

Leave nothing to waste

Waste strategy and action plan 2017 – 2030



Agenda

2030 Vision

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Sydney data

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Strategy
targets

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Priority areas
and issues

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Where are
we today

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2030 vision for waste



**Zero
waste to
landfill**



**Promote
avoidance**



**Recycle as
much as
possible**



**Energy
recovery for
non-recyclables**



**Global
sustainability
leader**



City of Sydney

200,000 residents

1 million people daily

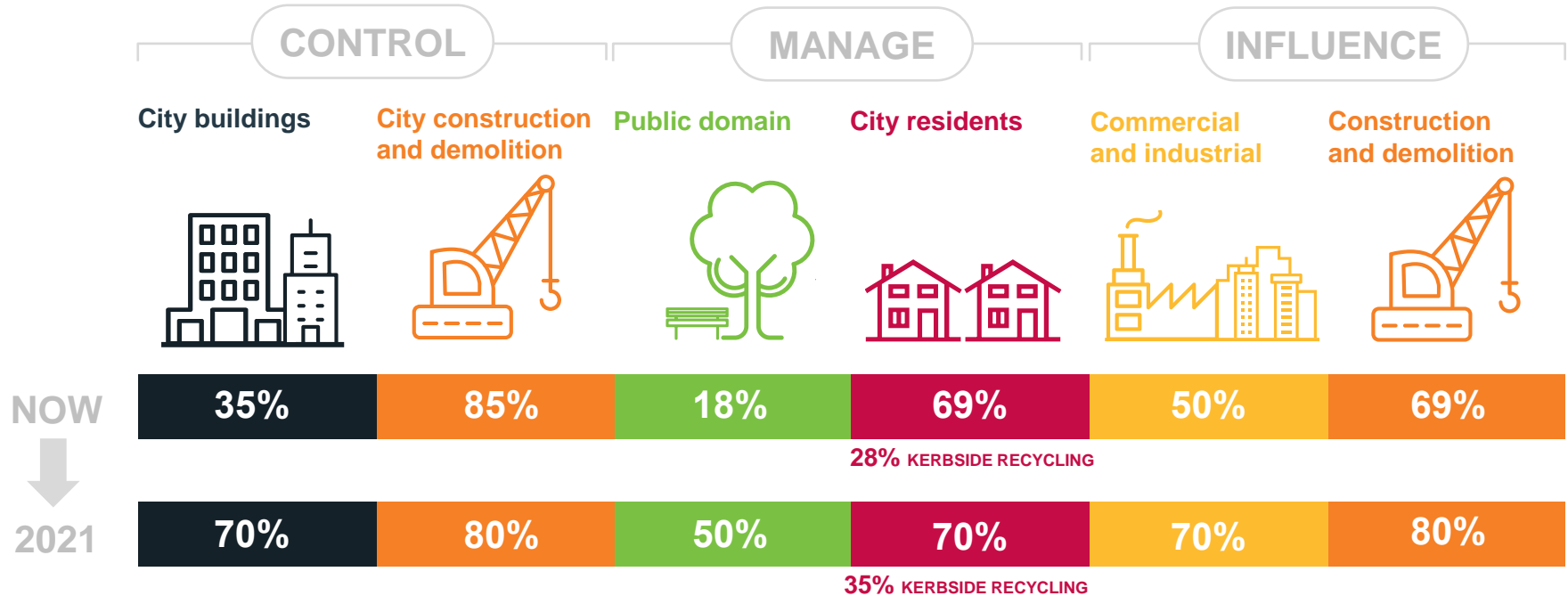
26 square km

20,000 businesses

Snapshot of waste in Sydney

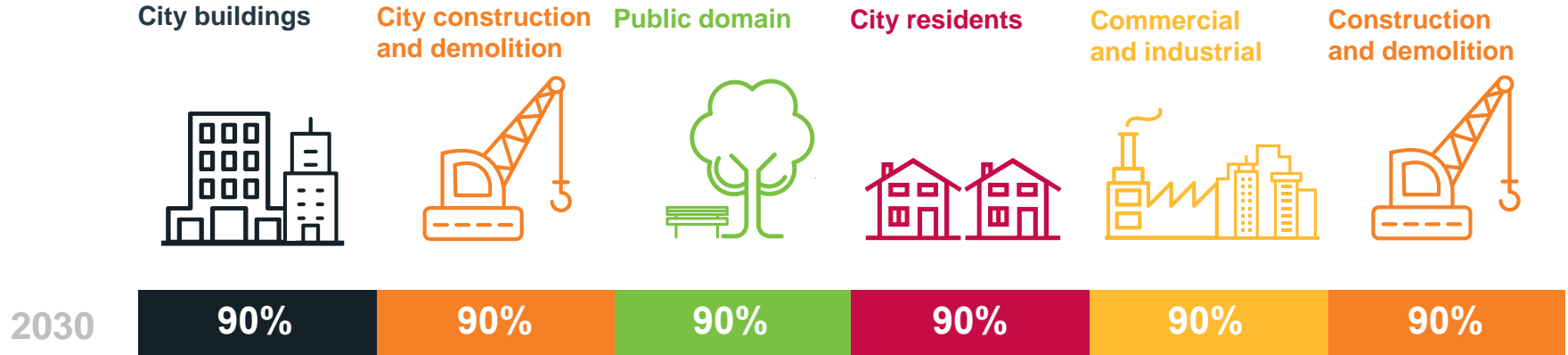
WASTE CLASSIFICATION	TOTAL EST. TONNES PRODUCED 2015/16	% OF TOTAL LGA CARBON EMISSIONS 2015/16
Municipal (public spaces, streets and parks)	11,000	<1%
Municipal (residential)	65,000	
Commercial and industrial	700,000	7%
Construction and demolition	1,300,000	1%

Now and 2021: Landfill diversion targets



2030

