



# 2018 ANNUAL REPORT



*Zero community carbon emissions by 2026*



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### Front Cover Photographs:

Top right: Minister Mark Bailey at opening of Noosa Electric Vehicle Expo

Centre top right: Anne Kennedy, Gareth Duggan, Steve Speldewinde, Vivien Griffin and Carolyn Bullen from Economic Development, Noosa Council

Centre top left: Tewanin Introduction to E-Bikes group ride

Centre bottom right: Maxine Parry, Thorsten Kels, Michael Davis, Kerri Watson, Darren Walters at Roadmap consultation

Centre bottom left: Warren Smith, Mayor Wellington, Dick Barnes and Vivien Griffin at Roadmap launch

## 1. From the President

2018 has been a very busy and productive year for ZEN and its passionate and energetic team of volunteers. We still have a long way to go to achieve our goal of zero Noosa community emissions by 2026, but the groundwork laid in 2018 has established a sound foundation towards that end. This Annual Report documents the work undertaken by our volunteers over the year, and I want to record my appreciation for the efforts and goodwill of each and every one of them.

I particularly would like to thank the ZEN Inc. Management Committee for their diligent oversight during the year:

Joe Shlegeris (Treasurer)  
Darren Walters (Secretary)  
Carina Anderson  
Geoff Acton

## 2. Our Objects

Our Constitution records the following Objects for the association:

- (1) The protection and enhancement of the natural environment by working towards the achievement of zero net greenhouse gas emissions in the Noosa Shire by 2026 through effective engagement with the community, industry and government including:
  - A. Development of a joint understanding of the current sources and level of emissions in Noosa community and potential responses to reduce them;
  - B. Develop plans, policies and projects to reduce greenhouse gas emissions;
  - C. Engage with all levels of government and other community and industry groups to achieve shared commitment to, and delivery of, the goal of ZEN

## 3. Our Working Groups and Volunteers

From very early in its life, ZEN recognised that the two key areas where we could make a difference were electricity consumption and transport emissions. As a result, we established two working groups: ZENE, concentrating on electricity consumption, and ZENT, focussing on transport emissions.

### a. ZENE

Joe Shlegeris continued his motivating role as convenor of this group, which meets monthly. ZENE instigated both the Roadmap project and the Repower Noosa project, more of which below in Section 6. As a result of the Roadmap project, a number of volunteer teams have been established to tackle specific sectors of electricity consumption. The sectors and team leaders are listed below.

- Major Consumers (Joe Shlegeris)
- Education (Roman Raudonikis)
- Tourism (Michael Davis)
- Business (Anne Kennedy)
- Academic ZEN (Dr. Carina Anderson)
- Renters and Low Income (Vivien Griffin)
- Community Buildings (Anne Nolan)

- Major Solar (Shayan Barmand)
- Repower Noosa (Gareth Duggan)
- Repower Cooran (John Essen)

b) ZEN Transport

The ZEN Transport Working Group has focussed on community engagement and advocacy activities around sustainable transport, including cycle skills workshops, e-bike group rides, the Noosa Electric Vehicle Expo and participation on Council's Transport Steering Group (see further in report for details).

## 4. Our Partners

a. Our Inaugural Memorandum of Understanding

Zen was formally launched on 9 November 2016 with the signing of a Memorandum of Understanding with 15 key community and business organisations. Our MOU partners include:

- Country Noosa Inc.
- CQ University
- Noosa and District Landcare Group
- Noosa Community Biosphere Association
- Noosa Biosphere Reserve Foundation
- Noosa Chamber of Commerce and Industry
- Noosa Integrated Catchment Association
- Noosa Junction Traders' Association
- Noosa Parks Association
- Noosa Shire Council
- Noosa Shire Residents and Ratepayers Association
- Sunshine Coast Environment Council
- Tourism Noosa
- University of the Sunshine Coast
- J2

We want to record the particular support given by the following in 2018:

b. Noosa Council

We are grateful for the continual support given to our initiatives by the Noosa Council. Mayor Tony Wellington has made himself available at our community consultations and for the opening of the Electric Vehicle Expo, we have received welcome grant funding support, Deputy Mayor Frank Wilkie spoke at our welcome to the Solar Tuk team, and Council officers have assisted





with advice and support throughout the year. Thank you one and all.

c. Solar installers

We have established a strong and invaluable link with Sunshine Coast solar installers. Particular thanks to Matt Harold from Enviro Project and Gareth Duggan from Home and Energy who have enhanced our ZENE initiatives with their knowledge and experience. We believe that this collaboration will be invaluable in 2019 as we focus more intensively on the business and tourism sectors.

d. ITP Renewables

Our thanks to Dr. Rob Passey, who authored the key report Achieving 100% Renewable Electricity in Noosa (see more below). His work has delivered a seminal piece of research which has set an invaluable foundation for our work in 2019.

e. Ecotekk

Darren Walters from Ecotekk has been a steadfast supporter of ZEN efforts since inception. We particularly thank him for collaborating with ZEN for our Introduction to E-Bikes group rides.

f. Bike On

Tracey Wyatt from Bike On delivered a series of cycling skills workshops on behalf of ZEN, and has supported our goals throughout the year.

g. CQ University

CQ University has been a ZEN partner since inception, signing our original Memorandum of Understanding. Through Dr. Carina Anderson, we are grateful for the very material support provided to ZEN through provision of high quality meeting and workshop facilities.

h. Noosa Biosphere Reserve Foundation

We are appreciative of the support given to ZEN by NBRF. Again they were a signatory to our original Memorandum of Understanding, and funding support from their “Big Ideas” program led directly to the ITP Renewables report.

i. The Social Deck

The Social Deck team, and especially Steve Speldewinde, have worked with us on the Repower Noosa project, and provided pro bono contribution as part of that project. Stage 1 of the Repower Noosa project has also resulted in the important research report, Repower Noosa Report: Understanding the Barriers and Benefits of Solar for Business.

j. RACV Resort

We express our appreciation to the team at RACV Noosa, for assisting with workshop facilities and accommodation for the Solar Tuk team during their visit ... and for just being an outstanding sustainability role model!

## 5. Community Engagement

A major part of our role is to raise awareness within the community of the need to reduce carbon emissions. Over the year we have fulfilled this role through various engagement activities.

### a. Community Consultation Workshops

As part of the Roadmap project, four community workshops were held during 2018, inviting input for the report. We are very appreciative that Mayor Tony Wellington spoke at each of the workshops. They were:

- Coast Workshop (1 May 2018, CQU)
- Hinterland Workshop (2 May 2018, Cooroy RSL)
- Business Workshop (3 May 2018, RACV Resort)
- Draft Report workshop (11 August 2018, CQU)



### b. Cycle Skills Workshops

As part of our commitment to sustainable transport, ZEN offered 3 cycle skills workshops in 2018 in collaboration with our partners Bike On Australia, and funded by Noosa Council.

