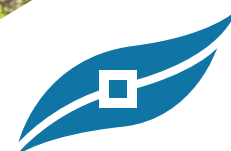


RESILIENT MANNINGHAM: Annual Environment Report 2018/19



MANNINGHAM

OUR HIGHLIGHTS

We understand that protecting, sustaining and enhancing our environment is key to creating a liveable and harmonious place for everyone to enjoy.

We work with the community and our partners to protect and enhance our valued environment and biodiversity, as well as to reduce our environmental impact and adapt to climate change.

THIS REPORT HELPS EXPLAIN HOW WE ARE WORKING ON OUR PRIORITIES:

- P3** Lead sustainability action
- P4** Protect our biodiversity
- P5** Address our waste
- P6** Work with you
- P7** Manage our water



IN 2018/19 WE:

- ✓ reduced carbon emissions by **25%** from our operations (since 2008/09)
- ✓ added **18** hybrid cars to our fleet
- ✓ delivered **150** environmental activities and events to over 7,500 community members
- ✓ provided **200** residents (approx.) with weed and pest control, bushfire risk reduction and sustainable land management advice and action
- ✓ ran a pest deer control and management program
- ✓ advocated to the Victorian Government to declare deer as a pest
- ✓ managed bushland reserves to protect biodiversity
- ✓ achieved the lowest level of waste sent to landfill since 2001/02



IN 2019/20 WE WILL:

- ✓ prepare for a tender to power **40%** of Council's electricity use through solar and wind generation
- ✓ explore the feasibility of electric cars for our fleet
- ✓ install more solar and battery storage
- ✓ install more energy efficient streetlights
- ✓ investigate and mitigate vegetation loss across Manningham
- ✓ engage the community in waste, recycling and environmental engagement programs.

Our Council Plan theme 'Resilient Environment' underpins our activities

COUNCIL PLAN GOAL	OUR COMMUNITY'S EXPECTATIONS
Protect and enhance our environment and biodiversity	Valuable community partnerships in protecting natural spaces, park, rivers and creeks
	Support in protecting The Green Wedge and natural spaces
	Sustainable management, monitoring and enhancement for the natural environment
	Management of natural spaces to remove threats and revegetate
Reduce our environmental impact and adapt to climate change	Greater community awareness and support of environmental issues
	Greater optimising and management of our energy, waste and water
	Demonstrate leadership in sustainable and innovative environmental practices

LEAD SUSTAINABILITY ACTION



COUNCIL PLAN GOAL

Reduce our environmental impact and adapt to climate change



COUNCIL PLAN ACTION

Optimise the management of our energy, waste and water



IN 2018/19 WE:



↓ **25%**
(since 2008/09)

Reduced carbon emissions by **25%** from our operations (since 2008/09)



40%

Prepared to tender for **40%** of Council's electricity to be sourced from solar or wind generation through a renewable energy purchasing Initiative

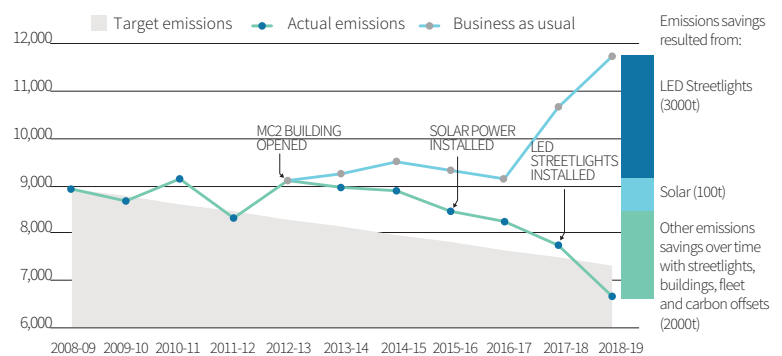


18 CARS

Added **18** hybrid cars to our fleet and improved fleet management system efficiency

- ✓ participated with eight other councils in the Northern Alliance for Greenhouse Action to collaborate on energy sustainability
- ✓ conducted an inventory of Manningham's emissions for the Global Compact of Mayors inventory program
- ✓ worked towards fostering more socially connected and sustainable neighbourhoods through the *Smart Technologies - Reinventing Neighbourhoods* project

