

# Impact Assessment of the Peace River Nuclear Power Project

INFORMATION AND ENGAGEMENT SESSION – JUNE 24, 2025

# Land acknowledgement

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# Topics of presentation

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- Who we are
- Peace River Nuclear Power Project
- Integrated assessment of nuclear projects
- Public participation
- Have your say
- Next steps
- Discussion



# Who we are

INTRODUCTION



# Impact Assessment Agency of Canada (IAAC)

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- Federal agency reporting to the Minister of **Environment and Climate Change**
- Conducts federal impact assessments on major projects in Canada (like marine terminals, major mines and nuclear facilities) under the ***Impact Assessment Act***
- Works with the support of other federal departments
- Conducts Indigenous consultation and meaningful public engagement
- Cooperates with provincial, territorial and Indigenous jurisdictions



Impact Assessment  
Agency of Canada

Agence d'évaluation  
d'impact du Canada

# Canadian Nuclear Safety Commission (CNSC)

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- Canada's nuclear regulator
- Administers the *Nuclear Safety and Control Act* (NSCA)
- Regulates the use of nuclear energy and materials to protect health, safety, security and the environment
- Implements Canada's international commitments on the peaceful use of nuclear energy
- Disseminates objective scientific, technical and regulatory information to the public



# Peace River Nuclear Power Project

ENERGY ALBERTA



# Energy Alberta and the Peace River Nuclear Power Project



(Image source: Peace River Nuclear Power Project – Initial Project Description – April 2025)

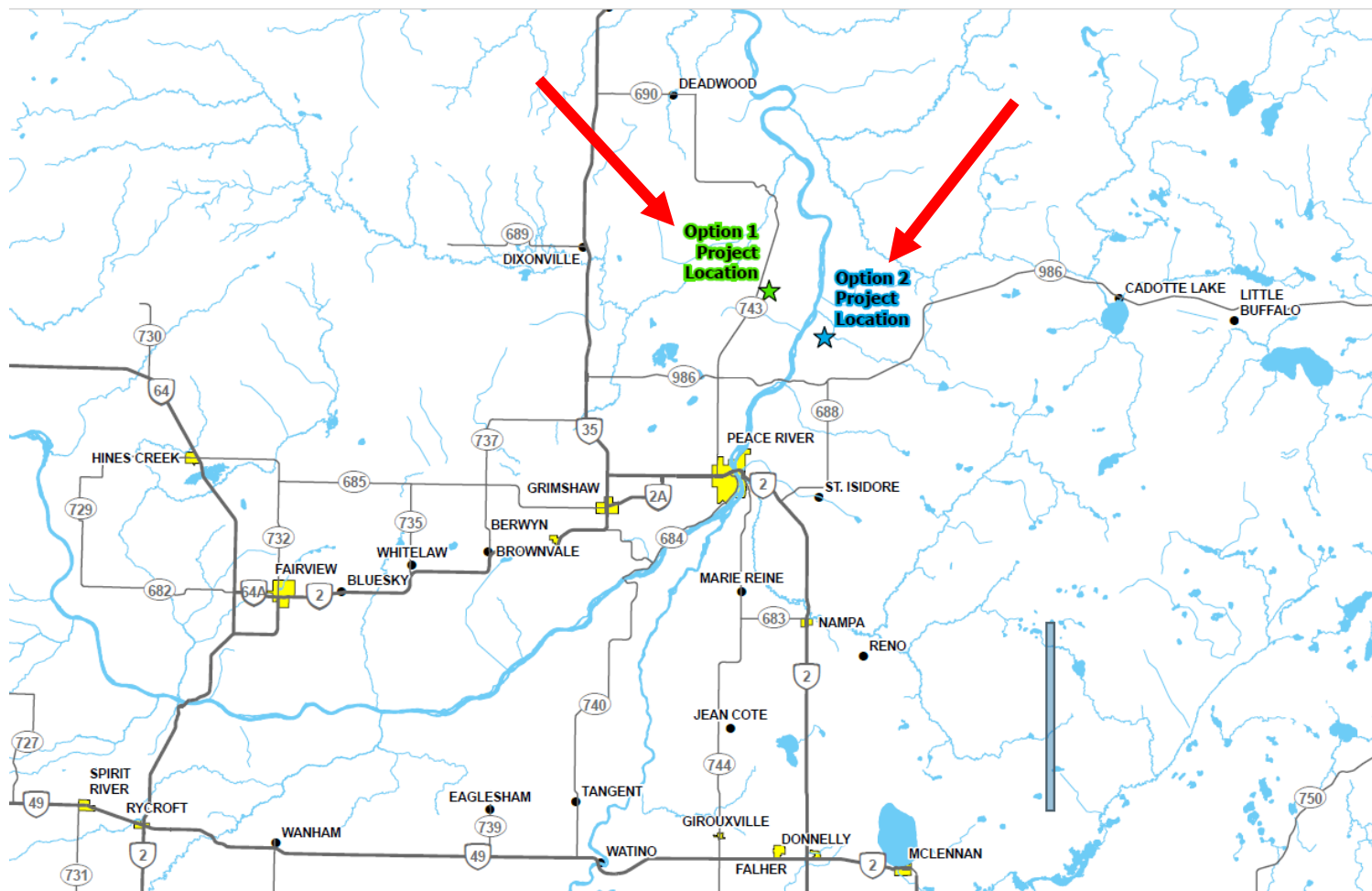
- Proposal for construction, operation and decommissioning of a new nuclear generating station
- Two potential sites north of the Town of Peace River, Alberta
- Project would provide up to 4,800 megawatt-electric of new nuclear generating capacity in Alberta
- Would operate for approximately 70 years
- Construction of two twin CANDU MONARK (4 in total) nuclear reactors