The workshops were:

- Basic Cycle Skills for Women (24 March 2018)
- Social Guided Ride (28 April 2018)
- Bike Maintenance Workshop (26 May 2018)

noosanews.com.au Friday, February 23,

# Hop on yer' bike to push our ZEN

■ Peter Gardiner

THEY are going to be part of Noosa's zero heroes - locals who get on their bikes to help cutting down local emissions while building up their fitness.

And some will be increasing their "social capital" as part of Bike On's free cycling workshops funded by the council-backed Zero Emissions Noosa initiative.

The first of the 1.5 hour workshops is on Saturday, March 24 On at Girraween Sports Complex - Basic Cycle Skills for Women (3-4.30pm).

Bike On's Tracey Wyatt is delighted to have ZEN's support as these follow on from similar workshops either privately funded or in conjunction with the Sunshine Coast Council.

Local resident Judy Kitcher is one of the first to book for the first workshop.

tips to improve her riding confidence," Tracey said.

Zero Emissions Noosa is working towards net zero carbon emissions within the Noosa shire by 2026.

"Encouraging more people into cycling and away from vehicles is cornerstone to ZEN meeting these objectives," ZEN coordinator Vivien Griffin said.

The second workshop is a

explore on the network of local cycle paths," Tracey said.

The final session will be Bike Maintenance Workshop on May 26 to give participants the skills and confidence to undertake basic bike maintenance required to be a regular rider.

Tracey said ZEN has been supported by Noosa Council

**ZERO HEROES: Bike On is helping push the Zero Emissions Noosa message.** PHOTO: CONTRIBUTOR



### c. Noosa Electric Vehicle Expo

With funding from Noosa Council, ZEN delivered the inaugural Noosa Electric Vehicle Expo. We were delighted to have Mark Bailey, Minister for Transport and Main Roads, open the event. Our goal was to promote more sustainable transport modes, and we attracted over 60 exhibitors and more than 2000 event visitors. Our thanks to all the behind the scenes ZEN heroes who helped to make the event a terrific success! Planning is already well under way for the 2019 event.



### d. Introduction to E-Bike Group Rides



ZEN has consistently advocated for the role of electric bikes in reducing congestion and emissions. We received funding support from Council to offer 8 Introduction to Electric Bikes group rides throughout the shire, and have received great interest and support from the community. Most rides have been booked out very early, and several riders have now purchased their own electric bikes.

### e. Solar Tuk Visit (10 December 2018)

We were delighted to welcome the Solar Tuk Tuk team to Noosa, as part of their inspiring journey up the east coast of Australia. They were very grateful for the accommodation sponsored by the wonderful RACV Noosa.

Noosa MP Sandy Bolton, and Deputy Mayor Frank Wilkie were on hand to welcome them, and to participate in our



green cavalcade down Hastings Street and out to Noosa National Park.

Sunshine Beach High School students also had the chance to meet with the team and find out more about the future of sustainable transport.



## 6. Grants

ZEN wishes to acknowledge and thank the following funding sources during 2018:

- Noosa Council Community Grant. A grant of \$3835 was received to deliver 3 cycling skills workshops and the 2018 Electric Vehicle Expo
- Noosa Biosphere Reserve Foundation. A grant of \$19800 was received to fund the preparation of the Roadmap report by Dr. Rob Passey from ITP Renewables. This report, *Achieving 100% Renewable Electricity in Noosa*, now provides invaluable analysis of Noosa's current electricity patterns and sources, and various initiatives for reducing consumption.
- Noosa Council Economic Development Grant. A grant of \$14500 was received to undertake the Repower Noosa project, focussing on developing uptake of rooftop solar by business.
- Noosa Council Community Grant. A grant of \$3875 was received to deliver 8 Introduction to E-bikes group rides throughout the shire. Six rides have been delivered, with two remaining for 2019.

## 7. Research

ZEN commissioned two seminal pieces of research in 2018.

The first was authored by Dr. Rob Passey, from ITP Renewables, with funding from Noosa Biosphere Reserve Foundation. It was entitled, "Achieving 100% Renewable Electricity in Noosa", and provided invaluable analysis of our current electricity consumption patterns, and options for achieving our goal of zero emissions by 2026. This study has laid the groundwork for identifying priority actions in the coming years.

The second report was authored by Steve Speldewinde, from The Social Deck, with funding from Noosa Council. It was entitled, "Repower Noosa Report: Barriers and Benefits of Solar to Business". The report has already enabled initiatives to promoting the uptake of solar by business.

## 8. Advocacy

ZEN provides policy input on three major Council consultative committees, as well as to Energex. They are:

- Noosa Council Sustainable Tourism Reference Group
- Noosa Council Transport Steering Group
- Noosa Council Environment Strategy Forum
- Energex Community Leader Forum



## **9. Social Media**

We currently have three websites: [www.zeroemissionsnoosa.com](http://www.zeroemissionsnoosa.com), [www.repowernoosa.com](http://www.repowernoosa.com), [www.noosaevexpo.com](http://www.noosaevexpo.com). We also have the Zero Emissions Noosa (433 likes) and NoosaEVexpo (400 likes) Facebook pages. Our thanks to Geoff Acton and Malcolm Scott who have diligently ensured frequent additions to our Facebook pages and a growing number of likes. Our plan is to consolidate the Zeroemissionsnoosa and repowernoosa websites early in 2019. We also have over 400 subscribers to our newsletters.

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## **10. Financial Statements (see Appendix 2)**

## Appendix 1: Media Articles

noosanews.com.au Friday, February 23, 2018

# Hop on yer' bike to push our ZEN

■ Peter Gardiner

THEY are going to be part of Noosa's zero heroes – locals who get on their bikes to help cutting down local emissions while building up their fitness.

And some will be increasing their “social capital” as part of Bike On's free cycling workshops funded by the council-backed Zero Emissions Noosa initiative.

The first of the 1.5 hour workshops is on Saturday, March 24 On at Girraween Sports Complex – Basic Cycle Skills for Women (3-4.30pm).

Bike On's Tracey Wyatt is delighted to have ZEN's support as these follow on from similar workshops either privately funded or in conjunction with the Sunshine Coast Council.

Local resident Judy Kitcher is one of the first to book for the first workshop.

Tracey said the aim is to build confidence and improve cycling safety for females aged 18 plus years who haven't ridden in a while and need a refresher.

