning and not when plans have already been developed.
- Interest in finding new ways to generate power.
- Interest in wind power development in the north.
- Energy planning challenges associated with being remote, isolated community.
- Interest in home energy efficiency options.
 - (n=7)
 - Note: Comments have been paraphrased.

Are there specific needs or gaps you've observed in your community that aren't addressed by existing programs?

(Open text)

Respondents expressed:

- Desire for process to establish community-owned power systems.
- Timely installation of infrastructure and connections to new developments and residences is important.
- Desire for more investment and support for energy affordability in the North that takes into consideration that more severe weather in the North means higher energy costs than urban locations in the South.
- Desire to create greater awareness of Efficiency Manitoba programs.
- Hydro power is becoming very expensive.
- The systems and processes for working with Manitoba Hydro are rigid and inflexible and were not developed with consideration for how First Nations operate.
- Desire for upgrade of homes to 200 amps.
- Concern about energy affordability issues within communities.
- Desire for notification of impending service disconnections to better assist community members. Disconnections have been occurring without notice in recent years. Timely notification of planned disconnections allows the community to work with members to prevent disconnections.
- They were not sure.
 - (n=7)
 - Note: Comments have been paraphrased.

How can Manitoba Hydro help with your community's energy planning conversations?

(Open text)

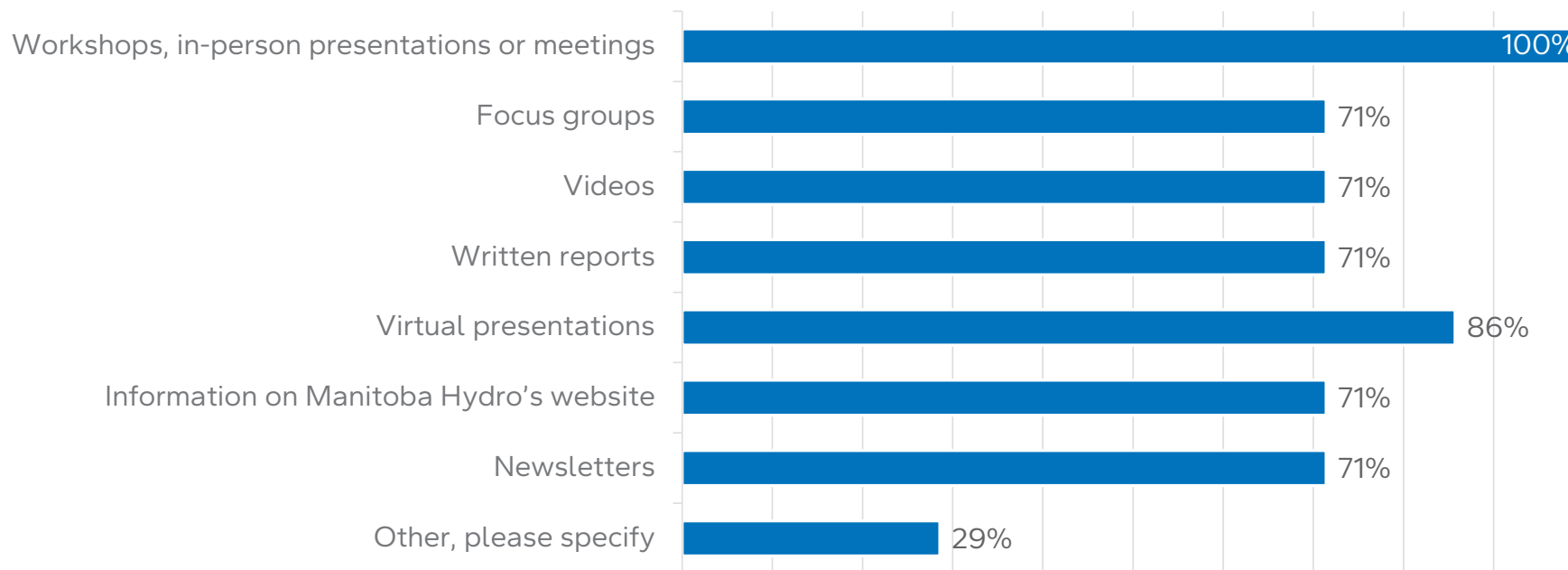
- Work with communities to support self-sufficiency and to ensure a safe and reliable system, including regular maintenance and redundancy systems.
- Provide funding, services and training for communities to develop their own plans.
- Arrange additional discussions with communities.
- Work in partnership with First Nations. Manitoba Hydro needs to learn how to better work with communities.
- Provide funding opportunities for residential energy upgrades.
- Meet with Chief and Council, Departments and community members in-person to discuss energy planning.
- Provide support to create a plan that ties in with the IRP.
 - (n=7)

Do you have any other questions or comments about Manitoba Hydro's energy planning?

(Open text)

- First Nations need to be at the forefront of the IRP.
- Early and meaningful participation with First Nations is needed.
- There should be opportunities for equity participation on both generation and transmission projects.
- First Nations must be provided with training and employment opportunities for the implementation of the development plan.
- Energy planning needs to consider the unique needs and circumstances of the North.
- Has there been any consideration of the feasibility of micro-dams to generate local hydroelectricity?
- Northern representation on the Manitoba Hydro Board should be required to reflect the realities of living in the North.
- Communities should be engaged for potential solutions rather than to understand how they can participate in a plan that has already been developed.
- Net metering should be a priority.
- A diversified grid should be developed.
- Manitoba Hydro should change its name to Manitoba Energy to reflect a focus on energy and not just hydroelectricity.
- New residential energy policies need to be the same for all communities
 - (n=3)

How would you prefer to engage with Manitoba Hydro on energy planning? (Multiple Choice – select all that apply)



*Other: Phone/office to direct or steer through information, Direct and ongoing engagement and meetings with First Nation leadership (n=7)

4. Technical Advisory Committee (TAC)

The following information supplements Section 6 of [2025 IRP Engagement Report Appendix A](#).

The following information is provided in the subsequent sub-sections:

- 4.1. TAC Engagement Process Summary
- 4.2. TAC Presentations
- 4.3 TAC Meeting Summaries

4.1. Engagement Process Summary

The following information supplements Section 6.1 of [2025 IRP Engagement Report Appendix A](#).

Meeting #9 – April 28, 2026

Held in person at the Delta Hotel, 350 St Mary Ave, Winnipeg, MB.

This meeting was facilitated by Urban Systems Ltd. with presentations from IRP team members. It focused sharing how Manitoba Hydro arrived at the Recommended Development Plan, providing an opportunity to ask questions about the 2025 IRP Road Map, receiving feedback on the 2025 IRP TAC engagement, and exploring considerations for ongoing engagement and future planning. Break out discussions provided an opportunity for participants to discuss and provide feedback on the TAC engagement for the 2025 IRP.

4.2. Presentations

The following information supplements Section 6.4 of [2025 IRP Engagement Report Appendix A](#).

This section includes the following materials:

- Presentation: Technical Advisory Committee Meeting #9



2025 Integrated Resource Plan

Technical Advisory Committee
Meeting #9

April 28, 2026

To request accessible formats
visit hydro.mb.ca/accessibility.



Land acknowledgement

Manitoba Hydro has a presence right across Manitoba—on Treaty 1, Treaty 2, Treaty 3, Treaty 4 and Treaty 5 lands—the original territories of the Anishinaabe, Anishinew, Cree, Dakota, and Dene peoples and the National Homeland of the Red River Métis.

We also acknowledge the ancestral lands of the Inuit in northern Manitoba.

We acknowledge these lands and pay our respects to the ancestors of these territories. The legacy of the past remains a strong influence on Manitoba Hydro's relationships with Indigenous communities today, and we remain committed to establishing and maintaining strong, mutually beneficial relationships with Indigenous communities.

Purpose of today's meeting

- Share how we got to the recommended Development Plan.
- Provide an opportunity to ask questions about the 2025 IRP Road Map.
- Gather feedback about TAC engagement on the 2025 IRP.
- Explore considerations for ongoing engagement and future planning.

Agenda

1. Introductions
2. 2025 IRP Road Map Recap
3. How we arrived at the Recommended Development Plan
4. 2025 IRP Regulatory Process
5. Activity: Feedback on 2025 IRP TAC Engagement
6. Lunch
7. Implementing the Road Map and Future Energy Planning
8. Discussion
9. Closing

Housekeeping

- Materials at your tables
- Microphones
- Washrooms
- Guest Wi-Fi
- Evacuation procedure
- Cell phones
- Pictures or Recordings
- Accessibility

Welcome!

- **Introductions**

- Name & organization
- Share a highlight from the 2025 IRP TAC process

Since we last met...

- New TAC Chair.
- Thank you to those who responded to the pre-session survey.
- Manitoba Hydro filed the 2025 IRP Report with the Public Utilities Board for regulatory review and to provide their recommendations to the Government of Manitoba.

2025 IRP Road Map Recap

8 | April 2026

2025 IRP - TAC Meeting #9



Road map

The steps we need to take to ensure we're ready for the energy future



Recommended & alternative development plans to 2035

A sequence of actions and investments that meet future energy needs, providing flexibility and alternatives.

Learnings

What we've learned throughout the IRP development process.

Near-term actions

What we need to do over the next five years.

Signposts

Indicators of changes in the energy landscape.

The Recommended Development Plan is not...

- A **standalone strategy for reaching a net-zero economy** in 2050;
- A **commitment to building** any major new facilities;
- A plan with **project-specific details**, like construction locations or timelines;
- A **solution for all Affordable Energy Plan mandates or directives**;
- An **exhaustive list of all investments Manitoba Hydro must make** to effectively serve future energy needs.

Recommended and Alternative Development Plans

Feasible Resource Options	Recommended Development Plan	Alternative Development Plan
Efficiency Plan Projection	450	450
Demand Response Including Curtailable Rate Program	310	310
Additional Energy Efficiency Programs	100	0
Total Customer Side Solutions	860	765
Wind*	120	140
Battery Storage	5	5
Enhancements to Existing Hydropower	25	0
Combustion Turbine fuelled by Natural Gas/Biomethane	750	850
TOTAL	1760	1760

*120 MW of accredited capacity of wind is equivalent to 600 MW of installed wind; 140 MW accredited is equivalent to 700 MW installed

2025 IRP Development Process



Step 1. Setting direction

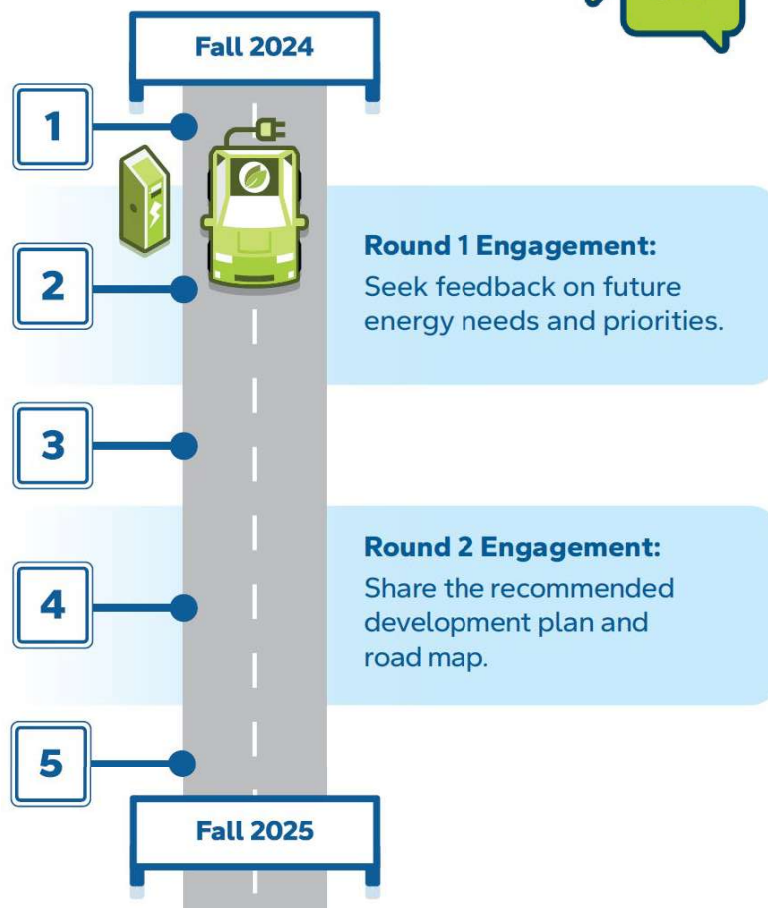
Step 2. Develop key inputs and scenarios

Step 3. Modelling, analysis and evaluation

Step 4. Preliminary Recommendation

Step 5. IRP Roadmap

Today's focus



How we arrived at the Recommended Development Plan

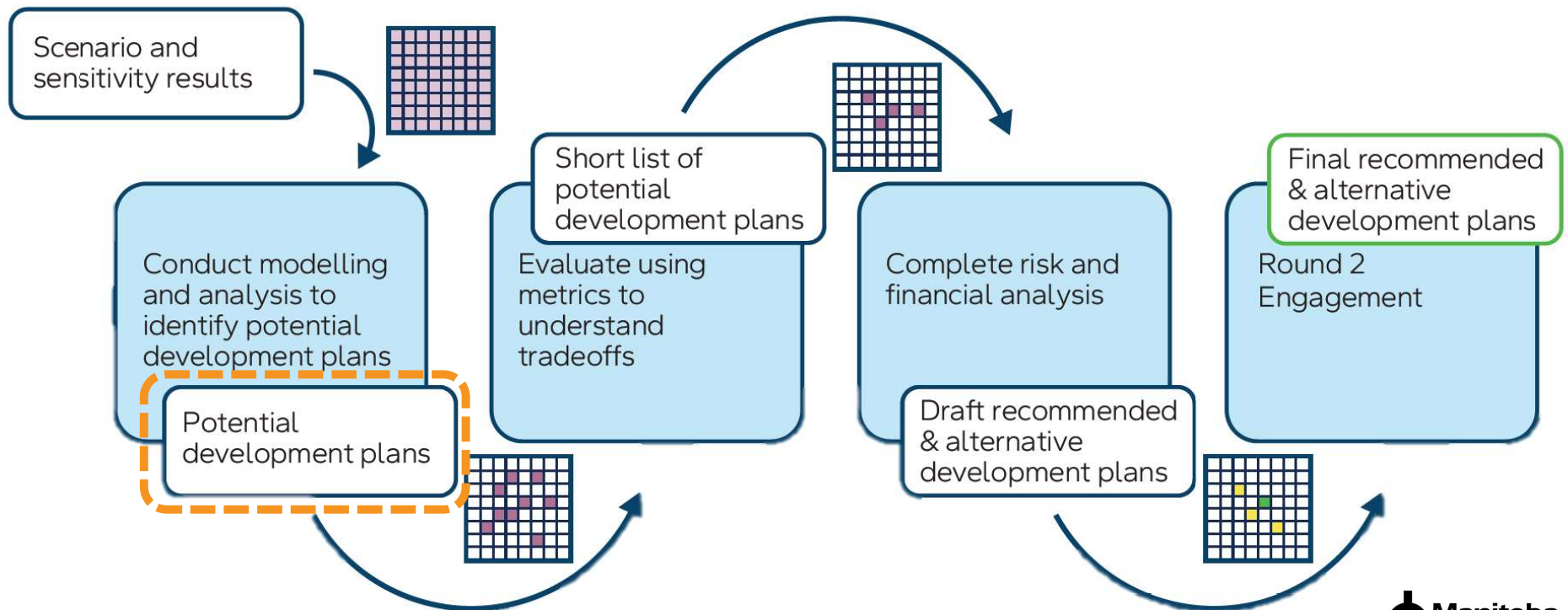
A closer look at our process

14 | April 2026

2025 IRP – TAC Meeting #9

Evaluation and Recommendation – Potential Development Plan Formulation

Modelling and analysis was used to formulate the potential development plans



Formulating 10 potential development plans

Plans taken forward for evaluation and shortlisting

Potential development plans were formulated to:

- Include different combinations and sequencing of the **six feasible resource options**;
- Align with the Government of Manitoba's **Affordable Energy Plan**;
- Comply with **net-zero grid by 2035** requirements;
- Provide a **pathway to a net-zero economy by 2050**;
- Include a **minimum of 600 MW** of Indigenous majority-owned wind;
- **Reflect feedback** from public engagement; and
- Consider **all 2025 IRP load projections**.

