snowy hydro

NEWS

ISSUE 56 • AUTUMN 2022

Rain check

- Transforming transmission
- Lessons in safety
- Lights on at Tumut 1

INSIDE

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This page: Talbingo Reservoir. Cover image: Lake Jindabyne water release.

CEO UPDATE

A message from Managing Director and CEO Paul Broad

Did you know that our Snowy 2.0 project is Australia's largest renewable energy project and that Snowy Hydro also facilitates renewables through innovative partnerships with wind and solar companies?

This is creating job opportunities in regional Australia including the Snowy Mountains, while powering our biggest cities with clean, affordable and renewable energy.

Our contracts with wind and solar providers increase our generation capacity by 1,000 megawatts (MW). And when the sun isn't shining and the wind isn't blowing, we'll be adding 2,000MW of pumped-hydro energy storage with Snowy 2.0.

We see ourselves as a leader in Australia's transition to renewable energy!

With 2022 well underway, there is a lot of activity on our Snowy 2.0 construction sites. We have two tunnel boring machines (Lady Eileen Hudson and Kirsten) into the mountain at Lobs Hole and a third, Florence, about to start excavating the headrace tunnel at Tantangara.

The workforce has expanded significantly, with more than 1,700 employed on this pumped-hydro megaproject, including many locals. Of course, like the rest of the state, we've had to manage the ongoing challenges posed by COVID-19, but with comprehensive safety precautions in place, the project continues to make excellent progress.

Make sure you keep up-to-date with the latest from Snowy 2.0 via our Snowy Hydro social media channels, the monthly project update videos and the fantastic new Snowy 2.0 Virtual Tour. Visit the Snowy Hydro website to access links to this web-based platform, which is fully optimised for mobile phones, to see all the progress through the interactive map, 3D animations, 360-degree panoramic images and unique video content.

You may have noticed improved mobile phone coverage when driving recently on the Snowy Mountains Highway. I'm happy to say this is as a result of a $1.3 million partnership between the NSW Government and Snowy Hydro to install three small cell antennas between Adaminaby and Talbingo on the Snowy Mountains Highway. Another two sites are due to go live early this year.

As a company, our number one priority is safety, so we are extremely pleased to see this initiative provide a real benefit to all road users.

Snowy Hydro is proud of its legacy of keeping the lights on across Australia - and a significant part of ensuring we continue to do this is maintaining the assets that power the mighty Snowy Scheme.

Tumut 1 Power Station (T1), one of the first Snowy power stations constructed, is currently undergoing a series of important upgrades. As part of a company-wide electrical safety program, T1 will soon have its original lights, switches, distribution boards and power points replaced with the latest in illumination technology. We are pleased to have local contractor PHE Tumut conducting the work for us.

The weather patterns over the last six months have certainly been unseasonal, delivering significant rainfall events in November and December 2021 and continuing through January, with Snowy Hydro's catchments collecting an abundance of 'fuel' to generate clean hydro power.

The water levels in Lake Jindabyne have been up around 100%, we've had to make some releases and levels have remained high - we could expect this to continue for a while yet.

We are maintaining our decades-long support for the Snowy Mountains community through the Snowy Hydro Community Grants Program and you still have time to lodge an application for the current intake period - we need to receive your online application for a grant of up to $10,000 by 15 March 2022. There's more information on our website.

Paul Broad

Managing Director and CEO

Ravine Road North at Lobs Hole

TBM Florence cutterhead lift

Snowy 2.0

With two tunnel boring machines excavating and the third almost ready to start, Snowy 2.0 is entering the next phase of construction, with much of the activity happening underground.

About 27 kilometres of tunnels will be excavated to build Australia's largest committed renewable energy project, a 2,000MW pumped-hydro expansion of the mighty Snowy Scheme.

TBM Kirsten has advanced 200m underground on the emergency cable and ventilation tunnel (ECVT), with the installation of materials handling and ventilation infrastructure scheduled to be completed in March. The 211m-long machine will spend the remainder of 2022 tunnelling to the south side of the power station complex.