“She has a bike and would like to ride more but is looking for a few coaching



**ZERO HEROES: Bike On is helping push the Zero Emissions Noosa message.** PHOTO: CONTRIBUTED

tips to improve her riding confidence,” Tracey said.

Zero Emissions Noosa is working towards net zero carbon emissions within the Noosa shire by 2026.

“Encouraging more people into cycling and away from vehicles is cornerstone to ZEN meeting these objectives,” ZEN co-ordinator Vivien Griffin said.

The second workshop is a Social Guided Ride on Saturday, April 28 (3-4.30pm) coinciding with the start of National Bike Week (April 28-May 7).

“The aim of the ride will be to encourage friends and families to ride together and for the community to

explore on the network of local cycle paths,” Tracey said.

The final session will be a Bike Maintenance Workshop on May 26 to give participants the skills and confidence to undertake the basic bike maintenance required to be a regular rider.

Tracey said ZEN has been supported by Noosa council in staging these cycling introductions and bikes are also available to hire on request for anyone unable to transport their own.

Phone Bike On at 5474 3322 or email [info@bikeon.com.au](mailto:info@bikeon.com.au) for more information.



noosanews.com.au Friday, February 16, 2018

# Electric hum to transport expo

■ Peter Gardiner

NOOSA will showcase its future sustainable transport options when the Zero Emissions Noosa hosts the first local Electric Vehicle Expo.

Among the cars on display will be a Tesla Model X, a Nissan Leaf, a Holden Volt and the Mitsubishi PHEV Outlander.

Electric bikes will also feature prominently at the expo to be held at Noosa Australian Rules ground on Weyba Road, Noosaville on May 12, according to ZEN co-ordinator Vivien Griffin.

“Already we have some terrific exhibitors lined up,” Ms Griffin said.

“Electric vehicles are not something in the future, they are definitely part of the contemporary transport picture.

“We will be showcasing electric cars, buses, e-bikes, electric outboard motors and charging infrastructure.”

Ms Griffin said the site had been to allow for safe off-road trial rides in some of the vehicles.

“There is a great cycle path which can be accessed



**ELECTRIC EXPO: Going green is Noosa is really taking off.**  
PHOTO: CONTRIBUTED

from inside the site, and we will definitely be scheduling trial e-bike rides.”

“Electric vehicle owners will also be on site to answer the hard questions and show off their pride and joy.”

Ms Griffin said six proud electric vehicle owners came along to the launch of the expo at the Noosaville Aussie Rules grounds.

“The Queensland Government’s Electric Superhighway is now live from Cairns to Coolangatta, so the old concerns about charging infrastructure are being eliminated.”

This has been highlighted in the *Noosa News* via the battery charging station at Cooroy.

“It’s council’s ambitious goal to become carbon neutral by 2026,” councillor Brian Stockwell said.

“Our community too has seized the emissions-reduction message and this charger is a great way, that we, with the state’s help, can support the uptake of electric vehicles in the shire.”

He said Noosa welcomed the chance to join the first phase of the program.

“We’ve also been able to make use of charging infrastructure we already had in-house to provide this public service, which is good news for ratepayers,” councillor Joe Jurisevic said.

Friday, March 9, 2018 [noosanews.com.au](http://noosanews.com.au)

# Plugged in to a new travel way

FOR Transport Minister Mark Bailey it will be a case of on your electric bike as he heads to Noosa to officially opening the Noosa Electric Vehicle Expo on May 12 at the Noosa Tigers AFL ground in Noosaville.

According to Zero Emissions Noosa co-ordinator Vivien Griffin, Mr Bailey and a team of Transport and Main Road Department officers will be here promoting the electric vehicle strategy during the 10am-2pm sustainability showcase.

Ms Griffin said the inaugural May expo was “off to a great start” with “some terrific exhibitors and vehicle owners already keen to participate”.

She said Mr Bailey was a keen electric vehicle supporter and cyclist, whose government was constructing the Electric Vehicle Super Highway in the shape of recharging stations as part of strategy.

“Proud owners of Teslas, BMW I-e, Nissan Leaf, Holden Volt and Mitsubishi Outlanders will be on hand to give you first hand owner experience and information,” Ms Griffin said.



**The Valkree electric bikes offer some Byron bay cool in Noosa.**  
PHOTO: CONTRIBUTED

“In addition, we have some very exciting exhibitors to showcase. The amazing Clenergy Team Arrow are bringing their solar car to the Expo.

“The gorgeous Valkree vintage electric bikes which are handmade in Byron Bay are coming, with opportunities for trial rides.”

Ms Griffin said the “very sustainable” Noosa RACV Resort was supporting the expo by bringing their two electric Nissan Leafs, which

they provide for members and guests to rent.

“Cycle Power are supporting the expo and you will be able to try their terrific leaning trike electric bike ... great for the shopping.

“Our expo will be fun, but also a chance for you to try out, find out about, those emission free alternatives to the fossil fuel car.

“It all helps to take us to our Noosa zero emissions target by 2026,” she said.



noosanews.com.au Thursday, March 29, 2018

# Start of a new life cycle

Women are so keen to get on bikes

FOR 14 intrepid women life around Noosa is now about to be more free-wheeling after attending Bike On's basic cycle skills for women workshop.

The Saturday gathering at Girraween Sports Complex with its criterium cycle track was the first of three free workshops backed by Noosa Council and the Zero Emissions Noosa initiative.

Tracy Wyatt from Bike On said the confidence of budding cyclists to ride more frequently was boosted.

"They showed great camaraderie and loved the inclusive feel of the workshop with many making plans to meet again to ride together over the coming weeks," Tracy said. For many it was the first time they had been to the bike track and "they were extremely happy" with the safe riding area on which to practice.

"The Noosa Council has already received some terrific feedback following



RIDE ON: The Bike On workshop for women encourages them to cycle.

PHOTO: CONTRIBUTED

workshop," Tracy said.

Participant Maureen Milne said: "It was such a huge confidence builder that we can't wait to attend the next session and become more confident on Noosa's great bicycle pathways."

Saturday's workshop is being followed by a free Social Guided Ride on Saturday, April 28, (3-4.30pm)

April 28 to May 7.

Tracy said the aim of the ride was to encourage friends and families to ride together and for the community to explore the area on the network of local cycle paths.

The final session will be a bike maintenance workshop on May 26 from 3-4.30pm to help keep people in the

**It was such a huge confidence builder**

The workshops are structured sessions run by accredited cycle skills instructors from Bike On.

carbon emissions within the Noosa shire by 2026.

Encouraging more people into cycling and away from vehicles is a cornerstone to ZEN meeting these objectives according to ZEN president Vivien Griffin.

Places are limited and bookings are essential. Contact Bike On: 5474 3322

## 12 NEWS



ALL ABOARD: The European cargo style electric bike has finally made it to Noosa's pathways

PHOTO: MALCOLM SCOTT

## European electric bike on show at expo

THE much-loved European cargo style electric bike has finally made it to Noosa's pathways and is garnering much interest.

Parents Gerry and Gillian loved the bike they had in the Netherlands so much, they shipped it back to Australia.

"This is a great way to get around Noosa," Gerry said.

"We can take three

children in the front, and another strapped in the rear seat.

"That makes this a five-seater vehicle.

"The children just love it, and sing along as we go.

"The bike is very stable, and the electric motor makes it all very easy to get around Noosa's great pathway network.

"We would love to see more of these cargo bikes

in Noosa, and are happy to show the bike and its capabilities to interested people."

Gerry said he could be contacted through Zero Emissions Noosa at 0407 116 105 or zeroemissionsnoosa@gmail.com "and they will pass on your contact details to us".

The cargo bike will also be on display at the Noosa

Electric Vehicle Expo to be held on May 12 at the AFL ground at Weyba Road, Noosaville.

"This style of bike is popular across Europe, with countries such as Norway and France providing subsidies to encourage their uptake and cut down on vehicle pollution," expo co-ordinator Vivien Griffin said.



Friday, April 13, 2018 noosanews.com.au

# Three-wheel green

## Powering on electric goer called ZBee

■ Peter Gardiner

NOOSA'S zero emissions future could arrive in part on three wheels.

A Swedish-designed three-wheel ZBee brings a whole new approach to transport, and locals will be able to see it and possibly take a ride at the Noosa Electric Vehicle Expo at the Aussie Rules Grounds on Weyba Rd, Noosaville, on Saturday, May 12.

"We are delighted to have this innovative transport option coming to Noosa," expo co-ordinator Vivien Griffin of Zero Emissions Noosa (ZEN) said. "It has been described as the world's most super-efficient clean electric vehicle to meet the transportation needs of the 21<sup>st</sup> century and we need to be exploring these new technological options for our future."

The ZBee has received full road-certification approval, which makes the vehicle available for on-road use throughout Australia.



GREEN POWER: The ZBee electric three-wheeler is used as a taxi in India. PHOTO: CONTRIBUTED

"It's a vehicle that is perfectly suited to small inner city trips or perhaps as a convenient shuttle to Main Beach," Ms Griffin said.

"The Zbee is an energy-efficient vehicle designed to have a low environmental impact and a smaller footprint than traditional petrol vehicles, making transport movement more efficient."

The range for a fully charged battery is 70km and consumes less than 40 cents for 100km of power.

In 2013, the Zbee received the WWF Climate solver award which recognises the

development and widespread use of technologies that can dramatically reduce carbon-dioxide emissions.

For details visit [www.facebook.com/NoosaEVexpo](http://www.facebook.com/NoosaEVexpo).

Meanwhile, Noosa's quest for zero carbon emissions is to be put under the public spotlight early next month in the first of two "road map" project public consultation sessions.

The first ZEN feedback session will be at Noosaville on Tuesday, May 1 and the second will be held in the hinterland on May 2 at a

venue and time to be advised.

"With funding from the Noosa Biosphere Reserve Foundation, ZEN has commissioned a professional plan to achieve net zero emissions," Ms Griffin said.

"The Noosa Council's emissions focus up to now has been inward looking, aimed at getting its own operations right first."

"ZEN's efforts overlap with the council in many areas and the council has the ability to provide funding under existing programs."

Tuesday, May 1, 2018 noosanews.com.au

NEWS 9

# Francis is plugged in to future

## New solar saving transport

■ Peter Gardiner

WHENEVER Valdora cane grower Francis Schmidling wants to do some serious running about, he just nips outside and plugs a special set of wheels into his own solar panels.

Energy conscious Francis drives a Model X Tesla and the duo will be among the star attractions at the inaugural Noosa Electric Vehicle Expo on Saturday, May 12 from 10am-2pm, at the Noosa Tigers Aussie Rules Grounds in Noosaville.

"We think Francis must qualify as the most sustainable car driver in Australia," expo co-ordinator Vivien Griffin said.

"He has a 30kW (solar panel) array at his farm, and is able to adjust the tilt to align the panels for optimum energy production for the time of the year.

"Francis will be at the

expo with his gull-wing Tesla and very happy to speak with visitors."

The expo is promising to showcase a thought-provoking range of accessible electric transport options to demonstrate that an emission free transport world is not that far away.

"We have a fantastic line-up of exhibitors, including private owners of electric vehicles who will be very happy to speak about their electric car owning and driving experience," Ms Griffin said.

"Many more people are now seriously looking at electric car ownership, as new more affordable models are about to hit the Australian market."

"At least 10 brands are about to launch electric cars in Australia by 2020, and several of them will definitely be at the more affordable end of the price



SWITCHED ON: Francis Schmidling and his Model X Tesla recharging from his own solar farm. PHOTO: CONTRIBUTED

spectrum. "At the moment, only BMW and Tesla sell purely battery-powered cars in Australia."

The German company has the i3, an innovative \$68,100 small city car, while the American EV-only brand has the big Model S sedan and futuristic Model X SUV at prices stretching from just over \$100,000 to more than \$200,000.

"Coastline BMW are bringing the i3 to the expo, and we will have several private owners of the Tesla Model S and Model X who are keen to speak with visitors about their experiences as Tesla owners," she said.



"However, the more affordable Hyundai Ioniq Electric five-door fastback hatch, expected to be about \$45,000, will go on sale in about August, at the same time as Hybrid and Plug-in Hybrid versions. "Before the end of the

year these probably will be joined by two hatchbacks, the small Renault Zoe and the larger, second-generation Nissan Leaf." Renault began selling the Zoe to fleet buyers in 2017, for \$44,470 or \$45,870,

depending on equipment grade, and the intention is to be offering the vehicle to private owners in the near future. "Last month Nissan's Japanese HQ announced the new Leaf would go on sale in Australia in the next 12 months," Ms Griffin said.

"The new Leaf is predicted to cost about \$50,000. RACV resort are bringing their two first generation Leafs to the expo, together with a private Leaf owner."

The expo is supported by Noosa council. Go to [facebook.com/noosaEVexpo](http://facebook.com/noosaEVexpo).



Friday, May 11, 2018 [noosanews.com.au](http://noosanews.com.au)

# Electric push for commuter trial

■ Peter Gardiner

TOMORROW'S milestone electric vehicle expo in Noosa could be the catalyst for an electric bike commuter trial that could go a long way to solving local congestion.

