



ENERGY CLUB WA
NEXT GENERATION
SCHOOLS PROGRAM

Connecting the Next Generation to
careers in the energy industry.

Quarterly Report
July - September 2023

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NEXT GENERATION SCHOOLS PROGRAM REPORT

The Next Generation Schools Program 2023 is about to enter term four, with most schools having completed the first three presentations; offering students a sound introduction to the industry and providing insights into the project lifecycle and the future of energy.

Mentors are now coordinating with schools for the panel sessions (visit four). Often a highlight for the students, were they get to speak with an array of industry experts in their fields, from a variety of careers and educational backgrounds and ask the mentors about their career journeys and pathways.

The Woodside Energy Transition Game will commence throughout terms three and four, for the schools who are able to participate in the extra session.

2023 PARTICIPANTS

We are pleased to have over 1,600 students from twenty-eight schools taking part in this years program. Our aim is to expand regionally, increasing participation of one school per year. We are pleased to once again exceed these goals, with an additional three regional schools getting involved for this year.

Our full list of participating schools are:



SITE VISITS AND EXCURSIONS

CAMPUS TOURS

We held our first excursion in partnership with UWA last month at the Crawley campus and their Shenton Park facility.

The students from Sacred Heart College had a fantastic time taking part in a game of 'Ocean Feud', toured the National Geotechnical Centrifuge Facility, a Future Energy Transition Game, Swan River Lab Demonstration, and a visit to the Coastal and Offshore Engineering Lab in Shenton Park. All the students involved seemed to have an excellent time and the feedback from both students and teachers has been fantastic.

FACILITY TOURS

Our program partners ERGT, are set to provide another guided tour of their facilities for the Lakelands Senior High School students in October. They have also organised activities for the students to try out firsthand; Confined Space Escape, Observing Fire Safety Training, as well as operating the fire extinguishers and seeing a flare set off in the fire training area.

On completion of the ERGT tour and activities, students then head over to Baker Hughes for a tour of their Jandakot facility and activities to round out their day.

We are in the process of organising another site visit for some of our participating Perth Basin Schools in November, in partnership with Mineral Resources. The students will get to see a rig site and speak with some of the employees and possibly the landowners.

These visits are invaluable for the students to see what is going on in their backyard as well as become aware of the possible career prospects in the area.



PROGRAM DEVELOPMENTS

Energy Club WA are broadening their schools' initiatives to include more mini careers days, and large panel sessions for this year's participating schools. Rossmoyne Senior High School will be the first school to take part this October, with approximately 150 students participating in the session.

Georgiana Molloy Anglican School will host the second event during November, with an anticipated 90 students in attendance. We are currently looking for volunteer mentors and resource materials to aid these careers sessions. If your company has any content available to supply students about their courses and career pathway possibilities, please reach out to the club.

Planning is underway for the first time in the program's 30-year-long history, to run a Perth Basin Student Expo at the Dongara Community Centre, unfortunately due to scheduling conflicts, this was not possible in 2023. However, we are in discussions with our participating schools to lock in a date for early in 2024. Students that participated in the 2023 program, as well as the 2024 participants from the area will all be invited along to attend. Watch this space for further information and dates.

This event will run in the same fashion as our Perth end of year exhibition. With this, we are seeking industry support in the form of sponsorship, prizes, exhibits, and volunteers. To get involved, please contact Michelle Kearney at: education@energyclubwa.org.au

MENTOR VISITS - SESSIONS FOUR AND FIVE

The final two presentations cover the Career's Panel and the Woodside Energy Transition Game, an optional extra for schools that choose to participate in if they have the time.

In early term three we allocated all the participating panel mentors to a select school, with some mentors opting to attend multiple schools. Many have already completed or are due to have their visit completed in for term four. These visits offer great insight and interactions for mentors and students alike.



The Woodside Energy Transition Game aims to take students on a journey from now until 2050. The intent of the game is to demonstrate the variables of a changing energy mix into the future with increasing demand of power for development but a need for lower emissions.

The game demonstrates the complexities of providing energy to the world and the difficulties in transitioning to a low carbon energy market.