# Project Location

There are two locations under consideration for the Project. Both are approximately 30 kilometres (km) north of the Town of Peace River in Alberta.

- **Option 1:** West side of the Peace River
- **Option 2:** East side of the Peace River



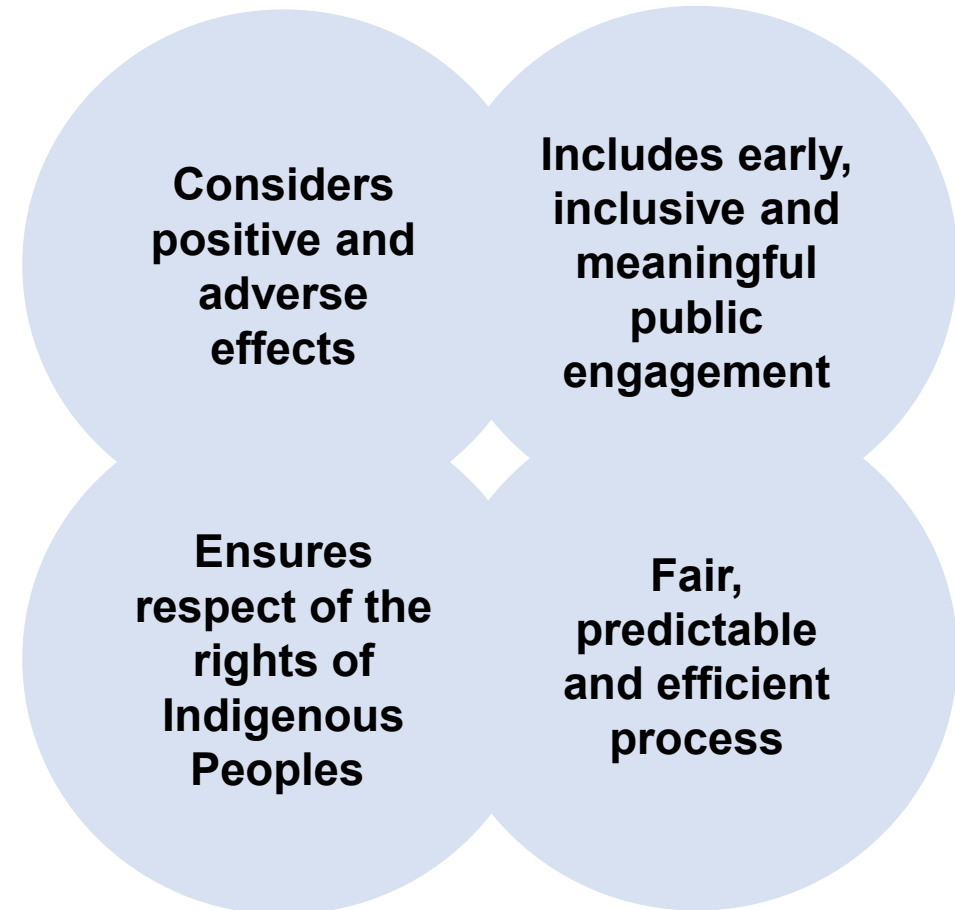
# Integrated Assessment of Nuclear Projects