TBM Lady Eileen Hudson is now more than 1.4km underground and has tunnelled halfway to the end location on the north side of the power station complex. Tunnel drainage and invert works have commenced, along with the installation of permanent and temporary support. This is to prepare for breaking out through the concrete tunnel lining to commence work on the drill and blast tunnels.

The rock being cut by the two tunnel boring machines is about the size of railway ballast. This rock is transported out from the TBMs via conveyor belts attached to the top of the concrete segment-lined tunnels. After being removed from the tunnel, the material is being put to good use to build up pad areas for more facilities in the main yard at Lobs Hole. This area is being prepared for project infrastructure such as warehouses and maintenance workshops, and also to create space for the arrival of the componentry that will be used in the construction of the underground power station.

Over at Tantangara, TBM Florence is gearing up to start work on the headrace tunnel, with the TBM launch planned for late March. The 17km headrace tunnel links Tantangara to the power station, providing the water supply to the penstocks that will drive the generators, with around 800m of head pressure.

What's inside the ECVT

The ECVT will be divided into two sections by a concrete wall. One side will provide the emergency access or egress route from the power station complex. This section of the tunnel also acts as a secondary access suitable for pedestrians and light vehicles.

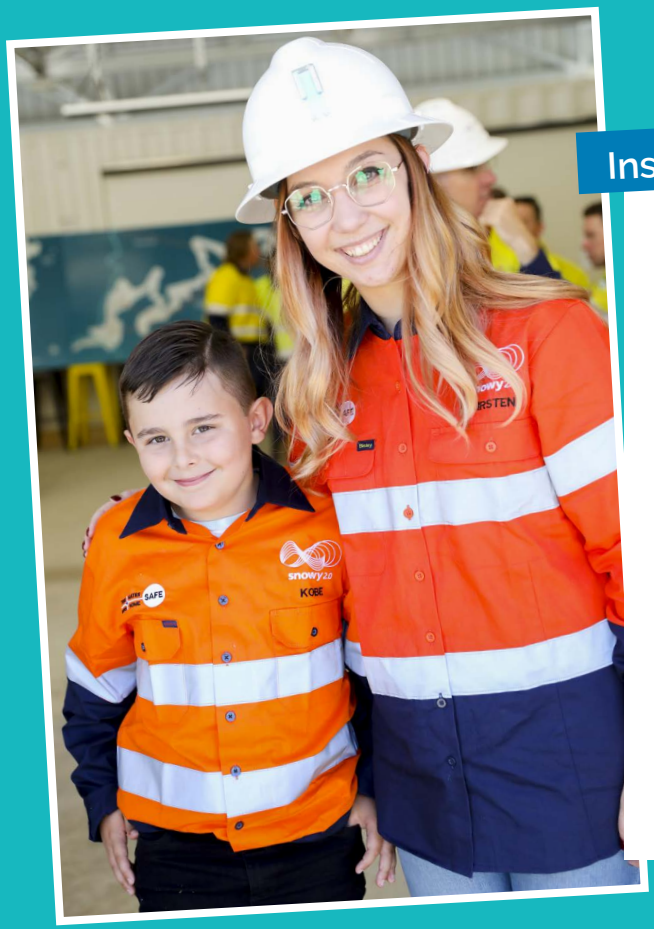
High voltage cables will convey power generated by the six variable speed turbines through to the Gas Insulated Switchyard on the surface. The cables will be located on the other side of the wall. The wall also acts as a safety separation barrier between personnel and the high voltage cables, and between clean and dirty air.

A key feature of the tunnel is the ventilation. Clean air will be forced down the tunnel to the power station complex on the accessible side, while dirty air from the power station will be pushed to the surface on the cable side. This ensures there will always be clean air available for emergency egress.

The ECVT will be used permanently for ventilation and cables, and intermittently for general access and maintenance. The tunnel is an essential component of Snowy 2.0's construction, providing secondary access with clean air to the power station complex.

