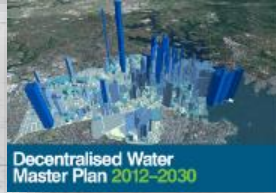
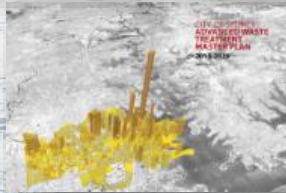
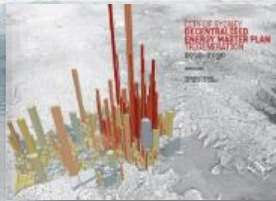
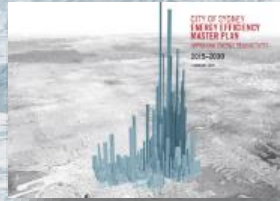


# Environmental Action 2016-2021

## Strategy and Action Plan



# Environmental Action 2016-2021 Strategy & Action Plan



## External Reference Group members

Property Council of Australia

NSW Office of Environment and Heritage

Sydney Water

NSW Department of Planning & Environment

Transport NSW

NSW Department of Industry

Green Building Council Australia

Energy Efficiency Council

Mirvac/Better Buildings Partnership

Facilities Management Australia

Jemena

Institute of Public Works Engineering Australia





# Low-carbon city



**Carbon neutral since 2007**  
**27% emissions reduction**  
**LED streetlights**  
**Efficiency & Renewables**



# Low-carbon city

The image is a collage of three photographs. The leftmost photo shows a close-up of a building facade with several large, rectangular solar panel arrays mounted on it. The middle photo shows a city street at night, with light trails from cars and illuminated buildings. The rightmost photo shows a tall, modern skyscraper with a curved facade, likely the Transamerica Pyramid, against a cloudy sky.