STUDENT TESTIMONIALS

We received some impressive testimonials from a few of the participating students at Ursula Frayne Catholic College on this years program. We like to thank the teachers for capturing their feedback and sharing them with us. Here's what they had to say;

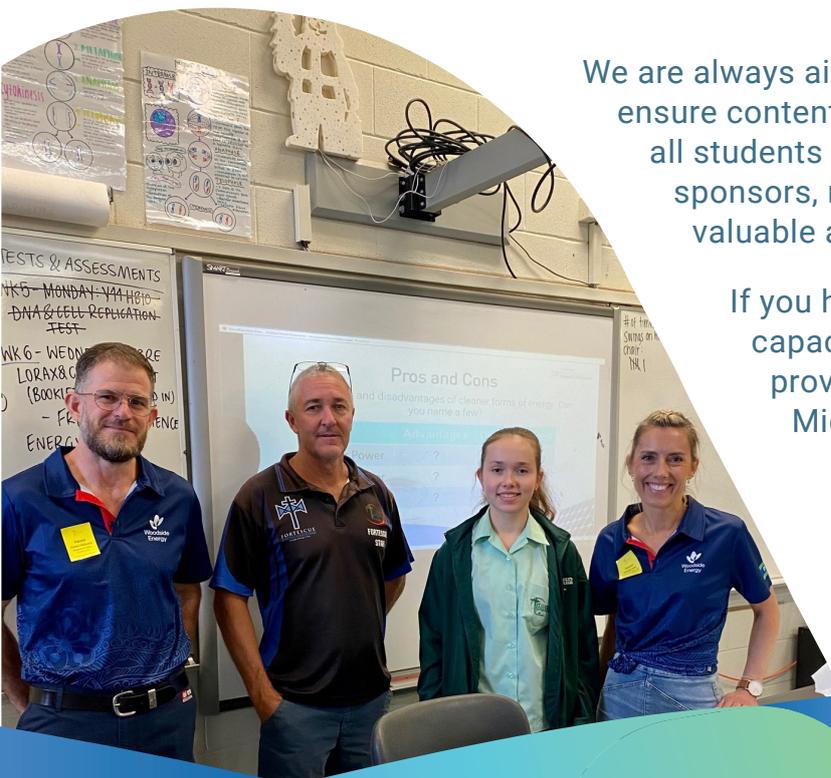
“ The Energy Club has helped me learn lots about how energy travels throughout the world and how it can possibly contribute to our careers in the future. ”

“ This is an inspiring program, that engages students with fun and interactive activities. Bringing alight energy uses and how to effectively manage it in order to achieve a more sustainable future. The speech is about energy and gives us insight into the variety of jobs in this field inspiring many. Most importantly, this program brings students together to not only think about their future, but the future of energy in Australia and the impact that we have on it. ”

“ This program has given me insight into how energy is used across Australia and the jobs that are available in the future. ”

We are always aiming to develop and improve the program to ensure content is up to date, interesting, and interactive for all students taking part. Therefore, any feedback from sponsors, mentors, teachers, and students is highly valuable and encouraged.

If you have participated in the program in some capacity throughout 2023 and would like to provide us with some feedback, please contact Michelle at education@energyclubwa.org.au



OUR CURRENT CHALLENGES

We identified the need for tailored approaches with different schools, who use the program in different ways. Many use the program to build on their STEM and extension programs. While others are trying to stimulate their students who may be struggling – to present them with opportunities that could ignite a passion. Classes need to be tailored accordingly, with some more focused on ‘more technical based’ and some ‘more interactive and entertaining’.

Other difficulties involve finding the correct matches between mentors and class groups, and strengthening mentor to teacher communications is also a huge focus for us into 2024. Mentors are a very precious commodity, especially in this busy, tightly scheduled way-of-working most of us now operate in. Anyone who has a passion for motivating students towards what they do for a living and would like to give back in a fun and well-organised way, please contact the club to find out more.

Sponsorship is a key area where demand is currently greater than supply. While rapid growth is something we are over the moon with, there is a limit to our ability to meet this demand without support through sponsorship. If you feel your business has the capacity to support the program in any way, there are multiple tiers to our sponsorship packages, and we are supportive of any community or event-specific interests prospective sponsors may have.

THANK YOU TO OUR PROGRAM MENTORS

We are delighted to have the support from 130 Mentors (Lead and Panel), who volunteer their time to guide our students. Without their support, we are unable to continue developing and expanding the program throughout Western Australia.