TBM Kirsten gantries

Inspecting TBM Kirsten



Kobe Burnes and Kirsten Banks

Inspired by science

The commissioning of the second tunnel boring machine to begin excavating for Snowy 2.0 was a big occasion for young Kobe Burnes. The local school student was invited to attend the official ceremony at Lobs Hole after winning the competition suggesting the name for the TBM.

Named after Australian astrophysicist and science influencer Kirsten Banks, the TBM was far bigger than Kobe imagined. He was thrilled to tour the giant excavator and said his favourite fun fact was learning that "when the TBM goes uphill diagonally, all the stairs go flat."

Impressive as it is, the TBM did not overshadow Kirsten, who Kobe describes as "an amazing person and a great inspiration - that's why I chose her." The pair happily posed for photos and created Tik Tok videos for Kirsten's social media.

Tailem Bend solar farm panels

ENERGY

Transforming transmission

The transition to renewable energy is well underway and the evidence is all around us. New wind and solar farms are being developed all over the country. Rooftop solar panels are more affordable and popular than ever. And of course Snowy Hydro is building Snowy 2.0, to store excess renewable energy and release it when demand for electricity is high.

These are the most visible signs of the renewables revolution. But there is a less well-known part of the energy system that is playing a critical role in Australia's transition to net zero. The transmission system - the poles and wires that transmit electricity at high voltage - is undergoing a transformation of its own.

Until recently the energy system was dominated by a small number of large coal-fired generators. Those generators were usually built next to coal mines, and transmission lines were planned around the location of those generators.

Australia is blessed to have excellent renewable energy resources, but they are geographically diverse and often located far from existing transmission lines. NSW is currently planning five Renewable Energy Zones in the Central-West Orana, New England, South-West, Hunter-Central Coast and Illawarra regions to accelerate the growth of renewables, and more are planned in other states.

As renewables replace coal as the country's main source of electricity, there is a need to upgrade the transmission network to take advantage of these resources. Fortunately, the Australian Energy Market Operator has developed the Integrated System Plan (ISP) to do just that. It is important that the ISP is supported and implemented, filling in the missing links in the transmission network and benefiting all parts of the energy system.

In the coming years the ISP, which will support streamlining the assessment processes, will guide system planners to upgrade existing and build new transmission lines. This will allow surplus energy from one region to be exported to another (including to storage facilities like Snowy 2.0), making clean, renewable energy stronger and more resilient. Strengthening the transmission network will be a vital part of Australia's low-carbon economy.


Florence Violet McKenzie

WOMEN IN STEM

MARVELLOUS MRS MAC

Considering the many important 'firsts' on Florence Violet McKenzie's list of achievements, it's surprising she is not a household name. Until recently, even her living relatives had no idea who she was.

Berridale Public School student Riley Douch nominated Florence McKenzie, Australia's first female electrical engineer, as a potential honouree for one of Snowy 2.0's tunnel boring machines. Thanks to Riley's winning suggestion, the TBM excavating the headrace tunnel at Tantangara will be christened Florence and generations of Australians are now discovering her remarkable legacy. With a little investigative work and the help of social media and online ancestry resources, Snowy Hydro has tracked down relatives of Florence McKenzie (nee Wallace).

Scott Wallace first learned of the extraordinary life of his great grand-aunt five years ago from his uncle, who handed him a bulging envelope stuffed with news clippings, documents and photographs. Florence's story had been passed down through the Wallace family, but as she had no children of her own, the generational connection faded over time.

In recent years, fascinating detail of Florence McKenzie's contribution to communications, wartime efforts and the advancement of women has come to light. ABC Radio dedicated a Hindsight program to her life's work and author David Dufty wrote Radio Girl, after hearing Florence's story from a retired spy he was interviewing for a different book.

