43RD ANNUAL CONFERENCE OF THE INTERNATIONAL ASSOCIATION FOR IMPACT ASSESSMENT

A FAST AND GREEN TRANSITION: ARE JUST AND FAST COMPATIBLE?

24-27 April, 2024, Dublin, Ireland
10
Average timeline to achieve a project

- Preliminary design + Baseline study + Impact assessment: 2-5 years
- Impact assessment analysis + government consultation: 1-2 years
- Project authorization + project construction: 10-15 years
- Constant consultation

Min: 10 years
Max: 22 years
Projected trajectory of electricity and the Energy Transition in the Province of Quebec

- 2022 Action Plan horizon
- 2035 Horizon for full decarbonization
- 2050

- +60 TWh
- +150 TWh
- +200 TWh

- 100% decarbonization
- 2x more electricity

- 40% for transportation electrification and the decarbonization of buildings
- 35% for industrial decarbonization
- 25% for economic growth

75% dedicated to the decarbonization of Québec
1. Improve service quality.
Increase our investments in the power grid to offer our customers reliable, high-quality service at an affordable price.

2. Help our customers make better use of electricity.
Innovate to encourage our customers to treat electricity as a valuable resource.

3. Increase our power generation capacity.
Identify and launch the best projects that will enable us to generate more electricity to support Québec’s ambitions.

Work towards economic reconciliation with First Nations and Inuit, in collaboration with the Québec government.

5. Become an agile, innovative and transparent organization.
Transform our ways of doing things to better meet our customers’ needs and support Québec’s decarbonization and economic prosperity.
5 players in the field of project ecosystem

- Supply chain
- Workforce availability
- Available financing
- Legislative and regulatory framework
- Social and environmental acceptability
An *ecosystem* at work: recipe for a good project

- Good renewable projects
- Create a vision
- Direct benefits
Do different locations share common environmental and social issues?

- Northern, remote, large territory
- Southern, urban, neighborhood size
Understanding the component of interest

Power increase vs refurbishing project
### Comparaison of issues for just and better project

**Simon-Sicard (SS)**
- South, urban project
- No added power or energy
- 1.7 km of wall maintenance
- Same electricity generation as before
- A green kilowatt: a very profitable drop of water

**New project: Eastmain-Sarcelle-Rupert (ESR)**
- North
- Increase in electricity generation
- The same water is used to generate electricity 4 times
- A green kilowatt: a very profitable drop of water

### Issues / Valued Component of the Environment

<table>
<thead>
<tr>
<th>ESR</th>
<th>Issues / Valued Component of the Environment</th>
<th>SS</th>
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<tbody>
<tr>
<td></td>
<td>Conservation of fish habitat</td>
<td>●</td>
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<tr>
<td></td>
<td>Maintenance of terrestrial and semi-aquatic biodiversity</td>
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<td>Preservation of Indigenous quality of life and land use</td>
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<td>Maximization of economic spinoffs for Indigenous and Non-Indigenous</td>
<td>X</td>
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<td>Maintenance of recreational and scenic value of the land</td>
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Maintain water levels / ecological function

8 hydraulic structures built on the Rupert river
An answer to all 5 environmental and social issues
Creation of an inclusive citizen space
Dialogue & Discussion

- 2007-2023: 134th meetings
- 1 permanent committee
- 15 members (8 Crees)

- 2019-2022
- More than 10 groups
- Citizens

Continuously TRANSPARENT
Outreach • listening
Significant
Durable representational
A new player in this project «ecosystem»?
Fast ? Just and better project

- Good renewable projects
- Create a vision for the local community
- Create job for the community

Real and significant consultation

Maintain preserve biodiversity, recreational and scenic value of the land

Put the environment and the community at the center of the decision making

Don’t rush the process (good and significant consultation) → COMMITMENT

Artificial intelligence:

- Better and faster data collection, monitoring, faster IA writing, tool to improve surveillance efforts, etc

Risk: lost of regional and community subtlety?

Adaptation
Thank you