10 YEARS OF ACTION - OUR EMISSIONS REDUCTION JOURNEY



IN 2019/20 WE WILL:

- prepare for a joint tender with 47 other councils for a renewable energy purchasing agreement to power 40% of Council's electricity use with solar or wind generation
- continue to rollout energy efficient LEDs streetlights
- install solar and battery systems at the Pines Learning & Activity Centre and Ajani Centre
- explore the feasibility of electric cars for our fleet
- investigate how we can use excess solar electricity to heat water at the Mullum Mullum Sports Stadium
- develop a new science-derived emissions reduction target for Council and the municipality now that our 2020 target has been met.



OUR CHALLENGES ARE:

We should continue to build our own capacity and expertise for the complex task of installing and operating solar systems on our buildings, and to prepare for the evolution of electric vehicles.

HOW TO GET INVOLVED:

- ✓ contact Australian Energy Foundation for free advice on how to reduce your energy use
- ✓ use Mullum Mullum Stadium knowing that it is powered by solar energy
- ✓ help prevent blackouts by joining United Energy's Peak Summer Saver Program

PROTECT OUR BIODIVERSITY



COUNCIL PLAN GOAL

- › Protect and enhance our environment and biodiversity
- › Reduce our environmental impact and adapt to climate change



COUNCIL PLAN ACTION

- › Foster community partnerships in protecting natural spaces, park, rivers and creeks
- › Support the protection of the green wedge and natural spaces
- › Sustainable management, monitoring and enhancement for the natural environment
- › Manage natural spaces to remove threats and revegetate



IN 2018/19 WE:



64 BUSHLAND RESERVES

Managed **64** bushland reserves with weed control, habitat enhancement, rabbit control and fire mitigation

MITIGATE FIRE RISK



Supported **18** private properties totalling **46** hectares to reduce woody weeds and mitigate fire risk in biologically significant areas



SUPPORTING EDUCATION

Supported **54** properties with education and LEAF funding (Local Environment Assistance Fund) to control environmental threats



432



Ran environmental seminars and field trips attended by **432** people



SUPPORTING & VOLUNTEERING

Supported **330** people contribute **6,200** volunteer hours across **32** Landcare and Friends Group activities



12 NATURE WALKS

Ran **12** nature walks attended by **173** people

90 INFORMED RESIDENTS



Provided information and advice to **90** residents on pests and weeds



IN 2019/20 WE WILL:

- › update Council on vegetation loss and develop mitigation measures
- › continue our deer control, monitoring and advocacy to the Victorian Government
- › continue programs and initiatives that support biodiversity.



OUR CHALLENGES ARE:

- › halting vegetation loss as urban development encroaches into natural areas. It is estimated there was a 3% net loss of vegetation across Manningham between 2009 and 2018, equating to about 370 hectares of loss, more than 200 footy ovals
- › managing the tension between bushfire management and biodiversity protection
- › managing the impact on biodiversity and community safety as a result of growing pest deer numbers.

HOW TO GET INVOLVED:

- ✓ get involved with a local Landcare and Environmental Friends group
- ✓ speak to us about how you can control environmental threats like environmental weeds, rabbits, foxes and deer on your property
- 📅 participate in a nature walk or environment seminar

- ✓ continued to deliver our Green Wedge Action Plan and the Bushland Management Strategy to control and monitor pest deer, protect biodiversity of bushland reserves and map vegetation loss
- ✓ advocated to the Victorian Government to declare deer as a pest, and deliver effective management strategies to reduce the deer population
- ✓ provided biodiversity impact advice to other areas of Council and on external projects like the Victorian Government's North East Link
- ✓ supported the biodiversity protection work of Landcare and Environmental Friends groups
- ✓ delivered community environment seminars and nature walks.