Mrs Mac, as she was fondly known to her students, founded and funded the Women's Emergency Signalling Corps in Sydney in 1939, training more than 3,000 women and 12,000 servicemen in Morse code before and during WWII. She convinced a 'half-circle of Admirals' to allow a group of 14 women she'd trained join the Australian Navy, and shortly afterwards, the Women's Royal Australian Navy Service (WRANS) was established.

Prior to setting up the signalling school, Florence had opened The Wireless Shop, Sydney's first all-radio retail store, and was co-founder of Wireless Weekly, a trade magazine that went on to become Electronics Australia. After the war, Florence continued voluntary communications training for the commercial aviation sector, and even wrote a cookbook promoting recipes using electric appliances.

Scott says he and his family are in awe of their Aunty Florence and her groundbreaking contribution, describing her as a woman truly ahead of her time. As for her connection to modern engineering through Snowy 2.0's TBM Florence, Scott is convinced she would be both surprised and amused that such a significant piece of equipment has been named in her honour.

Lake Jindabyne and dam wall: photo taken by Snowy Hydro

Water release at Jindabyne Dam

WATER CYCLE

Rain check

In a typical year, the majority of the Snowy Scheme's annual inflow of water is captured during the winter and spring months - but the last 12 months are a reminder that weather patterns are not always true to season. With significant rainfall events in November 2021 persisting through December and January, Snowy's catchments continue to collect an abundance of 'fuel' to generate clean hydro power.

December 2021 was officially the wettest December since inflow data was first recorded for the Lake Jindabyne catchment, following several significant downpours. Over a single weekend, 140mm of rain fell in the Snowy catchments.

Such high levels of rainfall may be unseasonal, but are not unexpected. Snowy Hydro has a team of scientists with expertise in atmospheric and climate science, who monitor weather and climate patterns year-round. The water and weather teams analyse data from near-, mid- and long-term forecasts to ensure appropriate management of water storage and flow throughout the Scheme.

In late December, Jindabyne Dam reached full supply level and began spilling into the Snowy River. The spillway gates automatically release water when the storage reaches or exceeds capacity to return the level to 100%.

In early January, daily releases increased to 3,000 megalitres per day as the wet weather persisted, before returning to advised environmental levels in mid-January. The increased releases reduce the risk of flooding and minimise pressure on communities around and downstream of Lake Jindabyne.

Snowy's operational teams are prioritising pumping of water from Jindabyne to supply energy demands for the Murray 1 and 2 power stations to drop Jindabyne lake levels and keep more water in Eucumbene for the upcoming 2022 spring runoff.

Snowy Hydro works closely with the NSW Department of Planning, Industry and Environment (DPIE Water) when controlled releases are necessary to manage spill risks during sustained periods of wet weather.

Key information related to Snowy Hydro's management of water in Lake Jindabyne is published on the company's website and social media channels. For the community and recreational users of local waterways, it's essential to stay safe and be well-informed. The NSW and Victoria State Emergency Service organisations, along with the Bureau of Meteorology, provide up-to-date advice on extreme weather events.

Interior of Tumut 1 Power Station

Original light switches

Impression of new tunnel lighting

REGIONAL WORKS

Lights on at Tumut 1

Snowy Hydro is proud of its legacy of keeping the lights on across Australia for generations - and a significant part of ensuring continued service is maintaining the assets that power the mighty Snowy Scheme.

Completed in 1959, Tumut 1 Power Station (T1) was one of the first Snowy power stations constructed and is currently undergoing a series of upgrades. As part of a company-wide electrical safety program, T1 will soon have its original lights, switches, distribution boards and power points replaced with the latest in illumination technology.

Fluorescent lighting installed more than 60 years ago in the power station and tunnels will be replaced by LED lighting controlled by a Digital Addressable Lighting Interface (DALI). DALI is a smart system that manages and communicates with the various lighting components.

