

THE SNOWY 2.0 POP UP BOOK

KNOWLEDGE QUEST

Jim - the engineer

Hi! Jim here, so glad you have been getting to know all about the Snowy 2.0 project. I've got a few questions that will help you understand more about our next chapter.



1 Dams are filled with
rain and melting snow

2 What happens to the water when you open the gate?

Water flow

Turns the turbines to generate electricity

Irrigation

3 The Snowy Scheme was built between

1949 and 1974

What is the next chapter?

Snowy 2.0

4 What makes the design of Snowy 2.0 unique to the Scheme?

Power station has reversible turbines that pump water back to the top dam to reverse/recycle water

5 Were the Snowy Scheme dams already built?

TICK ANSWER

Yes No

6 Tick the correct name of the digging tool

Tunnel digging machine

Tunnel drilling machine

Tunnel boring machine

Jane - the energy trader

Hello, Jane here, I hope you have learned more about how Snowy 2.0 helps make Australia's renewable energy affordable and reliable. Have a go at these questions to test yourself.

7 What are the top 5 sources of Australia's energy?

Coal

Gas

Hydro

Wind

Solar

8 Over time, renewables will play a much bigger role in the energy market.

9 When supply exceeds demand in the grid, what can Snowy 2.0 do?

Go to sleep

Use excess energy to pump water to the top dam to reuse

Monitor excess energy at lunch time

10 When energy demand is high, Snowy 2.0's generation could be needed to cover peak times



Alex - the construction engineer

Hi there, I'm Alex and I love numbers, data and stats. I hope you do too... check out the questions below and see how you go!



11 Where is Snowy 2.0 currently being built?

TICK ANSWER

- Sydney
- At the top of Mount Kosciuszko
- Within the existing Snowy Scheme in Kosciuszko National Park
- Melbourne

12 Snowy 2.0

can provide energy to
500,000
homes at the same
time

13 Will Snowy 2.0 create jobs?

- yes
- or
- no

14 How many kilometers of waterway tunnels will there be? 27kms

How far underground will the pumped-hydro power station be? 800m

15 What is your favourite statistic?

Students own answer...

Lisa - Procurement

Hello, I'm Lisa. I live and work in my community, like so many people do in our region. Hope you enjoyed meeting some of my friends who are also contributing to the Snowy 2.0 project.



16 Will Snowy 2.0 benefit the local region?

- No
- Yes



17 CHALLENGE QUESTION

Listen to and read some of the local regional stories. In your opinion how will Snowy 2.0 benefit the local economy and growth of the area?

Write your ideas here:
