

The Perth Air Quality Management Plan was released in December 2000. The Plan aims to ensure that clean air is achieved and maintained throughout the Perth metropolitan region to 2030 and beyond.

The short term and long term actions within the Perth AQMP address a variety of issues through eight key initiatives: Land Use and Transport Planning; Vehicle Emissions Management; Health Effects Research and Indoor Air Quality; Monitoring and Modelling; Industrial Emissions Management; Small to Medium Enterprise Emissions Management; Haze Reduction; and Smoke Management.

Some recent highlights include:

### BurnWise



The Department of Environment Regulation (DER)'s BurnWise program promotes responsible wood heater operation. BurnWise provides:

- support and tools for environmental health officers in local governments to reduce the impacts of wood smoke in their communities;
- a BurnWise Wood smoke management guide; and
- community education using the wood heater demonstration trailer.



#### Highlights 2013-14

- Developed the BurnWise Wood smoke management guide and delivered an introductory workshop to local government environmental health officers at the City of Busselton in July 2013.
- Constructed the BurnWise wood heater demonstration trailer which compares the amount of smoke produced by a wood heater compliant with current Australian standards with a non-compliant heater.

#### Highlights 2014-15

- Introduced the BurnWise Wood smoke management guide at the WA Environmental Health Association of Australia annual conference in August 2014.
- Published educational brochures on choosing and using wood heaters.
- Delivered BurnWise workshops on the Wood smoke management guide and use of the toolkits to local government environmental health officers in Bayswater, Mandurah and Armadale.
- The BurnWise wood heater demonstration trailer visited local government workshops and Perth and regional community markets.

### CleanRun



CleanRun is a DER program aimed at reducing vehicle emissions through:

- CleanRun EcoDrive – a behaviour change program for fleet managers and professional drivers;
- roadside vehicle emissions monitoring and free health checks of car emissions using the remote sensing device (RSD); and
- the Smoky Vehicle Reporting Program for community reporting of smoky vehicles.

#### Highlights 2013-14

- 510 smoky vehicles were reported using the new online Smoky Vehicle Reporting System and 152 of these owners reported repairing their vehicle.

#### Highlights 2014-15

- Provided free emissions checks on 186 vehicles using the RSD at Kings Park in March 2015. Motorists received feedback on how to improve performance and reduce vehicle emissions and had the opportunity to discuss their results with DER staff and RAC mechanics.
- The CleanRun emissions monitoring program was showcased on Channel Seven's Today Tonight in October 2014.
- Tested emissions from 17,000 vehicles using the RSD in Carlisle, Cottesloe, Sorrento, Wangara and Wembley in November 2014. Drivers received an instant roadside rating of good, fair or poor via a smart sign.
- 267 smoky vehicles were reported through the online Smoky Vehicle Reporting.



### RAC Electric Highway



A first in Australia, the RAC Electric Highway® is a RAC initiative, supported by local governments from Western Australia's south west, that:

- aims to reduce carbon dioxide emissions from cars and promote the growth of alternative vehicles;
- builds on an idea by a WA community-based committee and supports the RAC's sustainable mobility agenda; and
- will connect Perth with Western Australia's south west through a series of fast charging stations.



#### Highlights 2014-15

- Launched the RAC Electric Highway® in June 2015.
- Installed four fast charging and publicly accessible stations in Mandurah, Bunbury, Busselton and Margaret River.
- Partnered directly with nine local governments.
- Free charging of electric vehicles is available until the end of 2015.
- Announced the locations of future charging station locations as Augusta, Nannup, Bridgetown, Perth, Donnybrook, Dunsborough, Fremantle and Harvey.



### Your Move and TravelSmart



Your Move and TravelSmart are Department of Transport and Department of Sport and Recreation programs supported by the RAC and the Cities of Cockburn and Wanneroo. These programs encourage people to walk, cycle or use public transport rather than using their cars.

- Your Move is a combined active transport and physical activity behaviour-change project delivered direct to households.
- TravelSmart assists workplaces, schools, institutions and local governments to self-manage the promotion of sustainable transport options to their staff, customers and local communities.

#### Highlights 2013-14

- Piloted Your Move in the City of Cockburn—more than 10,000 households.
- Your Move participants each increased physical activity by an average of 10.5 minutes per day and reduced car trips by 5% (about 410,000 car trips per year).
- TravelSmart supported 33 workplaces develop and implement travel plans and 30 schools use alternative forms of transport.
- 40,000 participants took part in Walk Over October.



- 90,000 participants took part in Cycle Instead BikeWeek.
- 24,000 participants took part in National Ride2School Day.
- 10,000 participants took part in Cycle Instead in Spring.
- 1,000 participants cycled over 240,000km in the Bike to Work Challenge.

