



Envision Charlotte founded in 2011

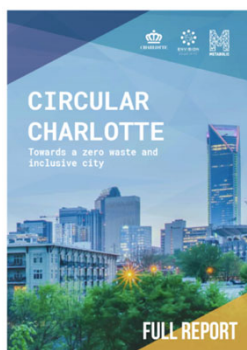
- 501c3
- Annual Budget \$600,000
- 75% funding from corporations
- 25% funding from grants
- 2.5 staff members



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INNOVATION
BARN



In 2018, Metabolic was hired create a short and long term strategy for our city's transition to the circular economy.

Short term focus areas:

Innovation Center
Plastics
Organics
Textiles
C&D

Opportunities

= 100,000-150,000 tons
of waste to landfill
prevented

+

Up to 450 jobs
created

+

\$6.4 Million
potential profit

+

CO2 emission
reduction up to
379,000ton/year

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GOALS FOR A CIRCULAR CHARLOTTE



Zero Waste City



Innovative City of the Future



Resilient and Healthy City



City with Opportunities for All

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IB DONATIONS

Donation Structure

- \$130,000 Lowes for improvements to the Barn
 - Exterior improvements – turf, lighting, furniture
 - Built out of mushroom garden
 - Interior improvements – paint (given to contractor), plastics lab/repair shop
 - WiFi connectivity
 - Soldier Fly built out
- \$50,000 Signify Lighting – entire building
- \$18,000 National Gypsum - drywall
- \$100,000 Electrolux – teaching kitchen
- \$20,000 – bathroom sinks
- \$20,000 – additional misc items ie sinks, hoods (from demo projects)

Office furniture – Wells Fargo \$20,000

Public use furniture – Alfred Williams \$40,800

Equipment

- \$20,000 Filament machine
- \$40,000 Weima shredder
- \$15,000 Baler
- \$3,000 Brick mold

18,000 sqft Renovated

18,000 sqft Storage only



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INNOVATIONS/IMPACT

Programs

- Take Out Food Containers (not curbside collected – Meck County doesn't process)
 - Multiple public collection sites including South End Farmers Market, Providence Day School, the Innovation Barn, Southminster, and The Cypress Retirement Communities
 - Providence Day Partnership – Collections and donated brick mold
 - 4+ tons take out plastic containers collected (current rate \$1/lb)
 - Enough material to construct 5 Tiny Homes
- PakTech - CIBA
 - 30 participating breweries
 - Over 200LBS collected
- Glass Collections - Innovation
 - 4+ tons collected (partnership with county)
 - Testing crushed glass as an aggregate in concrete
- PET/Aluminum Collection
 - 4+ tons of Aluminum
 - 1+ ton of PET
 - All sold to Coca Cola Consolidated processors – closed loop 200,000 bottles and cans
- Bubble Wrap/Air Pillows
 - 200+ lbs collected
- Clean the Queen –
 - week long litter clean up
 - 2 tons collected 25% recycled
 - Partnering with Keep Charlotte Beautiful/SWS for quarterly clean ups
- Coming – Styrofoam collection



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ENGAGEMENT

Engagement

- Over 1,000 tours (including several for people from outside the state and international groups)
- Over 7,000 visitors
- Over 2,000 Volunteer hours
- Shrooms and Shreds – immersive class with 100 Gardens/Mush to teach urban farming, sustainable cooking and composting
- Monthly Trash Talk – speaker series on Circular Economy topics over 150 attendees
- Monthly networking – Circle Up

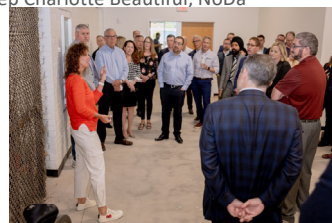
Barn Rentals

Media Training, Electrolux Showcase, CREW Luncheon, Corenet Holiday event, Sealed Air offsite, Women's Impact Fund, Giving Circle, Belmont land Use, Crave Event, The Sustainable Beer Event, CW+F, SMPS, Leadership Charlotte, CTIA, Private Groups

Company participation

Below is a list of some of the organizations we work with in a variety of ways ie programming, consultation and funders

