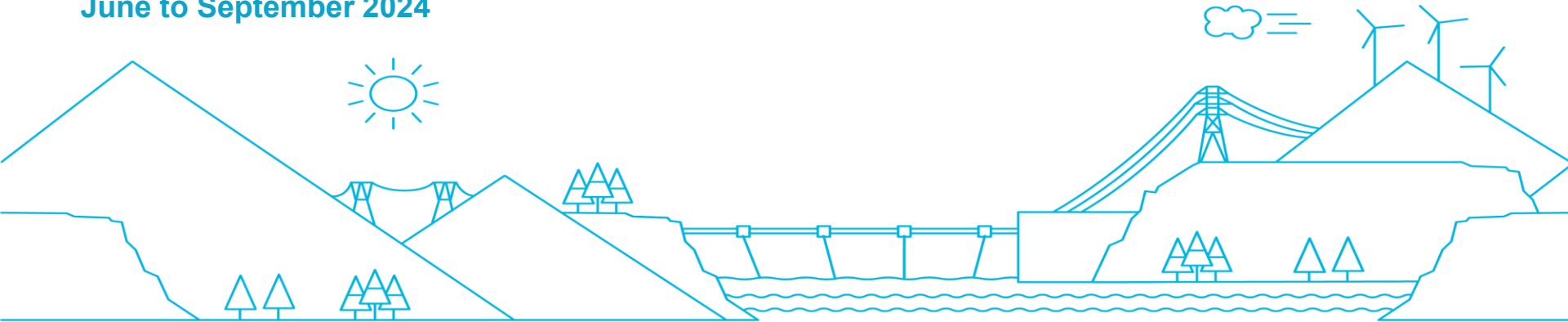


# Integrated Resource Plan 2025

## Phase one: gathering your input

June to September 2024



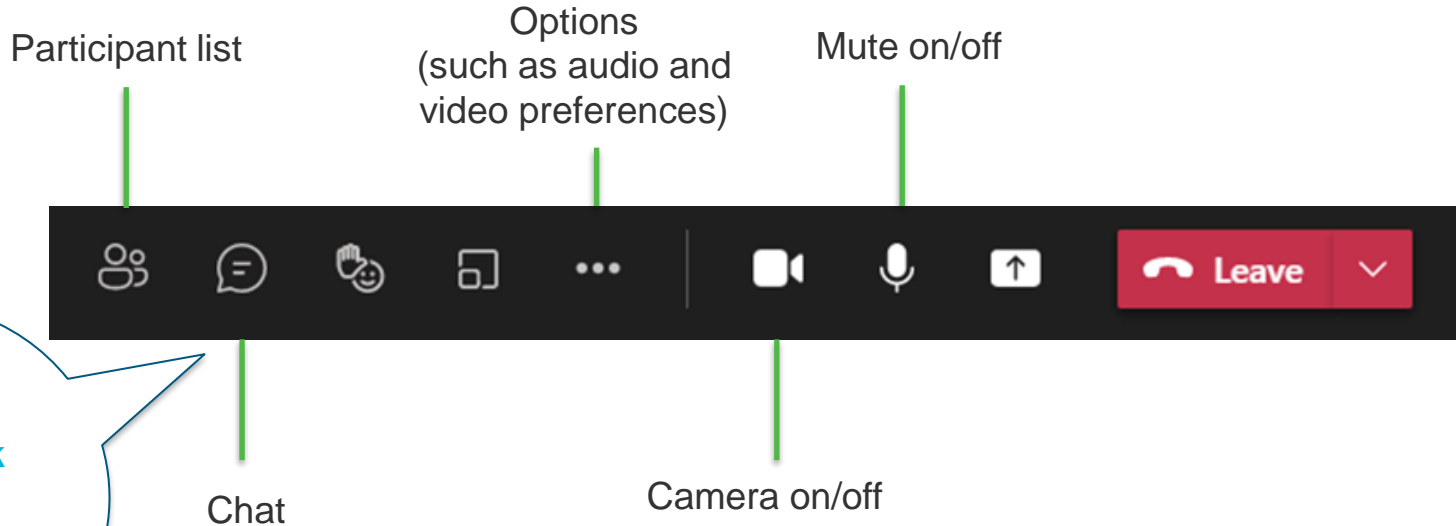
# Agenda

**Purpose: to learn what matters to you as we plan for the future of our power system**

- What is an Integrated Resource Plan and where we're at in the schedule
- Getting started: the planning objectives
- Creating the plan: what decisions need to be made
- Wrap up and next steps

