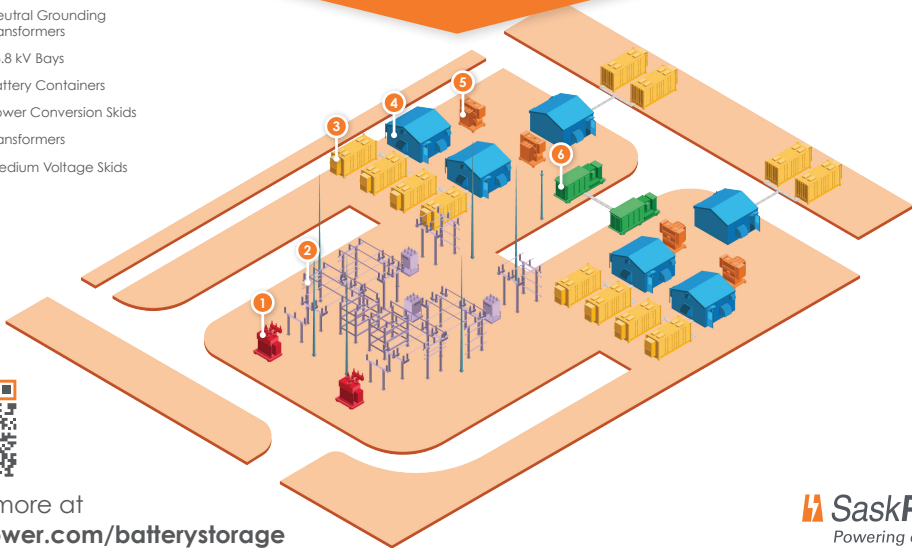


# Regina Battery Energy Storage System (BESS)

- 1 Neutral Grounding Transformers
- 2 13.8 kV Bays
- 3 Battery Containers
- 4 Power Conversion Skids
- 5 Transformers
- 6 Medium Voltage Skids



Learn more at  
[saskpower.com/batterystorage](https://saskpower.com/batterystorage)

**The Regina BESS project is SaskPower's first ever utility-scale battery energy storage system. It will be able to provide 20 megawatts (MW) of power for up to one hour.**

This important project will:

- Support our plans to lower greenhouse gas (GHG) emissions and achieve a net-zero GHG power system
- Act as a support to intermittent generation options like wind and solar
- Balance the power system when demand spikes for short periods of time
- Give us valuable experience operating and maintaining a battery energy storage system and help us understand all the benefits such systems can provide



**The energy storage capacity of this BESS is equivalent to about 5.72 million AA batteries.**

## **BY THE NUMBERS**

- 102 metre (m) x 69 m BESS yard size—comparable in size to a football field
- 63 kilometres (km) of interconnecting cable—almost the distance from Regina to Moose Jaw
- 152 m x 77 m underground grounding grid
- 2 x 10 megawatt hour (MWh) systems, each including:
  - 6 x 2.2 MW/MWh battery containers
    - 120 battery modules in each container
  - 2 x 6 megavolt ampere (MVA) transformers
  - 3 power conversion skids
  - 1 medium voltage skid

## **Medium Voltage Interconnection with the BESS system:**

- 2 x 13.8 kilovolt bays
- 2 neutral grounding transformers