Coca Cola Consolidated, Cisco, Charlotte Motor Speedway, Coca Cola Foundation, Crescent Resources, AWS, Maersk, Bank of America, Charlotte FC, Wells Fargo, Goodwill, Charlotte River Keepers, Weima, Sonoco, Keep Charlotte Beautiful, NoDa Brewing, Compass Group, ArtPop, Atrium, 3rd Rock Events, Electrolux, Lowes, Ally, PNC, Barings, McKinsey, KPMG, Arrival



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TENANTS

Tenants support the Circular Economy in a variety of ways. Their contribution back to the Barn is unique to each tenant and their circumstance. For-profits have a profit-sharing model, non-profits are programming partners and share in sponsorships.

Non-Profits

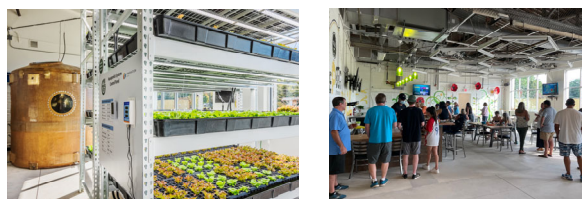
- *100 Gardens* – provides exciting and engaging learning opportunities by implementing aquaponics programs in schools, institutions, and communities in need.
- *The Bulb* - provide mostly local produce, as well as health and wellness education, to food insecure neighborhoods

For-Profits

- Crown Town Composting – in addition to traditional composting, piloting soldier fly
- Carolina Urban Lumber – managing wood waste in highest best use
- Chi Catering – on demand aeroponic farming for catering services
- Belovd (women/minority owned) – Chocolatier using sustainable ingredients
- MUSH! – urban mushroom farming (using CUL sawdust)
- RePour (women/minority owned) – beer/wine bar
- Coming – Adrina Farms – Urban farming

New Jobs Created

- Total from all current tenants – 7, Providence Day School - 1



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ADDITIONAL INFO

Awards:

USGBC – Community Change Agent
CoreNet – Community Impact Award
Barcelona Smart City – Finalist for community awards

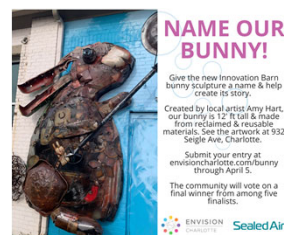


Media:

Over 50 stories on the Innovation Barn including an in depth story on PBS
And upcoming story on
American Innovators Release date July 13th

Supporting local artists:

4 Murals, additional one upcoming



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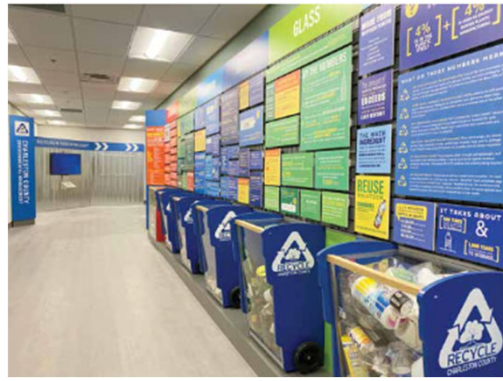
FUTURE PLANS

Current Space

18,000 Sqft Renovated
18,000 Sqft Storage Only

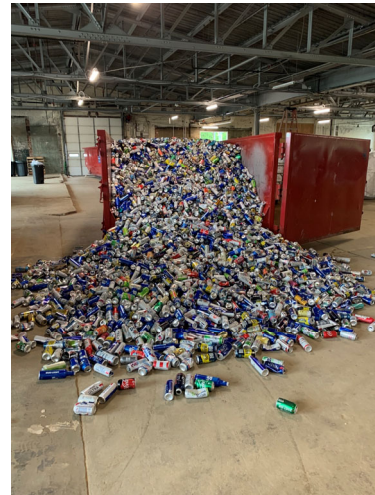
Education Center

Circular Economy
Materials
Products
Plastics
Glass
Organics
Agriculture
Sustainable Cooking
Jobs



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Thank you!
For more information
www.envisioncharlotte.com



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