Reminder of the six feasible resource options

- Efficiency Plan Projection and additional energy efficiency programs;
- Demand response and curtailable rate programs;
- Wind power;
- Enhancements to existing hydropower resources;
- Short-term utility scale battery storage; and
- Combustion turbines fuelled by natural gas/biomethane.

The 10 potential development plans fall into three groups

Lower Cost Plan

- **Four** potential development plans.
- **Test various quantities of combustion turbines** fuelled by natural gas, along with the use of alternative resources.

Maximized Alternatives Plans

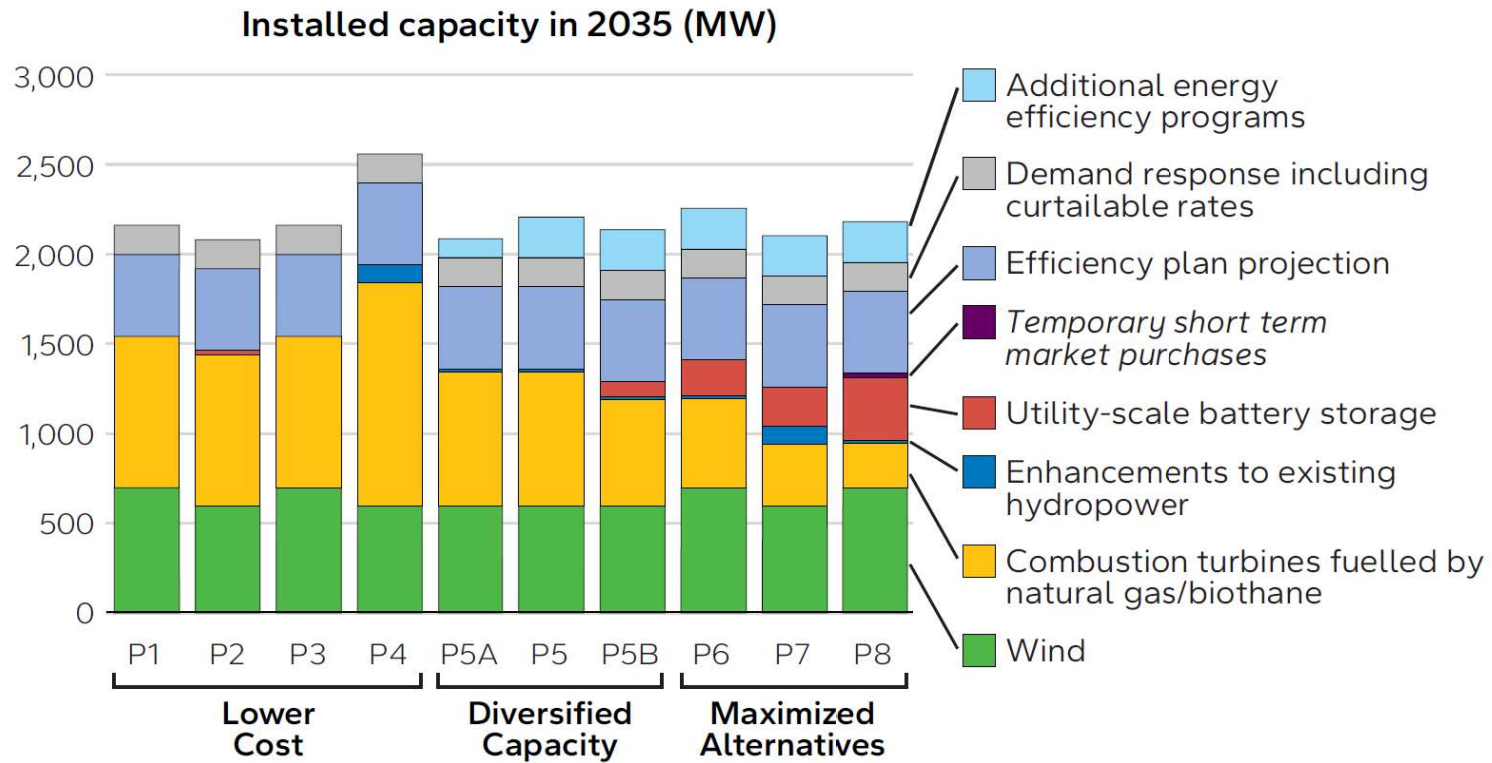
- **Three** potential development plans.
- Test **alternate resource options to minimize the quantity of combustion turbines**, such as:
 - Additional energy efficiency programming;
 - Batteries;
 - Enhancements to existing hydrogeneration.

Diversified Capacity Plans

- **Three** potential development plans.
- Test **more potential balance** between combustion turbines fuelled by natural gas and alternative resource options.

The 10 potential development plans

Different combinations, sequences, and quantities of six feasible resource options



Evaluating plans using metrics to understand trade-offs

Applying evaluation metrics for a fuller picture of 10 potential plans



Manitoba Hydro compared each plan to criteria in nine evaluation metrics.

- This helped us understand how the resources selected and the assumptions in a potential development plan perform **across all 2025 IRP load projections.**
- Evaluation metric scores drove the scores of their corresponding **evaluation themes** (reliability, costs, environmental, and socio-economic).



Reliability

Adequate Supply
Resource Diversity
Technology Maturity



Costs

Net System Costs
Customer Direct Costs



Environmental

GHG Emissions
Environmental Risk
Considerations (non-GHG)

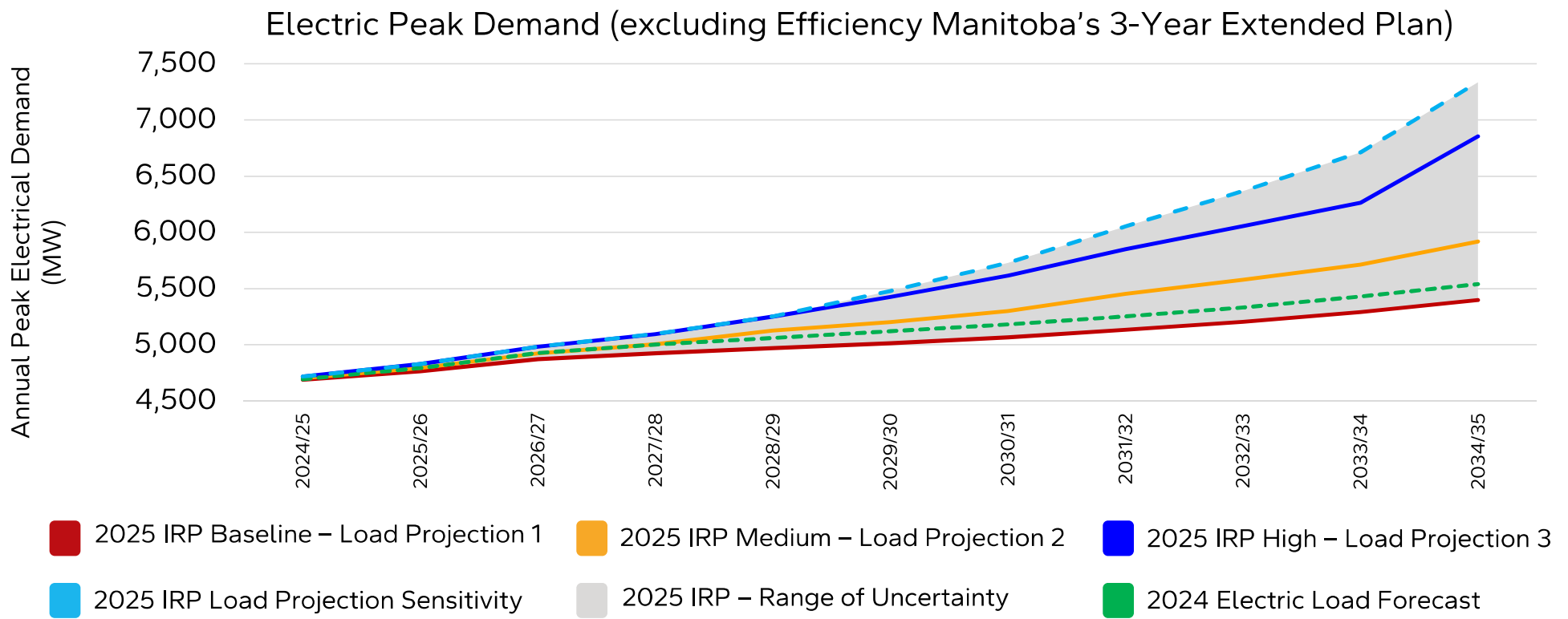


Socio-Economic

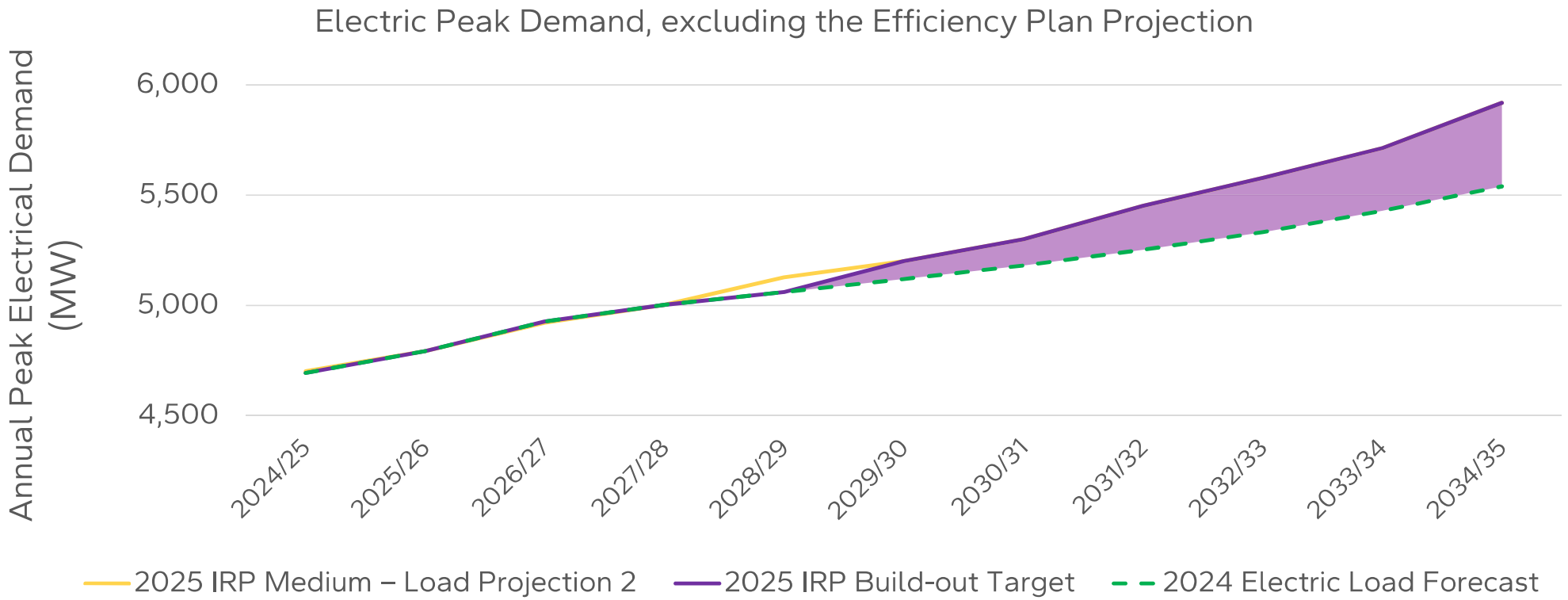
Economic Reconciliation
Economic Opportunity