GENERAL OVERVIEW AND CURRENT STATUS OF PROCESS

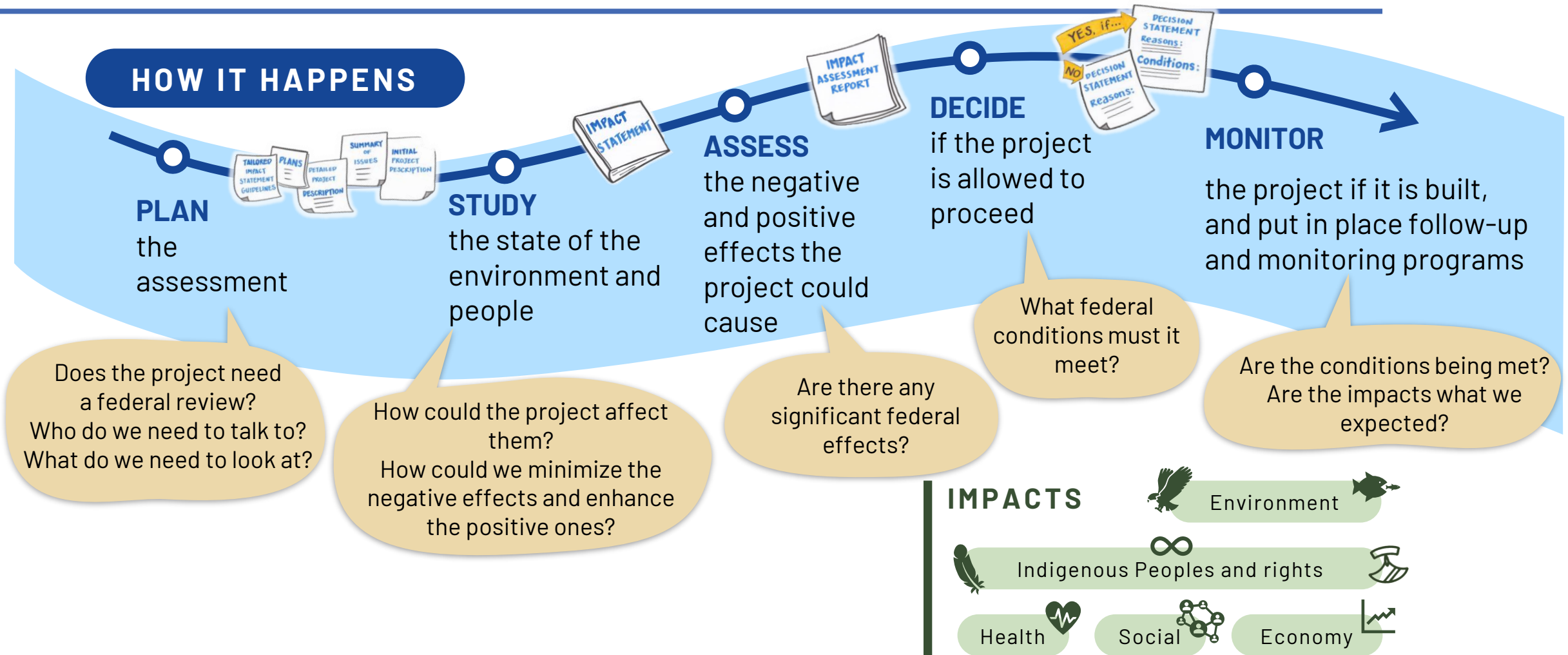


# Integrated Assessment of Nuclear Projects

- When a project includes activities regulated under the NSCA, IAAC works with the CNSC to conduct an integrated assessment.
- IAAC and the CNSC:
  - cooperate with the common objective that all their requirements are achieved in a single integrated assessment as "one project, one assessment"
  - assess potential effects over the lifecycle of the project and considers the application for the first licensing phase of a nuclear facility (the "Licence to Prepare Site").
- CNSC has a robust regulatory framework for licensing and compliance of nuclear facilities and activities

