

# SUSTAINING LIVERPOOL

WINTER 2019



The bearded dragon is so perfectly camouflaged that most people will walk right past it and not see it.



Bearded Dragon  
– *Pogona barbata*

## In this issue

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LIVERPOOL  
CITY  
COUNCIL





# MESSAGE FROM THE MAYOR

## Welcome to the Winter Edition of our Sustaining Liverpool newsletter.

Winter is traditionally the time to snuggle up inside where it's nice and warm. But all that lovely warmth comes at a cost – power and gas bills!

With energy prices ever rising, winter is the ideal time to take a look at what you can do to save money.

On page 6 you'll find useful tips and links to information about replacing outdated hot water tanks, reducing hot water use and cutting power bills.

If you're struggling to dispose of recycling, our Community Recycling Centre is open six days a week. Don't forget our Chemical Cleanout on Sunday 21 July when you can safely dispose of household chemicals.

We're justifiably proud of our Environment Volunteer Program here at Liverpool City Council. Our wonderful volunteers have been nurturing Liverpool's parks, creeks and bushland areas for the past 15 years.

National Tree Day is the undoubted annual highlight of the environment volunteering calendar. It is Australia's largest tree-planting event and a chance for people to come together to share the joy of helping nature.

This year Council will mark National Tree Day by expanding bushland near Cabramatta Creek in Brownes Farm Reserve, Hoxton Park.

So mark Sunday 28 July in the calendar and bring the whole family along for a fun day of digging and planting.

If you would like to know more about our regular environment volunteer groups, see page 11 or visit [www.liverpool.nsw.gov.au/volunteer](http://www.liverpool.nsw.gov.au/volunteer).

You will find a wealth of information about different ways to help the environment in this newsletter. Schoolchildren can learn how to build frog ponds and help monitor frog populations. Discover how you can care for injured native animals. Or find out how your community group can apply for a Sustainable Environment Grant.

I hope you enjoy this newsletter and all that our wonderful environment has to offer.



**Mayor Wendy Waller**  
Liverpool City Council

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*Pimelea spicata*  
Spiked Rice-flower



*Thysanotus multiflorus*  
Fringe Lily

## RECEIVE YOUR NEWSLETTER VIA EMAIL

Your edition of Sustaining Liverpool can now be sent to your email address.

If you would like to receive it electronically rather than printed, email: [lcc@liverpool.nsw.gov.au](mailto:lcc@liverpool.nsw.gov.au)



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# PRIDE OF PLACE

## A permanent exhibition of local Aboriginal cultural heritage

**Liverpool City Council acknowledges the Elders past and present of the Cabrogal Clan of the Darug Nation and also those of the Dharawal Nation who walked these lands.**

Pride of Place is a permanent exhibition at Carnes Hill Library dedicated to the Aboriginal cultural heritage of the region and the objects recovered from the site during the construction of the Carnes Hill Recreation and Community Centre.

In preparing for the construction of the new centre, archaeological investigations and testing were undertaken in consultation with the local Aboriginal community. About 155 objects were recovered from the site as well as the adjacent area known as Carnes Hill North.

These objects were held in storage since their recovery. Through further consultation, Liverpool City Council agreed to put the objects on display within the new Carnes Hill Library.

Liverpool City Council wanted to develop an exhibition which showcased the objects and told a story about the local Aboriginal culture to help the wider community understand the significance of the objects but also more than 4,500 years of Aboriginal heritage within the area.

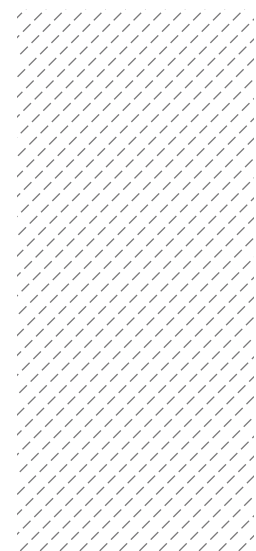
From the start Council recognised that the stories presented within the exhibition needed to come from the Aboriginal community and be told with their voice.