Establishing a build-out target

Target narrows the approx. 2,000 MW range of uncertainty by 2035

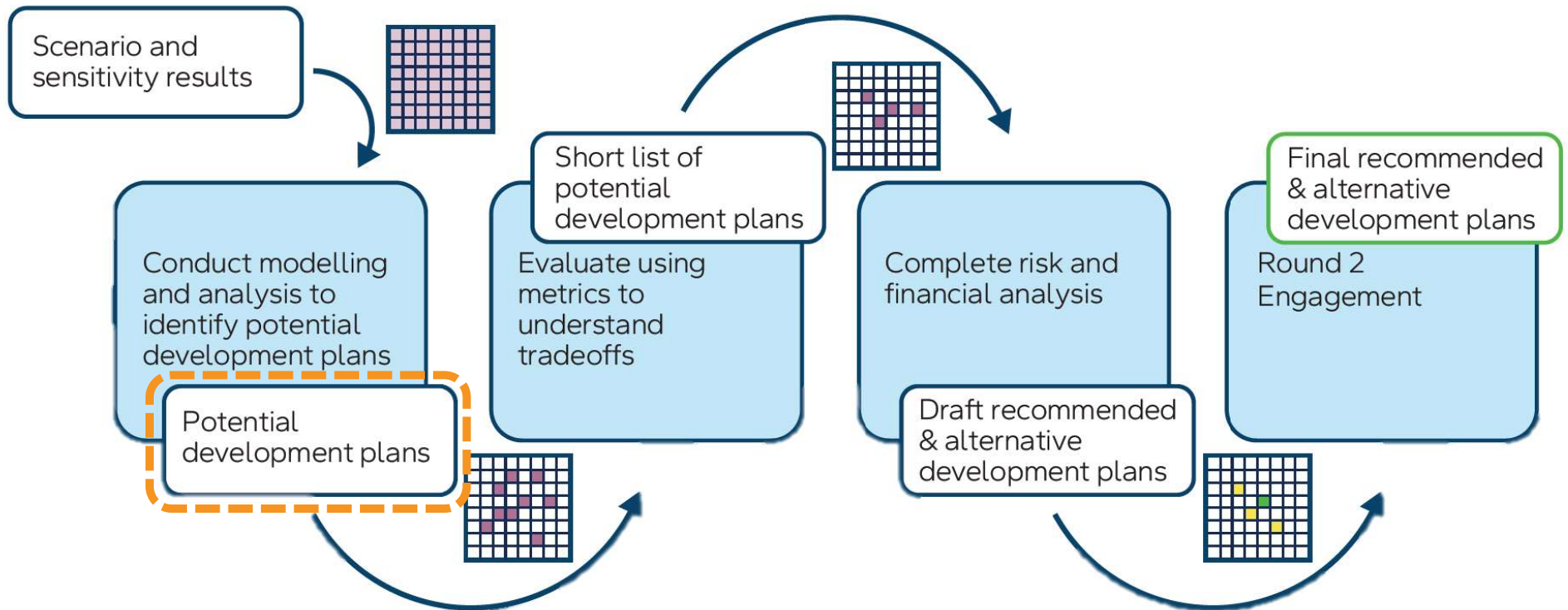


2025 IRP build-out target



Evaluation and Recommendation – Plans to be Evaluated

10 Potential Development Plans established



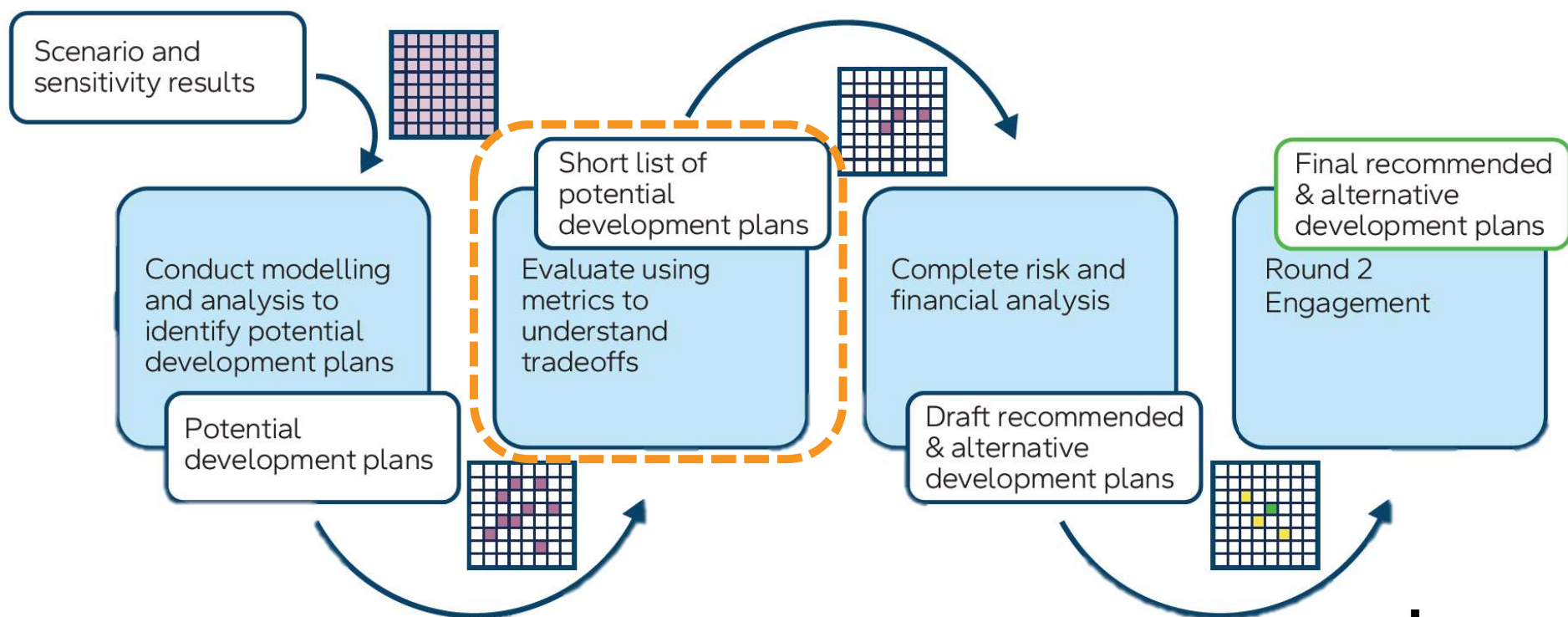
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23 | April 2026

2025 IRP – TAC Meeting #9

Evaluation and Recommendation - Evaluation

Getting the 10 potential development plans to a short list



Evaluation scorecard: 10 potential development plans

Plans compared only within groupings (not across groupings)

Potential Development Plan		Reliability	Costs	Environmental	Socio-Economic
Lower Cost Plans	P1	Less Favourable	More Favourable	Neutral	Neutral
	P2	Less Favourable	More Favourable	Neutral	Neutral
	P3	Neutral	More Favourable	Neutral	Neutral
	P4	Neutral	Neutral	Neutral	Neutral
Diversified Capacity Plans	P5A	Neutral	Neutral	Neutral	More Favourable
	P5	Neutral	Neutral	Neutral	More Favourable
	P5B	Neutral	Neutral	Neutral	More Favourable
Maximized Alternatives Plans	P6	Neutral	Less Favourable	Neutral	Neutral
	P7	Neutral	Neutral	Neutral	More Favourable
	P8	Less Favourable	Less Favourable	Neutral	Neutral

Shortlisting to five potential development plans

Applying evaluation metrics and a build-out target to develop a short list

- Plans were shortlisted if they:
 - ✓ Performed well on their **evaluation scores** within their group;
 - ✓ Met the **build-out target to 2035**; and
 - ✓ Contributed to a short list of potential development plans that are **measurably different**.

Evaluation scorecard: 10 potential development plans

Five plans eliminated based on evaluation and build-out target

Potential Development Plan		Reliability	Costs	Environmental	Socio-Economic	Build-out Target Status
Lower Cost Plans	P1	Less Favourable	More Favourable	Neutral	Neutral	Does Not Meet
	P2	Less Favourable	More Favourable	Neutral	Neutral	Does Not Meet
	P3	Neutral	More Favourable	Neutral	Neutral	Meets
	P4	Neutral	Neutral	Neutral	Neutral	Meets
Diversified Capacity Plans	P5A	Neutral	Neutral	Neutral	More Favourable	Meets
	P5	Neutral	Neutral	Neutral	More Favourable	Meets
	P5B	Neutral	Neutral	Neutral	More Favourable	Meets
Maximized Alternatives Plans	P6	Neutral	Less Favourable	Neutral	Neutral	Does Not Meet
	P7	Neutral	Neutral	Neutral	More Favourable	Meets
	P8	Less Favourable	Less Favourable	Neutral	Neutral	Does Not Meet

Short list of five potential development plans



Lower Cost Plans

P3: Prioritizes cost and reliability by employing combustion turbines in near-term. More wind provides additional social-economic benefits.



Diversified Capacity Plans

P5: Includes alternative dispatchable capacity resources and enhances reliability through additional combustion turbines. Maximizes energy efficiency, providing additional socio-economic benefits.

P5A: Maintains reliability of P5 by employing combustion turbines, while building closer to the build-out target through reduced reliance on additional energy efficiency programs.

P5B: Maintains the socio-economic benefits of P5 through maximizing additional energy efficiency programs, while building closer to the build-out target through smaller combustion turbine selections.

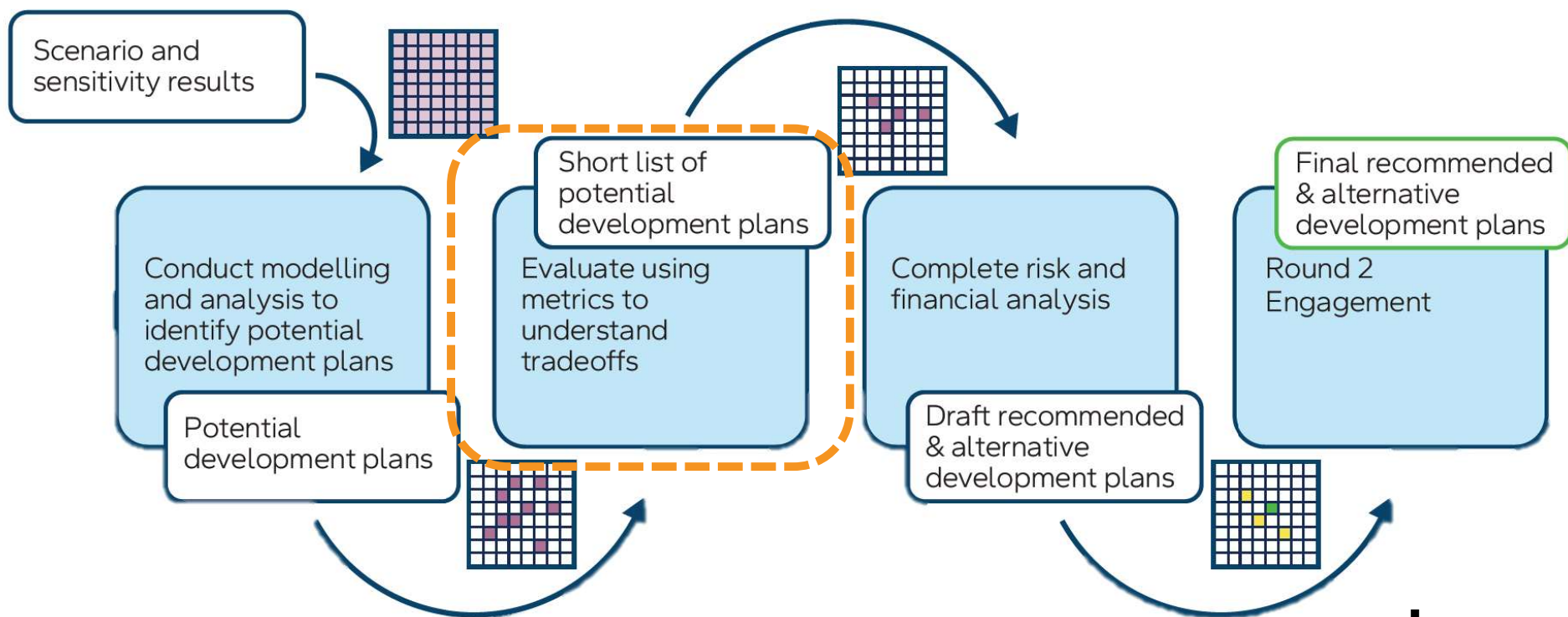


Maximized Alternatives Plans

P7: Prioritizes alternative dispatchable capacity resources to minimize reliance on combustion turbines in the near-term. Maximizes energy efficiency, providing additional socio-economic benefits.

Evaluation and Recommendation – Short List

5 plans remain for further consideration after evaluation



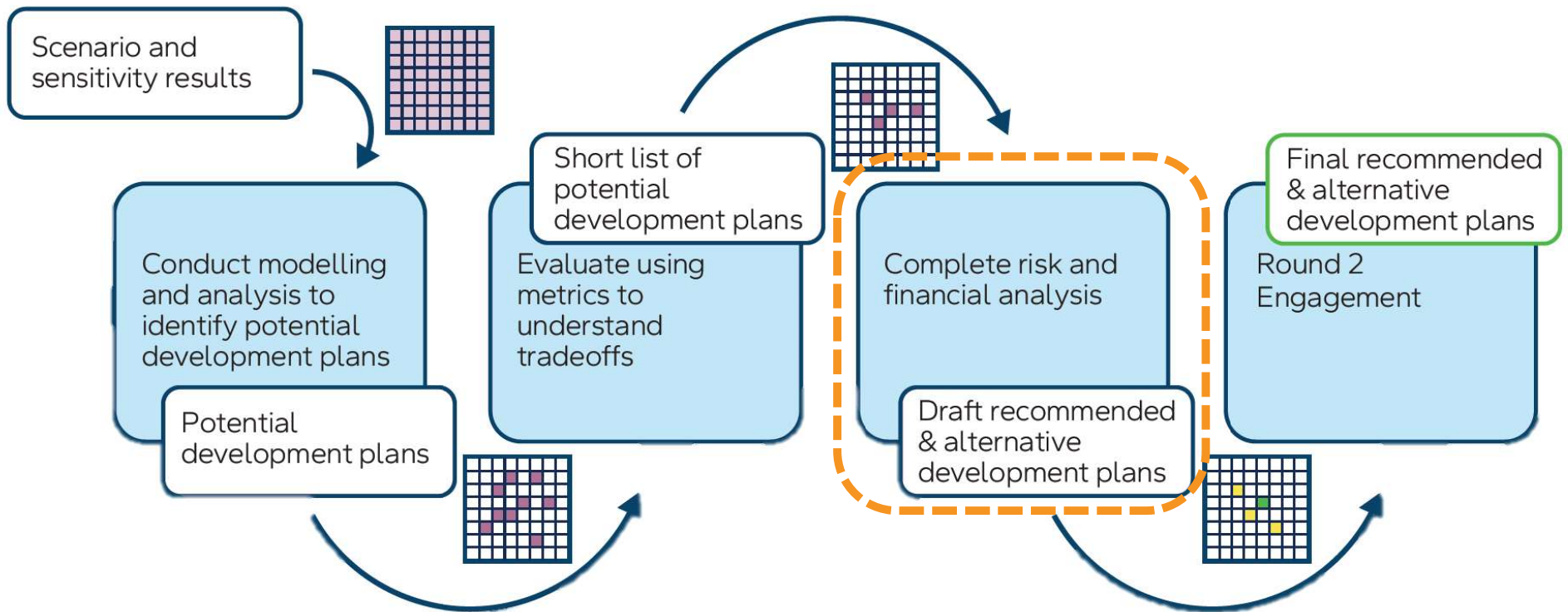
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30 | April 2026

2025 IRP – TAC Meeting #9

Evaluation and Recommendation – Risk and Financial Analyses

The short list to be further analyzed



Risk analysis: overall risk scores

No plan is fully robust to larger risks, but there are measurable differences

Risk	Potential Development Plan				
	P3	P5A	P5	P5B	P7
Execution	20	20	20	20	20
HVDC Failure	16	16	16	20	20
Economic	16	16	16	16	20
Demand	12	12	12	12	15
Regulation	12	12	12	16	16
Resource Effective Capacity	3	3	3	3	3
Long-Term Generation & Distribution Reliability	9	9	9	9	9
Sovereignty	2	2	1	1	1
Performance of Energy Efficiency	8	8	8	8	8
Extreme Weather	4	4	4	3	3
Reputation	12	12	12	12	9
T&D Execution and Capex	20	20	20	20	20

Ratings
Very High
High
Medium
Low

Financial analysis: capital investments

To 2035, capital investments would range between \$3.1B and \$4.0B

Potential Development Plans	Capital Investments to 2035 (\$ billions, nominal)
Lower Cost, P3	\$3.1
Diversified Capacity, P5A	\$3.4
Diversified Capacity, P5	\$3.9
Diversified Capacity, P5B	\$3.9
Maximized Alternatives, P7	\$4.0

Risk and financial analysis outcomes

Three plans eliminated; two plans move to recommendation stage

Potential Development Plan	Investment	Risk	Summary
P3	✓	✓	✓
P5A	✓	✓	✓
P5	✗	✓	✗
P5B	✗	✗	✗
P7	✗	✗	✗

Pass/Fail Thresholds*

- **Risk:** Maximum of one risk rating.
- **Capital Investment:** Within 600M of lowest cost.