Landfill diversion target



- International benchmark for landfill diversion is 90%+

- Achieving the 2030 targets will rely on the availability of an operating waste to energy facility in NSW

Priority 1 - Avoiding Waste

PARTICIPATE IN SHARE ECONOMY



Peer to peer collaborative consumption in was estimated to be worth

\$1.5-3m

in NSW in 2015

TAKE-BACK SCHEMES



REDUCE DISPOSABLES



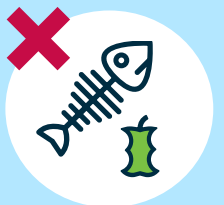
More than **25m** single use coffee cups are disposed of in the City of Sydney every year

Priority 2 – Improve Recycling Outcomes

CONTAMINATION OF RECYCLING BINS

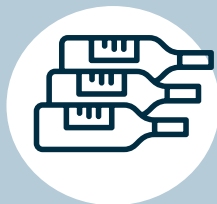


Plastic film and bags

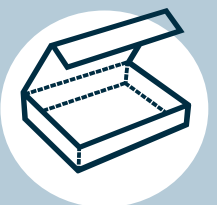


Food scraps

RECYCLING IN THE GARBAGE BIN



6% Glass drink containers



7.5% recyclable paper and cardboard
(excluding contaminated paper)

NEW STREAMS FOR RECYCLING



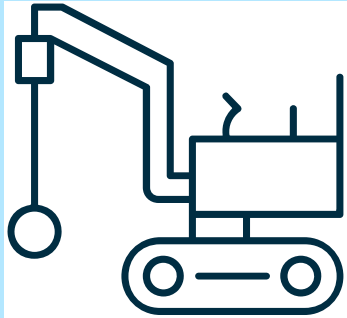
35% of general waste is food



5% of general waste is textiles

Priority 3 – Sustainable Design

CONSTRUCTION WASTE



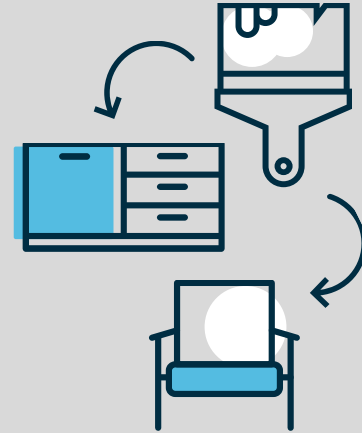
embodied energy
of a building is
over 30x
the annual operating energy