Liverpool City Council staff and consultants undertook extensive consultation with the Aboriginal community to understand what information they wanted shared, how they wanted it told and what artefacts they wanted shown.

These workshops guided the development of the displays and led to the incorporation of Darug artwork.

This exhibition would not have been possible without the continued support of representatives from the Gandangara Local Aboriginal Land Council, Darug Custodian Aboriginal Corporation and Darug Land Observations.



# PROGRAMS FOR SCHOOLS

## Join the National Frog Pond Building Project

More than ever, kids are wondering what they can do to help save the planet. The National Frog Pond Building Project gives them the chance to do just that.

The Australian Museum and Bunnings have joined forces to help schools build a frog pond, providing a "frog-friendly" environment to help Australia's frog populations thrive. Once they're ribbiting, students can monitor their pond and record frog calls using the FrogID app.

Schools are welcome to contact the Activities Organiser at their local Bunnings store to discuss this program.



### FrogID app

Each species of frog has its own unique call. The app identifies frog species by their call and uses geotagging to map species distribution. With your help, we can put more frog species on the map and track changes to their species and habitats over time, and therefore monitor our waterways' health. Use the app to create a profile, record frog calls and match your calls to the frog calls on the app. Then upload your records to the Australian Museum frog experts for species verification.



Get the app at [www.frogid.net.au](http://www.frogid.net.au)

### Schools and Education

Teachers can register a class of students and use the FrogID classroom resources to contribute to FrogID.



Visit [www.frogid.net.au/schools](http://www.frogid.net.au/schools) for more information and resources.

## The benefits of children spending time outdoors are well researched – learning about the environment, connections with nature, encouraging healthy lifestyles and nature play.

Do you want to raise awareness about an environmental or sustainability issue in your school and community, and deliver great activities that have a long-lasting impact for students but are not sure where to start?

The Australian Association for Environmental Education NSW is proud to bring Take Me Outside to NSW in 2019, thanks to a NSW Environmental Trust grant and with permission from Take Me Outside Canada.

Take Me Outside NSW will offer a 'one-stop shop' for teachers, educators, community volunteers and state government and council staff to connect and develop programs and activities to help young people get healthy

and active in our environment. It can also provide more structure and detail when applying for grants or asking other partners to get involved.

The project includes a website, resources and more available online, linking in closely with Sustainable Schools NSW and other key partners to help support schools and groups develop and deliver their projects.

For more information, project ideas and resources visit [www.takemeoutsidensw.org.au](http://www.takemeoutsidensw.org.au)



# TAKE ME OUTSIDE NSW



# SUSTAINABLE ENVIRONMENT GRANTS

The Sustainable Environment Grants program supports schools and community groups to play an active role in reducing their impact on the environment and implementing environmentally sustainable actions.

Key funding priorities fall under the categories of:

- Natural environment;
- Sustainable gardening;
- Sustainable water use; and
- Waste minimisation or recycling.

Up to \$5,000 in funding is available. Applicants that demonstrate a commitment to the project through either financial or volunteer support are considered favourably.

**The grant round is open from 17 June to 27 July 2019**

For more information and to apply for a grant visit [www.liverpool.nsw.gov.au/community/grants-and-sponsorship](http://www.liverpool.nsw.gov.au/community/grants-and-sponsorship)

# INTRODUCTION TO AUSTRALIAN WILDLIFE COURSE



The free online WIRES Community Course 'An Introduction to Australian Wildlife' has been designed for people of all ages as an easy introduction to Australian wildlife. It is intended for individuals and families who are unfamiliar with Australian native animals.

The course is available in **English, Arabic or Chinese (simplified)**.

The course was designed in conjunction with the NSW Government through its Environmental Trust to help those new to Australia and who have no experience with Australian wildlife to:

- Identify some of our most common species;
- Appreciate how important native animals are to our environment;
- Ensure their safety and the safety of native animals; and
- Learn how to best help sick, injured or orphaned wildlife.