Noosa Electric Vehicle Expo co-ordinator Vivien Griffin said Transport Minister Mark Bailey was to officially open the major green transport push at the Tigers Aussie rules ground at Noosaville from 10am-2pm.

"This is really a great opportunity for Noosa to strut its stuff and to say we take sustainability seriously," Ms Griffin said.

"My personal goal with the minister is to interest in him in an electric bike commuter trial here.

"There's been a research project in Perth where commuters were supplied with electric bikes and they replaced over 50 per cent of their vehicle journeys.

"It's not just about carbon emissions, it's about congestion, so if we can get those cars off the road and commuters using the bikes to get to work it's going to also help the council in deferring its capital works programs and spending millions of dollars on new roundabouts."

Ms Griffin said she rode an electric bike and "I get up over Noosa Hill no problems at all".

"We have some interesting options for Noosa to start thinking about how Noosa feels about



**TRANSPORT GOALS:** Vivien Griffin wants to see an electric bike commuter trial in Noosa. PHOTO: PETER GARDINER

congestion," she said.

Ms Griffin said locals had to start thinking about replacing their internal combustion engine vehicles and tradies would be able to see some available electric work vans.

Ms Griffin said currently Noosa households have 1.8 cars on average.

"If we can get that down to one car per household it would make a huge difference," she said.

"This (expo) is certainly a first on the Sunshine Coast and we think in Southeast Queensland.

"It's part of the work being done by Zero Emission Noosa – our goal is zero emissions by 2026.

"The transport emissions of residents only, not counting tourism, make up 30 per cent of our emissions."

Ms Griffin said this was a great opportunity for people to try out electric bikes.

She said there were three-wheeled trike bikes and "beautifully designed retro bikes".

Counting private vehicle owners, there should be more than 60 exhibitors.

**FREE ENTRY**

# NOOSA ELECTRIC VEHICLE EXPO

**HERE Saturday 12 May**  
**10am - 2pm**

[www.noosaevexpo.com](http://www.noosaevexpo.com)




# NOOSA ELECTRIC VEHICLE EXPO

**FREE ENTRY**



**10am to 2pm**  
**Saturday 12 May**  
**Aussie Rules Grounds,**  
**Weyba Road, Noosaville**





**ZERO EMISSIONS NOOSA**

**NOOSA COUNCIL**  
Our organisation has been supported by Noosa Council

 [www.noosaevexpo.com](http://www.noosaevexpo.com)



12 NEWS

noosanews.com.au Friday, May 18, 2018

# Noosa plugs in to electric trip

## First expo has charged up local interest

NOOSA kick-started its transport future fully charged when almost 2000 visitors plugged in to its first Electric Vehicle Expo on Saturday.

Under blue skies just made for solar charging, the crowd showed keen interest in the large range of different e-bikes and vehicles on display.

Event coordinator Vivien Griffin said plenty of expo goers took the opportunity to have a trial ride.

"We were absolutely delighted with the number of visitors," Ms Griffin said.

"We also got great feedback from all our exhibitors, who reported great interest, lots of questions, and sales.

"We also had a huge number of private electric vehicles with their owners ready to answer questions from interested visitors."

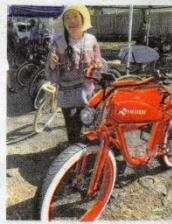
Ms Griffin praised Transport Minister Mark Bailey for opening the event in the company of Mayor Tony Wellington and Member for Noosa Sandy Bolton.



The future for Noosa just has to be electric.

"He took the time to walk around and speak with exhibitors, who were thrilled to meet him. We also had the Queensland launch of the ACE-EV electric vehicles which are due to come on market next year, made just up the road in Maryborough. "These vehicles are predicted to come on to the market below \$40,000, and will be a game changer."

Ms Griffin said the expo is a great fit with Noosa and "we are already planning for an even bigger and better event next year".



Electric bikes proved a hit at the Electric Vehicle Expo.



PLUGGED IN: Transport Minister Mark Bailey and Noosa MP Sandy Bolton are switched on at the Noosa Electrical Vehicle Expo. PHOTOS: CONTRIBUTED



Just what will it take for Noosa to power on into the future?



Bike power is electrifying.

# ELECTRIC IS ACE

BY MARGARET MACCOLL

Australian Clean Energy Electric Vehicle (ACE EV) used the event to launch its affordable all-electric cars - a panel van and a ute - which will be on sale from June and in stock from November.

ACE EV representative Greg McGarvie said the vehicle, which was the product of a joint Swiss, German and Taiwanese venture, had been two years in design.

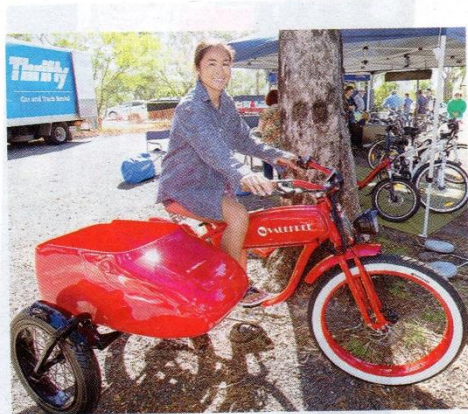
The car will travel 350km per charge, retail for under \$40,000 and each one come with a home charging station and app to locate charging stations, he said. Greg boasted of the economy of the electric vehicles saying one of his colleagues had recently driven from Melbourne to Maryborough in a Tesla at a cost of \$20.



Minister Mark Bailey speaks with Greg McGarvie, Noosa MP Sandy Bolton and Noosa Mayor Tony Wellington.

noosatoday.com.au





Terumi Iwagani tests a Vallkree electric bicycle.

## PEDAL WITH POWER

BY MARGARET MACCOLL

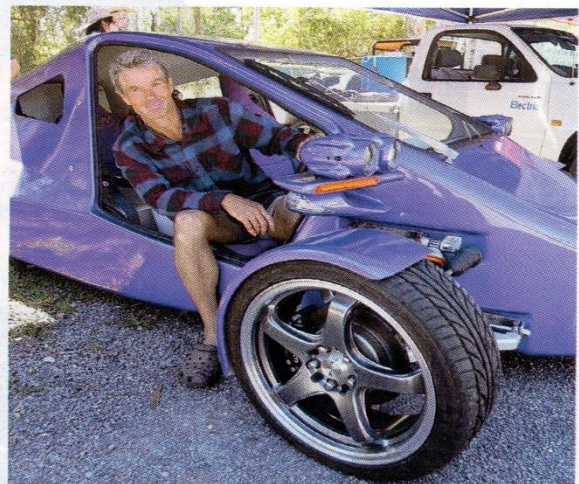
Electric bicycles of all shapes and sizes were available to test out at the Electric Vehicle show at Noosa on Saturday. Among them were the Vallkree bikes.