# Teams meeting reminders

We'll be using a few basic tools, which you can find at the bottom of the screen



Utilize the chat to ask questions and provide feedback

# Help us shape our plan

In our consultation on the Integrated Resource Plan, we will continue to advance reconciliation by:

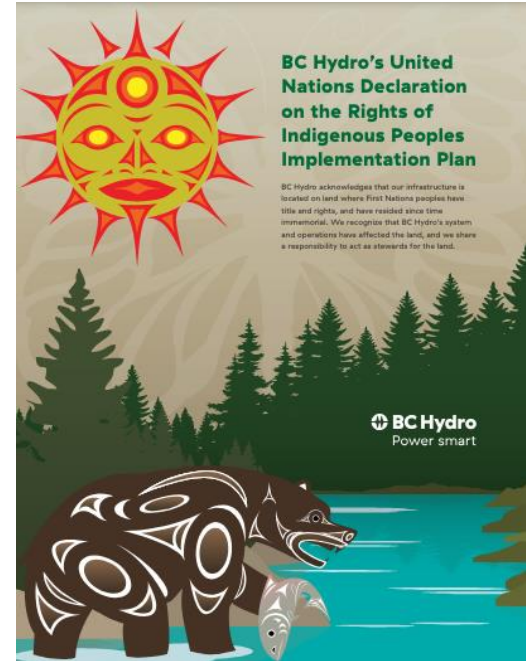
- Making sure First Nations have many different opportunities to provide input
- Incorporating First Nations values and interests into our decision-making process and building them into the plan
- Building and strengthening our relationships with First Nations through collaboration on the plan
- Implementing the actions in our UNDRIP Implementation Plan through our IRP consultation process

# UNDRIP implementation plan

## Developed in collaboration with First Nations

We have grouped relevant UN Declaration articles into five broad themes:

- Respectful Relations
- Social and Cultural Well-Being
- Decision-Making
- Water, Land, and Environment
- Economic Relations



# The Integrated Resource Plan

## Actions we need to take now to meet future electricity needs

- BC Hydro's 20-year plan to meet future customer electricity needs
- Province-wide plan for our integrated system
- Considers Provincial legislation and policy (e.g., Clean Energy Act and the CleanBC Plan)
- Submitted to the BC Utilities Commission
- Projects are subject to separate consultation and approval processes
- Focuses on generation and transmission systems

# What does the plan include?

An assessment of future customer needs and actions to meet that need

- Load forecast scenarios
  - Reference
  - Legislated Emissions Reductions
  - Historic Trend
- Conservation and energy management
- Potential investments in BC Hydro's existing infrastructure
  - Generation stations
  - Transmission lines
- Power acquisitions that may be needed and when



# First Nations consultation schedule

## How consultation works into the plan development timeline

### Virtual Information Sessions:

- What is an IRP
- How BC Hydro plans
- Reflections on 2021 IRP
- Share your values and interests

### Virtual Update Sessions:

- Survey: what we heard
- Status of planning cycle
- What to expect during Phase 2