Illumination levels can be customised depending on the time of day, how often the room is used and the activities underway, making it a more energy efficient system. Further improving energy efficiency is the use of LED lights, which have a minimum 10-year life span. New lighting and power points will be residual current device (RCD)-protected for improved safety, and Emergency and Exit lighting throughout the station and tunnels will also be upgraded.

A team of 10 electricians from local contractors PHE Tumut will conduct the detailed design and installation phases of the project over the coming months. The PHE team is currently working on Snowy 2.0 and has provided electrical services to Snowy Hydro for 17 years.

Other than brief outages for switchboard installation, minimal disruption to operations at the power station is anticipated. Once complete, T1 will have a safe and compliant light and small power installation with RCD testing capability, plus the added benefit of minimal maintenance in the future. The upgrade of lighting, wiring and distribution boards will roll out across the full suite of Snowy assets over the next 10 years.

Tony Green onsite (right)

Conducting a safety presentation

Inspecting Ravine Road North

LESSONS IN SAFETY

Construction safety expert Tony Green's five-decade career has a nice symmetry to it. After starting his first job on the Snowy Scheme's Talbingo Dam in 1970, Green is geographically back where it all began. Returning to Tumut and now working on the Snowy 2.0 project, the former crane operator has chalked up dozens of major infrastructure projects, and learned a thing or two about safety along the way.

These days, as a safety advisor for Leed Engineering, Green's activities are centred around Lobs Hole, where excavation of two major tunnels for Snowy 2.0 is well underway. Each day begins with a pre-start meeting with site crews and supervisors discussing the day's work. Green will provide an overview of any incidents and encourage open discussion about possible safety concerns.

"We need to take personal responsibility for our actions, from the CEO of the project down," says Green. "We need to speak up in the event we see something which is obviously not right."

Part of the role of safety advisor involves travelling to the various sites to check construction crews are wearing appropriate protective gear, including hard hats, gloves, safety glasses and hearing protection, in line with industry standards. Enforcing safety protocols on construction sites over the past 50 years has significantly reduced serious injuries and saved lives.

"We are going from projects estimated to have a certain number of fatalities during the project build to today, where any fatality is totally unacceptable," Green said.

Establishing exclusion zones during overhead lifting has been another important improvement for onsite safety. Historically, the crane's dogman was charged with keeping workers out of areas where falling objects could cause injury or death. Green says it's now a conscious part of any lifting set-up to install flagging, bollards and signage to keep people out.

Another standard Green witnessed was the introduction of mandatory long pants and long-sleeved shirts, ending an era where crews worked in shorts and singlets, or no shirt at all.

Green's first safety role came early in his career. As a general hand and junior crane operator at the Talbingo Dam workshop, he was charged with a daily check that all fire extinguishers were in working order. Over time, he joined safety advisory committees and moved into project safety management. Along with dams, power stations and many major roads and bridges in the eastern states, he also worked on the construction of the new Parliament House in Canberra.

In recent years Green has attempted to wind up his career, but each time retirement looks tantalisingly close, another role comes his way. But, he says if all goes to plan, his work with Leed on Snowy 2.0 will probably be his final project.

SAFE ON SITE

Tony Green's responsibility for onsite safety also led to innovation. During the construction of the Nambucca River Bridge in northern NSW, workers installing long bars of reo between the steel beams of the bridge were struggling.

"They had to drive the reo in with a sledgehammer and when they were hitting the bars they quivered erratically," says Green. "The end they were trying to hit was moving and they were breaking handles and hurting their shoulders.

"I looked at it and said 'we need to make up a dolly' - a piece of heavy tube with a bar welded to it with a bit of flexible steel cable to take the shock out of the bar."

The new 'tool' they created had a large solid head and a steel plate that slipped over the end of the reo. One worker held the dolly while another used the sledgehammer.

"The target was 10 times bigger than the end of the reo and stabilised the bar which made it safer for everyone. The steel workers said it made their life so much easier."

