

Future Energy Project - Purpose and Process

Researcher:

Margot A. Hurlbert, Canada Research Chair,
Johnson Shoyama Graduate School of Public Policy
University of Regina
306-585-4232
Margot.Hurlbert@uregina.ca

Research Assistant:

Jane Akpan
Jane.Akpan@uregina.ca

Facilitator:

Guy Bruce, P.Eng
Consultant (retired from SaskPower)

Purpose and Objectives of the Research:

1. The purpose of this study is to examine people's perceptions surrounding pathways of de-carbonization or Greenhouse gas (GHG) reduction in order to meet Canada's global climate change commitments and stated aspirational goals.
2. We are interested in people's perceptions surrounding energy consumption, production and policy. In addition, considering that electrification of end use is an option being discussed to achieve large reductions in GHG emissions, we are interested in perceptions regarding the various technology options being considered for electricity production.
3. The results of this study will be used to inform Saskatchewan and Canadian public policy.
4. The data and results will be published in academic journals, newsletters, websites, social media, or newspapers. Results may be presented at conferences, lectures, media interviews, video streams, or symposiums. The results may be shared with employees of energy production companies.

Process:

- You will be invited to participate in a virtual on-line focus group discussion which is expected to take up to 3 hours. A set of questions are provided below which are intended to stimulate thought and discussion. We ask that you think about these in advance of the session.
- The focus group will include group introductions, review of consent, and a short presentation by the facilitator. Margot Hurlbert will attend to introduce the research project and observe the discussion.
- The facilitated group discussion will be audio-recorded to ensure participants' comments are accurately captured. **Comments recorded and used in the final report will not be attributed to any individual or the organization you represent.** You will be asked to complete a follow up survey after the group discussion.

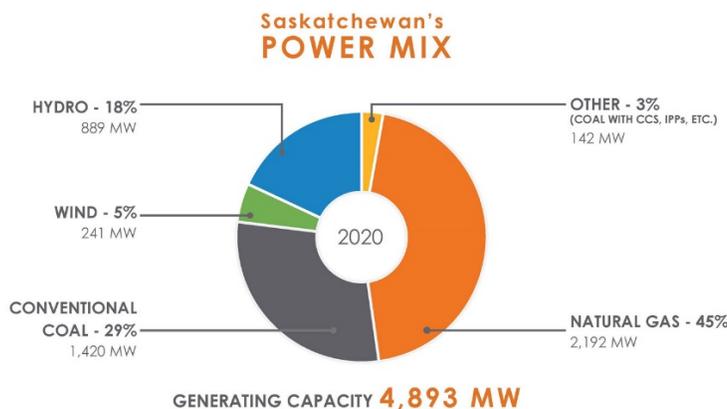
INDUSTRY AND LARGE CONSUMERS FOCUS GROUP

Questions for Discussion

These questions are being provided to participants in advance and are intended to stimulate discussion during the upcoming focus group. During the discussion we will gather feedback to use in reports that may inform Policy decisions on Energy Transition in Saskatchewan.

1. Does your organization have a goal to reduce its GHG Emissions?
If so, what is the planned reduction, what is the timeframe and how will it be achieved.
2. To what extent does your organization consider energy efficiency and digital infrastructure (eg grid modernization, real time data collection) as mechanisms to achieve meaningful progress toward Canada's aspirational goal of achieving net zero GHG emissions by 2050?
3. Does your organization support electrification of end use as a means to reduce greenhouse gas emissions. Examples of end use may include energy required for transportation, building heating, industrial processes.
4. Is your organization looking at options to replace or augment natural gas for process and/or building heat sources? If so, what options are being considered? Examples might include co-generation, small modular reactors, hydrogen, renewable natural gas.
5. Is your organization considering self-generation of electricity? If so, what types of generation are being considered and on what scale?
6. What do you think Saskatchewan's power supply mix could or should look like in 2050 considering the current supply mix, options currently under consideration and Canada's aspirational goal to achieve net zero emissions by 2050.

Supply Mix as of June 2020



Supply Options Under Consideration as of June 2020

- Biomass
- Coal
- Coal with Carbon Capture Storage
- Cogeneration
- Flare Gas
- Geothermal
- Hydro
- Imports
- Natural Gas*
- Nuclear Power from Small Modular Reactors
- Solar
- Waste Heat
- Wind

*Although not listed as an option SaskPower's web-site, some studies are being done on to determine feasibility of CCS on natural gas fired plants

Source:

<https://www.saskpower.com/Our-Power-Future/Our-Electricity/Electrical-System/Balancing-Supply-Options>

7. Are there any other technologies that should be considered in meeting Saskatchewan's energy supply needs?
8. What opinions do you have about the attributes of each option under consideration such as: economic, environmental, reliability, resilience, security of supply.

We look forward to your participation and a very productive dialogue.

In addition to publications referenced above, another potential outcome of this work will be one or more policy briefs which will be read by senior government officials. Examples of past Policy Briefs written Johnson Shoyama Graduate School of Public Policy by can be found on our website. <https://www.schoolofpublicpolicy.sk.ca/research/publications/jsgs-policy-brief-archives.php>