ADDRESS OUR WASTE



COUNCIL PLAN GOAL

- Reduce our environmental impact and adapt to climate change



COUNCIL PLAN ACTION

- Optimise the management of our energy, waste and water
- Demonstrate leadership in sustainable and innovative environmental practices



IN 2018/19 WE:



55%

Diverted **55%** of our waste from landfill, resulting in our lowest level of waste (19,600 tonnes) sent to landfill since 2001/02

1,788



Sold **1,788** composting products



RECYCLING WEEK TOUR

Ran a National Recycling Week tour attended by **50** residents

12

TONNES HAZARDOUS CHEMICALS



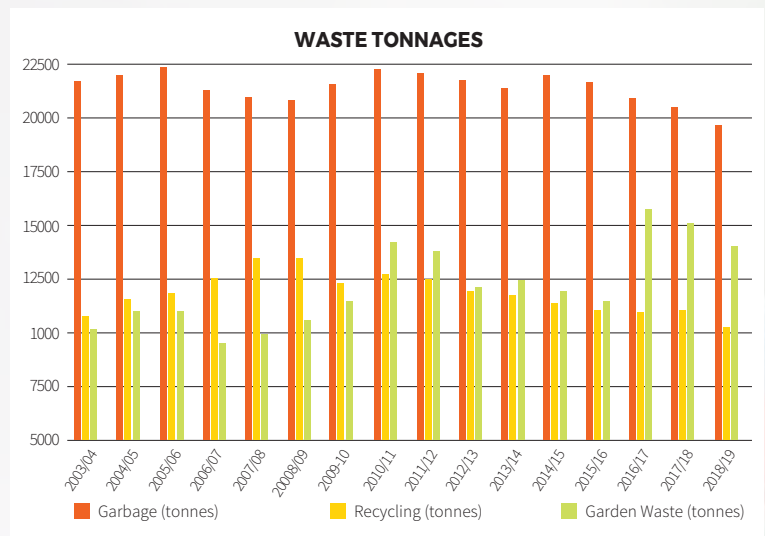
Collected **12** tonnes of hazardous chemicals surrendered by **670** residents participating in Detox Your Home



18 TONNES E-WASTE

Collected **18** tonnes e-waste collected and **6** tonnes of chemical waste surrendered by **900** residents on our Waste Drop Off Day

- ✓ ran community waste awareness and education programs to enhance understanding of household waste reduction, recycling and how to divert garden and food waste from landfill including. Initiatives included:
 - Compost Revolution program
 - National Recycling Week
 - Detox Your Home
 - Waste Drop Off Day
- ✓ collaborated with Victorian Government and other organisations to develop strategies to reduce waste sent to landfill.



IN 2019/20 WE WILL:

- continue our community awareness campaigns to divert more waste from landfill
- continue our education programs to support residents to reduce their household waste.



OUR CHALLENGES ARE:

- our municipal resource recovery efforts continue to be impacted by changes in the waste and recycling industry, such as electronic waste ban that came into effect this year.

HOW TO GET INVOLVED:

- ✓ purchase a composting product at a 60% discount through our Compost Revolution program
- 📅 drop your hazardous chemical or e-waste off on Detox Your Home and Waste Drop Off days

WORK WITH YOU



COUNCIL PLAN GOAL

➤ Reduce our environmental impact and adapt to climate change



COUNCIL PLAN ACTION

➤ Build community awareness and support of environmental issues

➤ Demonstrate leadership in sustainable and innovative environmental practices



IN 2018/19 WE:

800
TREES 

Ran National Tree Day events where **800** trees were planted by **250** people



36 OUTDOORS WORKSHOPS, SEMINARS & WALKS

Ran **36** Spring Outdoors workshops, seminars and walks attended by **340** people



15 VOLUNTEERS
WATERWATCH
PROGRAM

Supported **15** volunteers through our Waterwatch program to monitor our local water quality and get involved in stream rehabilitation programs



1121
SHARED STORIES

Ran seven Smarter Living seminars attended by **1121** people who heard sustainability experts share their stories



16 EVENTS

Ran **16** Waterwatch events attended by **193** people

640
STUDENTS 

Organised School Environment Education activities attended by **640** students from **11** schools

114 PEOPLE
CONTRIBUTED 

Supported **114** people to contribute to the Aussie Backyard Bird Count

18 SCHOOLS 

Ran our Lead to Sustain Conference to discuss waste, recycling, biodiversity and environmental leadership with **320** students from **18** schools



250 ATTENDED
PEOPLE

Ran solar information sessions attended by **250** people



400
PEOPLE

Ran a stargazing night attended by **400** people

- ✓ supported the Doncaster Hill Community Food Garden to run working bees, dance plants and workshops
- ✓ provided environmental policy advice and to:
 - LGPro Biodiversity Planners' Network
 - Northern Alliance for Greenhouse Action
 - Municipal Association of Victoria Environment Committee
 - Waterwatch State Steering Committee.