To complete the course and learn more about native wildlife, visit [www.wires.org.au/wildlife-info/wildlife-education/community-wildlife-course](http://www.wires.org.au/wildlife-info/wildlife-education/community-wildlife-course)

# LEVEL 1 WATER RESTRICTIONS ARE NOW IN PLACE

More than 85% of Greater Sydney's water supply relies on rain. This means that our water is in short supply during prolonged droughts. Water restrictions limit how and when we use drinking water outdoors and help reduce demand when we are not getting enough rain.

Water restrictions apply to everyone in Sydney, the Blue Mountains and the Illawarra. This includes both residents and businesses.

If we all do our bit and save a little, it will make a big difference across Greater Sydney.

For specific information about what is allowed under Level 1 water restrictions and what is excluded from the restrictions, please go to [www.sydneywater.com.au/SW/water-the-environment/what-we-re-doing/water-restrictions/index.htm](http://www.sydneywater.com.au/SW/water-the-environment/what-we-re-doing/water-restrictions/index.htm)

Fines may apply for not following the restrictions.

Please note this information is current at the time of publication and may vary over time. Sydney Water's website is the best source of information about the status of water restrictions at all times.





# SAVE ENERGY, SAVE MONEY

## Energy Efficient Hot Water

April to June is the peak hot water tank upgrade season. Why? Because this is when underperforming ones get noticed in the colder weather as your hot water tank works harder to heat water to the right temperature.

If your hot water tank is old, inefficient, or on its last legs, it might be time to replace it with an energy-efficient system. If you leave it too late, you're more likely to rush into a poor choice. Go to Sustainability Victoria's website for more information:

[www.sustainability.vic.gov.au/You-and-your-home/Save-energy/Hot-water/Choose-a-hot-water-system](http://www.sustainability.vic.gov.au/You-and-your-home/Save-energy/Hot-water/Choose-a-hot-water-system)

## Reduce your hot water costs

Hot water heating makes up about 25% of household energy usage. Most hot water is used in the bathroom followed by the laundry and the kitchen.

Regardless of the type of hot water system that you use, there are a number of practical ways to reduce your hot water usage and costs:

- Install a low-flow shower head;
- Take shorter showers to save energy and water;
- Fix dripping taps;
- Insulate exposed hot water pipes;
- Wash your clothes in cold water; and
- Service and maintain your hot water system.

For information on water and energy saving in your home go to:

[www.energysaver.nsw.gov.au](http://www.energysaver.nsw.gov.au)  
[www.lovetwater.sydney](http://www.lovetwater.sydney)



## Energy grants and rebates

Find out what federal energy grants and rebates you may be entitled to.

[www.yourenergysavings.gov.au/rebates](http://www.yourenergysavings.gov.au/rebates)



## Boost Savings Power

Check what state energy savings and discounts may be available.

[www.energysaver.nsw.gov.au](http://www.energysaver.nsw.gov.au)



## Cut your costs



The energy rating website or app includes a calculator to help you save on electricity bills and choose energy-efficient appliances.

[www.energyrating.gov.au](http://www.energyrating.gov.au)  
[www.energyrating.gov.au/apps](http://www.energyrating.gov.au/apps)

# WORLD ENVIRONMENT DAY 5 JUNE

World Environment Day (Wednesday, 5 June) is the United Nations day for encouraging worldwide awareness and action to protect our environment. Since it began in 1974, the event has grown to become a global platform for public outreach that is widely celebrated in more than 100 countries.

Each year the United Nations designates a theme for attention and action. The theme for 2019 is "Air pollution".

World Environment Day 2019 will urge governments, industry, communities, and individuals to come together to explore renewable energy and green technologies, and improve air quality in cities and regions across the world.

Celebrate our planet's biggest day for positive environmental awareness and action.

Visit [www.worldenvironmentday.global](http://www.worldenvironmentday.global) and discover how you can help to combat air pollution.



CHINA  
2019



## NATIONAL STUDENT VOLUNTEER WEEK 12 – 18 AUGUST 2019

National Student Volunteer Week aims to challenge and celebrate young people who are motivated to make change through volunteering.

Volunteering develops additional skills and experience you can include in your resume, giving you an edge over other applicants. If you don't currently volunteer, consider volunteering as a pathway to employment.