Outcomes:

- **P3 and P5A** are the best-performing plans, passing all investment, and risk thresholds. Additional assessment is needed to determine which forms the basis for the draft recommended development plan.
- **P5, P5B, and P7** are no longer considered as they do not sufficiently meet the investment, and risk thresholds. They are excluded from further consideration.

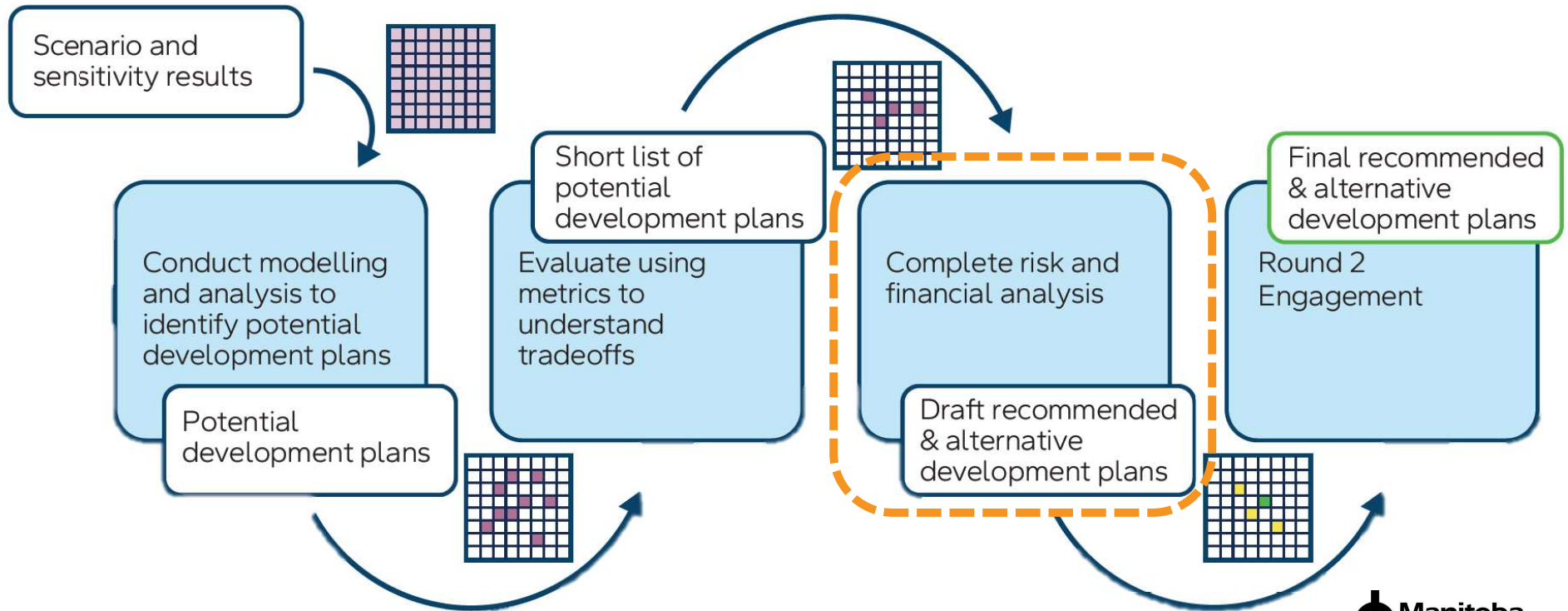
Assessing best alignment with Affordable Energy Plan and government mandates for Manitoba Hydro

Directives/objectives	P3	P5A
Maintain Affordability	✓ Lowest projected investment.	✓ Higher projected investment within financial threshold.
Expand Energy Efficiency	✗ Only includes efficiency plan projection.	✓ Includes additional energy efficiency above the efficiency plan projection.
Indigenous Majority Owned Wind	✓ Includes up to 700 MW of wind.	✓ Includes 600 MW of wind.
Hydro Station Refurbishments	✗ No enhancements to existing hydropower.	✓ Includes enhancements to existing hydropower.
Net-zero grid by 2035	✓ Meets net-zero grid by 2035.	✓ Meets net-zero grid by 2035.
Path to net-zero economy by 2050	✓ Enables a path to net-zero economy by 2050.	✓ Enables a path to net-zero economy by 2050.

P5A is the recommended development plan, because it better aligns with the Government of Manitoba's Affordable Energy Plan.

Evaluation and Recommendation – Draft Recommendation

P5A selected as the recommended development plan



Check in

2025 IRP Regulatory Process

Purpose – The Manitoba Hydro Act

Per the MH Act 38.1(1) – the IRP needs review and approval by the Government of MB. The Government can, and has, referred the IRP for review and recommendations by the Public Utilities Board 38.1(4) and has provided Order in Council (“OIC”) 12/2026 which outlays the Terms of Reference setting out the expectations for the review

The IRP and the recommended development will act as a critical portion (the needs for and alternatives to) of the Major New Facility Review 16(4) required for the construction of the 750 MW of new dispatchable capacity.

PUB Review of the 2025 IRP

The process of the review is similar to that of General Rate Application which includes:

- Manitoba Hydro Submission including a supplemental submission by Efficiency Manitoba
- Interveners including supporting experts
- Information Requests
- Oral hearings
- Final recommendation

Follow the process online on the PUB website:
[Province of Manitoba | v1 - MH 2025 Integrated Resource Plan](#)

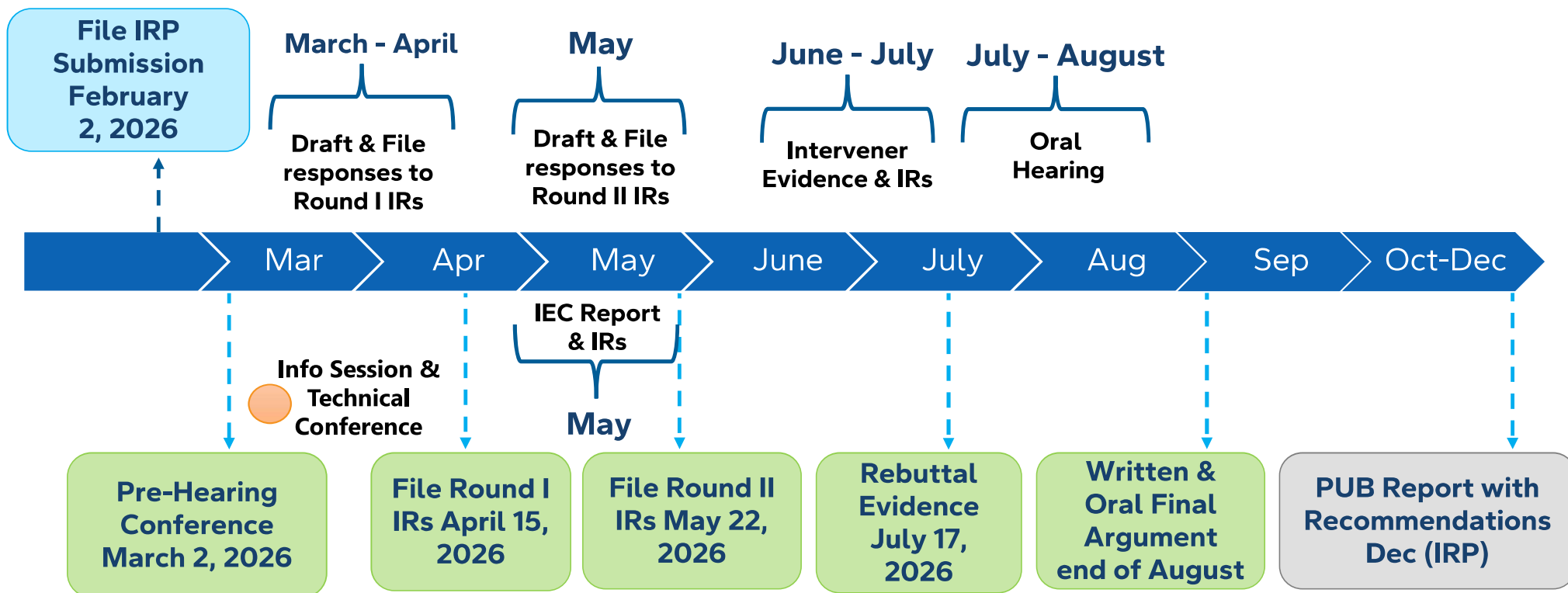
Independent Expert Consultant – Daymark Energy Advisors

The role of the Independent Expert Consultant (“IEC”) is to provide an independent professional assessment of Manitoba Hydro’s 2025 Integrated Resource Plan and assist the Public Utilities Board (“Board”) and approved Interveners in assessing the plan.

“The IEC’s obligation is to provide an independent professional opinion even if that opinion conflicts with that of Manitoba Hydro, the Government of Manitoba, or the Board. The IEC is not to advocate on behalf of Manitoba Hydro or to negotiate with the Government of Manitoba regarding the scope or content of the IRP.”

Daymark has been reviewing the IRP and IRP process since May of 2025 and will submit a report for the PUB and Interveners to review on April 24, 2026.

Tentative Timeline for IRP Regulatory Review



Check in

10 Minute Break

Engagement Activity

Feedback on 2025 IRP TAC Engagement

45 | April 2026

2025 IRP – TAC Meeting #9

Feedback on the Technical Advisory Committee Engagement

- TAC value and composition (10 minutes)
- Information sharing and feedback gathering (15 minutes)
- Feedback integration and process flexibility (10 minutes)
- Speed round (5 minutes)

Join at [menti.com](https://www.menti.com) | use code 5941 0582

Go to
www.menti.com

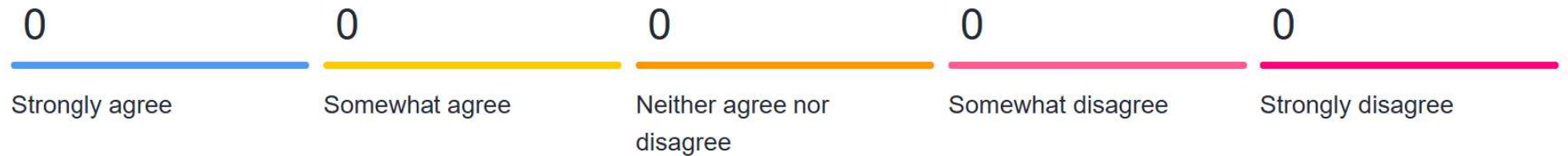
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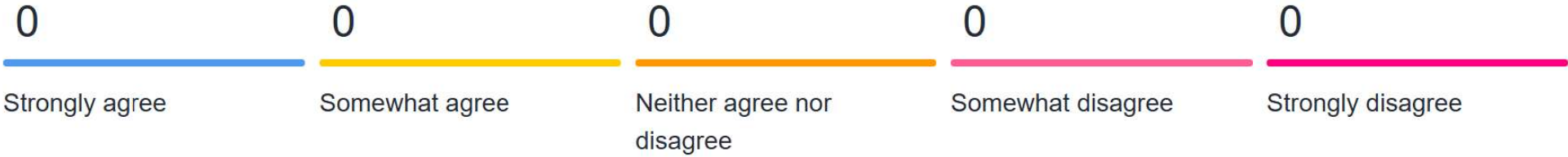


Or use QR code

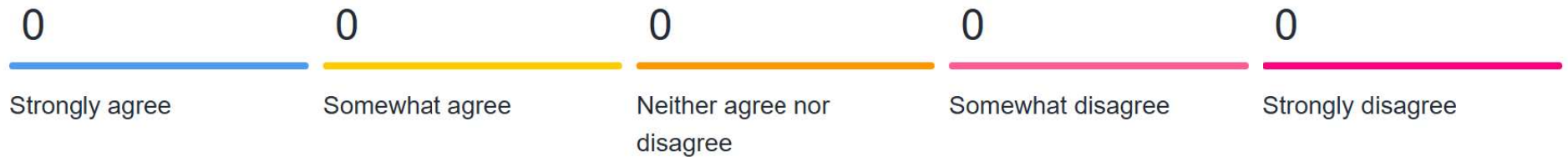
I feel my participation in the TAC for the 2025 IRP supported Manitoba Hydro in understanding my perspectives pertaining to evolving energy needs.



The TAC represented diverse perspectives from various Manitoba groups actively interested in long-term energy planning.



Participating in the TAC helped me gain a better understanding of new or different perspectives from others.



Discussion 1 Guiding Questions

TAC Value and Composition

- What were the most valuable parts of the TAC process for you?
- Along the way, did you think of any organizations or perspectives you thought would add value to the TAC?
- Did the TAC result in any connections that you leveraged to meet your own goals outside the IRP?
- Are there things you learned from each other that expanded your perspective?

