

Snowy 2.0

# The Lady Eileen Hudson

## ► Tunnel boring machine No. 2

LENGTH

**137 metres**

WEIGHT

**2,300 tonnes**

Motors to turn the cutterhead when excavating  
**14 x 350 kilowatts**

TORQUE

**20,715 kilonewton-metres**

**7.9km** Total distance to be  
excavated by this TBM

OPERATING DEPTH

**700m underground**

CUTTERHEAD DIAMETER

**11  
METRES**

(the height of  
a three-storey  
building)

**66**

Cutter discs

**07**

Gantries

**15-20** people needed  
to operate TBM

Excavation progress (on average)

**16m/per day**

**72 concrete  
segments (8 rings)**  
installed per day (on average)

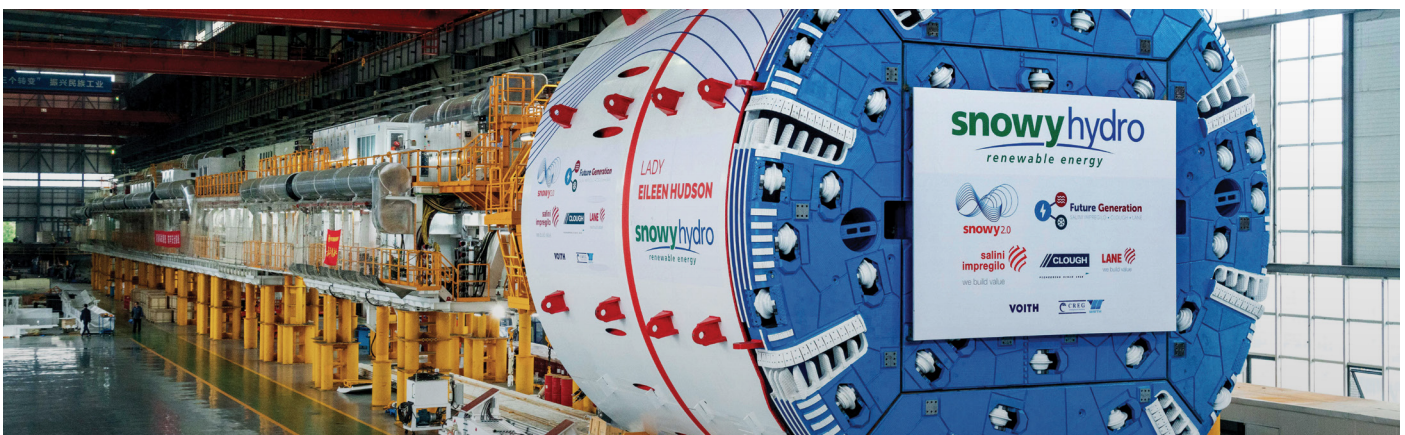
### WHAT IT WILL EXCAVATE

Main access tunnel and  
tailrace tunnel

**4.6**

Cutterhead  
revolutions per  
minute

Manufacturer: CREG, China



## Did you know?

There is a convention for tunnel boring machines (TBMs) to be given female names, a tradition stemming from the 1600s, when miners working underground prayed to Saint Barbara for protection. TBMs must be named before they are launched.



## Lady Eileen Hudson 1905 – 1998

- Lady Eileen Hudson made an enormous contribution to the Snowy Scheme during its construction.
- Along with her husband Sir William Hudson, the first Commissioner of the Snowy Mountains Hydro-electric Authority, Eileen worked tirelessly to promote the Scheme and give the public an understanding of its progress.
- In 1959 she was awarded an OBE in recognition of her commitment as an ambassador for the Snowy Scheme. She hosted many Australian and overseas visitors at her home in Cooma and at other locations.
- Lady Eileen, who cut the ribbon to formally open the Guthega tunnel in 1954 (see photo previous page), was a huge support and ally for her husband, who was responsible for coordinating the construction of the biggest civil engineering project ever undertaken in Australia.
- She was also an independent, strong woman with a deep love for gardens and gardening.
- When touring the Scheme in the early days, she would always bring her gardening gloves and tools to tidy up around the work sites.
- Later she helped establish the Lady Hudson Rose Garden in Khancoban.
- Lady Eileen was also a keen single figure handicap golfer, and a member of the Cooma Golf Club from 1953-1966. During this time, she was Club Captain from 1962-1964 and Club Champion on eight occasions.