Safety solutions to a manual handling issue at Nambucca River Bridge

BANISHING MOBILE BLACK SPOTS

Reliable mobile connectivity extends beyond the convenience factor for tourists and locals travelling between regional towns. Drivers need to know that in the event of an emergency they will be able to connect quickly to help.

Snowy Hydro recently partnered with the NSW Government to boost mobile coverage at a series of black spots along the Snowy Mountains Highway. The $1.3 million joint funding has delivered new small cell antennas at three priority sites between Talbingo and Adaminaby, with installations at two more sites soon to go live.

The 2019-20 bushfires highlighted the importance of quality phone coverage for emergency services and the local community to access the latest information related to bushfire locations and evacuations. Better mobile coverage also means improved safety for road users during the construction of Snowy 2.0.

Snowy Hydro is proud to be contributing to this important local initiative. CEO Paul Broad said the partnership with the NSW Government to improve mobile coverage for the region was a great outcome for community safety. "As a company, our number one priority is safety, so we are extremely pleased to see this initiative provide a real benefit to road users while we build Snowy 2.0."

Mobile coverage improved on Snowy Mountains Highway

CAREERS

On the road to success

"I am keen to learn great organisational and workplace skills that are beneficial to all aspects of life,"

- Aliyah Bartlett
(Cooma)

"I am looking forward to being able to work in a team and learn a range of skills used across all the different business functions,"

- Tanika Coles
(Talbingo)

Every year, Snowy Hydro welcomes a fresh cohort of trainees to the business, an opportunity which provides valuable insights and practical experience for young people in the local community. In 2022, 11 trainees will learn alongside Snowy employees while they complete a Business Administration Certificate III and IV at TAFE.

A trainee's year typically begins with several weeks of settling in and getting to know their new colleagues. This year the recruits have been placed with teams at Cooma, Talbingo, Khancoban and Valley Power (Victoria), where they'll gain a range of skills to help them on their professional journey.

All are excited to learn about the operations of Snowy Hydro as they work out the path to their dream job. For this group, interests range from human resources, finance and business, to electrical engineering, psychology and design.

The one common theme across the group is wanting to learn as much as they possibly can during their time at Snowy.

At the end of the 12-month program, some trainees will have the opportunity to take up employment at Snowy Hydro, while others will commence university studies or join our study scholarship program, returning to work at Snowy between semesters.

SURVEYING THEIR JOB PROSPECTS

Snowy 2.0 construction contractor Future Generation Joint Venture has launched a new program offering the opportunity of lifetime for young people in the Snowy Mountains community. Six trainee surveyors are part of the nation-building Snowy 2.0 project to learn practical on-the-job surveying skills while they study.

A surveyor's tasks are a mix of technology and fieldwork, so those considering surveying as a career need to have a mathematical mind, an interest in analysing data and enjoy spending time outdoors.

The program is designed to offer upskilling opportunities for trainees, who study Surveying and Spatial Sciences at TAFE NSW while they work at various Snowy 2.0 sites.

Snowy Hydro's $5.1 billion Snowy 2.0 project has already generated around 1,700 jobs, with thousands more opening up during construction and operations.

RED ENERGY

Courage in the face of adversity

Matt Graham at the Winter Olympics

As a Winter Olympics lead-up year, 2021 was always going to be action-packed for Australian mogul ski champion and Red Energy ambassador Matt Graham - and it started off brilliantly. He won the moguls 2020-21 World Cup Crystal Globe title as the number one-ranked skier in March, before turning his focus towards training for Beijing in a world disrupted by COVID-19 restrictions.

Returning home for the Australian winter, Matt's plans for a season of home training and competing were impacted when ski resorts abruptly closed during strict lockdown laws. However, Perisher was able to lend support by offering training facilities for the team.

Matt flew to Europe in late November for World Cup competitions. While in an event in Sweden, Matt suffered - in training for the finals - what he described as a 'little bingle' and broke his collarbone in two places. After surgery (a plate and seven screws were inserted), Matt travelled back to Australia for several weeks' of rehabilitation in the hope of realising his Olympic dreams. Sadly, another setback presented itself, with an enormous post-surgery haematoma sidelining him for another week.