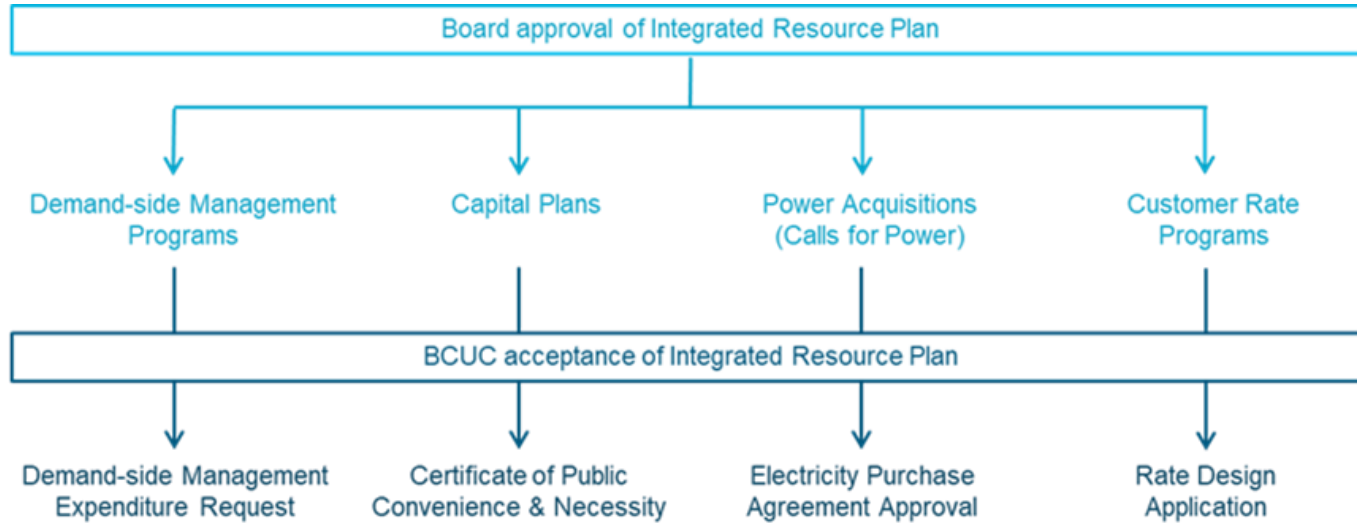
### In-person and Virtual Workshops

- Regional focus
- Important planning objectives
- Draft IRP





# What comes out of the IRP?



# 2021 IRP: BCUC decision

## High level of support with recommendations we're working to address for 2025

Decision highlights:

- The 2021 IRP is in the public interest and meets the requirement of the Utilities Commission Act
- The Panel agrees with BC Hydro's assessment of the applicable energy objectives, and finds the 2021 IRP supports or is consistent with the applicable objectives
- The Call for Power volumes and timing were conclusively determined
- Directed to file the 2025 plan no later than October 31, 2025, unless otherwise ordered by the BCUC

# Getting started: the planning objectives

# Planning objectives

## Continuing to provide clean, reliable power are key priorities

As we plan, we look at the lowest cost options to meet new demand, and we also consider other objectives:



- Keep costs down for customers



- Limit land and water impacts

- Limit greenhouse gas emissions through clean electricity



- Support the growth of B.C.'s economy

# Two important terms to know

## Energy

the amount of electricity we produce and consume throughout the year.



