

Name:

Date:

SNOWY 2.0 VIRTUAL TOUR

KNOWLEDGE QUEST

HINT

Stop at location points to find the answers.

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.



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

