



AN UPDATE TO OUR  
**Future-Focused Portfolio**



# electricity for 2030

**OUR VISION FOR BEING  
A CANADIAN LEADER IN  
SUSTAINABLE ELECTRICITY**



# the need

We need more power. During our cold and dark winters, Yukoners already use more than 90% of the electricity available in the territory.

We know that Yukoners want renewable electricity solutions that will provide future generations with the resources they need in a clean and responsible manner.

And while we already have one of the cleanest power systems in Canada, our ability to meet your needs now, and in the future, means we have to add more sources of renewable electricity to the grid in the next 10 years.



our vision for

2030

## is clean

By 2030, we envision a robust and affordable electricity system that is on average, 97% renewable.

- » Electricity generated on the grid would come from hydro, solar and wind resources.
- » Pumped hydro and battery storage systems would help store renewable electricity when there's low demand for it and then use it when demand for power increases.
- » Liquefied natural gas (LNG) and diesel engines would still be used when renewable resources aren't available.

Enough renewable electricity would also be supplied each year to support Yukoners' use of electric vehicles and heating. Using renewable electricity instead of fossil fuels in these cases would help reduce carbon emissions in Yukon's transportation and heating sectors and help meet carbon emission targets in Yukon government's *Our Clean Future* strategy.

# provide your input

All comments received will be reflected in the plan's What We Heard Report that will be used by our project team and Board of Directors to make future decisions about our 10-Year Renewable Electricity Plan.

## WAYS TO PROVIDE YOUR COMMENTS:



Return this comment card by mail to  
**Yukon Energy**  
**ATTN: Community Engagement**  
**#2 Miles Canyon Road, PO Box 5920**  
**Whitehorse, Yukon Y1A 6S7**



Attend a COVID-Safe community or virtual meeting. Find and register for meetings at  
**[yukonenergy.ca/electricityfor2030](https://yukonenergy.ca/electricityfor2030)**



By email at  
**[communications@yec.yk.ca](mailto:communications@yec.yk.ca)**



Online at  
**[yukonenergy.ca/electricityfor2030](https://yukonenergy.ca/electricityfor2030)**





Additional comments

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**Out of space?** Please feel free to include additional paper.





our vision for  
**2030**

# is sustainable

Projects in our plan are based on proven and commercially-ready technologies.

## PROJECTS CURRENTLY UNDERWAY: NEW PROJECTS WE NEED:

- » Hydro upgrades and storage enhancements
- » Battery storage
- » Purchasing power from community-based solar, wind and hydro projects
- » Using solar power generated by homes and businesses with solar panels
- » Energy conservation programs
- » Replacing end-of-life diesel generators

- 1. Purchasing hydro power from Atlin** to make more dependable renewable power available in the short-term. The hydro plant is owned by the Taku River Tlingit First Nation's development corporation.
- 2. Building a new pumped storage facility at Moon Lake, BC** to store the extra renewable power we can't use in the summer for use in the winter when we need it the most.
- 3. Expanding and upgrading the Southern Lakes transmission network** to connect the Atlin, Moon Lake and other community-based projects to the grid, and to open up future sales opportunities to Skagway.

For more detail about each of these projects, please visit [yukonenergy.ca/electricityfor2030](http://yukonenergy.ca/electricityfor2030)



our vision for

2030

# is community-focused

All Yukoners have a role in building the sustainable electricity future we want.

## FIRST NATIONS GOVERNMENTS AND DEVELOPMENT CORPORATIONS

- » As energy proponents, partners and investors that create opportunities for investment, contracting, employment and training.
- » As participants at the forefront of assessments, permitting and approval stages of each project.

## COMMUNITIES

- » As independent power producers that build and sell renewable electricity back to the grid.

## INDIVIDUALS AND BUSINESSES

- » As participants in energy conservation, peak shifting and retrofitting programs.
- » As owners of rooftop solar panels to generate your own renewable electricity and to sell any excess back to the grid.
- » As contractors with more than \$500 million in opportunities available.

## YOUTH

- » As advocates for a clean and responsible electricity future.
- » As pioneers of new renewable technologies.
- » As students and trainees in new electricity projects.



# our vision for 2030

## will lead to a better Yukon

### HOW? BY:

- » Adding dependable sources of renewable electricity that are available in the winter.
- » Reducing reliance on diesel and LNG for power production.
- » Cutting carbon emissions.
- » Creating opportunities for First Nations, communities, individuals and youth to actively participate in the electricity sector.
- » Creating jobs and subcontracting opportunities.
- » Promoting energy conservation.

### WHAT WILL THIS ALL COST YUKONERS?

Projects in this plan are expected to cost more than \$500 million, a cost that is beyond what Yukoners can bear alone.

Federal funding of these projects will be key to keeping electricity rates affordable. We've already begun to work on securing funding and partnerships, but federal funding will not cover all of the expected costs. Yukoners can expect electricity rates to increase by some degree over the next ten years.



# electricity for 2030