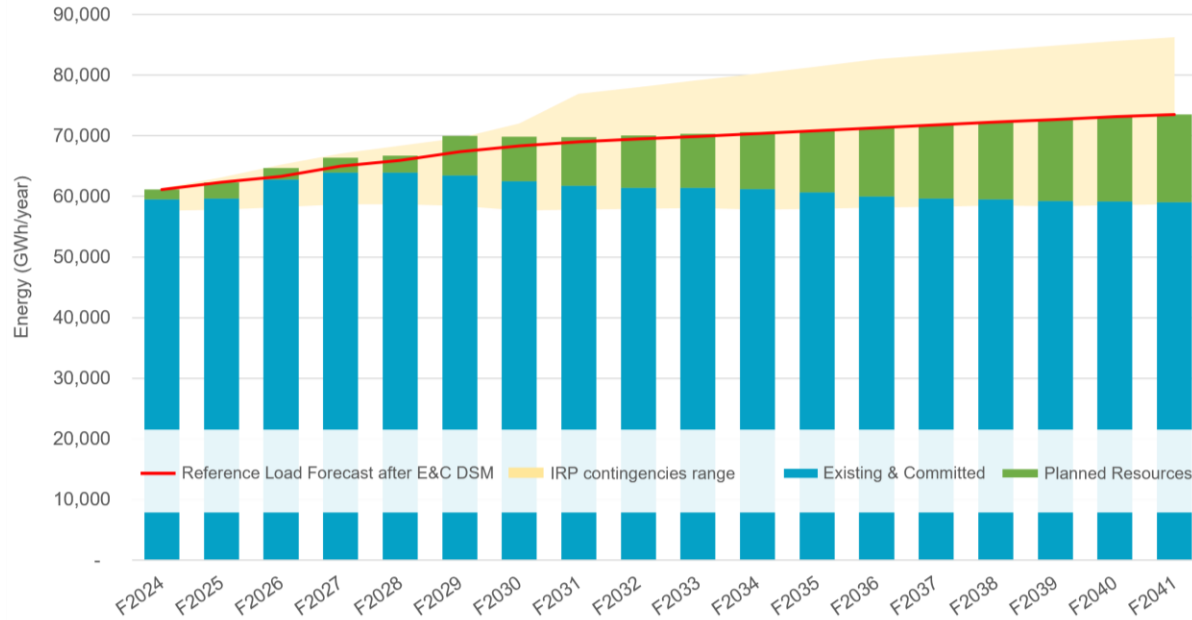
## Capacity

the maximum amount of electricity that can be provided at any moment. Also known as “**peak demand**” from a customer electricity use perspective.

*Peak demand is also important for planning as this determines the need for new infrastructure*