Students can gain many benefits from volunteering such as increased confidence, more social skills and valuable work experiences.

A wide variety of events, activities, and awareness-raising campaigns led by higher education providers and schools will take place nationwide. For more information on how to get involved or to register your event, visit [nationalstudentvolunteerweek.org.au](http://nationalstudentvolunteerweek.org.au)



## YOUTH GIVE NATURE A HELPING HAND

A group of enthusiastic high school and university students are taking matters into their own hands to restore a section of Brickmakers Creek at Collimore Park in Liverpool. Their monthly visits to the site are transforming a weed-infested area into a natural environment in a highly urbanised area.

There are many opportunities for volunteering in Liverpool such as helping to restore our natural environment, participating at Liverpool Library or volunteering at the Casula Powerhouse Arts Centre.

New volunteers are welcome – no experience necessary.

To find out more, visit [www.liverpool.nsw.gov.au/volunteer](http://www.liverpool.nsw.gov.au/volunteer)

# CLEAN UP AUSTRALIA DAY 2019

Volunteers came together again in 2019 to participate in Clean Up Australia Day. This year's event was the 30th anniversary for the organisation with Liverpool volunteers giving their time and energy again this year.

Businesses, school groups, and community groups came together to tackle litter across our Local Government Area. This included more than 20 school groups (preschools, primary and high schools) and over 20 community groups. Litter was collected from multiple sites including local parks and reserves with the collected material totalling more than three tonnes.

Council supported groups by providing additional resources including gloves and bags as well as removing the collected litter.

If you missed this year's event, it is not too late! You can register a Clean Up event for any day of the year through Clean Up Australia Day. Details can be found on the Clean Up Australia Day website. Please notify Council of this registration so we can further support your efforts.

Liverpool City Council would like to congratulate all volunteers for this year's Clean Up Australia Day and thank them for their efforts.



Volunteers from the Muslim Women Welfare of Australia, a community member and Council staff participating on the day

## CHEMICAL CLEANOUT JULY 2019



### DATE

**Sunday 21 July 2019**

### TIME

**9am to 3.30pm**

### LOCATION

**Liverpool City Council Depot,  
99 Rose Street, Liverpool**

### You can drop off the following materials:

- Solvents and household cleaners
- Floor care products
- Ammonia-based cleaners
- Fluorescent globes and tubes
- Batteries
- Motor oils, fuels and fluids
- Paint and paint-related products
- Pesticides and herbicides
- Poisons
- Gas bottles
- Fire extinguishers
- Pool chemicals
- Hobby chemicals
- Acid and alkalis
- Unknown chemicals

### Please remember that:

- Only household quantities are accepted
- Maximum container size is 20L or 20kg

Visit [www.liverpool.nsw.gov.au/chemicalcleanout](http://www.liverpool.nsw.gov.au/chemicalcleanout) for more information



# national tree day

PLANET ARK



TOYOTA



National Tree Day is Australia's largest tree-planting and nature care event. It is an opportunity for everyone to put their hands in the earth and give back to the community.

Since National Tree Day started in 1996 over 25 million trees have been planted by more than 4 million people. Each year this number grows with the help of dedicated volunteers all across the country.

## GET INVOLVED

Council is holding a National Tree Day event to expand a patch of remnant bushland near Cabramatta Creek.

These native plants will help to provide food and shelter for native animals and increase the visual amenity of the area and buffer the bushland against impacts from urban areas.

**Date:** Sunday 28 July, 9am to 12pm

**Location:** Brownes Farm Reserve, First Ave, Hoxton Park

Volunteers will be able to:

- Plant locally native plants;
- Get up close with native animals through an interactive wildlife display and learn about their habitat and their behaviour;
- Eat a free barbecue lunch for everyone who gets involved; and
- Enjoy face painting for the kids and more.

**RSVP:** To get involved, visit [treeday.planetark.org/site/10020955](http://treeday.planetark.org/site/10020955)

## LIBRARIES GIVE AWAY NATIVE PLANTS

All six Council library branches are joining the National Tree Day celebrations in the week starting 22 July.