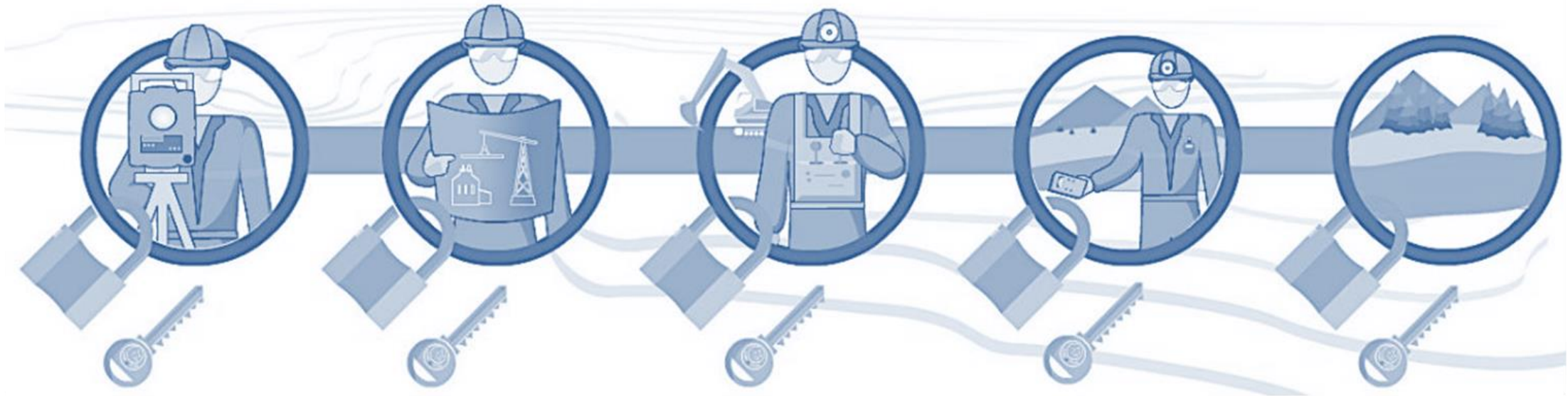


# Phases of an Integrated Assessment





# Nuclear Facility Licensing Stages



**Site Preparation**

**Construction**

**Operation**

**Decommissioning**

**Release from CNSC  
regulatory control**

**Licence to  
Prepare Site**

**Licence to  
Construct**

**Licence to  
Operate**

**Licence to  
Decommission**

**Licence to  
Abandon**



# Overview of Key Documents

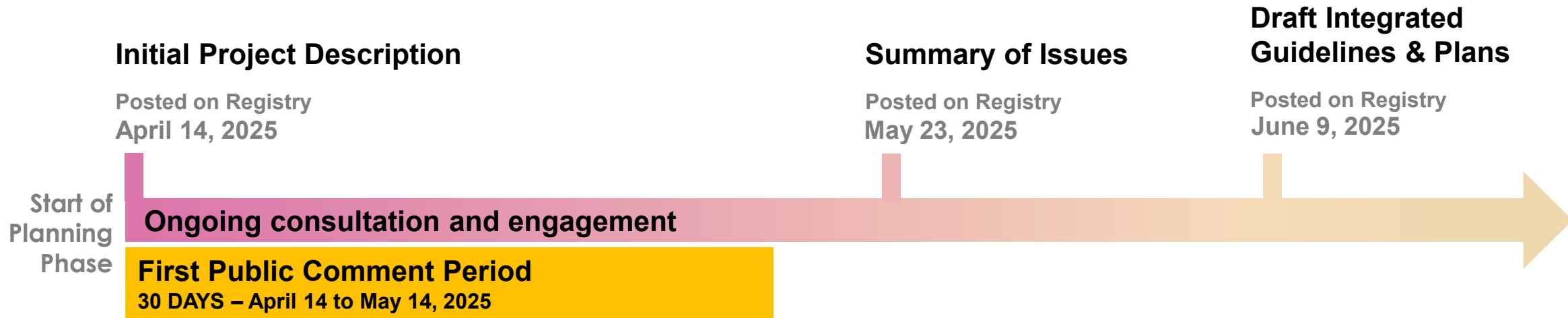
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The integrated assessment process includes several key documents which are drafted during the planning phase:

- Integrated Tailored Impact Statement Guidelines
- Public Participation Plan
- Indigenous Engagement and Partnership Plan
- Cooperation Plan
- Permitting Plan



# Planning Phase Timeline



## Key Documents



# Planning Phase Timeline Continued

**Proponent submits response to the Summary of Issues**

Accepted Summary of Issues posted on Registry  
Submitted on June 23, 2025

**IAAC determines if an Integrated Assessment is required**

Posted on Registry  
Early July 2025 is Targeted

**Final Integrated Guidelines & Plans are published**

**Notice of Commencement is issued**

Posted on Registry by end of Planning Phase  
Legislated 180 Day Planning Phase  
Timeline Ends October 11

End of Planning Phase