#### Highlights 2014-15

- 10,500 households participated in Your Move Wanneroo.
- TravelSmart supported 39 organisations and 4 clusters to implement and develop travel plans.
- 31 schools (more than 13,000 students) actively engaged in TravelSmart to Schools.

## About the Air Quality Coordinating Committee

The Air Quality Coordinating Committee (AQCC) is comprised of representatives from state government, industry, business and the community. Its role is to monitor the implementation of the [Perth Air Quality Management Plan](#) and review the progress towards achieving its aims.

### AQCC members

Membership as at 30 June 2015:

#### State Government

- Sarah McEvoy (Department of Environment Regulation)—Chairperson
- Jim Dodds (Department of Health)
- Brett Hughes (Department of Transport)
- Loretta van Gasselt (Department of Planning)
- Kishor Dabasia (Department of Commerce)

#### Community

- Professor Philip Jennings (Conservation Council of Western Australia)
- Dr Sue Graham-Taylor (Pollution Action Network)
- Martin Chape (Community Member)

#### Business and industry

- Rachel Lewis (Kwinana Industries Council)
- Dr Regina Flugge (Royal Automobile Club of WA)

The Air Quality Coordinating Committee met six times between July 2013 and June 2015.

### Contact the Air Quality Coordinating Committee

For more information please contact the Secretary:  
Phone: 6467 5057

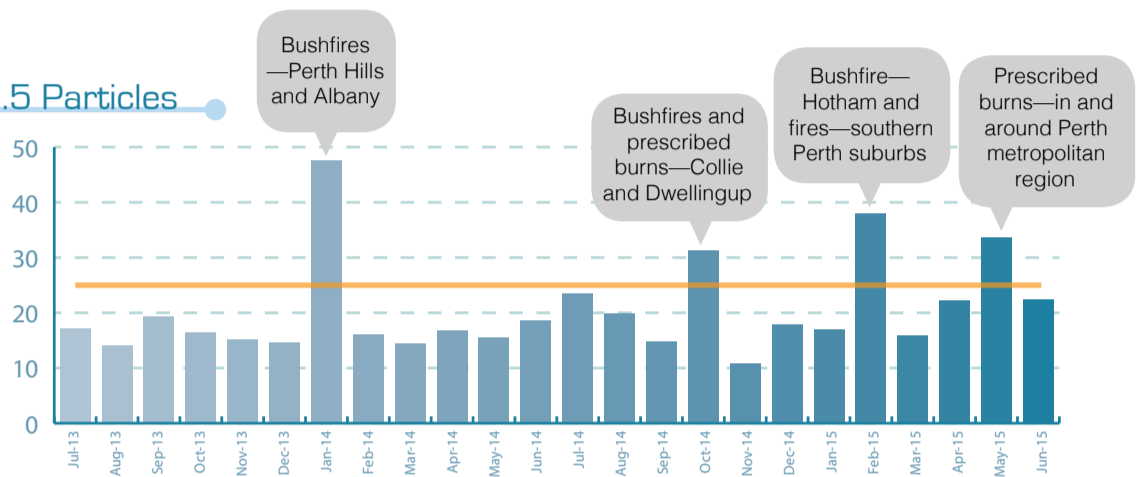
Email: [AQCCadmin@der.wa.gov.au](mailto:AQCCadmin@der.wa.gov.au)

or visit us at the [Air Quality Coordinating Committee, Department of Environment Regulation](#)

## Air pollutant trends 2013-15

The graphs below show the maximum levels for fine particle (PM2.5), coarse particles (PM10), ozone and nitrogen dioxide from 1 July 2013 to 30 June 2015 recorded at Perth monitoring stations (Caversham, South Lake, Duncraig, Rolling Green, Quinns Rocks, Rockingham and Wattleup). For comparison, the diameter of a human hair is seven times the diameter of the largest coarse particle (PM10). The high concentrations of particles were primarily due to natural dust, smoke haze, and local vehicle emissions. The precursors for ozone (an indicator of photochemical smog) are produced predominantly by motor vehicles and industry. Nitrogen dioxide in cities is predominantly from motor vehicles and contributes to the formation of photochemical smog.