Miraculously, by the end of January, Matt headed to Beijing with the Australian team. But elite sport can be a fickle beast and his qualifying runs at the Olympic Games did not go to plan. When he missed out on a spot in the finals of the men's moguls, Matt was devastated.

His disappointment was heartbreakingly evident as he struggled through a tough post-event interview. Matt was all class; he didn't blame his results on his injury, but what he did show the world was his amazing courage and humility.

Like the true champion he has shown himself to be through the ups and downs of his Olympic preparation, Matt was back with a positive message the next morning. Posting on his personal social media account, Matt described the result as "extremely tough to swallow."

"I wish I could have shown the world what I am capable of right now. I know I had it in me, but it was not to be. Representing the green and gold feels amazing as always, and I wish I could take back those 25 seconds and restart, but I can't and that's all part of it. That is what makes the triumphs feel so good."

Matt Graham skiing

Matt Graham at moguls training

red energy

Grants for great ideas

Do you have an idea for a great way to boost the Snowy Mountains region? You could be eligible for a grant to help get your project off the ground.

Grants of up to $10,000 are on offer through the Snowy Hydro Community Grants Program, with the first round of 2022 applications now open.

Each year Snowy Hydro awards grants to support events and activities aligned to four main areas: education and development, health and wellbeing, regional capacity building and environment. Initiatives must be located within the Snowy Monaro Regional and Snowy Valleys council areas, or Corryong, Victoria.

The first round of applications closes on 15 March 2022. Applicants will be advised of the outcome in the first week of April. A second round of applications will open on 1 September 2022.

Head to our website **snowyhydro.com.au/communitygrantsprogram** for more information on grant eligibility, assessment criteria and to access the online application form.

H20 Kids

Snowy Hydro's popular H20 Kids school holiday program is back for another year, offering just the right mix of learning and fun. The STEM-focused program is designed to introduce real-life engineering experiences to kids by exploring different roles at Snowy Hydro. The sessions are team-based and full of fun, with the added benefit of learning something new.

The summer H20 Kids cohort from Cooma were charged with designing and building structures using only paddle pop sticks, wooden pegs and bulldogv clips. The experiment called for creativity and practical thinking to solve a range of challenges using the sorts of skills a real engineer might use.

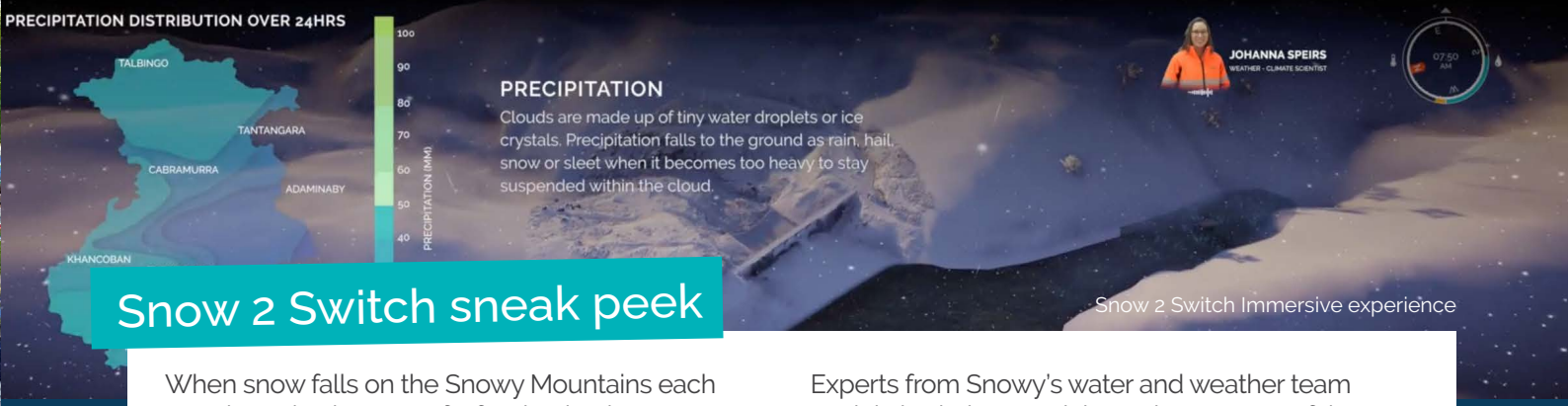
H20 for Kids is run exclusively through out-of-school-hours care across the Snowy Mountains region and will be offered again during the Easter holiday break.

