Reuse & the Circular Economy in the Built Environment

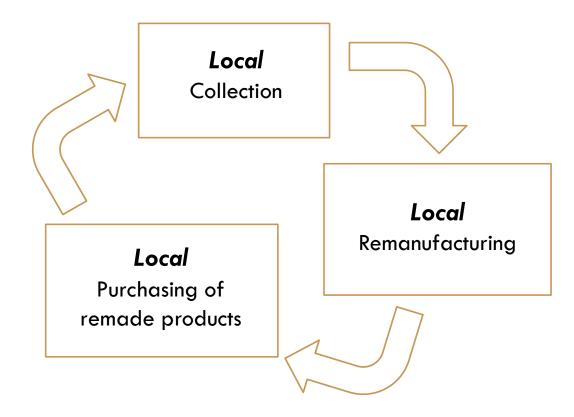
Austin Sustainable Building Materials Forum 6/30/17

CITY OF AUSTIN

ECONOMIC DEVELOPMENT DEPARTMENT AUSTIN RESOURCE RECOVERY



The mission of the Austin Recycling Economic Development Program is to attract, retain, and grow zero waste businesses and entrepreneurs in order to create local jobs and foster a resilient zero waste ecosystem in Central Texas.



A Joint Initiative of the Economic Development Department and Austin Resource Recovery

Austin's Prosperity Engine



Austin's Prosperity Engine

People

We build programs that create a better future for all Austinites.

Businesses

We help Austin's businesses and entrepreneurs reach their full potential.

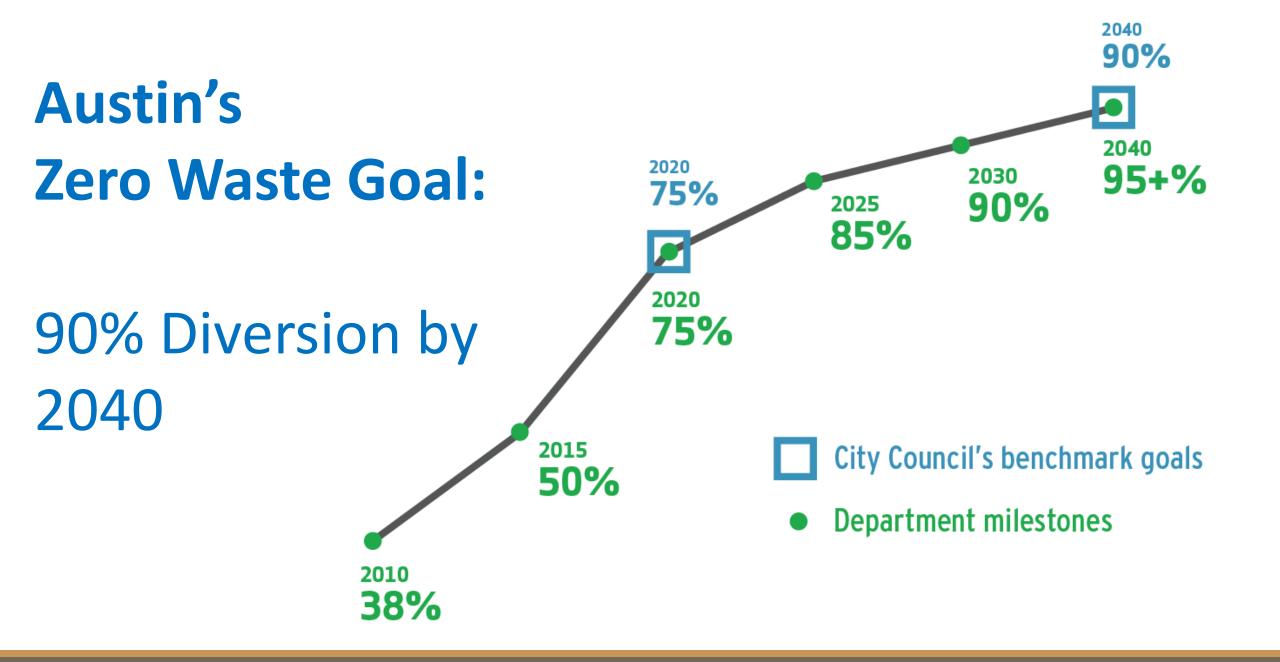
Communities

We enhance the livability and vitality of Austin's diverse local communities and neighborhoods.



Leading the Way to Zero Waste





Circular Economy

A circular economy is one that is **restorative** and **regenerative** by design, and which aims to keep products, components and materials at their **highest utility and value** at all times...

- Ellen MacArthur Foundation

Circular Economy & Sustainability

- Use existing resources efficiently
- Find new ways to create what we need from regenerative, rather than finite, resources
- Fully capture embodied energy





Economic Impact Study

Austin's Recycling and Reuse Industry Today:

- \$720 million economic impact
- 2,600 jobs
- Fall behind national average in recycling-related manufacturing

Austin's Recycling and Reuse Industry Potential:

- \$1 billion economic impact
- 4,200 jobs

- Design for deconstruction
- Design for adaptive reuse
- Repurposing old structures
- Reuse in design
- Recycled content building materials
- Construction and demolition debris recycling





Source: Fllen MacArthur Foundation

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Sources: Austin Business Journal, Boiler Nine, Austin Community College

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Source: Inhabitat

UNIVERSITY CO-OP MATERIALS RESOURCE CENTER

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Source: UTSOA Materials Lab

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City of Austin Resources

- Zero Waste Business Rebate: http://austintexas.gov/zwbizrebate
- Reuse & Recycling Enterprise Resource Guide: http://tinyurl.com/rrresourceguide
- Shop Zero Waste: http://austintexas.gov/shopzero
- Construction and Demolition Reuse & Recycling Facilities List (& Ordinance Information) at http://austintexas.gov/cd
- Austin Energy Green Building Program: http://greenbuilding.austinenergy.com/
- Austin Green Business Leaders: http://www.austintexas.gov/department/austin-green-business-leaders
- Austin Materials Marketplace: http://austinmaterialsmarketplace.org
- Free ReBlend Paint & mulch for non-profits: http://www.austintexas.gov/department/austin-reblend
- Recycle and Reuse Drop-Off Center: http://austintexas.gov/dropoff



Thank you!

Natalie Betts, Recycling Economic Development Liaison natalie.betts@austintexas.gov, 512-974-9235
City of Austin - Economic Development Department & Austin Resource Recovery