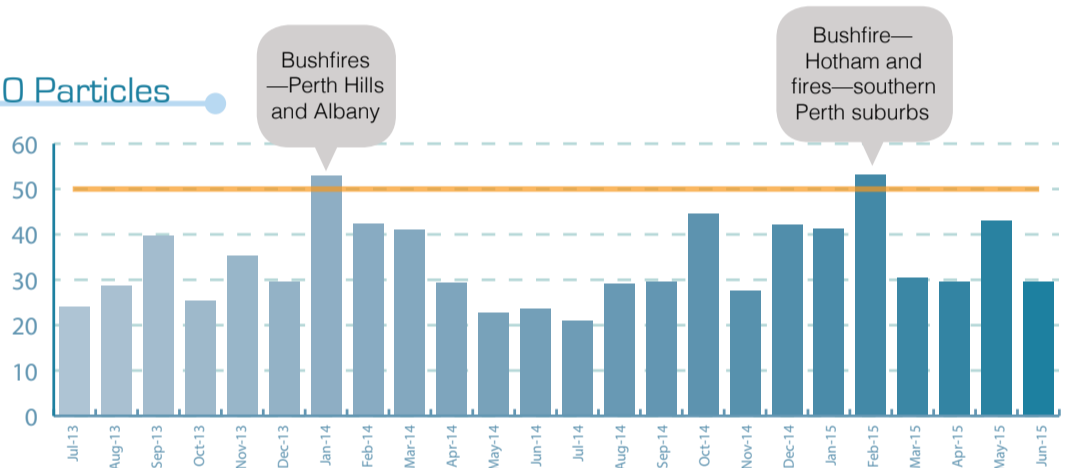
### PM2.5 Particles



Column graph = 24 hour averaged, Line graph = 24 hour advisory standard

Monthly maximum 24 hour averaged PM2.5 particles from 1 July 2013 to 30 June 2015.

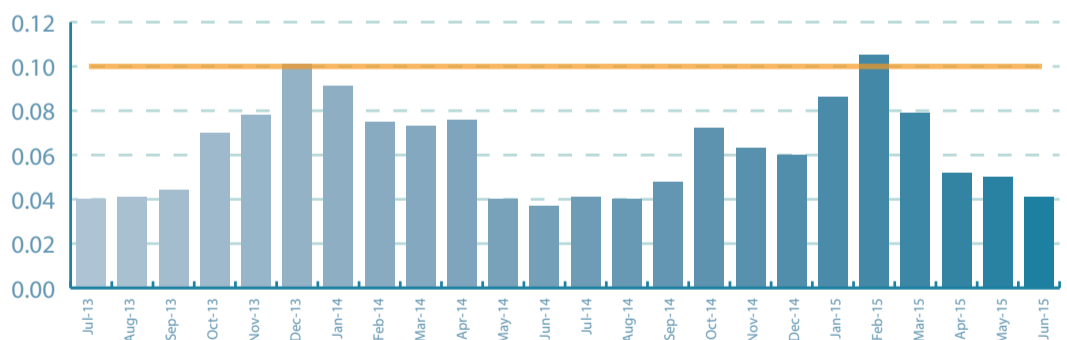
### PM10 Particles



Column graph = 24 hour averaged, Line graph = 24 hour standard

Monthly maximum 24 hour averaged PM10 particles from 1 July 2013 to 30 June 2015.

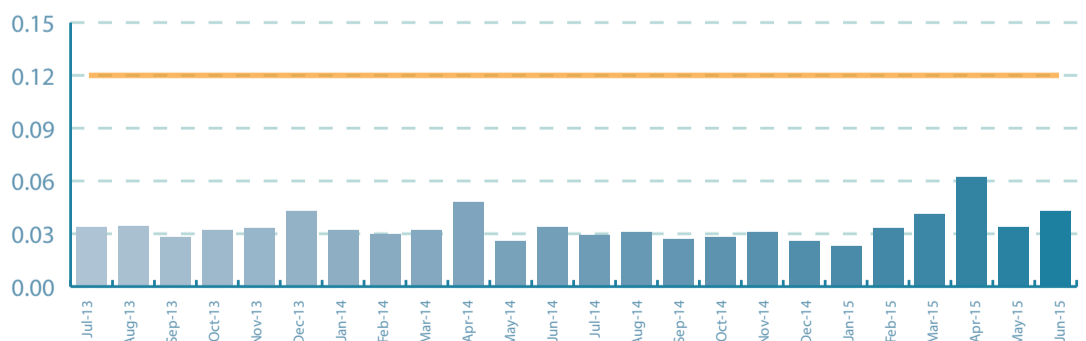
### Ozone



Column graph = 24 hour averaged, Line graph = 24 hour standard

Monthly maximum 1 hour averaged ozone from 1 July 2013 to 30 June 2015.

### Nitrogen dioxide



Column graph = 24 hour averaged, Line graph = 24 hour standard

Monthly maximum 1 hour averaged nitrogen dioxide from 1 July 2013 to 30 June 2015.

Further detail on air pollutant trends in Perth can be found in the [2014 WA Air Monitoring Report](#) which is available on DER's website. [An hourly update of air quality in WA](#) is also available on DER's website.