**19% emissions reduction**  
**45% reduction by BBP**  
**4,162kW solar PV**

# City operations

**70% reduction by 2030**

**44% reduction by 2021**

**50% renewable by 2021**

## Local Area

**70% reduction by 2030**

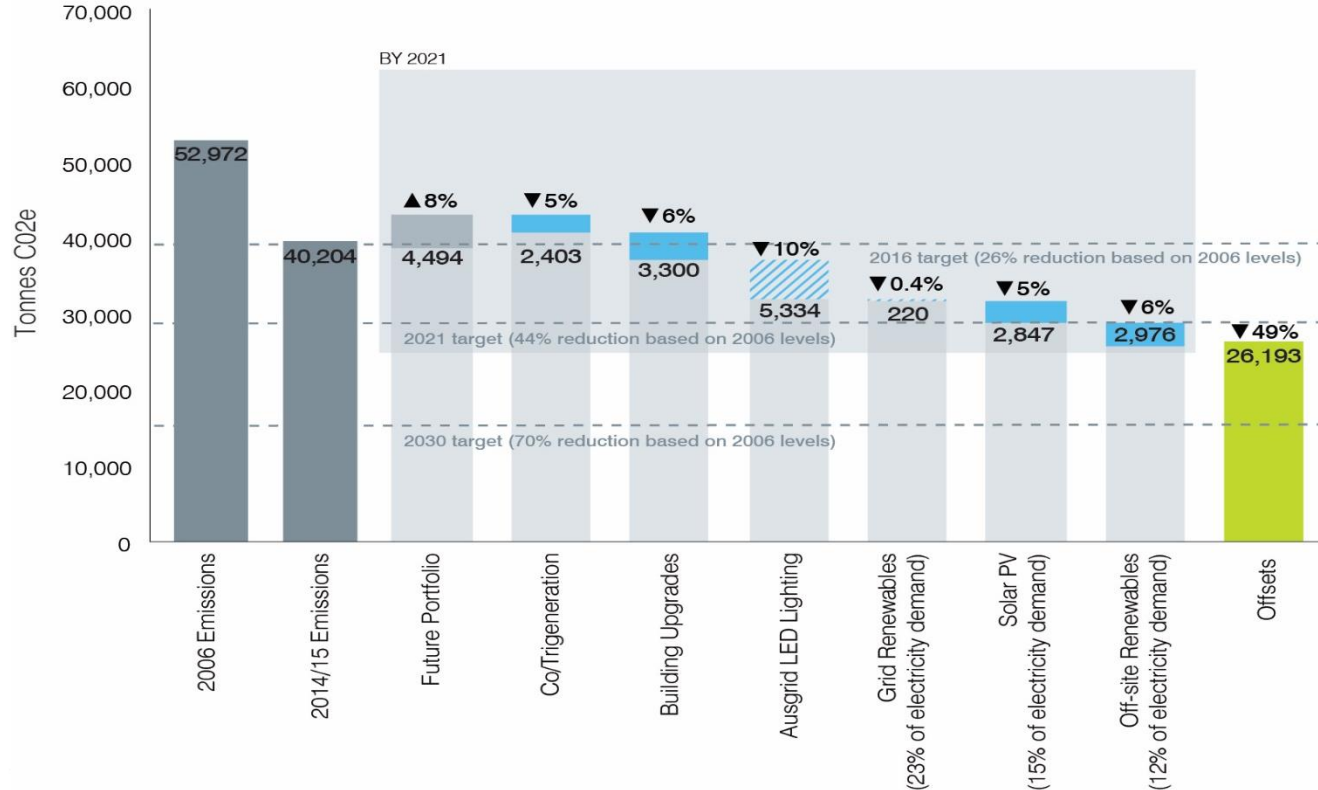
**Net zero by 2050**

**50% renewable by 2030**



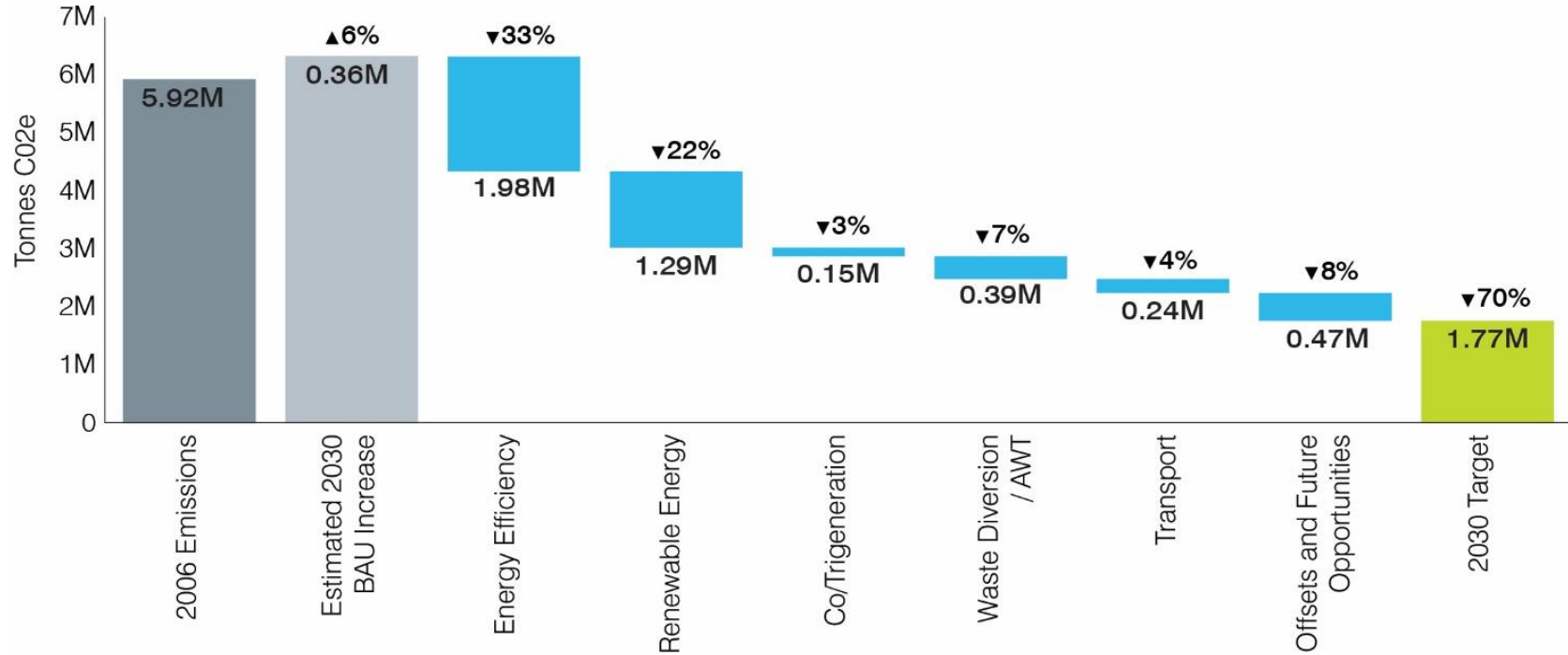
# Low-carbon city

## City operations 2021 targets & actions



# Low-carbon city

## LGA potential pathway to 2030



# Sustainability programs



**Net Zero  
Challenge**



**Renewables  
Campaign**



**Apartments  
retro-fit**

**City planning controls**





# Water sensitive city

**Met target of no increase  
Stormwater harvesting**