Ongoing consultation and engagement

**Second Public Comment Period**  
30 DAYS – June 23 to July 23, 2025

★ **We Are Here**

## Key Documents



INITIAL PROJECT DESCRIPTION



SUMMARY OF ISSUES



INTEGRATED TAILORED IMPACT STATEMENT GUIDELINES (TISG)



INDIGENOUS ENGAGEMENT AND PARTNERSHIP PLAN



PUBLIC PARTICIPATION PLAN



PERMITTING PLAN



COOPERATION PLAN

# Public Participation

HOW YOU CAN PARTICIPATE IN THE ASSESSMENT



# Public Participation Informs the Integrated Assessment

## Shaping the assessment process

- Your feedback can help shape:
  - the key issues to be addressed
  - the studies and information the proponent needs to collect
  - how your community is involved in the assessment

## Sharing important information

- Members of the public, Indigenous Nations and Communities, IAAC, CNSC, the proponent, and other stakeholders may have and provide important information for the assessment
- Comments posted online are publicly visible and permanently housed on the Canadian Impact Assessment Registry

## Influencing the project

- Your feedback can:
  - inform creative solutions to maximize positive project effects and minimize negative effects
  - support the review panel in making their recommendations on the project
  - support federal cabinet in making the IA decision, and the CNSC making a licensing decision