SPACE FOR REUSE & RECYCLING



more than **75%**
of our residents live in
multi-unit dwellings

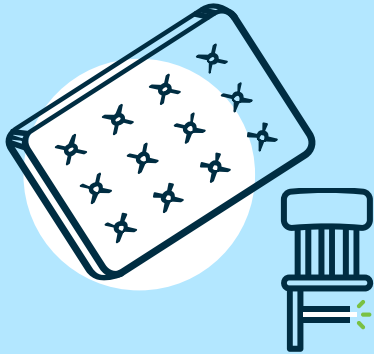
BUSINESS FITOUT WASTE



more than **65,000**
tonnes fit out waste per year

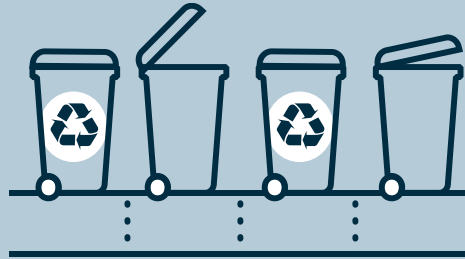
Priority 4 – Clean and clear streets

ILLEGAL DUMPING



The City manages up to
4,000 TONNES
of illegally dumped waste
every year

BINS ON FOOTPATH



Bins left on the footpath
cause obstruction, odour
and can attract vermin

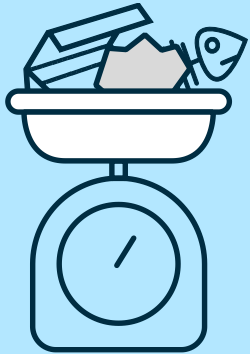
BUSINESS WASTE CONGESTION



Up to **35** commercial
waste companies operating
100 trucks most days in CBD

Priority 5 – Better data management

COMMERCIAL WASTE DATA



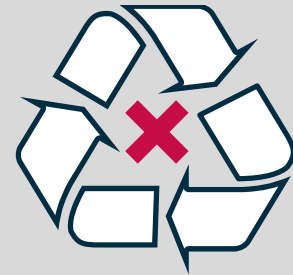
Commercial waste in City of Sydney estimated at **700,000** tonnes per year

WASTE TRACKING



No mandatory tracking of waste movements Australia

CONTAMINATION MANAGEMENT



14% of residential recycling collection is contaminated

Priority 6 – Future treatment solutions

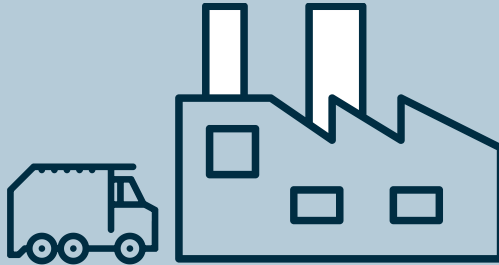
LANDFILL DIVERSION



79%

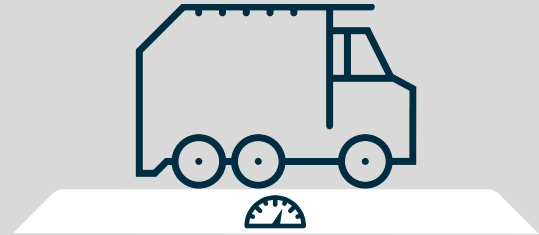
Maximum diversion from landfill achievable using all existing available technologies

EXISTING SOLUTIONS FOR RED BIN WASTE



Up to **45%** of waste sent to AWT is still disposed of in landfill

WASTE TRANSFER CAPACITY



9 closest waste transfer stations are owned by
2 commercial waste companies

Where are we today?

Operational
and office de-
fit guidelines



Developing
separate
collections
for food and
textiles



Engagement
with residents
to reduce
contamination



Container
deposit
launched
December 2017



Working with
our event
producers to
reduce single
use plastic



Designing
community
recycling
centre

Leave nothing to waste



Thank you