Thank you to our Lead Mentors:

| | | | |
|---------------------------|------------------------------|---------------------------------|-------------------------|
| <i>Aileen Stewart</i> | <i>Emily Puzey</i> | <i>Mark Chong</i> | <i>Richard Stocker</i> |
| <i>Alex Murphy</i> | <i>Emily Taylor</i> | <i>Mark Greene</i> | <i>Rishi Singh</i> |
| <i>Amanda Emery</i> | <i>Faisal Ur Rahman Awan</i> | <i>Martin Soh</i> | <i>Rui Fernandes</i> |
| <i>Amy De Groot</i> | <i>Faraz Shamim</i> | <i>Marzieh Hajiarab Derkani</i> | <i>Shane Kirkbride</i> |
| <i>Arielaine Guilles</i> | <i>Francis Elliott</i> | <i>Matheesha Jayasekara</i> | <i>Shreya Gupta</i> |
| <i>Arun Peter Simon</i> | <i>Freya Contos</i> | <i>Mathew Baskerville</i> | <i>Steve Barker</i> |
| <i>Aseem Maroo</i> | <i>Gareth Brown</i> | <i>Mathieu Higgins</i> | <i>Steve Fogarty</i> |
| <i>Brendan O’Sullivan</i> | <i>Georgina Maslen</i> | <i>Matthew Wright</i> | <i>Suzanne Borrett</i> |
| <i>Brendan Reid</i> | <i>Hamish Smith</i> | <i>Michael Adam</i> | <i>Tayah Nguyen</i> |
| <i>Britt Simmonds</i> | <i>Jemma Martin</i> | <i>Michael Meehan</i> | <i>Usha Patel</i> |
| <i>Bukkie Orugun</i> | <i>Keith Boyer</i> | <i>Mohsen Farrokhrouz</i> | <i>Victor Gomes</i> |
| <i>Chris Trowbridge</i> | <i>Kelvin Andrijich</i> | <i>Narelle Dale</i> | <i>Yael Bernasconi</i> |
| <i>Dann Marian</i> | <i>Kirsten Smith</i> | <i>Nik Kearney</i> | <i>Yan Mei Ng</i> |
| <i>Dawn Banner</i> | <i>Laura Pecorari</i> | <i>Pawan Gupta</i> | <i>Richard Buchanan</i> |
| <i>Dave Noblett</i> | <i>Lawrence Ryper</i> | <i>Rachel McIntyre</i> | <i>Lisa Hercock</i> |

STUDENT EXPO DAY

The competitive component of our program and overall highlight, is the Student Expo Day. Held at Edith Cowan University, Joondalup Campus on Friday 1st December 2023.

The expo is open to all students who have shown a keen interest in the Energy Industry throughout their participation during the school visits. We had over 350 students attend in 2022, which goes to show the impact the program is having on our next generation. The Expo Day gives students an insight into campus life and displays the amazing facilities ECU has to offer.

The Student Expo Day showcase's the interactive displays and simulations, relating to industry, for the students to participate in a fun and co-operative environment. This helps to generate interest and facilitates the question-and-answer process between students and the industry representatives.

EXHIBITS OVER THE YEARS

VR Experiences, Coding an Ozobot, PPE, Magnetics Game, NDT Plates, Cuttlefish Analysis, Quizzes, 3D Models with a Carbon Footprint talk, Safety Shower Assembly, Lego Build, Permeability through different media, Density Measurement, Small ROV's on the ground, Exploration Game, Kerplunk, Mimic Subsea Development, and Robotic Crawlers.

We are calling for exhibitors for 2023 Expo Day.

If you have an interactive activity or new technology to showcase to the students, please register your interest with Michelle: education@energyclubwa.org.au



2023 PROGRAM PRIZES

The top performing students at the student expo day will receive some amazing industry relevant experiences.

We like to thank our sponsors for these fantastic prizes;

AUSTRALIA'S SAFETY
TRAINING SPECIALISTS

ERGT

1ST PRIZE: HELICOPTER UNDERWATER ESCAPE TRAINING PROUDLY SPONSORED BY ERGT

Participants will experience firsthand training in submerged helicopter simulators and learn essential sea survival techniques, including life jacket and life raft training. Intended to heighten safety procedures, danger awareness and operational standards for flights over or near water.