The amount of information shared with the TAC was:



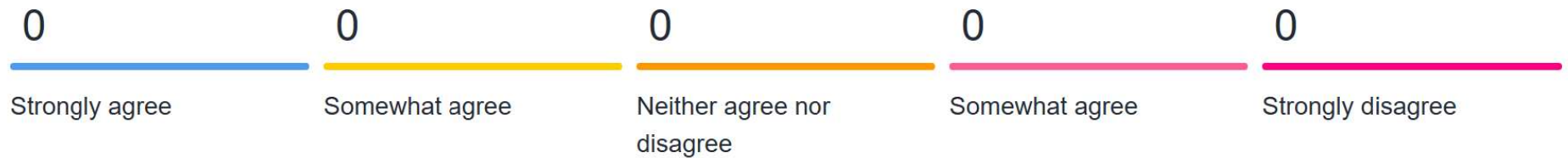
The clarity of information shared with the TAC was:



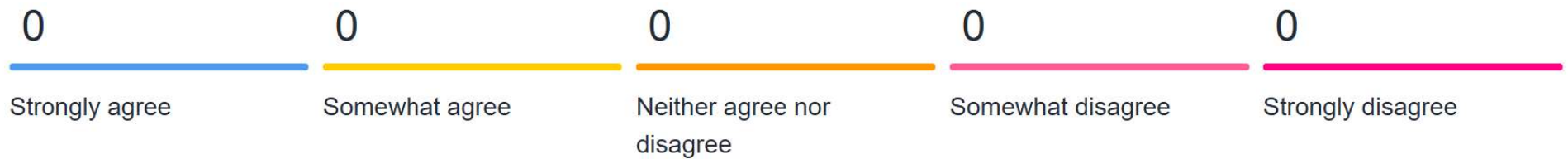
The depth of information shared with the TAC was:



I had the opportunity to be heard during the TAC meetings.



I understood where my feedback was needed and how it would be used.

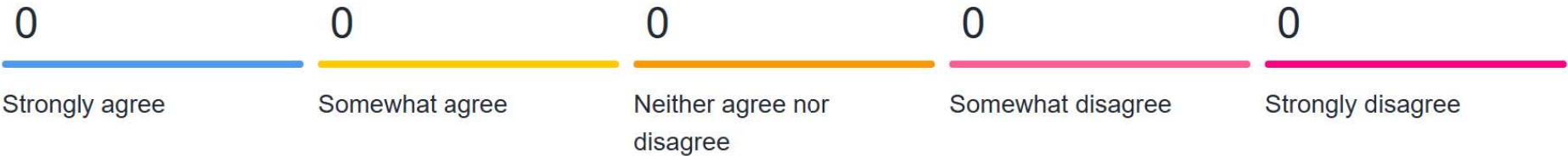


Discussion 2 Guiding Questions

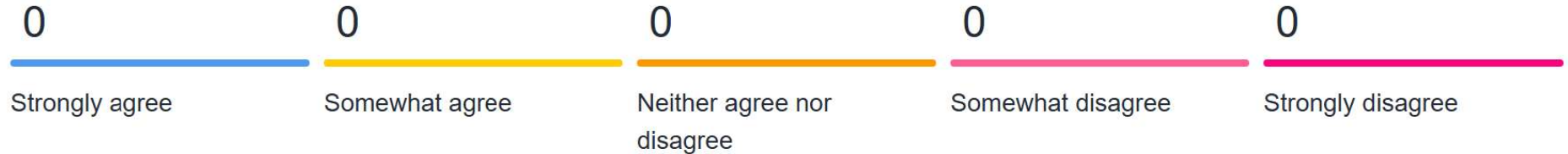
Information sharing and feedback gathering

- Was there something you were hoping to cover that was not covered, or would have liked to hear more about?
- Was there anything we covered that you thought was not valuable / needed?
- Was there anything you would have liked to know more about earlier on to help your onboarding / understanding?
- What methods of information sharing, providing feedback and asking questions did you find worked best?

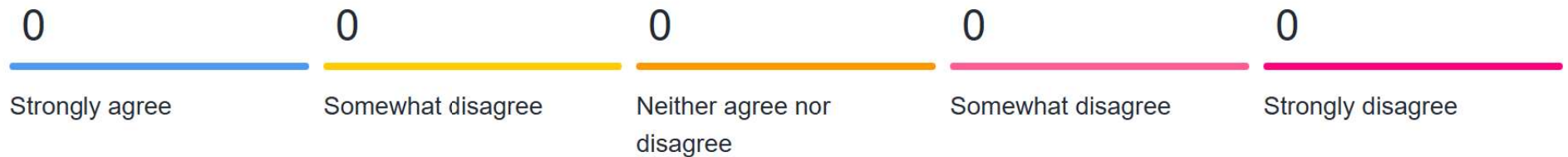
I was provided **meaningful opportunities** for my input to be considered in the Integrated Resource Plan development process and decision making.



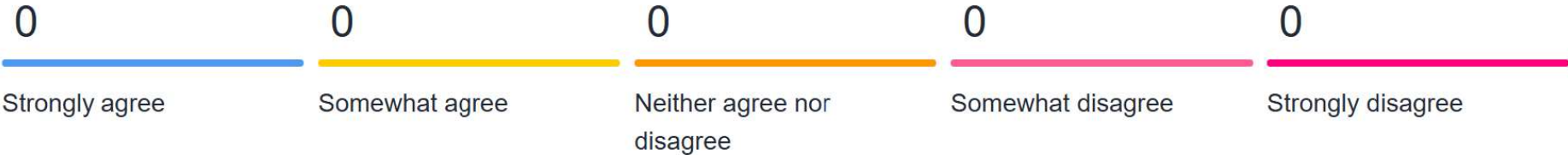
The TAC engagement process was **transparent** on the development and outcomes of the IRP, including **how feedback was considered and incorporated.**



The TAC engagement process was **clear** on the development and outcomes of the IRP, including **how feedback was considered and incorporated**.



The TAC engagement **process was flexible** to respond to TAC member needs and feedback.



I found the size of the TAC committee was:



I found the amount of TAC meetings (8 including today) was:



The length of the meetings were:



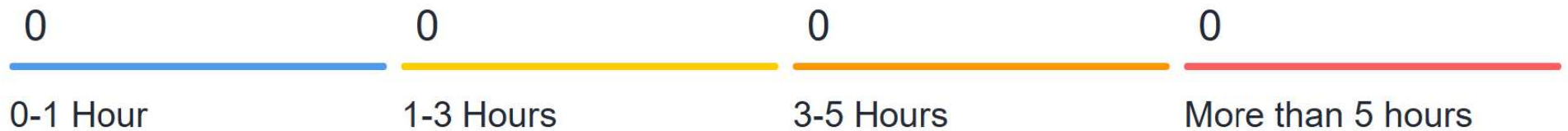
I was provided with the materials I needed before the session.



I was provided with the materials I needed after each session.



How much time did you spend preparing for and debriefing for a typical TAC meeting?



Discussion 3 Guiding Questions

Feedback integration and process flexibility

- Where do you think your feedback was most valuable to the IRP development process?
- Where were you hoping to see your input reflected but didn't?
- Were the meetings at the right time in the IRP development process?
- Were there moments that you felt the engagement should have adapted and didn't?
- Were there moments that you felt the engagement pivoted and adapted?
- Is there anything else you would like to share?

Lunch

Implementing the Near-Term Actions and Future Planning

70 | April 2026

2025 IRP – TAC Meeting #9

Near-term Actions (NTAs)

Near-term actions are those which Manitoba Hydro is committed to completing in the next five years.

There are two NTA themes:

Theme 1: Implement the development plan.

Theme 2: Prepare for the next IRP and continue ongoing planning.

NTA Theme 1: Implement the development plan

1. Collaborate with **Efficiency Manitoba** to support the development and delivery of their next Plan, including legislated and additional targets per this IRP.
2. Implement **demand response and curtailable rate programs**, in collaboration with Efficiency Manitoba. Advance enabling technologies such as advanced metering infrastructure.
3. Procure Indigenous majority-owned **wind** through a call for power.
4. Execute plans for **combustion turbines** fuelled by natural gas.
5. Implement the **enhancements to existing hydropower** and continue to pursue additional opportunities.
6. Implement utility-scale **battery** pilot project.
7. Pursue near-term import/export **market options** as available.

Customer Side Solutions

- Continue joint planning and data sharing with Efficiency Manitoba to support development of their next Efficiency Plan.
 - Incorporate additional efficiency outcomes from the recommended development plan.
- Collaborate with Efficiency Manitoba to develop demand response programs (DR) to shift demand away from peak periods.
- Plan and implement Advanced Metering Infrastructure (AMI) to enable:
 - Scaling and sustainment of DR
 - Better planning and use of the power system using detailed, grid edge data
 - Dynamic and efficient integration of behind the meter customer technologies

Manitoba Hydro

- Operationalizes Demand Response and Curtailable Rate Programs
- Assist with Efficiency Manitoba Planning

Efficiency Manitoba

- Designs and delivers energy efficiency programs
- Pursues legislated targets for electricity and natural gas savings

Call for power: Indigenous majority-owned wind

- Planning is underway to procure up to 600 MW of Indigenous majority-owned wind.
- Request for Qualified Suppliers (RFQS) closed January 2026. Selected proponents notified March 2026.
- First Request for Proposals (RFP) issued March 2026, closes July 2026.
- Details on our website: www.hydro.mb.ca/corporate/call-for-wind-power/

Brandon Dispatchable Capacity Project

The proposed project will be developed through a separate planning and engagement process outside of the IRP.

It is subject to approvals including:

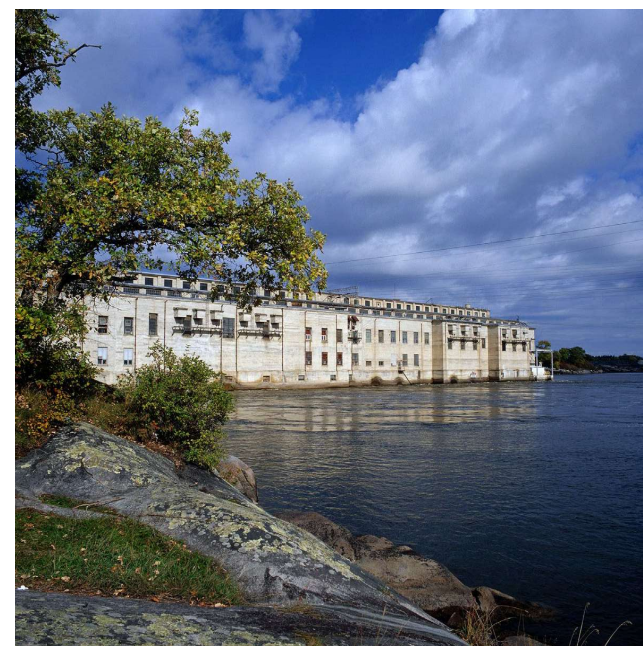
- a Major New Facilities Review by the Public Utilities Board,
- a Notice of Alteration on the existing Environment Act Licence for the Brandon generating station, and
- a new Environment Act Licence for the natural gas pipeline right-of-way.

See the project website for more information:

www.hydro.mb.ca/brandonturbines

Enhancements to Existing Hydropower

- Taking next steps to advance the 25 MW enhancement project (Pointe du Bois).
 - Advancing through Manitoba Hydro's capital governance processes.
- Advancing evaluation of other hydropower supply-side enhancement options.
 - Lower Nelson River generating stations.

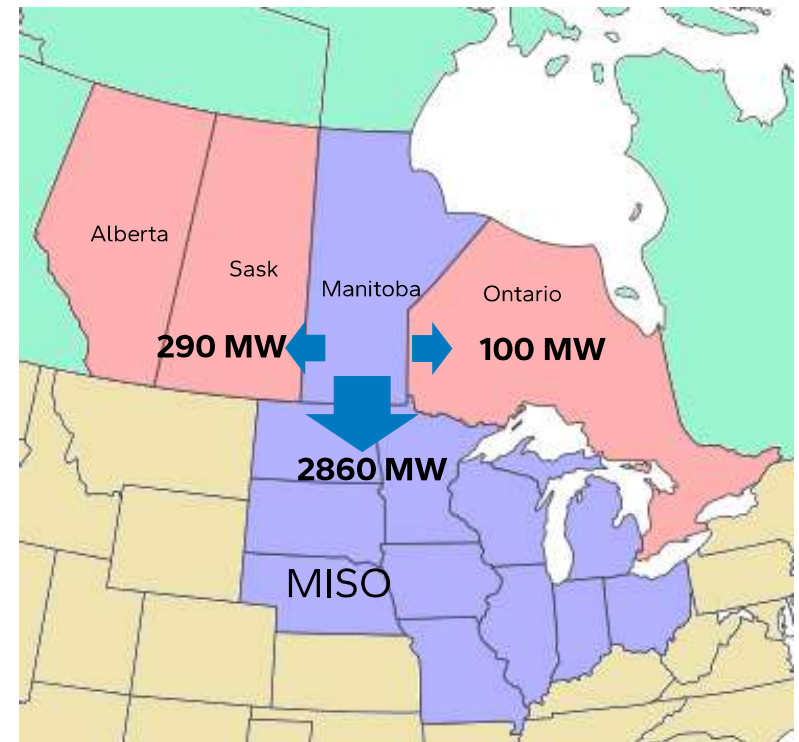


Continuous Pursuit of Near-term Import/Export Market Options

Long-term Firm Export/Import Capability

- Post-IRP analysis, 200 MW capacity exchange starting in 2030 helps mitigate risks but doesn't change the 2025 IRP road map.
- Longer term, Manitoba Hydro is supportive of advancing the study of additional inter-provincial inter-ties.

	Export	Import
U.S.	2860 MW	1400 MW
Ontario	100 MW	0 MW
Sask	290 MW	60 MW



Utility Scale Battery Project



Manitoba Hydro has initiated pre-project planning.