IN 2019/20 WE WILL:

➤ continue our community education programs to reduce environmental impact.



OUR CHALLENGES ARE:

➤ meeting the growing expectation for Manningham Council to take a lead in environmental sustainability and to help and guide the community with reducing their environmental impact.

HOW TO GET INVOLVED:

- ✓ get involved in our Waterwatch program
- ✓ get involved in the Doncaster Hill Community Food Garden
- ✓ get involved in the Nature Stewards program
- ✓ visit the Doncaster Hill Community Food Garden
-  plant a tree on National Tree Day
-  take part in our Aussie Backyard Bird Count
-  attend a Spring Outdoors environmental workshops, seminar or walk
-  attend our Smarter Living program

MANAGE OUR WATER



COUNCIL PLAN GOAL

- Reduce our environmental impact and adapt to climate change



COUNCIL PLAN ACTION

- Optimise the management of our energy, waste and water
- Demonstrate leadership in sustainable and innovative environmental practices



IN 2018/19 WE:



Reduced our irrigation use by two-thirds thanks to increased rainfall and humidity



Saved thousands of litres of water by better identifying faults at our sporting grounds through improved auditing standards.



Implemented an on-field irrigation program to unify spray heads to more evenly water our sporting fields and reduce water waste.



Relied on 100% tank water harvested from our depot and reserves to water our trees.



IN 2019/20 WE WILL:

- initiate live electronic monitoring of water meters and attach pressure sensors to systems. By tracking water consumption in real-time we will identify and address system issues immediately
- investigate new ways to harvest water through water sensitive urban design at our shopping centres and car parks.



OUR CHALLENGES ARE:

- our improved auditing has led to the better identification of issues that would have previously gone unidentified, but we still rely largely on the community's watchful eye to identify water wastage issues at our sporting grounds and facilities.

HOW TO GET INVOLVED:

- ✓ Help reduce water wastage by reporting any water issues you see on Council land
- 📞 03 9840 9333
- ✉ manningham@manningham.vic.gov.au
- 🌐 manningham.vic.gov.au
- 📱 Snap Send Solve app

GET INVOLVED

- › manningham.vic.gov.au/environment-and-sustainability
- › manningham.vic.gov.au/green-wedge
- › manningham.vic.gov.au/land-management-grants
- › manningham.vic.gov.au/pests-and-weeds
- › manningham.vic.gov.au/nature-walks
- › manningham.vic.gov.au/environment-seminars
- › manningham.vic.gov.au/protecting-our-waterways
- › manningham.vic.gov.au/landcare-and-indigenous-nurseries
- › manningham.vic.gov.au/spring-outdoors
- › manningham.vic.gov.au/Doncaster-hill-community-garden
- › manningham.vic.gov.au/smarter-living
- › manningham.vic.gov.au/nature-stewards
- › manningham.vic.gov.au/climate-and-energy
- › manningham.vic.gov.au/composting

Australian Energy Foundation – aef.com.au

Compost Revolution – compostrevolution.com.au

Friends of Warrandyte State Park – fowsp.org.au

Middle Yarra Landcare Network – landcarevic.org.au/groups/portphillipwesternport/myln

Municipal Association of Victoria – mav.asn.au

National Tree Day – treeday.planetark.org

Northern Alliance for Greenhouse Action – naga.org.au

United Energy Summer Saving Program – unitedenergy.com.au/sspblog

Waterwatch – vic.waterwatch.org.au

Manningham Council acknowledges the Wurundjeri – Woiwurrung people as the traditional custodians of the land and waterways we now know as Manningham. We pay our respects to Wurundjeri – Woiwurrung Elders past, present, and emerging and value their ongoing contribution to our community. We recognise and embrace the unique cultural heritage of Aboriginal and Torres Strait Islander peoples and the deep connection and Wurundjeri Woi-wurrung people have to Country.

Manningham Council

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Interpreter service **9840 9355**

普通话 | 廣東話 | Ελληνικά | Italiano | عربي | فارسی