

Name:

Date:



SNOWY 2.0 VIRTUAL TOUR

KNOWLEDGE QUEST

OVERVIEW

Interact with the Snowy 2.0 virtual map while taking the Knowledge Quest challenge and immerse yourself in Snowy Hydro's Snowy 2.0 pumped-hydro mega project.

HINT

Stop at location points to find the answers.



ANSWER LOCATION:

[Click here](#) to find the Snowy 2.0 virtual tour map

1 SEGMENT FACTORY

How many concrete segments are needed per kilometre?

Total weight of segments per kilometre?

Research - how many segments are required in one ring? And what would be the total weight?

2 TANTANGARA

1 Tantangara Reservoir is an _____ dam within the Snowy Scheme and is the _____ storage for the Snowy 2.0 Project.

2 On the virtual map locate and name the existing lower water storage reservoir in the project?

3 At what times will the power station generate electricity? Circle

a) Flat times b) Peak times c) Busy times

3 RAVINE ROAD

In your words describe Ravine Road and why it is important

Hint: watch the YouTube video

4 TALBINGO RESERVOIR

1 What makes the Snowy 2.0 pumped-hydro project unique?

2 Tunnel Boring Machine (TBM) Lady Eileen Hudson is currently excavating the main access tunnel. Locate where the other two TBMs are and name them.

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5 LOBS HOLE

Describe the significance of Lobs Hole to the Snowy 2.0 project and why?

6 M.A.T PORTAL

What does the acronym MAT stand for?

M
A
T

How many kilometres will TBM Lady Eileen Hudson have to tunnel to reach the power station site?

7 ECVT

What does ECVT stand for?

E
C
V
T

PERSONAL RESEARCH

What does the word 'egress' mean?

8 POWER STATION



When Snowy 2.0 is operational, how many homes will it power?

How many hours of large-scale energy storage does that equate to?

9 MARICA ROAD

In an emergency shut down of the power station the surge shaft allows water under..... **Circle**

- a) high pressure to escape upwards
- b) low pressure to run downstream
- c) sound an alarm