Tumbafest in Tumbarumba

FAMILY FUN

Being part of a thriving community is all about getting involved. Snowy Hydro is proud to sponsor a range of local events year-round, supporting the community that has supported the Snowy Scheme for generations. Mark your calendars, there's plenty on offer across the region.

12 MARCH	Adelong Show
12 MARCH	Cooma Show
7-10 APRIL	Man from Snowy River Festival
30 APRIL	Festival of the Falling Leaf
21 MAY	Batlow Ciderfest



Snow 2 Switch sneak peek

Snow 2 Switch Immersive experience

When snow falls on the Snowy Mountains each year, it marks the start of a fascinating journey to become the electricity that powers our homes, keeps us cool in summer and warm in winter.

So where does the snow go after it falls? Snow 2 Switch is an all-new immersive experience produced to explain the process of generating hydro-electricity. The program uses wide-screen visuals that surround the viewer, creating an entertaining sense of audience involvement.

Experts from Snowy's water and weather team explain hydrology and the various stages of the water cycle, including how melted snow is collected before being diverted through Snowy's network of aqueducts and tunnels. High quality graphics, audio and video are used to show the flow of water into the reservoirs and dams, where it's stored as energy-in-waiting.

Snow 2 Switch is coming soon to the state-of-the-art immersive theatre at the Discovery Centre in Cooma, and is suitable for all ages.

Snowy 2.0

Snowy 2.0 word search

Engineering Activity 1

Circle or highlight the words listed below

Words can go in any direction, across, down, up and horizontally

CONCRETE SEGMENTS	JOBS	RELIABILITY	TALBINGO
DEMAND	LINKED	RENEWABLE	TANTANGARA
DYNAMIC	LOBS HOLE	RESERVOIRS	TBM
ELECTRICITY	MEGAWATTS	SECURITY	TECHNOLOGY
ENERGY	PEAK	SNOWY 2.0	THE FUTURE
EXPAND	POWER	SOLAR	TUNNELS
GENERATION	PUMPED-HYDRO	STABILITY	UNDERGROUND
GROWTH	QUICK START	STATION	VISION
HOUSEHOLD	RECYCLED	STORAGE	WATER
INNOVATION	RELEASED	SUPPLY	WIND

A	R	A	G	N	A	T	N	A	T	S	T	A	B	I	L	I	T	Y
S	P	T	Q	W	P	U	N	D	E	R	G	R	O	U	N	D	A	N
P	E	A	K	Q	D	N	A	M	E	D	E	X	P	A	N	D	L	O
S	O	Z	Q	G	E	N	E	R	A	T	I	O	N	L	H	X	B	I
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T	Q	C	O	N	C	R	E	T	E	S	E	G	M	E	N	T	S	Y
H	Z	H	T	E	C	H	N	O	L	O	G	Y	A	T	V	C	Z	Q

Word search is popular across generations, making it the perfect way to pass the time with family, friends or on your own. Searching for words helps boost spelling and improve vocabulary and language learning - for added benefit, play against the clock.

Snowy Hydro's **Next Generation Education Hub** has plenty of activity sheets to explore and download at snowyhydro.com.au/education/nextgen.

Matt Graham, Winter Olympic Silver Medallist
and Red Ambassador

Switch to a Qantas Red Saver plan
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