Named after the flying goddess the bikes are described by their creator Jason Sanger as a "gentleman's cruiser".

With a top speed of 25km/hr and the ability to run about 50km on a single charge the bikes are street legal and sleek.

- Jason said the bikes retail from Thomas Surfboards for \$33,000 and a hand made wooden version was available for \$4,900.
- The bikes can be trialed at Golden Breed at the entrance to Hastings Street.

Thursday, 17 May, 2018 | NOOSA TODAY 31



Trevor Richards with his electric trike.

## BUILT IN THE BACK SHED

BY MARGARET MACCOLL

When Trevor and Marcy Richards worked as teachers in Kiribati in the Pacific Ocean they realised how dependent their lives were on electricity.

"There was no power, no phone, no doctors," Trevor said. "Fuel prices were going up down here. We got involved in wind and solar power and then electric driven vehicles."

Having grown up on a farm where he learnt a lot about fixing vehicles and a background in manual teaching, Trevor developed about a decade ago an electric ute he said was the first electric vehicle registered in Queensland. He brought his ute and a trike prototype to the show. Powered at his house in Kuttabul near Mackay, using solar power, Greg said the trip to Noosa cost about \$3.

Trevor's Drive by Nature business aims to market his trikes. For more information visit [www.thebackshed.com/basiclynatural](http://www.thebackshed.com/basiclynatural) or phone 4954 0285.





An electric Lotus was shown off by the Australian Electric Vehicle Association.



Chris Hewitt demonstrates how to use a Tritium charging station.

# DRIVEN BY THE ELECTRICITY

BY MARGARET MACCOLL

The atmosphere was electric on Saturday for what Transport and Main Roads Minister Mark Bailey described as "an historic event - the first ever electric vehicle event" held in Noosa on Saturday.

Electric cars, scooters, bicycles, trikes and charging stations were on show for the Zero Emissions Noosa Expo and crowds gathered to see what was on offer.

Noosa Mayor Tony Wellington said the Council was aware that the modal shift to electric vehicles was inevitable.

"We have provided an electric charger at Cooroy as part of the State's electric superhighway scheme," he said. "Our transport strategy is also considering electric vehicles and other new technology."

"Major vehicle manufacturers across the planet are all designing and making electric vehicles. Ford has committed \$11 billion on technology to build no less than 40 different models of electric and hybrid vehicles by 2022. Daimler said it would spend a similar amount creating 10 purely electric and 40 hybrid models. And, as the ZEN Expo revealed, there are local independent manufacturers popping up as well."

"When I first bought my Prius hybrid car 13 years ago, there was a lot of



Mike Danielli of Electron Vehicles with one of their bikes.

scaremongering about batteries failing and other nonsense. Just today, driving between Cooroy and home, the car's speedo ticked over 300,000kms. It's still on the original battery. In fact, it hasn't had a hiccup in 13 years."

The Queensland Government last week announced the release of a guide to installing EV chargers for property owners, planners and developers.

Minister Bailey said sales of electric vehicles in Queensland were growing and with new, more affordable models entering the Australian market, EV charging infrastructure would grow in importance.

"In January 2018 the Palaszczuk Government successfully completed the Queensland Electric Super Highway



Crowds visit the ZEN electric vehicle expo.



James Pauly of Traction EV with his electric VW.

(QESH), which stretches from the Gold Coast to Cairns," he said.

Charging stations on the electric super highway are free for the first year, he said. ●

12 NEWS noosanews.com.au Friday, August 3, 2018

## Don't 'tank' on road jam busting

"GOOD progress but can do better" – that is the report card assessment issued by Zero Emissions Noosa on the recent Noosa Council's progress towards its Transport Strategy.

"There is no doubt that Noosa Council is giving this issue a high priority and has great aspirations," ZEN transport spokesperson Vivien Griffin said.

"We totally support the direction they have set in the strategy, and the e-Noosa goal.

"However, we think it is time the CEO was required to provide clear implementation time lines to the Noosa Council and community for the initiatives being discussed."

Ms Griffin said if the council was to present the region as a model of an innovative transport community to federal and state governments, we needed to have some runs on the board, not just words.

"If you want people to choose alternatives to the private motor car, you need a sophisticated behaviour change strategy involving a mix of carrot and stick," she said.

"The carrot is high quality and safe alternatives such as frequent shuttle buses and safe cycling and public transport transit lanes, particularly at bottle necks such as Garth Prowd bridge.

"If the Noosa Triathlon can organise shuttle buses, why can't Noosa Council?" Ms Griffin said the stick was "obviously paid parking, which can fund the alternatives".

"There are over 400 parking spaces in Noosa Woods which are currently free.

"This could be a revenue source to pay for the alternatives.

"Yes, council has flagged this as an option, but will it be delivered and how?

"It makes no sense at all to raise parking fees in Noosa Lions Park at peak time, and leave the Noosa Woods car parking free.

"So the important priority is delivery on the alternatives ... not on tackling congestion, which you will never solve.

"Right now there is at least \$2.2 million sitting in the sustainable transport levy, with nearly another million to come this year."

Mayor Tony Wellington said the council's short, medium and long-term goals involved far more costs than could be met by the transport levy.

"Many will require funding support from higher levels of government," he said.

"We can't put delivery dates on actions that are not funded. We do have an idealised schedule for delivery of our short-term implementations," he said.

"We have had to gather and analyse data to ground truth our implementations. We have also needed to gather information from transport experts."

The mayor said the council did not want to rush into actions that were poorly modelled and ill-considered.

"We need to ensure that ratepayers' funds are being spent effectively. The transport strategy involves integrated solutions," Cr Wellington said.

"This means that many of the actions require other simultaneous actions to work effectively, and this complicates their roll-out."

— Peter Gardiner



**GRIDLOCK:** Traffic build-ups at peak times are clogging up major access points.  
PHOTO: PETER GARDINER



noosanews.com.au Friday, August 24, 2018

# Leading an ebike charge

Local uni about to put our bike behaviour to the test

■ Peter Gardiner

ONE Noosa researcher about to help launch a locally ground-breaking trial on the benefits of electric pedal power, once regarded the ebikes as a bit of a joke.

But now Dr Carina Anderson, of CQUniversity School of Nursing, who is about to steer a three-month trial is one of the battery-charged converted road users.