Pre-project planning will include:

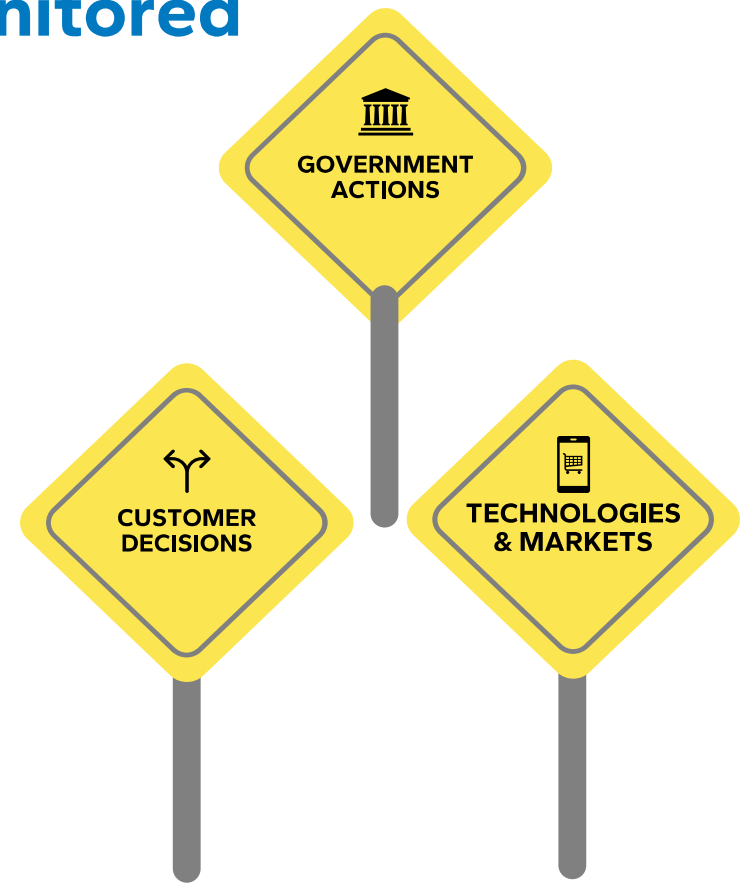
- Establishing project characteristics
- Exploring and monitoring available technology
- Assessing operational considerations

NTA Theme 2: Prepare for the next IRP and continue ongoing planning

8. Monitor the **development plan implementation and load growth** to guide resource adjustments (e.g., tracking energy efficiency, resource project schedules, and supply-demand balance).
9. Explore **alternative fuels, credits, and Manitoba-based offsets** to combustion turbine GHG emissions and further investigate the direct use (blending or full replacement) of alternative fuels, such as hydrogen.
10. Continue to improve and optimize our integrated resource planning processes.
11. Pursue **additional items in the Affordable Energy Plan**, such as the clean heat strategy, electric vehicle charging, and ground source heat pumps and district heating.
12. Advance planning for **resources with potential to be recommended in the next IRP**, including small modular reactors, new hydropower, and energy storage solutions.

Signposts will continue to be monitored

- Indicate the type, timing, pace, and magnitude of change in the energy landscape.
- Inform implementation of near-term actions and development plans.
- Will be monitored, reported on, and incorporated into IRP analysis to understand when changes to underlying IRP assumptions are significant enough to warrant another IRP.
- Reflect many things that will be monitored for risk of implementing the development plan.



Check in

Discussion

Closing

Overview of Next Steps for the 2025 IRP

For the 2025 IRP:

- Prepare Supplemental Engagement Report
- PUB regulatory review
- Implement the Road Map
 - Development plan: Pursue project-specific approvals, as appropriate.(e.g., some projects may require a *Major New Facilities Review* by the Public Utilities Board, or review under the *Environment Act*.)
 - Near-Term Actions

Manitoba Hydro supports the energy transition

To support the NTAs and future planning, we will...

- Continue to **build alignment** with the Province of Manitoba, Efficiency Manitoba, the Public Utilities Board, customers and Interested Parties.
- **Provide information and analysis** to support policy decisions, including supporting a vision for Manitoba Hydro's role in a net-zero future.
- **Continue to communicate** with Interested Parties to **share outcomes and learnings** from the 2025 IRP.
- **Provide resources and information** to allow customers to make **informed energy choices** that support a managed energy transition.
- **Support the advancement of economic reconciliation** in our interactions with Indigenous peoples and nations.

Thank You

- [Hydro.mb.ca/future](https://hydro.mb.ca/future)
- Email us at: IntegratedResourcePlan@hydro.mb.ca

4.3. Meeting Summaries

The following information supplements Section 6.5 of [2025 IRP Engagement Report Appendix A](#).

Summaries from the following meetings are included in this section:

- **Meeting #8 – December 9, 2025**
2025 IRP Road Map
- **Meeting #9 – April 28, 2026**
How We Arrived at the Recommended Development Plan
Implementing the Road Map, Feedback on 2025 IRP TAC engagement, and Future Energy Planning

Purpose of Notes:

These meeting notes summarize the discussion and feedback from the Technical Advisory Committee without attributing feedback to specific individuals or groups. Manitoba Hydro considers the feedback received alongside feedback from other engagement conversations held throughout the 2025 Integrated Resource Plan process. The feedback from engagement and any actions taken are published in the Engagement Report included with publication of the 2025 Integrated Resource Plan.

Meeting Details:

Meeting Date: December 9, 2025 - 11:00 am - 1:30 pm

Location: Delta Hotel, Winnipeg

Attendees:

Committee attendees (members & alternates):

Manitoba Hydro - Committee Chair- Lindsay Hunter
City of Winnipeg - Becky Raddatz
Consumers Council of Canada - Peggy Barker
Eco-West/Éco-Ouest Canada - Dany Robidoux
Efficiency Manitoba - Michael Stocki
Government of Manitoba - David Scammel
Government of Manitoba - Teody Leano
Manitoba Métis Federation - Reed Forrest
Public Utilities Board (PUB) - Brady Ryall
Red River College - Jose (Jojo) Delos Reyes
Daymark Energy Advisors, advisor to the PUB - Doug A. Smith
University of Manitoba - Cameron Whitton
Association of Manitoba Municipalities - Duane Nicol
Sustainable Building Manitoba - Dudley Thompson (alternate)
Manitoba Sustainable Energy Association - Randy Baldwin (alternate)
Manitoba Chamber of Commerce - Green Advantage - Sarah Duval (alternate)

Supporting attendees:

Manitoba Hydro - Lindsay Melvin
Manitoba Hydro - Andrea Wruth
Manitoba Hydro - Mike Shaw
Manitoba Hydro - Nick Gamble
Manitoba Hydro - Kathy Allard
Manitoba Hydro - Shoni Madden
Manitoba Hydro - Maggie Bratland

Manitoba Hydro - Diana Mager
Manitoba Hydro - Kayla Dawson
Manitoba Hydro - Andrew Greaves
Consultant - Urban Systems - Ryan Segal
Consultant - Urban Systems - Sarah Manteuffel
Consultant - Urban Systems - Hannah Patton
Consultant - Urban Systems - Aaron Snider
Regrets: Manitoba Keewatinowi Okimakanak Inc. - Anita Murdock
Academic (University of Winnipeg) - Patricia Fitzpatrick
Climate Change Connection - Curt Hull
Manitoba Industrial Power Users Group - Dale Friesen
Meeting Materials: n/a

Meeting Agenda:

1. Introduction
2. Road Map: Recommended development plan
3. Road Map: Learnings, Near-term actions, Signposts
4. Next steps and wrap up

See the following on the IRP Website for the information shared by Manitoba Hydro:

- [Technical Advisory Committee Meeting #8 Presentation slide deck](#)

Introductions and Setting the Stage

Slides: 1 - 11

- **Meeting Overview and Purpose:** To share the road map for Manitoba's energy future, hear members' insights and feedback, and share next steps.
 - Manitoba Hydro communicated that the recommended development plan is shared for awareness and understanding. Feedback from the TAC will not result in changes to the recommended development plan.
 - Insights from TAC members will be sought about how we monitor signposts that help identify changes in the energy landscape and how we move forward together on the near-term actions to be completed over the next five years.
 - Manitoba Hydro will document and report back on feedback received and consider it in future energy planning, engagement, and communications.
- **Next Steps for Technical Advisory Committee:** Manitoba Hydro communicated the next steps after this meeting are to a) share the 2025 IRP Report, including the Engagement Report, then b) hold another meeting with the TAC in early 2026 to support TAC member understanding of the reporting and recommendations. The session will also be used to gather member feedback on the TAC engagement process.

- **Introductions:** Members shared that they were looking forward to hearing updates on the progress of the IRP and details on the Recommended Development Plan.
- **IRP Overview:** Manitoba Hydro shared an overview of the 2025 IRP process and Road Map, including the objectives of the Recommended Development Plan.

Road Map: Recommended Development Plan

Slides: 12 - 27

- Manitoba Hydro shared the details of the Recommended Development Plan, including information on how each resource option will be used and key considerations about each resource.
- Following the presentation, small group conversations were facilitated to discuss the Recommended Development Plan, and provide initial reactions, feedback and questions. Following the discussion, members shared highlights of their discussions with the larger group and Manitoba Hydro clarified and/or shared additional information in response to questions.
- **Overall Impressions:** Members shared varied feedback on the recommended development plan. There was general support for the recommended development plan as a well thought out and balanced plan that considers reliability, cost, environmental and socio-economic trade-offs. Some members also shared a desire to see a "bolder" plan that includes more investment in energy efficiency, demand response, renewable resources, and energy storage. Some members noted concerns that planning for a ten-year development plan time frame does not have a clear connection to a long-term plan to achieve 2050 net-zero targets and align with the Affordable Energy Plan. Members were interested in how much the plan is influenced by U.S. trade policy, drought risk, and system fragility, and shared that, if these factors are shaping decisions, they should be clearly articulated.
- **Net-Zero:** In a breakout session members expressed concern about the inclusion of natural gas combustion turbines and a desire for more clarity on how the recommended development plan aligns with net-zero grid and net-zero economy goals in the IRP. This feedback was not shared in the group discussion therefore did not receive a response during the meeting. Members can refer to [TAC Meeting #7 Summary](#) where it outlines that Manitoba Hydro noted that the IRP aligns with the Government of Manitoba's Affordable Energy Plan, which includes a path to net zero emissions for the Manitoba economy by 2050. Assumptions in the IRP result in an emissions decrease, with any remaining emissions requiring negative emissions technology to remove them from the atmosphere.
- **Cost and Rates:** Members asked for more information on the impact of the recommended development plan on electricity rates, consumer impact, and the estimated capital cost and cost per MW for each resource in the recommended development plan. Manitoba Hydro shared that the costs presented for the recommended development plan consider the portfolio of resources and include the costs for transmission and distribution upgrades that are above and beyond the costs

to sustain existing assets. While costs for individual resource options will be provided in the 2025 IRP report, direct comparison of them is not straightforward because the value that a resource option provides to Manitoba's system depends on the characteristics of the portfolio it is in. The cost estimates in the 2025 IRP analysis were developed at the time of analysis and are planning-level estimates used to compare proposed development plans (i.e. portfolios of resources). Project planning for the implementation of each of the resources in the recommended development plan will result in updated cost estimates as current and more detailed information is incorporated. Electricity rates are established through a formal regulatory process involving Manitoba Hydro and the Manitoba Public Utilities Board. This process is separate and distinct from the IRP process and includes factors outside the scope of the IRP.

- **Renewables and Storage:** Some members expressed a desire to see more consideration for the pairing of wind and solar with battery storage in the recommended development plan and interest in how possible excess wind and solar generation could be stored to meet winter peak demand. This topic is covered in the [summary of TAC Meeting #7](#).
- **Customer Side Solutions:** Members asked for more information on the types of customer-side solutions and programs being considered and how Manitoba Hydro will encourage and support customer participation in demand-side management programs. It was noted that Customer Side Solutions make up a significant proportion of the recommended development plan. While some members shared a desire to see a "bolder" plan that includes more investment in customer side solutions, others shared concerns about the amount of reliance on customer side solutions. They mentioned the potential risks associated with voluntary customer participation, noting that current efficiency programs are not always a priority for consumers when Manitoba is known for affordable and clean energy already. Members asked for more information on how the risk of shortfalls in customer uptake will be addressed and/or mitigated. Manitoba Hydro shared that following IRP approval, resource additions would proceed through Manitoba Hydro's standard governance and project delivery frameworks, incorporating structured project and risk-management practices. Project progress will be monitored, and the impact of any delays will be considered within the context of the overall supply-demand balance so that risks are appropriately addressed.
- **Wind:** Members asked how wind will be considered beyond the 2035 development plan timeframe, and whether it shows up in modelling. Manitoba Hydro confirmed that wind is selected in the modelling past 2035 and Manitoba Hydro will continue to explore it as a potential resource option beyond 2035.
- **Battery Storage:** Members asked for more information on which battery storage types and technologies are being considered. Members expressed a desire to see more battery storage being proposed and expressed concern that battery storage is being described as a pilot project, especially compared to other jurisdictions who are actively building more battery storage and consider battery technology more mature.

Manitoba Hydro shared that development of the battery project is part of the near-term actions and will further explore battery type, size, duration, and other details. A project size of 5 MW is being provided as a starting point for planning purposes. The project will be used to help understand the value of additional energy storage to Manitoba's system given the existing storage capacity of our hydropower stations and the load shape during peak demand conditions. It would not be prudent to invest in large quantities of batteries before confirming they would provide sufficient value, here in Manitoba, to offset their cost.

- **Natural Gas Combustion Turbines:** Members expressed concerns about the reliance on natural gas generation and economic pressures (such as export revenues or financial performance) driving increased or continuous operation of natural gas combustion turbines. Members asked about how frequently the turbines would be used. Members also noted that they understood the value of combustion turbines as a dispatchable resource to offer critical backup during droughts, extreme weather events, and other system contingencies. Manitoba Hydro shared that modelling results indicate an average utilization factor of approximately 1% to 2% is most likely over the next 10 to 15 years. More fulsome information about this topic is available in the [Round 2 Questions and Answers](#), which share that combustion turbines are estimated to be utilized, on average, between 0.5% and 5% of their full capability. This extended range represents a wide range of plausible futures considering many scenarios, uncertainties, and contingencies.
- **Alternative Fuels:** Members asked about readiness for use of alternative fuels such as biofuels, RNG, hydrogen, or synthetic fuels in combustion turbines and what the plan and timeline for converting existing or planned combustion turbines to use these fuels could be. Manitoba Hydro shared that it would explore alternative fuels as part of the near-term actions for the 2025 IRP.
- **Offsets:** Members were interested in how emissions from combustion turbines will be offset and what types of Manitoba-based offsets are being considered. They shared a desire for investment in additional energy efficiency programs instead of offset programs. Manitoba Hydro shared that the recommended development plan includes a substantial amount of energy efficiency. Because modelling shows the GHG emissions produced from combustion turbine generation is relatively small, the quantity of, and cost for, offsets required was relatively small, while helping to mitigate the effects of climate change. It was also noted that Canada's Greenhouse Gas Offset Credit System recognizes offset protocols from a wide variety of GHG reduction and removal projects. While Manitoba Hydro has not selected a specific type of carbon offset for net-zero grid purposes, it is assumed it will be a federally recognized offset and that, from 2050 onwards, it would be a removal offset. For modelling purposes in the 2025 IRP, Manitoba-located bioenergy with carbon capture and sequestration was the assumed offset source.

