

# FUTURE SUPPLY PLAN 2030 AND BEYOND



November 2022 - May 2023

## UNDERSTANDING YOUR PRIORITIES – STAGE 2 SUMMARY

### WHAT WE DID

We're planning how to supply power to Saskatchewan beyond 2030 and have invited Saskatchewan residents to participate. There are five stages in the process – and we're looking for input at each stage. This project is focused on supporting participation from a broad range of people, without requiring a technical background in electricity.

In Stage 2, we asked participants about the power supply options they preferred. We also learned which values and priorities were most important in key areas such as:

- Cost and technology
- Emissions and environment
- Human and social factors



To accomplish this, we proactively promoted the opportunity to get involved in Stage 2 engagement and learning opportunities and over 15,000 people participated. In response to what we learned in Stage 1, we offered several online webinars and learning opportunities about the supply options we're considering such as distributed generation, renewables, and nuclear power. We also hosted seven online facilitated workshops with 125 participants that included time for learning with SaskPower experts and discussion with other participants. These sessions were valuable to give us a more nuanced perspective on how our customers look at supply planning decisions and trade-offs.

From Nov. 16, 2022 to April 6, 2023 we had:

- 14,600 visits to [saskpower.com/engage](https://saskpower.com/engage)
- 15,323 completed surveys
- 174 completed quick polls
- 42 ideas submitted
- 43 questions answered

## WHAT WE HEARD

Cost of power was the leading topic of discussion, but it wasn't the only important consideration. In terms of economic considerations, impacts to current host communities and workers were important as well.

Participants had clear preferences for supply options. Renewable power options, such as hydro power, had the most support overall. Solar and wind were the next most popular options, although they had their detractors. Similarly, nuclear power was polarizing but was still supported by two-thirds of participants. Despite being a greenhouse gas (GHG) emitting source of power, natural gas had the support of three-quarters of participants. Importing power was a comparatively unpopular option. It was associated with energy insecurity and lost economic opportunities.

In terms of environmental perspectives, participants rated impacts to water and wildlife as an even higher priority than GHG emissions. Participants also want to better understand the full life cycle environmental impact of each option, especially renewables. Concerns about nuclear related primarily to safety and storage of waste.

In terms of expectations of SaskPower, customers want to see a balance between progressive innovation and responsible stewardship. Programs such as net metering that enable customers to generate their own power are closely associated with this expectation.

## WHAT'S NEXT

Each supply option has its share of existing support and opposition, so it'll be important to help participants make their own fair and balanced comparisons of all options. That information should include full cost breakdowns (known in the industry as Levelized Cost of Electricity or LCOE). The projected cost of power in the future will be important to understand as affordability is an area of concern.

Participants also want to understand detailed information about life cycle emissions. We recognize that credible information can be challenging to find, considering all the variables in manufacturing and unknowns about the future potential for recycling.

Given the desire and opportunity to reimagine the grid for the future, it'll be important to reflect new and innovative approaches to how power is generated, stored, and distributed. Identifying the best use of imports and exports is an important aspect of our supply plan, as we look for ways to collaborate for the best economic, reliability and environmental results.

As we approach the midway point in this engagement, we're encouraged by the level of interest and engagement our customers have taken. As we prepare for next steps, we're looking forward to Stage 3 which promises to be a very information-rich stage in this conversation.