"I'm just really keen to see less people using their cars so we have less emissions," Dr Anderson said.

"Thirty per cent of emissions come from transport, so if we can get some of the cars off the road it's good for everyone and it's good for the infrastructure, because you have less wear and tear on the road."

She cycles and charges along on electric no-pedal power.

"I never thought I'd own an ebike, because I laughed at them the first time I ever heard of them," she said.

"One of the guys in town let me ride one and I thought this is really fun."

"It took me a year to buy

**"I hop on the bike to get the groceries, because I can..."**

— Dr Carina Anderson

one, but gee I'm really hooked - I love them.

"For me it makes me ride my bike when normally I would have taken my car."

"So I make an effort now - I live at Castaways and I make an effort to hop on the bike and go to Coles or up to Aldi to get the groceries, because I can and it's fun."

CQU has teamed up with bike company GIANT and Zero Emission Noosa to put two lots of 10 indifferent bike users to the test.

ZEN has been helping recruit for this study that ties in with its electric vehicle push along with other green groups like Noosa Parks Association.

"It's about trying to get people in Noosa out of their cars and thinking of alternate low emissions form of transport," she said.

"We're looking at whether we can change their



**TRIAL RIDES:** CQUniversity researcher Dr Carina Anderson and GIANT Noosa store manager Jesse Sutton saddle up for a three-month trial. PHOTO: CONTRIBUTED

behaviour and also at their health and well-being benefits of using an ebike."

The study will chart the changes in the mental and physical state.

"We're recruiting right now. They have to do a bicycle safety workshop first

and that will be on September 8 and so long as the bikes are here on time we'll be kicking off after that."

Locals need to meet the following criteria:  
 ■ Regularly drive your car to get to work

- Do not cycle often
  - Are over 18 years of age
  - Have a body mass index of between 25-40
  - Are physically inactive
  - Live and work in Noosa
- Dr Anderson can be contacted on c.anderson@cqu.edu.au.

Friday, September 21, 2018 noosanews.com.au



**GOING SOLAR:** Solar panels on Noosa Marina structures. PHOTO: CONTRIBUTED

# Businesses: pick up on solar now

ZERO Emissions Noosa is asking all businesses to complete a short online survey at repowernoosa.com/business-survey which is asking their reasons for installing or not installing rooftop solar for their business.

"Noosa businesses are spending \$23.4m on electricity every year," Zero Emissions Noosa president Vivien Griffin said.

"Yet just 4.6 per cent of (them) have upgraded to solar power compared to 38 per cent of residential

properties. "We want to work with businesses to identify the barriers preventing (their) installation of solar. Then we want to develop solutions that work for them, in partnership with them," Ms Griffin said.

"I urge all businesses to complete the survey, as this will help us tailor initiatives that work for them, not just what we think will work."

"Our Repower Noosa project represents an opportunity to facilitate the generation of over \$100m of

economic benefit for local businesses and at the same time help with our transition to 100 per cent renewable energy by 2026.

"By taking an innovative approach to growing our solar industry and ensuring the costs of transition to renewable energy are fed back into the local economy, we're investing in jobs and industries of the future for Noosa."

Ms Griffin said businesses could contact her at zeroemissionsnoosa@gmail.com or 0407 116 105.



**INSIDE:** Royals leave lasting Fraser legacy. PAGE 8

# Noosa

news **50** YEARS

Friday, October 26, 2018    5440 8000    noosanews.com.au

## NIFF is here, so get your popcorn ready

■ Caitlin Zerafa

THE blue carpet is rolled out, corn ready to be popped and champagne on ice as special guests get ready for the opening night of Noosa International Film Festival tonight.

While events started yesterday, festival-goers can expect a jam-packed schedule with plenty on offer until Sunday.

One of the weekend's most popular events is the short film session with a big line-up on the show reel.

Festival president Holly Pittman said tickets were selling fast.

"We have a whole weekend of short films to see, seven screenings, in fact, to choose from," Ms Pittman said. "We're encouraging filmgoers to make a day of it at The J."

NIFF will present four screenings at The J Theatre from 10am-5.30pm tomorrow.



FILM EXCITMENT: NIFF president Holly Pittman and Bendigo Bank's Kerri Wright are ready for the film-watching fun to begin. PHOTO: CONTRIBUTED

CONTINUED ON PAGE 10

# GOING SOLAR TO CREATE 800 JOBS

Businesses told they need to switch now

FULL STORY ON PAGE 6



noosanews.com.au Friday, October 26, 2018

## Power proves a dinky Di saving

LOCAL businesswoman Di Henshall has noted her interior design service has achieved a 55 per cent reduction in energy usage and an 86 per cent reduction in energy costs since her solar installation.

Zero Emissions Noosa's

Vivien Griffin paid tribute to solar adopters like Gull Brothers, Bissell's Paint & Panel, Page Bros Furniture, Noosa Flashpackers, Noosa Seafood Providores, Noosa Radiators, Waves of Kindness and Noosa Sun Motel.

"These companies are

doing the right thing, while making their businesses more profitable and more secure," she said.

"I applaud them all, and I worry a bit about those others which are lagging behind. They need to catch up right now."

# Jobs bonanza in solar conversion

■ Peter Gardiner

NOOSA businesses could help create 800 skilled jobs in the next eight years and save \$3.4 million if they were to join the solar push by Zero Emissions Noosa.

That is the upside of ZEN's "historic" report, Achieving 100% Renewable Electricity in Noosa, produced by Dr Rob Passey of ITP Renewables, funded by the Noosa Biosphere Reserve Foundation.

Foundation chair Dick Barnes said "this is just the start of a very big idea and NBRF would welcome being further involved in the next stages," he said.

ZEN president Vivien Griffin said this report was a "historic milestone in our collective journey to zero emissions".

The downside of Noosa not adopting a solar-powered future was spelt out starkly by Noosa Mayor

Tony Wellington at the official handover of the report beside a Noosa Marina decked out with a roof full of sun-powered panels: "The recent IPCC (Intergovernmental Panel on Climate Change) report has underpinned the urgency of these sorts of actions.

"The latest report argues that the planet has just 12 years to avoid a climate change catastrophe."

The mayor said the IPCC report is based on 6000 scientific projects and reports and "it would be pretty foolish for all of us to ignore such a mass of expertise".

While private homes have been quick to take up solar, Noosa businesses have been "dragging their heels somewhat" with just a 5 per cent take-up compared to Noosa's 35 per cent domestic adoption rate.

Ms Griffin said the report set out pathways for

achieving the ZEN goal and said the Noosa Marina and a growing band of others were "a shining example at a business that is doing not only great business, but also great for the environment as well".