Road Map: Learnings, Near-term actions, Signposts

Slides: 28 - 37

- Manitoba Hydro shared details of the learnings, near-term actions, and signposts that, along with the Recommended Development Plan, make up the 2025 IRP road map.
- Manitoba Hydro committed to documenting and reporting back on the feedback received and considering it in future energy planning, engagement, and communications, including the implementation of near-term actions and monitoring of signposts.
- Following the presentation, small group conversations were facilitated to discuss the learnings, near-term actions and signposts, and provide initial reactions, feedback and questions. Following the discussion, members shared highlights of their discussions with the larger group and Manitoba Hydro clarified and/or shared additional information in response to questions.
- **Collaboration:** Members expressed a desire for increased collaboration with Manitoba Hydro on policy advocacy, skills and workforce development (including collaboration with academia), larger scale resource pilots (like batteries and district energy), and other projects that advance the energy transition, such as electric vehicle chargers. There was noted interest in how municipalities can play a meaningful role and leverage their direct connections with residents to drive engagement and implementation.
- **Efficiency Manitoba:** Members reinforced a need for good working relationships between Efficiency Manitoba and Manitoba Hydro to support Customer Side Solutions goals and to pursue more elements of Affordable Energy Plan. It was noted that more clarity on the roles of Efficiency Manitoba and Manitoba Hydro to encourage demand response could support customer uptake. There were also concerns about the potential for Efficiency Manitoba's legislated energy-focused mandate to limit the development of peak demand reduction programs.
- **Distributed Energy Resources:** Members noted that the IRP should further consider electric grid resilience technology, smaller-scale residential self-resilience and industrial-scale ownership, which could improve resilience during extreme weather events.
- **Electrical Vehicles:** Members noted that the load projections may rely on electric vehicle adoption data and government mandates rather than reflect actual trends. Uptake should be monitored as load growth may not evolve as predicted. It was noted that there are opportunities to engage with Manitoba-based organizations supporting the installation of EV chargers to understand lessons learned for implementation.
- **Interconnections:** Members were interested in how interconnections to other markets, east-west utility grid connections, and changes in U.S. trade policy were

considered in the IRP. Members expressed a desire to see a focus on energy security and less reliance on imports.

- **Renewable Energy:** Members shared opportunities for collaboration on the development of renewable energy like regional cooperatives and local government owned systems.
- **Economic Reconciliation:** Members noted that they would be interested in additional opportunities for economic reconciliation through the development of new resources.
- **Artificial Intelligence / Data Centres:** Members noted an interest in data centres being included as its own signpost given recent federal policy changes and faster-than-expected load growth. Members asked how the IRP load projections considered changing demand from data centres and artificial intelligence technologies. Manitoba Hydro noted that the IRP load projections considered a range of assumptions related to economic development that result in increased electricity demand and were broadened to account for potential changes in the energy landscape. This could include new load from data centres, or AI, for example. However, the IRP does not make specific assumptions about new customer load connection projects.
- **Water / Drought:** Members shared concerns about the impacts of drought on future hydropower generation and expressed a need to consider water conservation as part of electricity development.
- **Additional Participation:** Members shared a desire for more representation from seniors' groups, consumers, rural communities and agricultural sector in ongoing energy planning and conversations. Members also expressed interest in mechanisms to continue to share information with Manitoba Hydro to inform signpost monitoring.

Next Steps

Slides: 38 - 40

- The session concluded with a summary of next steps for the 2025 IRP and beyond and opportunity for further questions and discussion.

Purpose of Notes:

These meeting notes summarize the discussion and feedback from the Technical Advisory Committee without attributing feedback to specific individuals or groups. Manitoba Hydro considers the feedback received alongside feedback from other engagement conversations held throughout the 2025 Integrated Resource Plan process. The feedback from engagement and any actions taken are published in engagement reporting included with publication of the 2025 Integrated Resource Plan.

Meeting Details:

Meeting Date: April 28, 2026 - 10:30 am - 1:30 pm

Location: Delta Hotel, Winnipeg

Attendees:

Committee attendees (members & alternates):

Manitoba Hydro - Committee Chair - Leo Laramée
City of Winnipeg - Becky Raddatz
Consumers Council of Canada - Peggy Barker
Eco-West/Éco-Ouest Canada - Dany Robidoux
Eco-West/Éco-Ouest Canada - Shane Pelletier
Efficiency Manitoba - Michael Stocki
Climate Change Connection - Curt Hull
Government of Manitoba - David Scammel
Government of Manitoba - Teody Leano
Manitoba Métis Federation - Reed Forrest
Manitoba Métis Federation - Gerald Onwilka (alternate)
Public Utilities Board (PUB) - Brady Ryall
Association of Manitoba Municipalities - Duane Nicol
Sustainable Building Manitoba - Laura Tyler
Manitoba Sustainable Energy Association - Alexander Lavoie
Manitoba Industrial Power Users Group - Josh Dyck (alternate)

Supporting attendees:

Manitoba Hydro - Lindsay Melvin
Manitoba Hydro - Nick Gamble
Manitoba Hydro - Kathy Allard
Manitoba Hydro - Maggie Bratland
Manitoba Hydro - Diana Mager
Manitoba Hydro - Kayla Dawson

Regrets:

Manitoba Hydro - Andrew Greaves
Manitoba Hydro - Shelly Poetker
Consultant - Urban Systems - Ryan Segal Alexander
Consultant - Urban Systems - Sarah Manteuffel
Consultant - Urban Systems - Hannah Patton
Consultant - Urban Systems - Aaron Snider
Manitoba Keewatinowi Okimakanak Inc. - Anita Murdock
Manitoba Métis Federation - Christian Goulet
Red River College - Jose (Jojo) Delos Reyes
Manitoba Industrial Power Users Group - Dale Friesen
Daymark Energy Advisors, advisor to the PUB - Doug A. Smith
University of Manitoba - Cameron Whitton
Manitoba Chamber of Commerce - Green Advantage - Sarah Duval
Efficiency Manitoba - Colleen Kuruluk
n/a

**Meeting
Materials:**

Meeting Agenda:

1. Introductions
2. 2025 IRP Road Map Recap
3. How We Arrived at the Recommended Development Plan
4. Activity: Feedback on the 2025 IRP TAC Engagement
5. 2025 IRP Regulatory Process
6. Implementing the Road Map and Future Energy Planning
7. Closing

See the following on the IRP website for information shared by Manitoba Hydro:

- [2025 IRP Technical Advisory Committee Meeting #9 presentation slide deck](#)

Introductions

Slides: 1-13

- Manitoba Hydro communicated that the purpose of this meeting is to share how we got to the recommended Development Plan, provide an opportunity to ask questions about the 2025 IRP Road Map, gather feedback about TAC engagement on the 2025 IRP, and explore considerations for ongoing engagement beyond the 2025 IRP and future planning.
- Members shared a highlight from the 2025 IRP TAC process, with many members appreciating the opportunity to hear the perspective of others and provide feedback through breakout activities and discussions.

- Manitoba Hydro communicated that since the last TAC meeting in December 2025, the 2025 IRP Report was published and filed with the Public Utilities Board on February 2, 2026. A new TAC Chair, Leo Laramée, began in the role in January 2026.
- Manitoba Hydro shared a recap of the 2025 IRP Road Map and an overview of the Recommended Development Plan.

How We Arrived at the Recommended Development Plan

Slides: 14-37

- Manitoba Hydro provided an overview of the evaluation process used to go from the scenario and sensitivity analysis results to the recommended and alternative development plans.

Potential Development Plan Formation

- Manitoba Hydro shared that 10 potential development plans were developed to meet several objectives:
 - All the plans considered the Net-Zero Targets to meet a net-zero grid by 2035 and support Manitoba's transition to a net-zero economy by 2050.
 - The plans are in alignment with government direction as they aimed to reflect Manitoba's Affordable Energy Plan, and all plans include at least 600 Megawatts of Indigenous majority-owned wind power.
 - The plans are shaped by engagement and incorporate strong interest in renewables and low emissions.
 - The plans are informed by Modelling Insights and use learnings from modelling and analysis to combine and sequence the six feasible resource options to achieve the objectives.
- Building on the objectives for the potential development plans, the 10 plans were organized within three groups:
 - *Lower Cost Plans* - Scenario and sensitivity results showed that to balance cost and reliability, the model would consistently select combustion turbines fuelled by natural gas in portfolios of resources. This first group includes four plans that tested various quantities of combustion turbines fuelled by natural gas/biomethane. These plans are among the lowest cost development plans that meet the evaluation criteria.
 - *Maximized Alternatives Plans* - Through engagement with Manitobans, Manitoba Hydro heard that it is important to explore alternatives to combustion turbines fuelled by natural gas/biomethane. This group of potential development plans includes three plans that test alternate resource options to minimize the quantity of combustion turbines, like additional energy efficiency programming, battery storage, and enhancements to existing hydroelectric generation.

- *Diversified Capacity Plans* - This final group includes three development plans that leverage the strengths of the Lower Cost Plans and also incorporate the alternatives within the Maximized Alternatives Plans to diversify resource options. Altogether, they seek to provide a balance between cost, reliability, environment, and socio-economic impacts, factors important to Manitobans as heard through engagement.
- Potential development plan 4 (P4) has much more capacity than the other plans. This is because the goal was to understand the value of a plan that could provide reliability for an extreme situation at the lowest cost.
- P1 and P3 appear to be the same on the graph on slide 18; however, the implementation timing of the resources is different, which impacts the relative value to the system of each plan.
- **Alignment with Net-Zero Policy:** A member asked how 750 MW of natural gas combustion turbines aligns with the objective of a net-zero grid by 2035. Manitoba Hydro noted that combustion turbines are intended to run a minimal amount of time and that emissions will be offset with credits. A member sought clarity about why the recommended development plan does not mention the Province of Manitoba's Pathways to Net-Zero. Manitoba Hydro noted that this policy document was released after most of the IRP analysis had been done, but that it will be considered through the Government Action Signpost to ensure alignment.
- **Market Purchases:** A member suggested that additional market purchases could be used to manage peak demand rather than investing in thermal generation and expressed concern about not pursuing enhanced east/west interconnections. Manitoba Hydro noted that there is limited opportunity to purchase power from Saskatchewan and that additional interconnections to other jurisdictions would better support long-term capacity. There is a Near-Term action to explore future interties opportunities.
- **Carbon Emissions:** A member asked for more information on how carbon emissions are factored into the plan. Manitoba Hydro noted that the IRP is planning for a net-zero economy and needs to be ready to supply for future energy demand. Manitoba Hydro noted that it would take the question back and provide further information on carbon emissions considerations to the member.

Creating a Short List of Potential Development Plans

- Evaluation metrics were used to reduce the ten (10) potential development plans to a short list of five (5) potential development plans for further consideration. Nine different evaluation metrics, categorized across four themes, were applied to understand the value and trade-offs of each of the 10 potential development plans. The purpose of the evaluation was to find a short list of potential development plans that would be further analyzed at the next stage of the process. The evaluation tool alone cannot determine the recommended development plan but is used to narrow the list of potential development plans considered.
- A minimum build-out target was developed to ensure there is sufficient capacity to meet customer needs up to 2035. The build-out target was needed to understand

what level of build allows flexibility to best serve a reasonable range of loads. This helps to balance not building enough versus building too much.

- The build-out target was based on the 2024 Electric Load Forecast (2024 ELF) from 2025 to 2029 recognizing that there were no utility scale resources that could be built in this time, and limited policy instruments are in place that would result in a measurable deviation from the 2024 Electric Load Forecast in the next few years.
- Starting from 2030, the build-out target is equal to the 2025 IRP medium load projection to support a net-zero economy by 2050 and ensures that resources are in place to support this level of demand.
- The build-out target extends to 2035, but analysis goes all the way out to 2050. While the build-out target is not shown outside the development plan period, the medium load projection informs resource adequacy needs beyond 2035 and ensured that the impacts in the long-term were studied.
- The evaluation framework was used for all ten potential development plans. Evaluations were completed for each potential development plan across the three load projections studied in the 2025 IRP. The results were used to compare the potential development plans within each group. Comparing directly within the groups ensured that plans in the short list would have measurable differences between them.
 - P3 was shortlisted as it has more favourable trade-offs among Lower Cost plans and meets the build-out target.
 - All Diversified Capacity plans (P5A, P5, P5B) were shortlisted, as they all provide similar value, provide alternatives to combustion turbines, and meet the build-out target.
 - P7 was shortlisted from the Maximized Alternatives plans as they are measurably different plans that meet the build-out target. The Maximized Alternatives plans were explicitly designed to minimize reliance on combustion turbines, in response to engagement feedback. These plans only included combustion turbines where needed to maintain reliability. Even with this objective, the analysis shows that some combustion turbine capacity is still required by 2035. These plans represent alternatives to heavy CT reliance, but don't result in CT-free plans.
- **Environmental Evaluation:** A member asked why all ten potential development plans scored "Neutral" on the environmental metric and if the evaluation metric benchmarks could be adjusted in the future to produce more measurably different results. Manitoba Hydro noted that initial minimum criteria were set and that each plan met that minimum criteria and there were not many measurable differences between each plan in the evaluation. Another member expressed concern that no plans scored higher than "Neutral" on the environmental evaluation metric and asked if there were any other plans that had higher environmental scores that were not evaluated because they scored low for "Cost". Manitoba Hydro noted that the evaluation framework is new for this IRP and that there is openness and interest in ongoing discussions to enhance and develop the evaluation framework in the future.

A member asked how cumulative emissions were considered in the environmental evaluation. Manitoba Hydro noted that cumulative emissions were not considered in the environmental evaluation.

- **Build-Out Target:** A member commented that four plans were eliminated from consideration because they did not meet the build out target and asked if any plans that scored favorably in other evaluation criteria were not included because they did not meet the build-out target. Manitoba Hydro noted that plans that were close to meeting the build-out target were given further analysis and not removed just because they did not meet the build-out target.
- The five shortlisted potential development plans were further evaluated to understand which would be recommended.
 - P3 prioritizes low cost and reliability.
 - P5 maximizes energy efficiency programming with additional combustion turbines for reliability and socio-economic benefits.
 - P5A is similar to P5, but with reductions to the amount of energy efficiency programs to reduce cost.
 - P5B keeps P5's maximized energy efficiency programs but reduces cost by having less combustion turbine capacity.
- P7 prioritizes alternative dispatchable resources over combustion turbines with energy efficiency programs supporting strong socio-economic outcomes.