# Water sensitive city



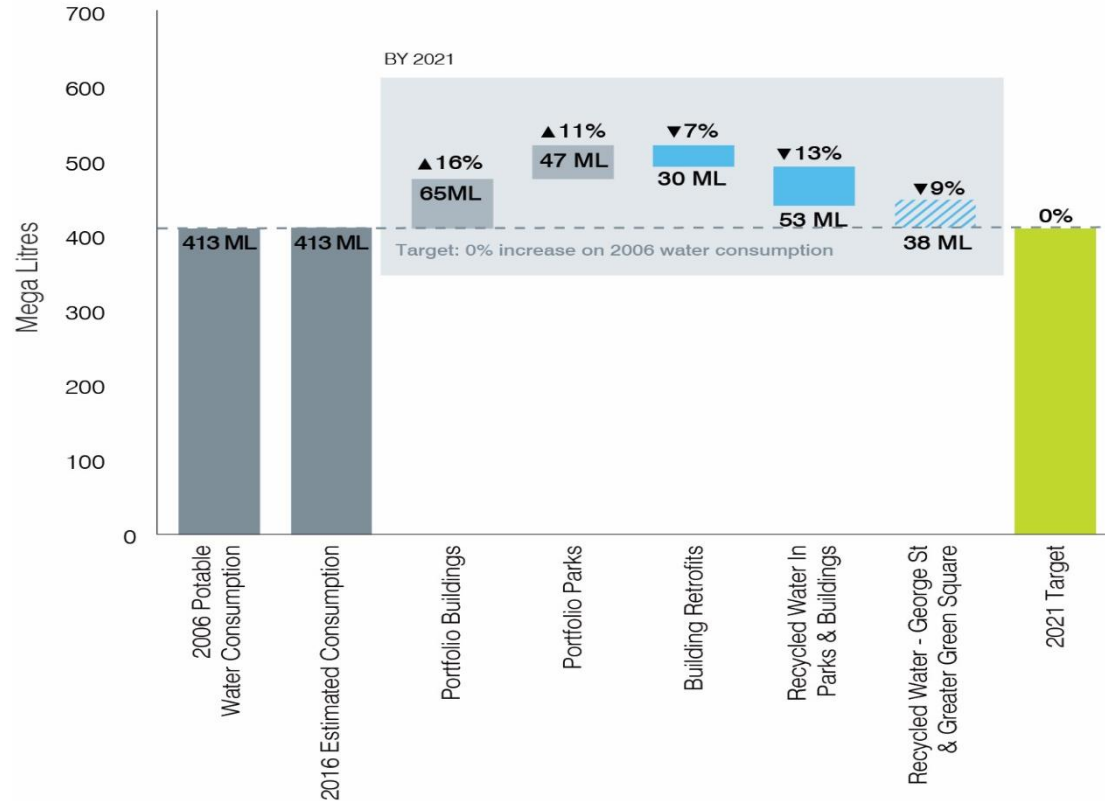
**No increase by 2030**

**620 Smart Green Businesses  
Better Buildings Partnership  
Green Square water reuse  
Precinct recycling**



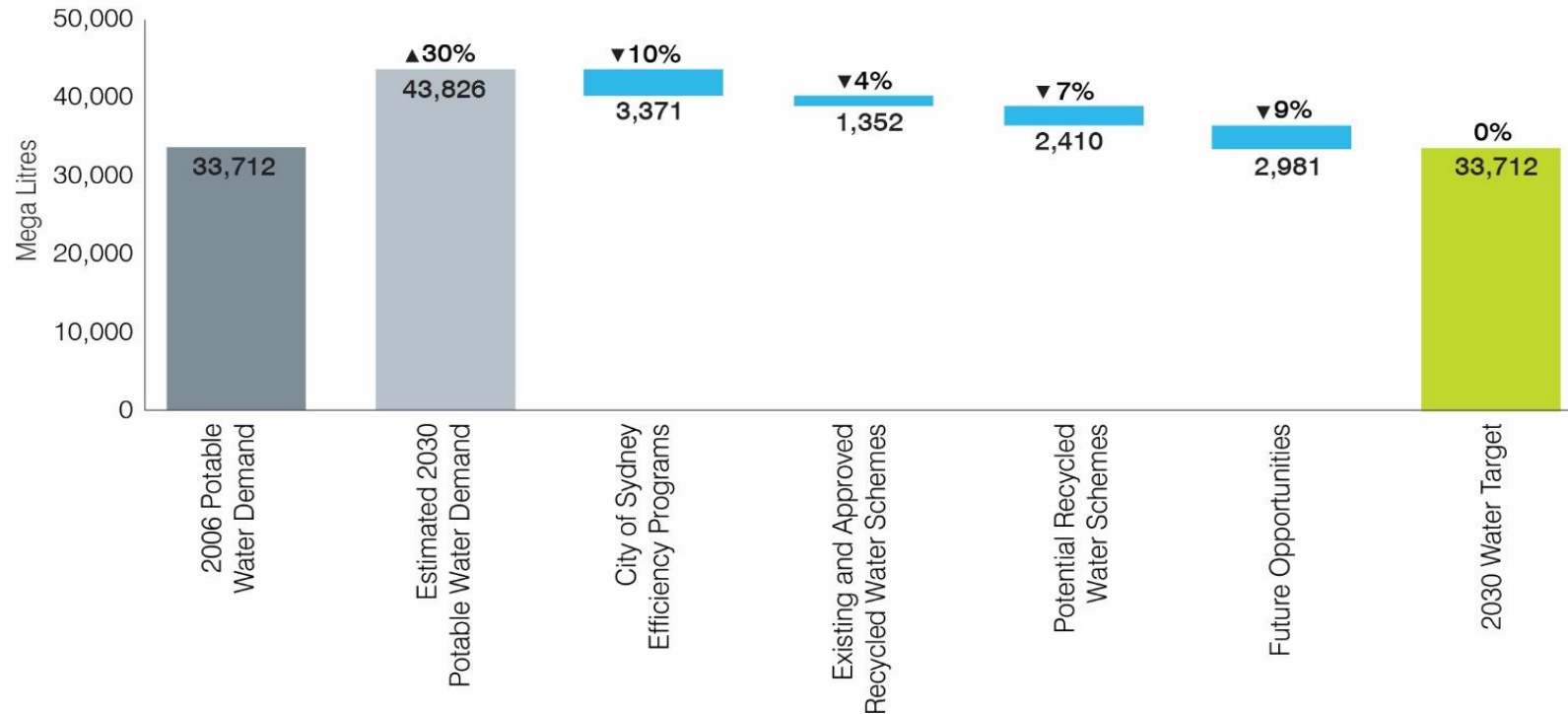
# Water sensitive city

## City operations 2021 targets and actions



# Water sensitive city

## LGA potential pathway to 2030

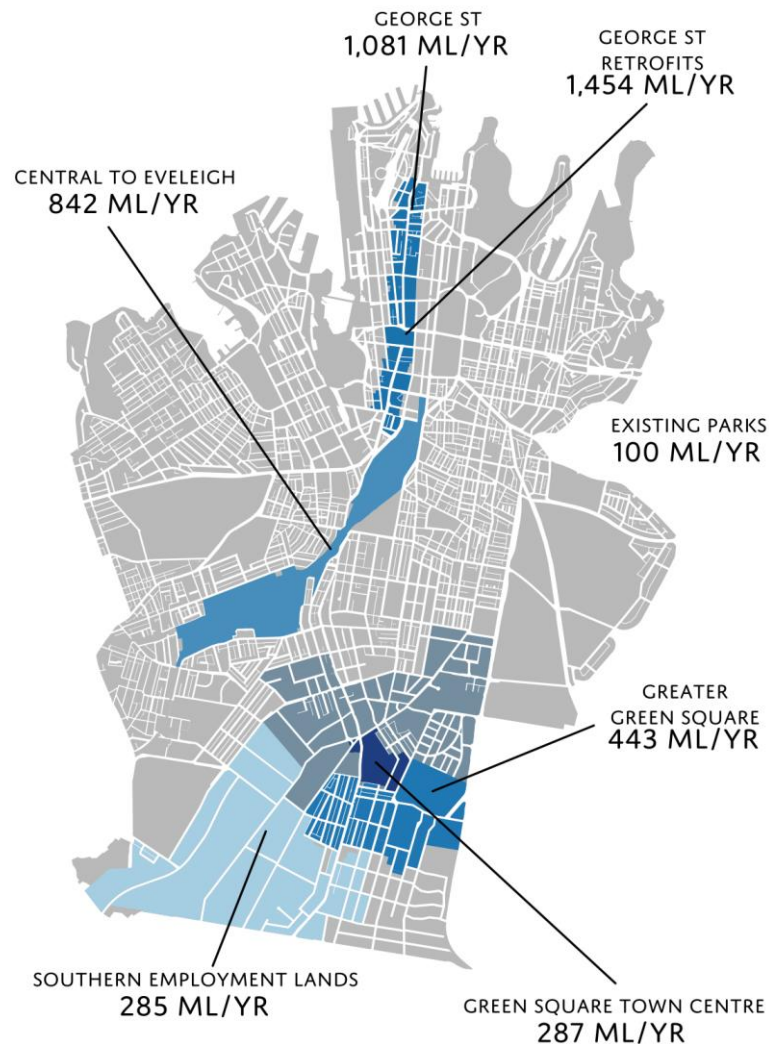
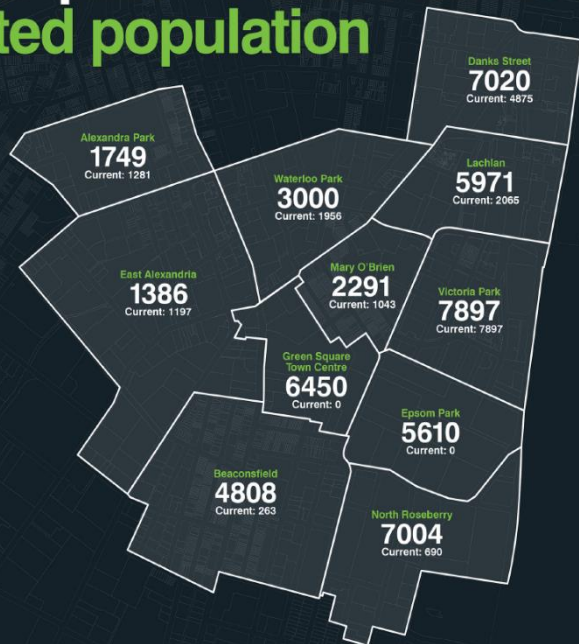




# Potential demand in urban renewal areas

## Green Square Urban Renewal Area Projected population

The projected population for the entire Green Square urban renewal area is 53,000 by 2030. This map shows the future residential population of each precinct in Green Square.





# Climate resilient city

**11,000 new street trees**  
**Green Square trunk drain**



# Climate resilient city



**Designing for the future**  
**Heat island mapping**  
**Advocacy for sea level rise**  
**policy and standards revision**

# Green and cool city



**100 parks since 2004**  
**154 raingardens**  
**11,000 street trees**

**Canopy 50%↑**

**130 green roofs and walls**  
**19 community gardens**





# Zero waste city



**69% residential waste recovery**  
**419T e-waste diverted**  
**Apartment bin room upgrades**



# City operations

**70% recovery from properties  
95% construction & demolition**

**Local Area**

**70% residential recovery  
70% commercial recovery**



# Active and connected city



**No increase in fleet emissions**  
**Staff active transport**





# Active and connected city

**12.5km cycleways**

**Light rail**

**30,000 car share members**

**Transport targets**  
**Increase cycling infrastructure**  
**Green Square light rail advocacy**





# Strategic advocacy

**BASIX**

**Apartments rating tool**

**Mandatory disclosure**

**Energy market reform**

**Ausgrid streetlights**

**Water pricing**

**Waste management land  
allocation**

**Urban renewal sustainability**





# Local action Global perspective