ELECT
TRAINING & CONSULTING

2ND PRIZE: DAY SAIL ON THE LEEUWIN THANKS TO ELECT

Experience the thrill and adrenaline of sailing on Australia's largest ocean-going sail training tall ship, the STS Leeuwin II. Students will help crew haul the lines, take the helm, and even try some climbing aloft.

**VERTECH
GROUP**

3RD PRIZE: ROPES TRAINING PROUDLY SPONSORED BY VERTECH GROUP

Rope access is regarded as the safest and most dynamic method of working at heights. Here you'll learn how to use ropes and associated equipment to gain access to work areas that are hard to reach! Although the prize is physically demanding, it's a fun day out and will give students an idea of the skills required on site.

**iFLY
PERTH**

4TH PRIZE: YES, YOU CAN FLY! THANKS TO OUR SPONSOR iFLY PERTH

Students can enjoy the sensation of floating on a smooth cushion of air. It is truly unforgettable. Although they might leave wishing they had flown more! Includes; Pre-Flight Training and one-on-one flight instruction, plus flight gear rental (all you need is laced up shoes) and two flights equivalent to 3 tandem skydiving freefalls from 12,000 ft.

What an adrenaline pumping addition to the prizes for the 2023 program, it is sure to be an amazing experience for the students who are lucky enough to win this one.



NEW OPPORTUNITIES

The Next Generation Schools Program is continually developing, with more schools and even more opportunities becoming available throughout the year.

We are now working on the following:

MINGENEW MIDWEST EXPO

We attended the Mingenew Careers Expo, co-sharing a booth with Mitsui E&P Australia, held over the two-day event, Wednesday 9th and Thursday 10th August.

It was a fantastic event; with many leading industry experts in attendance celebrating its 40th year as the Midwest's largest agricultural event; showcasing their agricultural and farming knowledge, offering interactions between multiple innovators from a wide range of farm-based industries.

Throughout our two days there we met with and made some great connections with new schools and Tafe contacts. The students participating in the education trail had a great time building structures with Lego and attempting our Energy Quiz, it was overall a wonderful experience and time well spent catching up with our program sponsors. Thank you to the team at Mitsui E&P for the opportunity, we look forward to next years event.

EXMOUTH AND KARRATHA EXCURSIONS

We are currently working with Woodside Energy to secure an excursion for the Exmouth and Karratha students as a wrap-up to their programs. At the conclusion of the excursion, we will announce the recipient for a prize, one student from each class. Teachers will work with their lead mentors to decide who the recipients will be based on their engagement and enthusiasm shown throughout the program.



HOW TO BE INVOLVED...

The Next Generation program is the success it is because of the on-going support from our industry.

We encourage you to contact our office if you have the time and resources available to commit to the development of the program. This can be by way of sponsorship, mentoring, interactive displays, or event volunteering to assist in the coordination of the program itself.

BECOME A SPONSOR

This program relies on the participation from industry mentors and organisation sponsorship to ensure we can continue to inspire the 'next generation'. This is a terrific way to align your organisation with an initiative that engages the wider community and our future workforce, as well as financially supporting the program.

This program provides a rewarding opportunity for your organisation and your staff to give back to the industry you work in. Engage with the 'next generation' of aspiring students and ignite their passion for the energy industry.

Thank you to our Program Sponsors for 2023





BECOME A MENTOR

Volunteer your time and visit with high-school students, sharing your experiences of working in the energy industry. We have two different mentor positions available, Lead and Co-Lead mentors or Panel mentors.

Lead mentors undertake the full program over four school visits. Panel mentors attend on a panel, as a guest speaker at the fourth school visit to discuss their career journeys and show students the various career paths they can take, and roles they can have within the industry.

PROVIDE DISPLAYS AND PRIZES FOR THE STUDENT EXPO DAY

The finale of the program gives students an opportunity to gain further insight by exploring interactive displays and receiving a take home gift pack with corporate goodies. If you'd like to showcase your product or services, then please contact us to find out more.

THANK YOU FOR YOUR SUPPORT

This program would not be possible without the support of our mentors and sponsors. This year, the Next Generation Schools program was fortunate enough to have significant support from a group of excellent industry representatives who provided mentorship and drive for the program.

Our mentors provide their time on a voluntary basis, giving students the opportunity to hear firsthand from industry professionals, who share their skills and experiences with the students - one of the program highlights.

The future is in our hands, and the Next Generation Committee look forward to building and developing the program with your support.