There will be a special story time with stories about trees, songs and craft activities. Native flowering plants will be given away to children who attend the activities, to be taken home and planted.

Story times are held weekly at 10.30am at your local libraries:

22 July	Casula Library
22 July	Miller Library
23 July	Liverpool Library
24 July	Moorebank Library
24 and 26 July	Carnes Hill Library
26 July	Green Valley Library



# DATES

FOR YOUR

# Diary

## Plastic Free July

1-31 July

The plastic bottles, bags and takeaway containers that we use just for a few minutes can be made of a material designed to last forever. Plastic Free July aims to raise awareness of the problems of single-use disposable plastic and challenges people to do something about it. Joining the challenge is simple ... just choose to refuse single-use plastic during July. You'll be joining more than one million people worldwide from 130 countries making a difference. Visit [www.plasticfreejuly.org](http://www.plasticfreejuly.org) for more information and inspiration.



## NAIDOC March and Community Celebration

Tuesday 9 July

Bigge Park, Bigge St, Liverpool

12pm-4pm

Activities include barbecue lunch, stalls, children's activities, live entertainment and performances.

## 2168 NAIDOC Family Fun Day

Wednesday 10 July

Miller Square, Woodward Cres

10am-2pm

Activities include NAIDOC Awards, barbecue lunch, stalls, children's activities, entertainment, performances and a bush tucker plant giveaway.

## National Science Week

10-18 August 2019



Australia's annual celebration of science and technology. Thousands of individuals get involved, taking part in science events across the nation. Science Week is designed for everyone – it's definitely not restricted to schools and universities – with events, activities, talks and shows for every age group.

National Science Week provides an opportunity to acknowledge the contributions of Australian scientists to the world of knowledge. It also aims to encourage an interest in science among the general public, especially younger people.

Use the official app to find out how to get involved or follow the conversation **#scienceweek**.

The National Science Week app is available for Android and IOS (iPhone and iPad). For more details, visit [www.scienceweek.net.au](http://www.scienceweek.net.au)

Liverpool City Libraries will be running programs for National Science Week. Check the website for full details at [mylibrary.liverpool.nsw.gov.au](http://mylibrary.liverpool.nsw.gov.au)

## Today We Will

Today We Will is an impact newsletter. Every weekday morning, it provides a sustainability tip we can all do that day. In four sentences or less, discover why the tip is good for the environment and how to do it.

The tips are small, simple things everyone can do. They will never involve political action, donations, or

spending money anywhere. One task. For one day. Done by all. That's how we create positive change. What you'd be signing up for is a newsletter. What we'd be doing is changing the world.

To get started, visit [www.todaywewillnewsletter.com](http://www.todaywewillnewsletter.com)

# WHAT'S ON

Join our enthusiastic volunteers who beautify their local parks and bushland by removing weeds and litter and planting native plants. Meet like-minded people, increase your knowledge of the environment and create habitat for local wildlife. Don't have any experience? Don't worry – our qualified staff are happy to provide training. All equipment is supplied.