Marina manager Warren Smith said deciding to invest \$135,000 two months ago to install 200 kilowatts of solar panelling was a "no-brainer really".

"They've been offering us a saving at this stage of around a quarter to a third of our energy consumption to the tenants.

"And we pass on that saving to the tenants - they're saving about 20 per cent off their power bill."

Mr Smith said the panels would pay for themselves in five years and stage two would see the addition of software to help manage the electricity usage better for an expected further 15 per cent power saving.



**SOLAR POWERING:** Mayor Tony Wellington, NBRF chair Dick Barnes, ZEN president Vivien Griffin and Noosa Marina manager Warren Smith are sold on solar panelling. PHOTO: PETER GARDINER





FROM LEFT: Mick Davis (ZEN), John Esso (CER), Bill Fitch (CER), June Norman (CER), Kerri Watson (ZEN) and Paula Reynolds (CER). PHOTO: CONTRIBUTED

*NOOSA NEWS 4/12/18*

# Quiet revolution is taking place

A QUIET revolution is unfolding in Cooran thanks to the efforts of a few dynamic Noosa locals. Spending an hour or two on a Saturday morning learning how to unlock the secrets of electricity bills (and inspecting a home for more clues on household energy usage), is probably not your ideal weekend activity. But this hardy group of locals begs to differ. Following on from their Declaration of Cooran as a Coal and Gas Free Community on August 11 this year, members of the Cooran Earth Rights (CER) group have been meeting with volunteers from Zero Emissions Noosa (ZEN) to take back the power, one household at a time. The group's goal is to become the first community in Noosa, Queensland and maybe, Australia, to be a zero net user of coal and gas-generated electricity. They aim to do this by reducing consumption, and installing more solar photovoltaic panels. With assistance from

ZEN's Repower Cooran Project Officer Geoff Acton, the community has learned that it currently draws 3.9 million (mega) kilowatt hours from the electricity grid each year. That equates to the average Cooran household emitting 4.1 tonne of carbon dioxide from electricity usage due to the burning of coal. Furthermore, about 20 per cent of households are high energy users, with the remaining 80 per cent low-medium energy users. While more than 45 per cent of households currently have solar PV panels installed, and 22 per cent with solar hot water, the community wants to reduce its reliance upon coal as an energy source. But making the switch to solar power is not that simple. Surveys conducted in the community by ZEN and CER have found that the main barriers for Cooran residents in switching to renewable energy are: a lack of awareness about solar power and affordability

issues; limited understanding of how people use energy in the home; and a lack of knowledge about how to decipher a power bill. So, the group has embarked upon the challenging journey of becoming Energy Coaches for their local community. ZEN volunteers, Michael Davis of Sustainable Energy Management P/L and Kerri Watson of EcoStrategy Consulting, are sharing their expertise with the group, using a simple energy audit process. The idea is that by transferring some basic knowledge about energy utilisation and potential solutions, the members of CER can then offer this expertise to other residents. A little bit of knowledge can translate into a lot of power, especially if the whole community is behind the initiative. This is community-based social marketing at work, and it is being used increasingly around the globe as communities take action against climate change.



**INSIDE:** Noosa's pandanus fightback: PAGE 9

# Noosa

news **50** years

Friday, November 16, 2018 5440 8000 noosanews.com.au

## There's no tuk-tukking this clever idea

COULD the tuk-tuk solve Noosa traffic problems? Zero Emissions Noosa is asking residents to support their campaign to bring the RMIT solar powered tuk-tuk to Noosa.

"The solar tuk-tuk team is currently travelling up the east coast of Australia, and is due to stop on the Sunshine Coast on December 9," ZEN president Vivien Griffin said.

"We think it would be fantastic to give them a huge Noosa welcome.

"If people go to [www.solartuk.org](http://www.solartuk.org), they will be able to request a visit. "ZEN has already done so, but it will be much more powerful for a huge community shout-out."

"I am sure many Noosa residents are familiar with the tuk-tuk from their visits to Asia," she said.

The SolarTuk was unveiled at RMIT University EnGenius event in October.

— Continued P6



**SOLAR SMOOTH:** Expedition leader Julian O'Shea with his solar-powered tuk tuk headed our way. PHOTO: SOLARTUK

## Solar tukking around the globe

### FROM P1

"We think that electric vehicles have a role to play, and would love to see a faster transition to greener forms of mobility," the SolarTuk website said.

"We think that if we can make it across Australia and the world in a slow-moving tuk tuk, then people needn't be too worried about the range of their own, more appropriate, electric vehicles.

SolarTuk Expedition leader Julian O'Shea is a social entrepreneur, educator, humanitarian engineer. Mr O'Shea heads up Unbound, a social

enterprise that designs and leads innovative education programs across the Asia-Pacific region.

He worked with a team of final year students from RMIT University's School of Engineering to convert the tuk tuk to solar power and prepare it for the expedition. The students were predicting the tuk tuk's battery to have a range of between 250-300km.

This vehicle has six Tesla Model S battery modules, each of which offers about 5.3kWh for a total pack capacity of more than 30kWh.

Ms Griffin said the humble

tuk tuk, also known as an auto-rickshaw, is used by millions of people around the world for their daily commute and are loud, dirty, small and fun.

SolarTuk will travel the length of Australia, and then around the globe, to show an unlikely green vehicle can go the distance.

She said the journey would involve outreach with schools, community groups, and sharing stories of innovation and environment.

"So, come on Noosa, let's bring this clean, green innovative transport initiative to Noosa," Ms Griffin said.

## APPENDIX 2



<b>Zero Emissions Noosa, Inc.</b>		
ABN 74 862 487 515		
	<b>DRAFT</b>	
<b>treasurer's report</b>		
31 December 2018		
<b>assets</b>		
cash at Bendigo Bank	\$9,261.80	
due from Noosa Council re Transport Module 3 inc GST	\$5,500.00	
due from Noosa Council re Community Proj Rnd 10 inc GST	\$5,500.00	
GST refund due	\$45.45	
other assets	\$0.00	
	-----	
<b>total assets</b>		<b>\$20,307.25</b>
<b>liabilities</b>		
services contracted but not yet delivered/invoiced:		
The Social Deck Pty Ltd (inc GST)	\$7,975.00	
Ecotekk Pty Ltd (inc GST)	\$835.00	
GST payable	\$0.00	
other liabilities	\$0.00	
	-----	
<b>total liabilities</b>		<b>\$8,810.00</b>
		-----
<b>net assets</b>		<b>\$11,497.25</b>

Joe Shlegeris  
Treasurer, Zero Emissions Noosa, Inc.