# Ways to Participate

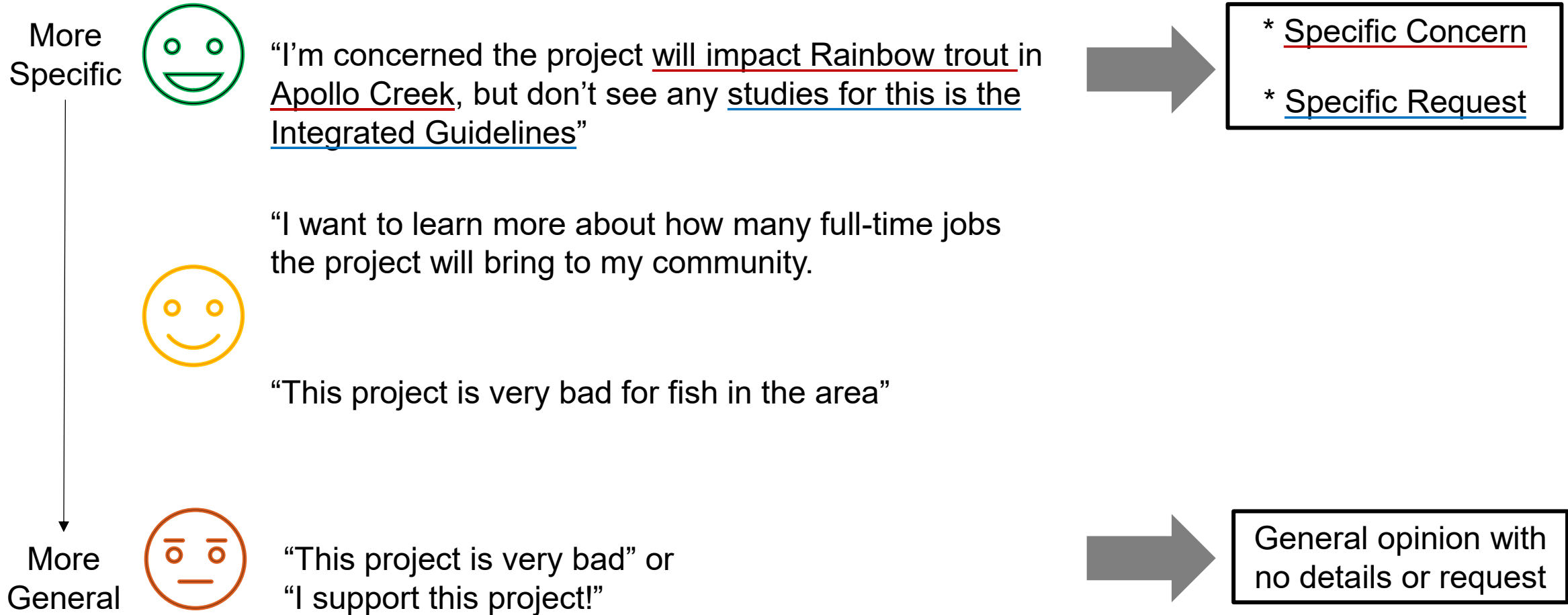
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The integrated assessment process includes several opportunities for **public participation** through various means, including:

- providing comments online via the Registry or by mail
- attending info sessions online or in person, public hearings
- open-house events, technical workshops
- community meetings with proponent, etc.



# Providing Meaningful Input



\* Comments with derogatory language or profanity are **not** accepted

# Reminders

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## Reminders:

Submit your comments on the:

- Draft Integrated Tailored Impact Statement Guidelines
- Draft Public Participation Plan

Before July 23, 2025 11:59 PM

## Contact information :

Impact Assessment Agency of Canada  
Peace River Nuclear Power Project  
613-699-6778

[peacenuclear-nucleairepaix@iaac-aeic.gc.ca](mailto:peacenuclear-nucleairepaix@iaac-aeic.gc.ca)

## Media relations :

[Media@iaac-aeic.gc.ca](mailto:Media@iaac-aeic.gc.ca)



# Thank you!

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Questions?  
Comments?

[Peace River Nuclear Power Project](#)

613-699-6778

[PeaceNuclear-NucleairePaix@iaac-aeic.gc.ca](mailto:PeaceNuclear-NucleairePaix@iaac-aeic.gc.ca)

Social Media: [@iaac\\_aeic](#) [#PeaceRiver](#)



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