- Collimore Park Environment Group**  
 Meet in the Collimore Park car park on Collimore Avenue, Liverpool  
**Saturday 8am-11am:**  
 6 July  
 3 August
- Amalfi Park Environment Group**  
 Meet inside the park near the footpath on Riley Street, Lurnea  
**Sunday 9am-11am:**  
 7 July  
 4 August
- Clinches Pond Environment Group**  
 Meet inside the park at the Gloria Taylor Reserve sign on Swain Street, Moorebank  
**Saturday 9am-11am:**  
 13 July  
 10 August
- Weaving Garden Environment Group**  
 Meet at the seats inside the reserve at the end of Casula Road, Casula  
**Saturday 12pm-2pm:**  
 13 July  
 10 August
- Cessna Reserve Environment Group**  
 Meet in the reserve at the intersection of Hemsworth Avenue and Stanley Avenue, Middleton Grange  
**Sunday 9am-11am:**  
 14 July  
 11 August
- Chauvel Park Environment Group**  
 Meet at the park entrance at the end of Sammut Cres, Chipping Norton  
**Saturday 8am-11am:**  
 15 June  
 20 July  
 17 August
- Leacocks Lane Environment Group**  
 Meet at the park bench in Glen Regent Reserve below Astley Way, Casula  
**Sunday 10am-12pm:**  
 16 June  
 21 July  
 18 August
- Streamwatch**  
 Come along to investigate the water quality of the Georges River. Meet in the Light Horse Park car park, Riverpark Drive, Liverpool  
**Saturday 8am-9am:**  
 29 June  
 27 July  
 31 August
- Light Horse Park Environment Group**  
 Meet in the Light Horse Park car park, Riverpark Drive, Liverpool  
**Saturday 9am-11am:**  
 29 June  
 27 July  
 31 August
- Voyager Point Environment Group**  
 Meet in the car park at Voyager Park on Orlando Crescent, Voyager Point  
**Sunday 9.30am-11.30am:**  
 30 June  
 28 July  
 25 August
- Streamwatch**  
 Come along to investigate the water quality of Cabramatta Creek. Meet in the Ireland Park car park on Memorial Avenue, Liverpool  
**Sunday 12pm-1pm:**  
 30 June  
 28 July  
 25 August
- Elouera Bushland Reserve Environment Group**  
 Meet in the Ireland Park car park, Memorial Avenue, Liverpool  
**Sunday 1pm-3pm:**  
 30 June  
 28 July  
 25 August

For more information, call 1300 36 2170 or visit [www.liverpool.nsw.gov.au](http://www.liverpool.nsw.gov.au)



# COMMUNITY TREE PLANTING

There will be a free BBQ lunch for all participants after the tree planting.



## HAVARD PARK

**SATURDAY 22 JUNE,  
9AM-11.30AM**

Meet in the park on Braidwood Drive, Prestons

## VOYAGER POINT BUSHLAND

**SATURDAY 24 AUGUST,  
9AM-11.30AM**

Meet in the park on Coach Drive, Voyager Point



No experience is necessary. Council provides all tools and plants. Make sure you have closed-in shoes, a hat, gloves and long-sleeved shirt.

## LIBRARY WORKSHOP

### Terrariums and Tea

**Friday 21 June, 10am-12pm**

Casula Library

Enjoy a cup of tea and biscuits and then make your own glass terrarium bowl to take home! Terrariums are one way to bring the outdoors into your home and they can be easy to maintain. This workshop has limited spots so bookings are essential.

Age suitability: Adults

Bookings essential:

[mylibrary.liverpool.nsw.gov.au](http://mylibrary.liverpool.nsw.gov.au)



# national tree day

PLANETARK  TOYOTA

## BROWNES FARM RESERVE SUNDAY 28 JULY, 9AM-12PM

Meet in the park at the end of First Ave, Hoxton Park

# FREE SUSTAINABILITY WORKSHOPS

Places are limited. To book your place call Council on 1300 36 2170.

## KEEPING BACKYARD CHICKENS

**Saturday 22 June  
10am-1pm**

The chicken is a composter, weed controller, pest controller, creator of natural fertiliser and food producer all in one. From humble beginnings, the backyard chicken is known as a micro livestock pet. This workshop covers the fundamentals of keeping backyard chickens, Council regulations, animal welfare, health & safety, choosing the right breed, housing, feeding, egg handling, and sustainability.



## PLASTIC FREE LIFE

**Saturday 6 July  
10.30am-12.30pm**

Plastics seem to have infiltrated every aspect of our lives from packaging to food storage to skincare and clothes. Learn how to eliminate plastic from our lives by using natural or recyclable replacements for common household items. The talk will be followed by a hands-on session to make your own safe, beeswax-infused food wraps which you can take home.



## ORGANIC GARDEN PROBLEM SOLVER

**Saturday 17 August  
10am-12pm**

Get the best out of your garden and discover organic solutions to common problems. Find solutions for black spot on roses, whitefly on tomatoes, weeds in the driveway, soggy spots in the lawn and more! Bring along some of your diseased leaves or pest problems to solve during the workshop.