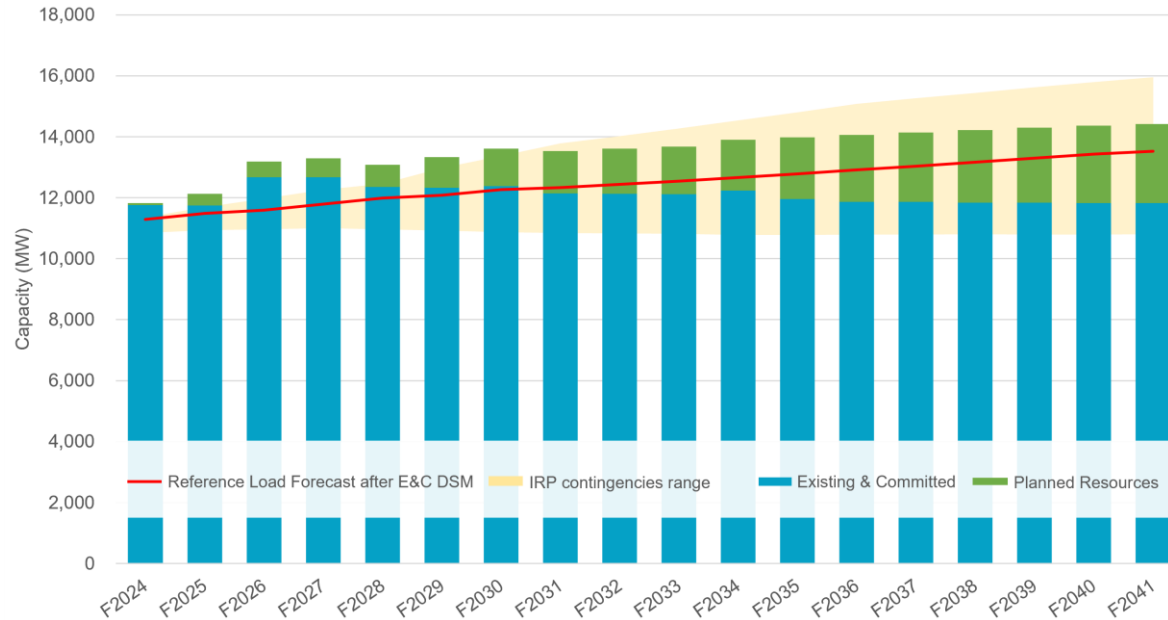
# Energy outlook of supply and demand

The last IRP developed plans to meet B.C.'s energy needs



# Capacity outlook of supply and demand

Those plans provide sufficient capacity resources for the same period

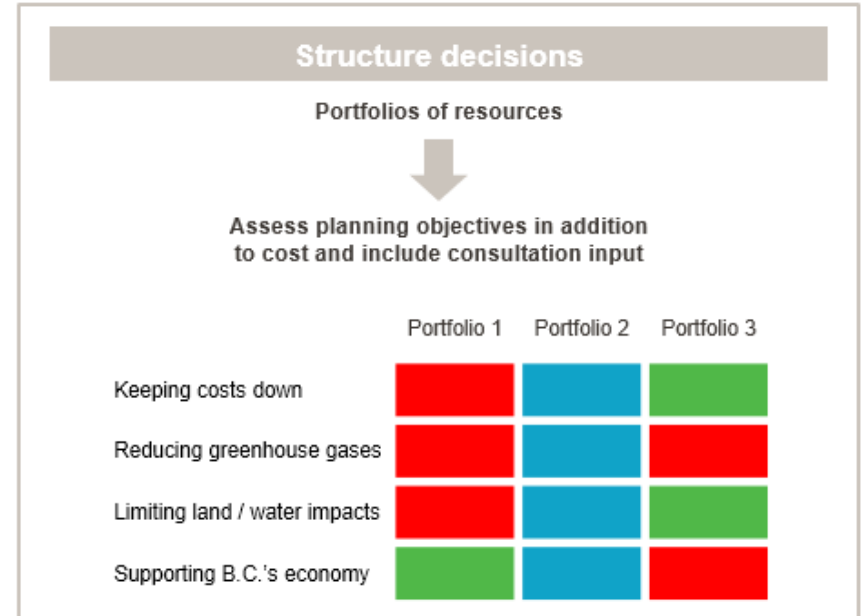
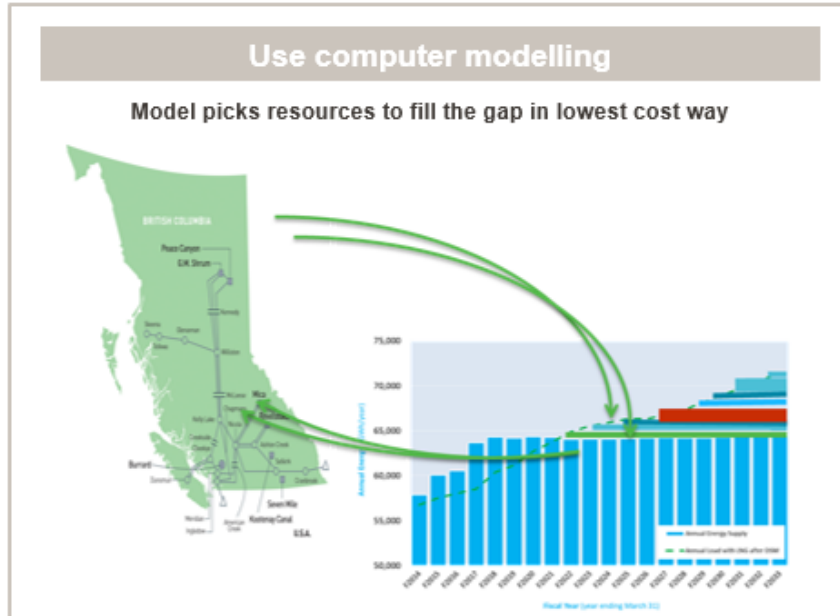


# **Creating the plan: what decisions need to be made**



# Process to develop the 2025 IRP

Starts with computer modelling, then moves through people balancing our objectives



# Exploring new resources

There are several ways to meet future electricity needs, each with their own benefits and costs



	Greater conservation and customer involvement	New or renewed local power sources	Upgrades to existing BC Hydro system
<b>Capacity</b>	<ul style="list-style-type: none"> <li>• Demand response</li> <li>• Time varying rates</li> </ul>	<ul style="list-style-type: none"> <li>• Utility scale batteries</li> <li>• Pumped hydro storage</li> <li>• Geothermal</li> </ul>	<ul style="list-style-type: none"> <li>• Revelstoke Generating Station Unit 6</li> <li>• Transmission upgrades</li> </ul>
<b>Energy</b>	<ul style="list-style-type: none"> <li>• Expanded energy efficiency programs</li> <li>• Customer local generation</li> </ul>	<ul style="list-style-type: none"> <li>• Onshore wind</li> <li>• Solar</li> <li>• Small hydro storage</li> <li>• ...and others</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrades to existing smaller facilities</li> </ul>

# Your input, feedback and questions

Let's open the session for discussion and your contribution

Protecting the environment

Affordability

Economic opportunities

Other

As we start drawing up a draft plan:

- What are your interests?
- How do you see the future electricity needs of our customers?
- What are your views on the different ways we could serve those future needs?
- What do you want us to be thinking about?

# Thank you for participating

## We want to hear from you

- Please take the survey that will be emailed to you at the end of June (open until September 10)
- Request a one-on-one meeting with BC Hydro via the email address below
- Provide input /ask questions by email: [Integrated.Resource.Plan.First.Nations@bchydro.com](mailto:Integrated.Resource.Plan.First.Nations@bchydro.com)
- Participate in a consultation workshop on the draft IRP in February 2025