Risk and Financial Analysis to Draft Recommendation

- The Risk analysis, conducted through Manitoba Hydro's Enterprise Risk Framework, focused on material differences between the five shortlisted potential development plans. It considered execution risks, risks tied to specific resources, and a set of broader system risks that could materially affect Manitoba Hydro's ability to reliably serve customers over time.
 - P3, P5, and P5A were relatively less exposed to major risks. P7 was the most vulnerable, due to its aggressive energy efficiency targets and fewer capacity additions, which increased supply risk. P5B was considered lower risk than P7.
 - While no plan can eliminate all risks, the analysis confirmed that planning to the build-out target would help manage most reliability-related risks affecting the supply-demand balance.
- The financial analysis completed for the 2025 IRP produced planning-level estimates of the capital investment required to implement each of the five shortlisted potential development plans.
 - These estimates are intended for comparative purposes only and they are useful for understanding the relative scale of investment across the plans. They don't represent project-specific or final capital costs. However, because the same assumptions and costing approach were applied consistently across all shortlisted plans, the analysis provides a consistent basis for comparing plans and informing the recommendation.
 - To 2035, the estimated capital investments range from \$3.1 billion to \$4.0 billion and reflect only the investments required to implement the

development plans. These are above and beyond the investments needed to sustain the existing system.

- A recommendation framework was applied to assess the results of the risk and financial analysis, using criteria that reflect acceptable levels of enterprise risk and financial impact. Thresholds within the framework helped highlight plans most likely to align with Manitoba Hydro's strategic, financial, and policy objectives.
 - Plans P5, P5B, and P7 had higher financial impacts and greater risks so these three plans were eliminated from contention.
 - The remaining plans, P3 and P5A, are very comparable and a deciding factor of alignment with provincial directives was used to differentiate between these plans.
- To recommend a development plan, the remaining two potential development plans were assessed for best alignment with the Affordable Energy Plan (AEP) and other government mandates for Manitoba Hydro.
 - While P3 is the lowest-cost plan, P5A includes additional energy efficiency measures above the Efficiency Plan Projection, addressing the AEP's goal to expand energy efficiency. P5A also includes enhancements to existing hydropower that address the AEP's goal of infrastructure refurbishments. P5A was, therefore, the basis of the recommended development plan, as it more strongly aligns with the AEP.
 - P3 is a viable alternative plan but was not recommended because alignment with the AEP is not as strong as the alignment between P5A and the AEP.
 - P5A is the recommended development plan, because it better aligns with the Government of Manitoba's Affordable Energy Plan.
- **Cost Inputs:** A member asked whether projected cost assumptions and inputs in the model changed over the course of the IRP development process. Manitoba Hydro noted that a P50 analysis was used for high level strategic planning purposes, and that P80 is used in future implementation planning to continue evaluating the cost of the recommendations.
- **Lowest Cost Decision:** A member asked why the lowest investment plan was not chosen. Manitoba Hydro noted that the lowest cost plan was not the recommended option as there was a need to balance a variety of factors and policy alignment.
- **Future Criteria:** A member noted how much the world has changed since January 2025 and the need for flexibility in the plans, then suggested including criteria that considers local supply and employment opportunity of resources. They cited geothermal as an example of locally sourced resources with local employment. This feedback was noted for future consideration.

Activity: Feedback on the 2025 IRP TAC Engagement

Slides: 45-68

- An engagement activity was facilitated to gather feedback from members on the 2025 IRP TAC Engagement. Menti polling and breakout discussions were used to gather feedback. Guiding questions were provided to each group facilitator, who also acted as the notetaker, to support the discussion.
- TAC members were provided a handout summarizing all the TAC meetings held over the course of the 2025 IRP to support them in recollecting their experiences. They were also provided a workbook wherein they could write down their feedback, as an alternative to sharing verbally.
- The discussions were structured around the following three themes:
 - TAC value and composition
 - Information sharing and feedback gathering
 - Feedback integration and process flexibility

TAC value and composition

- Many appreciated the transparency and level-setting of knowledge, and the chance to hear diverse perspectives (including Manitoba Hydro's). Members noted that Manitoba Hydro showed appreciation for their perspectives.
- A member appreciated how the TAC helped them revisit their general assumption that we have enough power in Manitoba to understand the near-term need for capacity.
- Suggested additions to TAC membership to support broader representation, including Indigenous/First Nations voices (including northern communities), consumer/individual Manitoban perspectives, and additional rural/regional input from across the province (particularly from the North), other jurisdictions.
- Several members noted an imbalance toward business/financial viewpoints and recommended more environmental, research/technical, small business, municipal, and economic development perspectives.
- Members noted that hearing diverse viewpoints and technical questions broadened their perspectives, particularly around reliability, imports/interconnections to other jurisdictions, and how resource options are screened.

Information sharing and feedback gathering

- Most felt the content was generally valuable/needed, preferring more information than less.
- Members valued the mix of learning and discussion, especially smaller breakout formats and check ins that made it easier to share and hear from one another.
- The process involved a steep learning curve and at times felt heavy on orientation to the IRP process, versus substantive technical discussion. Members appreciated that communicating technical subjects is challenging and appreciated the transparency.
- Members are interested in different topics, with varying interest levels in the IRP process and technical topics. Some members want to stay higher level, focusing on information inputs they can influence, and others want to dig deeper.

- Members shared a desire for deeper transparency on modelling inputs/assumptions (load projections, EVs, key drivers), how the model works, and how resources were compared and characterized.
- Some members suggested involving Manitoba Hydro subject-matter experts more directly in discussions during TAC meetings. They appreciate consistent, long-term connections with subject matter experts.
- Many members wanted more detail on emissions accounting (net-zero credits, cumulative emissions, combustion turbine mitigation) and clearer weighting/rationale behind scoring for the environmental evaluation theme.
- Some expressed the need for more follow-through from Manitoba Hydro on “we’ll get back to you” items.
- Some members questioned whether some scope/framing was appropriate (e.g., how “net-zero economy” was characterized and whether agriculture should be within Hydro’s planning scope) and felt feedback on direct air capture assumptions were not full addressed.
- Additional topics of interest included resilience beyond considerations of drought (outage/emergency scenarios, climate), uptake of efficiency programs and peak reduction strategy, water availability risk, and how fast-changing factors (such as AI and data centres) are incorporated.
- Commonly cited topic omissions included: limited attention to micro-/distributed generation, unresolved questions on cumulative emissions, and lingering concerns from prior discussions (e.g., the “hockey stick” load growth, timeline length, and rationale for decisions).
- Members showed interest in how municipalities can play a role in future energy planning.
- Members would like more discussion about planning beyond the 10-year development plan.
- Members are interested in further considering the relevance of behaviour change in energy planning.
- A few members felt topics like net-zero framing and district geothermal work were not reflected as expected in supporting appendices.
- Some members wanted clearer pathways to gather input from the broader communities they represent.
- Some felt the timing of meetings within the IRP process was appropriate and that meeting spacing worked, while others wanted engagement to start earlier (even before the IRP formally launched) to influence assumptions before decisions solidified. A few members noted the importance of maintaining momentum between meetings by avoiding long gaps.
- Participants suggested adding an early foundational session and leaving time for deeper and more detailed discussions with subject matter experts before publication.

- A member shared that receiving meeting materials prior to the sessions would be useful.
- Participants valued clear notetaking and wrap-up/summary materials but noted that members learn in different ways and requested more accessible material formats beyond slide decks (e.g., detailed reading materials, recorded webinars, electronic worksheets).

Feedback integration and process flexibility

- Many felt their questions helped shape discussion iteratively, and that Manitoba Hydro benefited from hearing how to evaluate resources and customer perspectives.
- Members showed appreciation for Manitoba Hydro's responsibilities, and while they would like more transparency, they noted that they didn't know what that would look like in practice.
- Several members were unsure how feedback influenced outcomes, describing parts of the process as predetermined and noting that one-on-one conversations sometimes felt more impactful than group forums.
- Some participants also felt constrained in how directly they could provide feedback due to their roles in their organization.
- Members appreciated the feedback loop created by the "What We Heard" documents, however, some members wanted earlier and more frequent feedback loops to better see how feedback is incorporated.
- Some members suggested the TAC meeting close to the public release of the IRP felt performative.
- Some felt the IRP development process did not adapt enough to feedback and following through on unanswered questions.
- Members noted examples of process adaptation included adding sessions to address emerging questions (including a modelling/analysis-focused session). However, some participants felt changes were partial (e.g., a topic seemed to "disappear" in discussion but still appeared in final reporting) and that overall the process stayed largely on a fixed track.
- Some members suggested more transparency on evaluation scoring rationale, economics/jobs impacts, budget benchmarks, consumer cost timing, and the role of behaviour change in planning assumptions.
- Additional feedback included: accessibility concerns with phone/QR-code reliance during engagement activities, requests for clarity on next steps and the future role of TAC members, addressing unanswered questions ahead of the next IRP, and beginning longer-term planning sooner (beyond the 10-year window).
- Members noted the need for clearer presentation delivery (more detail beyond slides), better visibility/ease of finding materials on the website.

2025 IRP Regulatory Process

Slides: 38 - 44

- Manitoba Hydro shared that, in accordance with The Manitoba Hydro Act, Manitoba Hydro has submitted the 2025 Integrated Resource Plan for approval by the Lieutenant Governor in Council. On February 2, 2026, the IRP was referred to the Public Utilities Board (“PUB”) for its review and recommendations.
- Ultimately, the 2025 IRP and recommended development plan act as a critical portion of the “Needs for and Alternatives To” for the major new facility review which is required for the construction of the 750 MW of new dispatchable capacity.
- The review process will be structurally similar to other regulatory processes like the General Rate Application where Manitoba Hydro submitted an application which provided the IRP document and appendices. The review includes intervenors representing different perspective along with supporting consultants to help review Manitoba Hydro’s IRP.
- The process includes written information requests, intervenor evidence and culminating with an oral hearing which will all support the PUB’s final recommendation to government.
- It is anticipated that following the process, the PUB will have their recommendations for the Government of Manitoba by December 2026.
- A member asked how organizations or individuals who are not registered Interveners can participate and whether there is an opportunity to make a public presentation. Manitoba Hydro noted that there are opportunities for participation in the regulatory process and that timelines and submission information are detailed on the PUB website.

Implementing the Road Map and Future Energy Planning

Slides: 70 - 81

- The 2025 IRP road map includes Near-Term Actions (NTA) that are intended to make meaningful, and realistic progress in time for the next IRP. While the detailed scope or plans for these actions are not yet developed, they are all generally intended to be completed in the next five years. Some actions are part of regular Manitoba Hydro planning process or cycle, and others are more direct and specific outcomes from this IRP.
- NTA Theme 1 outlines the work needed to implement the recommended development plan. NTA Theme 2 includes actions that continue to advance planning and prepare for the next IRP.
- *Customer Side Solutions* - Manitoba Hydro will continue joint planning and data sharing with Efficiency Manitoba to support development of their next Efficiency Plan. Additional efficiency outcomes from the recommended development plan will be also

incorporated. Manitoba Hydro will also collaborate with Efficiency Manitoba to develop demand response programs to shift demand away from peak periods. As part of its modernization system investments, Manitoba Hydro is in the early steps of planning for the implementation of Advanced Meter Infrastructure (AMI).

- *Wind* - Planning is underway to procure up to 600 MW of Indigenous majority-owned wind. Request for Qualified Suppliers (RFQS) closed in January 2026 and selected proponents were notified in March 2026. The first Request for Proposals was issued in March 2026 and closes July 2026.
- *Brandon Dispatchable Capacity Project* - The proposed project will be developed through a separate planning and engagement process outside of the IRP. It is subject to approvals including: a Major New Facilities Review by the Public Utilities Board, a Notice of Alteration on the existing Environment Act Licence for the Brandon generating station, and a new Environment Act Licence for the natural gas pipeline right-of-way.
- *Enhancements to Existing Hydropower* - Manitoba Hydro is taking next steps to advance the 25 MW enhancement project (Pointe du Bois) through Manitoba Hydro's capital governance processes and is advancing evaluation of other hydropower supply-side enhancement options.
- *Near-term Import / Export Market Options* - Imports and exports are part of the regular planning and business and there is a value in interties, especially for reliability.
- *Utility Scale Battery Project* - This is in the pre-project planning phase. Pre-project planning will test the effectiveness of utility-scale batteries in Manitoba. The size of Manitoba's first utility scale battery will be confirmed during project planning with 5 MW being provided as a starting point for planning purposes. It would not be prudent to invest in large quantities of batteries before confirming they would provide sufficient value, here in Manitoba, to offset their cost.
- **Existing Wind:** A member asked if there were any actions being considered to re-power existing wind turbines that approaching the end of their useful lifespan (approximately 15 years). Manitoba Hydro noted that this is not part of the Near-Term Actions but is being looked at as part of ongoing resource planning.
- **Implementation Timelines:** A member asked for clarification on the implementation timeframes while the regulatory process is ongoing. Manitoba Hydro noted that actions have been taken to protect the in service date for natural gas combustion turbines but noted that implementation of resources is still subject to PUB and government recommendations.
- **IRP Timeline:** A member inquired about the timeline for the next IRP. Manitoba Hydro noted that a timeline for the next IRP is not determined, but that a Key Learning is the need to get ahead and plan for long-term resources to meet the energy needs of a net-zero economy and that the next IRP could occur within five years.
- **Net-Zero Policy:** A member expressed concern about Path to Net-Zero not being identified in the Near-Term Actions. Manitoba Hydro acknowledged the concern and

noted it will look for opportunities to monitor and consider the actions in the policy through the Government Actions Signpost monitoring.

Discussion

Slides: 82

Due to time constraints, a group discussion to explore considerations for ongoing engagement and future planning did not occur. Manitoba Hydro committed to following up with TAC members to offer additional opportunities to provide feedback on these topics.

Closing

Slides: 83 - 86

Manitoba Hydro provided an overview of next steps for the 2025 IRP and thanked members for their participation and commitment to the 2025 IRP TAC process.

Post-Meeting Follow-up

TAC members were emailed following the meeting; the presentation was shared, and TAC members were invited to share any additional feedback via email or phone call. One response was received and that feedback is incorporated into the notes above.